N00164.AR.000843
NSWC CRANE
5090.3a

INTERIM MEASURES REPORT

Removal and Bioremediation of Contaminated Soil from Mine Fill B

Supplementary Binder #1
Appendix I: Windrow Recipes, Field Monitoring Results, and Day Zero and Day Last Sample Results Summary
Windrows 102 through 154

Full-Scale Bioremediation
NSWC Crane
Crane, Indiana

Revision 2

November 2003

Southern Division
Naval Facilities Engineering Command
North Charleston, South Carolina
29419-9010

TOLTEST, INC.

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # N-102 Day 0: 08/19/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5740	12.1	2480	5.275	11605	20.475	19825
2	3.1	5780	12.1	2450	5.275	11605	20.475	19835
3	3.1	5760	12.1	2470	5.275	11605	20.475	19835
4	3	5690	12.1	2430	5.275	11605	20.375	19725
5	3	5730	12.1	2490	5.275	11605	20.375	19825
6	3	5700	12.15	2610	5.275	11605	20.425	19915
7	3.1	5790	12.1	2470	5.275	11605	20.475	19865
8	3.1	5710	12	2410	5.275	11605	20.375	19725
9	3	5690	12.1	2420	5.275	11605	20.375	19715
10	3	5740	12	2340	5.275	11605	20.275	19685
11	3	5690	12	2420	5.275	11605	20.275	19715
12	3	5780	12.1	2520	5.275	11605	20.375	19905
13	3	5680	12.15	2610	5.275	11605	20.425	19895
14	3	5760	12.5	2770	5.275	11605	20.775	20135
15	3	5690	12	2360	5.275	11605	20.275	19655
16	3	5770	12	2490	5.275	11605	20.275	19865
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
Total	48.5	91700	193.6	39740	84.40	185680	326.5	317120

2058hr.

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # N Windrow # NO-102 PERFORMED BY: Howard

DATE: 8/19/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2480				
2	3.10	5780	12.10	2450				
3	3.10	5760	12.10	2470				
4	3	5680	12.10	2430				
5	3	5730	12.10	2490				
6	3	5700	12.15	2610				
7	3.10	5790	12.10	2470				
8	3.10	5710	12	2410				
9	3	5690	12.10	24.2				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # N Windrow # N102 PERFORMED BY: _____

DATE: 8/9/99 INSPECTED BY: Daz Hoff

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

TUB 1

Batch Number	CHICKEN MANURE Supplier: WV PRODUCE		STRAW Supplier: RAY STOUT		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5740	12.	2340				
2	3	5690	12	2420				
3	3	5780	12.10	2520				
4	3	5680	12.15	2610				
5	3	5760	12.50	2770				
6	3	5690	12.	2360				
7	3	5770	12	2490				
8								
9								
10								
11								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
102	8/19/99	8/19/99	0		37.75
		8/20/99	1	53.17	57.92
		8/21/99	2	68.83	60.75
		8/22/99	3	69.17	64.92
		8/23/99	4	66.67	67.00
		8/24/99	5	67.50	67.75
		8/25/99	6	69.50	68.50
		8/26/99	7	65.25	67.42
		8/27/99	8	65.17	57.92
		8/28/99	9	67.75	67.58
		8/29/99	10	69.75	70.08
		8/30/99	11	67.58	68.58
		8/31/99	12	68.75	68.42
		9/1/99	13	68.25	66.83
		9/2/99	14	68.75	67.67

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
N102	8/19/99	8/19/99	0		12.17
		8/20/99	1	8.92	9.75
		8/21/99	2	7.33	10.83
		8/22/99	3	7.83	12.17
		8/23/99	4	9.92	13.00
		8/24/99	5	14.08	9.25
		8/25/99	6	14.08	14.17
		8/26/99	7	3.58	10.25
		8/27/99	8	9.58	9.58
		8/28/99	9	12.17	10.83
		8/30/99	11	15.42	11.67
		8/31/99	12	8.75	5.58
		9/1/99	13	10.00	11.08
		9/2/99	14	11.33	9.00

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

ndrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
N102	8/19/99	8/19/99	0		57.25
		8/20/99	1		56.15
		8/24/99	5		30.20
		8/26/99	7		46.95
		8/30/99	11		32.65
		8/31/99	12		43.95
		9/1/99	13		58.80

All average MWHC values are expressed in percent

Windrow Number: N102 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
					Average Concentration for Cross Section 03 :			*53333*
135TNB	08/19/99	08/19/99	0	05	1		420 J	
					2	LT	1000	
					3		210 J	
					Average Concentration for Cross Section 05 :			*543*
					Average Concentration for Windrow on Day 0 :			*26938*
					Standard Deviation:			*40613*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*1000*
135TNB	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1000*
					Average Concentration for Windrow on Day 14 :			*1000*
					Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*484*
135TNB	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*469*
					Average Concentration for Windrow on Day 433 :			*476*
					Standard Deviation:			*15*

Percent Reduction of 135TNB: 98.23%

Windrow Number: N102 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
				Average Concentration for Cross Section 03 :				*53333*
13DNB	08/19/99	08/19/99	0	05	1	LT	10000	
					2	LT	1000	
					3	LT	10000	
				Average Concentration for Cross Section 05 :				*7000*
				Average Concentration for Windrow on Day 0 :				*30167*
				Standard Deviation:				*38317*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 03 :				*1000*
13DNB	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 05 :				*1000*
				Average Concentration for Windrow on Day 14 :				*1000*
				Standard Deviation:				*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
				Average Concentration for Cross Section 1 :				*484*
13DNB	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
				Average Concentration for Cross Section 2 :				*469*
				Average Concentration for Windrow on Day 433 :				*476*
				Standard Deviation:				*15*

Percent Reduction of 13DNB: 98.42%

Windrow Number: N102 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	08/19/99	08/19/99	0	03	1	2000 J	
					2	70000 J	
					3	34000 J	
					Average Concentration for Cross Section 03 :		*35333*
246TNT	08/19/99	08/19/99	0	05	1	3200 J	
					2	56 J	
					3	8700 J	
					Average Concentration for Cross Section 05 :		*3985*
					Average Concentration for Windrow on Day 0 :		*19659*
					Standard Deviation:		*27666*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	08/19/99	09/02/99	14	03	1	LT 1000	
					2	LT 1000	
					3	LT 1000	
					Average Concentration for Cross Section 03 :		*1000*
246TNT	08/19/99	09/02/99	14	05	1	LT 1000	
					2	124 J	
					3	LT 1000	
					Average Concentration for Cross Section 05 :		*708*
					Average Concentration for Windrow on Day 14 :		*854*
					Standard Deviation:		*358*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	08/19/99	10/25/00	433	1	1	LT 476	
					3	68.4 J	
					5	LT 476	
					Average Concentration for Cross Section 1 :		*340*
246TNT	08/19/99	10/25/00	433	2	1	LT 476	
					3	LT 476	
					5	LT 454	
					Average Concentration for Cross Section 2 :		*469*
					Average Concentration for Windrow on Day 433 :		*404*
					Standard Deviation:		*165*

Percent Reduction of 246TNT: 97.94%

Windrow Number: N102 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
					Average Concentration for Cross Section 03 :			*53333*
24DNT	08/19/99	08/19/99	0	05	1	LT	10000	
					2	LT	1000	
					3	LT	10000	
					Average Concentration for Cross Section 05 :			*7000*
					Average Concentration for Windrow on Day 0 :			*30167*
					Standard Deviation:			*38317*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*1000*
24DNT	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1000*
					Average Concentration for Windrow on Day 14 :			*1000*
					Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*484*
24DNT	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*469*
					Average Concentration for Windrow on Day 433 :			*476*
					Standard Deviation:			*15*

Percent Reduction of 24DNT: 98.42%

Windrow Number: N102 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
					Average Concentration for Cross Section 03 :			*53333*
26DNT	08/19/99	08/19/99	0	05	1	LT	10000	
					2	LT	1000	
					3	LT	10000	
					Average Concentration for Cross Section 05 :			*7000*
					Average Concentration for Windrow on Day 0 :			*30167*
					Standard Deviation:			*38317*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*1000*
26DNT	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1000*
					Average Concentration for Windrow on Day 14 :			*1000*
					Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*484*
26DNT	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*469*
					Average Concentration for Windrow on Day 433 :			*476*
					Standard Deviation:			*15*

Percent Reduction of 26DNT: 98.42%

Windrow Number: N102 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
					Average Concentration for Cross Section 03 :			*53333*
2A46DT	08/19/99	08/19/99	0	05	1		1500 J	
					2	LT	1000	
					3		860 J	
					Average Concentration for Cross Section 05 :			*1120*
					Average Concentration for Windrow on Day 0 :			*27227*
					Standard Deviation:			*40389*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*1000*
2A46DT	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1000*
					Average Concentration for Windrow on Day 14 :			*1000*
					Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*484*
2A46DT	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*469*
					Average Concentration for Windrow on Day 433 :			*476*
					Standard Deviation:			*15*

Percent Reduction of 2A46DT: 98.25%

Windrow Number: N102 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
					Average Concentration for Cross Section 03 :			*53333*
2NT	08/19/99	08/19/99	0	05	1	LT	10000	
					2	LT	1000	
					3	LT	10000	
					Average Concentration for Cross Section 05 :			*7000*
					Average Concentration for Windrow on Day 0 :			*30167*
					Standard Deviation:			*38317*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*1000*
2NT	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1000*
					Average Concentration for Windrow on Day 14 :			*1000*
					Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*484*
2NT	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*469*
					Average Concentration for Windrow on Day 433 :			*476*
					Standard Deviation:			*15*

Percent Reduction of 2NT: 98.42%

Windrow Number: N102 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
					Average Concentration for Cross Section 03 :			*53333*
3NT	08/19/99	08/19/99	0	05	1	LT	10000	
					2	LT	1000	
					3	LT	10000	
					Average Concentration for Cross Section 05 :			*7000*
					Average Concentration for Windrow on Day 0 :			*30167*
					Standard Deviation:			*38317*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*1000*
3NT	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1000*
					Average Concentration for Windrow on Day 14 :			*1000*
					Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*484*
3NT	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*469*
					Average Concentration for Windrow on Day 433 :			*476*
					Standard Deviation:			*15*

Percent Reduction of 3NT: 98.42%

Windrow Number: N102 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
					Average Concentration for Cross Section 03 :			*53333*
4A26DT	08/19/99	08/19/99	0	05	1	LT	10000	
					2	LT	1000	
					3		2700 J	
					Average Concentration for Cross Section 05 :			*4567*

Average Concentration for Windrow on Day 0 : 28950

Standard Deviation: 39191

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*1000*
4A26DT	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1000*

Average Concentration for Windrow on Day 14 : 1000

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*484*
4A26DT	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*469*

Average Concentration for Windrow on Day 433 : 476

Standard Deviation: 15

Percent Reduction of 4A26DT: 98.35%

Windrow Number: N102 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
					Average Concentration for Cross Section 03 :			*53333*
4NT	08/19/99	08/19/99	0	05	1	LT	10000	
					2	LT	1000	
					3	LT	10000	
					Average Concentration for Cross Section 05 :			*7000*
					Average Concentration for Windrow on Day 0 :			*30167*
					Standard Deviation:			*38317*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*1000*
4NT	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1000*
					Average Concentration for Windrow on Day 14 :			*1000*
					Standard Deviation:			*0*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*484*
4NT	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*469*
					Average Concentration for Windrow on Day 433 :			*476*
					Standard Deviation:			*15*

Percent Reduction of 4NT: 98.42%

Windrow Number: N102 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	08/19/99	08/19/99	0	03	1	5600 J	
					2	120000	
					3	17000 J	
					Average Concentration for Cross Section 03 :		*47533*
HMX	08/19/99	08/19/99	0	05	1	5700 J	
					2	230 J	
					3	11000	
					Average Concentration for Cross Section 05 :		*5643*
					Average Concentration for Windrow on Day 0 :		*26588*
					Standard Deviation:		*46113*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	08/19/99	09/02/99	14	03	1	3040	
					2	2340	
					3	3380	
					Average Concentration for Cross Section 03 :		*2920*
HMX	08/19/99	09/02/99	14	05	1	2690	
					2	2840	
					3	2890	
					Average Concentration for Cross Section 05 :		*2807*
					Average Concentration for Windrow on Day 14 :		*2863*
					Standard Deviation:		*347*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	08/19/99	10/25/00	433	1	1	1190	
					3	620	
					5	952	
					Average Concentration for Cross Section 1 :		*921*
HMX	08/19/99	10/25/00	433	2	1	159 J	
					3	1060	
					5	LT 454	
					Average Concentration for Cross Section 2 :		*558*
					Average Concentration for Windrow on Day 433 :		*739*
					Standard Deviation:		*396*

Percent Reduction of HMX: 97.22%

Windrow Number: N102 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
					Average Concentration for Cross Section 03 :			*53333*
NB	08/19/99	08/19/99	0	05	1	LT	10000	
					2	LT	1000	
					3	LT	10000	
					Average Concentration for Cross Section 05 :			*7000*

Average Concentration for Windrow on Day 0 : 30167

Standard Deviation: 38317

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*1000*
NB	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1000*

Average Concentration for Windrow on Day 14 : 1000

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*484*
NB	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*469*

Average Concentration for Windrow on Day 433 : 476

Standard Deviation: 15

Percent Reduction of NB: 98.42%

Windrow Number: N102 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	08/19/99	08/19/99	0	03	1	72000	
					2	1100000	
					3	200000	
					Average Concentration for Cross Section 03 :		*457333*
RDX	08/19/99	08/19/99	0	05	1	34000	
					2	2800	
					3	140000	
					Average Concentration for Cross Section 05 :		*58933*
					Average Concentration for Windrow on Day 0 :		*258133*
					Standard Deviation:		*418605*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	08/19/99	09/02/99	14	03	1	16900	
					2	11900	
					3	6810	
					Average Concentration for Cross Section 03 :		*11870*
RDX	08/19/99	09/02/99	14	05	1	11500	
					2	30600	
					3	11900	
					Average Concentration for Cross Section 05 :		*18000*
					Average Concentration for Windrow on Day 14 :		*14935*
					Standard Deviation:		*8313*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	08/19/99	10/25/00	433	1	1	1440	
					3	1720	
					5	4400	
					Average Concentration for Cross Section 1 :		*2520*
RDX	08/19/99	10/25/00	433	2	1	143 J	
					3	3390	
					5	LT 454	
					Average Concentration for Cross Section 2 :		*1329*
					Average Concentration for Windrow on Day 433 :		*1925*
					Standard Deviation:		*1667*

Percent Reduction of RDX: 99.25%

Windrow Number: N102 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	08/19/99	08/19/99	0	03	1	LT	10000	
					2	LT	100000	
					3	LT	50000	
				Average Concentration for Cross Section 03 :				*53333*
TETRYL	08/19/99	08/19/99	0	05	1	LT	10000	
					2	LT	1000	
					3	LT	10000	
				Average Concentration for Cross Section 05 :				*7000*
				Average Concentration for Windrow on Day 0 :				*30167*
				Standard Deviation:				*38317*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	08/19/99	09/02/99	14	03	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 03 :				*1000*
TETRYL	08/19/99	09/02/99	14	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 05 :				*1000*
				Average Concentration for Windrow on Day 14 :				*1000*
				Standard Deviation:				*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	08/19/99	10/25/00	433	1	1	LT	476	
					3	LT	500	
					5	LT	476	
				Average Concentration for Cross Section 1 :				*484*
TETRYL	08/19/99	10/25/00	433	2	1	LT	476	
					3	LT	476	
					5	LT	454	
				Average Concentration for Cross Section 2 :				*469*
				Average Concentration for Windrow on Day 433 :				*476*
				Standard Deviation:				*15*

Percent Reduction of TETRYL: 98.42%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-103 Day 0: 08/23/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5760	12.1	2580	5.275	11605	20.475	19945
2	3.15	5820	12.15	2860	5.275	11605	20.575	20285
3	3.1	5790	12.1	2520	5.275	11605	20.475	19915
4	3.1	5740	12	2410	5.275	11605	20.375	19755
5	3.15	5850	12.15	2830	5.275	11605	20.575	20285
6	3.15	5890	12.1	2440	5.275	11605	20.525	19935
7	3.1	5780	11.75	2360	5.275	11605	20.125	19745
8	3.1	5740	12.1	2490	5.275	11605	20.475	19835
9	3.1	5770	12.1	2530	5.275	11605	20.475	19905
10	3	5710	12.1	2510	5.275	11605	20.375	19825
11	3.15	5840	12.1	2550	5.275	11605	20.525	19995
12	3.1	5790	12.15	2810	5.275	11605	20.525	20205
13	3.15	5820	12.1	2440	5.275	11605	20.525	19865
14	3.15	5870	12.15	2580	5.275	11605	20.575	20055
15	3.1	5730	12	2420	5.275	11605	20.375	19755
16	3.1	5780	12.1	2480	5.275	11605	20.475	19865
17	3.1	5830	12.1	2530	5.275	11605	20.475	19965
18	3.2	5910	12.5	2810	5.275	11605	20.975	20325
19	3.5	5990	12.5	2860	5.275	11605	21.275	20455
20	3	5680	12.4	2770	5.275	11605	20.675	20055
21	3	5760	12	2480	5.275	11605	20.275	19845
22	3.4	5910	12.4	2680	5.275	11605	21.075	20195
23	3	5730	12	2410	5.275	11605	20.275	19745
24	3	5780	12	2380	5.275	11605	20.275	19765
25	3.4	5890	12.3	2510	5.275	11605	20.975	20005
26	3	5710	12.3	2580	5.275	11605	20.575	19895
27	3.5	5930	12.4	2630	5.275	11605	21.175	20165
28	3.8	6060	12	2420	5.275	11605	21.075	20085
29	3.4	5900	12.3	2590	5.275	11605	20.975	20095
30	3	5690	12	2430	5.275	11605	20.275	19725
31	3	5730	12	2490	5.275	11605	20.275	19825
32	3.4	5820	12.4	2640	5.275	11605	21.075	20065
33	3	5770	12.25	2510	5.275	11605	20.525	19885
34	3.3	5800	12	2380	5.275	11605	20.575	19785
35	3	5700	12.45	2490	5.275	11605	20.725	19795
36	3.18	6040	12.15	2430	5.275	11605	20.605	20075
37	3.08	5860	11.4	2280	5.275	11605	19.755	19745
38	3.18	6040	11.55	2310	5.275	11605	20.005	19955
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	120.24	221210	460.65	96420	211.00	464200	791.89	781830

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 103 PERFORMED BY: Daykoff

DATE: 8/23/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: 200 PRODUCE		STRAW Supplier: R & S TOUT		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5730	12	2410				
2	3	5780	12	2380				
3	3.4	5890	12.30	2510				
4	3	5710	12.30	2580				
5	3.5	5930	12.40	2650				
6	3.8	6060	12.	2420				
7	3.4	5900	12.50	2590				
8	3	5690	12	2430				
9	3	5730	12	2490				
10	3.4	5820	12.40	2640				
11	3.	5770	12.25	2510				
12	3.3	5800	12.	2380				
13	3.0	5700	12.45	2490				
14	3.18	6040	12.15	2430				
15	3.08	5860	11.40	2280				
16	3.18	6040	11.55	2310				
Total								

Comments:

2068 m
John Deere
FIT

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 103 PERFORMED BY: Howard

DATE: 8 12 3199 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5760	12.10	2580				
2	3.15	5820	12.15	2860				
3	3.10	5790	12.10	2520				
4	3.10	5740	12	2410				
5	3.15	5850	12.15	2830				
6	3.15	5890	12.10	2440				
7	3.10	5780	11.75	2360				
8	3.10	5740	12.10	2490				
9	3.10	5770	12.10	2530				
10	3	5710	12.10	2510				
11	3.15	5840	12.10	2550				
12	3.10	5790	12.15	2810				
13	3.15	5820	12.10	2440				
14	3.15	5870	12.15	2580				
15	3.10	5730	12	2420				
16	3.10	5780	12.10	2480				
17	3.10	5830	12.10	2530				
18	3.20	5910	12.50	2810				
~~19~~								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5103 PERFORMED BY: _____

DATE: 8 18 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

P12
TUB 2

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
19	3.5	5990	12.5	2860 ~~2860~~				
20	3.	5680	12.40	2770				
21	3	5760	12	2430				
22	3.4	5910	12.40	2680				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
6103	8/23/99	8/23/99	0		43.40
		8/24/99	1	55.70	56.57
		8/25/99	2	61.97	60.23
		8/26/99	3	62.87	62.13
		8/27/99	4	66.33	61.07
		8/28/99	5	66.87	67.43
		8/29/99	6	67.53	67.87
		8/30/99	7	67.93	67.97
		8/31/99	8	69.27	68.77
		9/1/99	9	68.57	66.63
		9/2/99	10	67.90	67.97
		9/3/99	11	68.53	64.00

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S103	8/23/99	8/23/99	0		14.13
		8/24/99	1	3.80	7.67
		8/25/99	2	6.20	7.23
		8/26/99	3	4.77	5.77
		8/27/99	4	6.73	10.87
		8/28/99	5	12.63	10.37
		8/30/99	7	7.40	13.50
		8/31/99	8	11.40	11.53
		9/1/99	9	9.63	10.63
		9/2/99	10	9.43	10.30
		9/3/99	11	5.20	7.97

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S103	8/23/99	8/24/99	1		37.02
		8/26/99	3		49.56
		8/28/99	5		48.54
		8/31/99	8		40.92
		9/1/99	9		50.88
		9/3/99	11		36.50

All average MWHC values are expressed in percent

Windrow Number: S103 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
135TNB	08/23/99	08/23/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
135TNB	08/23/99	08/23/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
135TNB	08/23/99	08/23/99	0	07	1	LT	1
					2	LT	1
					3	LT	2
				Average Concentration for Cross Section 07 :			*1*
135TNB	08/23/99	08/23/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
135TNB	08/23/99	08/23/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
135TNB	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
135TNB	08/23/99	09/07/99	15	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
135TNB	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
135TNB	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
135TNB	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 15 : ***1***

Standard Deviation: ***0***

Percent Reduction of 135TNB: 6.25%

Windrow Number: S103 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
13DNB	08/23/99	08/23/99	0	03	1	LT	1
					2	LT	2
					3	LT	2
					Average Concentration for Cross Section 03 :		*2*
13DNB	08/23/99	08/23/99	0	05	1	LT	1
					2	LT	5
					3	LT	2.5
					Average Concentration for Cross Section 05 :		*3*
13DNB	08/23/99	08/23/99	0	07	1	LT	2.5
					2	LT	7
					3	LT	1.5
					Average Concentration for Cross Section 07 :		*4*
13DNB	08/23/99	08/23/99	0	09	1	LT	1
					2	LT	4
					3	LT	2
					Average Concentration for Cross Section 09 :		*2*
13DNB	08/23/99	08/23/99	0	11	1	LT	1.5
					2	LT	2
					3	LT	2.5
					Average Concentration for Cross Section 11 :		*2*

Average Concentration for Windrow on Day 0 : ***3***

Standard Deviation: ***2***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
13DNB	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
13DNB	08/23/99	09/07/99	15	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
13DNB	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
13DNB	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
13DNB	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*

Average Concentration for Windrow on Day 15 : ***1***

Standard Deviation: ***0***

Percent Reduction of 13DNB: 60.00%

Windrow Number: S103 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
246TNT	08/23/99	08/23/99	0	03	1	8.3	
					2	43.6	
					3	32.1	
					Average Concentration for Cross Section 03 :		*28*
246TNT	08/23/99	08/23/99	0	05	1	13.4	
					2	1.45	
					3	42.1	
					Average Concentration for Cross Section 05 :		*19*
246TNT	08/23/99	08/23/99	0	07	1	16.6	
					2	6.68	
					3	52.7	
					Average Concentration for Cross Section 07 :		*25*
246TNT	08/23/99	08/23/99	0	09	1	45.9	
					2	32.3	
					3	38.6	
					Average Concentration for Cross Section 09 :		*39*
246TNT	08/23/99	08/23/99	0	11	1	31.4	
					2	41.3	
					3	42.9	
					Average Concentration for Cross Section 11 :		*39*
					Average Concentration for Windrow on Day 0 :		***30***
					Standard Deviation:		***16***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
246TNT	08/23/99	09/07/99	15	03	1	0.296 J	
					2	LT 1	
					3	3.19	
					Average Concentration for Cross Section 03 :		*1*
246TNT	08/23/99	09/07/99	15	05	1	0.114 J	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 05 :		*1*
246TNT	08/23/99	09/07/99	15	07	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 07 :		*1*
246TNT	08/23/99	09/07/99	15	09	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 09 :		*1*
246TNT	08/23/99	09/07/99	15	11	1	LT 1	
					2	LT 1	
					3	0.169 J	
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 15 :		***1***
					Standard Deviation:		***1***

Percent Reduction of 246TNT: 96.71%

Windrow Number: S103 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	08/23/99	08/23/99	0	03	1	LT	2.5
					2	LT	2.5
					3	LT	2.5
				Average Concentration for Cross Section 03 :			*3*
24DNT	08/23/99	08/23/99	0	05	1	LT	2.5
					2	LT	5
					3	LT	2.5
				Average Concentration for Cross Section 05 :			*3*
24DNT	08/23/99	08/23/99	0	07	1	LT	2.5
					2	LT	10
					3	LT	2.5
				Average Concentration for Cross Section 07 :			*5*
24DNT	08/23/99	08/23/99	0	09	1	LT	2.5
					2	LT	2
					3	LT	2.5
				Average Concentration for Cross Section 09 :			*2*
24DNT	08/23/99	08/23/99	0	11	1	LT	2.5
					2	LT	2.5
					3	LT	2.5
				Average Concentration for Cross Section 11 :			*3*
				Average Concentration for Windrow on Day 0 :			***3***
						Standard Deviation:	***2***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
24DNT	08/23/99	09/07/99	15	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
24DNT	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
24DNT	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
24DNT	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 15 :			***1***
						Standard Deviation:	***0***

Percent Reduction of 24DNT: 68.09%

Windrow Number: S103 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
26DNT	08/23/99	08/23/99	0	03	1	LT	2.5
					2	LT	2.5
					3	LT	2.5
					Average Concentration for Cross Section 03 :		*3*
26DNT	08/23/99	08/23/99	0	05	1	LT	2.5
					2	LT	5
					3	LT	2.5
					Average Concentration for Cross Section 05 :		*3*
26DNT	08/23/99	08/23/99	0	07	1	LT	2.5
					2	LT	10
					3	LT	2.5
					Average Concentration for Cross Section 07 :		*5*
26DNT	08/23/99	08/23/99	0	09	1	LT	2.5
					2	LT	2
					3	LT	2.5
					Average Concentration for Cross Section 09 :		*2*
26DNT	08/23/99	08/23/99	0	11	1	LT	2.5
					2	LT	2.5
					3	LT	2.5
					Average Concentration for Cross Section 11 :		*3*
					Average Concentration for Windrow on Day 0 :		***3***
					Standard Deviation:		***2***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
26DNT	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
26DNT	08/23/99	09/07/99	15	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
26DNT	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
26DNT	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
26DNT	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 15 :		***1***
					Standard Deviation:		***0***

Percent Reduction of 26DNT: 68.09%

Windrow Number: S103 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2A46DT	08/23/99	08/23/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2A46DT	08/23/99	08/23/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2A46DT	08/23/99	08/23/99	0	07	1	LT	1
					2	LT	1
					3	LT	2
				Average Concentration for Cross Section 07 :			*1*
2A46DT	08/23/99	08/23/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2A46DT	08/23/99	08/23/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2A46DT	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2A46DT	08/23/99	09/07/99	15	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2A46DT	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2A46DT	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2A46DT	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 15 : ***1***

Standard Deviation: ***0***

Percent Reduction of 2A46DT: 6.25%

Windrow Number: S103 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2NT	08/23/99	08/23/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2NT	08/23/99	08/23/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2NT	08/23/99	08/23/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2NT	08/23/99	08/23/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2NT	08/23/99	08/23/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2NT	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2NT	08/23/99	09/07/99	15	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2NT	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2NT	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2NT	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 15 : ***1***

Standard Deviation: ***0***

Percent Reduction of 2NT: 0.00%

Windrow Number: S103 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
3NT	08/23/99	08/23/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
3NT	08/23/99	08/23/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
3NT	08/23/99	08/23/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
3NT	08/23/99	08/23/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
3NT	08/23/99	08/23/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 0 :		***1***
					Standard Deviation:		***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
3NT	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
3NT	08/23/99	09/07/99	15	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
3NT	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
3NT	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
3NT	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 15 :		***1***
					Standard Deviation:		***0***

Percent Reduction of 3NT: 0.00%

Windrow Number: S103 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4A26DT	08/23/99	08/23/99	0	03	1	LT	1
					2	LT	2.5
					3	LT	2.5
				Average Concentration for Cross Section 03 :			*2*
4A26DT	08/23/99	08/23/99	0	05	1	LT	1
					2	LT	1
					3	LT	10
				Average Concentration for Cross Section 05 :			*4*
4A26DT	08/23/99	08/23/99	0	07	1	LT	2
					2	LT	1
					3	LT	2
				Average Concentration for Cross Section 07 :			*2*
4A26DT	08/23/99	08/23/99	0	09	1	LT	2
					2	LT	1.5
					3	LT	1
				Average Concentration for Cross Section 09 :			*2*
4A26DT	08/23/99	08/23/99	0	11	1	LT	1
					2	LT	1
					3	LT	2.5
				Average Concentration for Cross Section 11 :			*2*

Average Concentration for Windrow on Day 0 : ***2***

Standard Deviation: ***2***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4A26DT	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
4A26DT	08/23/99	09/07/99	15	05	1	0.103 J	
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
4A26DT	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
4A26DT	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
4A26DT	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 15 : ***1***

Standard Deviation: ***0***

Percent Reduction of 4A26DT: 55.93%

Windrow Number: S103 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4NT	08/23/99	08/23/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
4NT	08/23/99	08/23/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
4NT	08/23/99	08/23/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
4NT	08/23/99	08/23/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
4NT	08/23/99	08/23/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4NT	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
4NT	08/23/99	09/07/99	15	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
4NT	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
4NT	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
4NT	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 15 : ***1***

Standard Deviation: ***0***

Percent Reduction of 4NT: 0.00%

Windrow Number: S103 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
HMX	08/23/99	08/23/99	0	03	1	38.3	
					2	118	
					3	72.9	
					Average Concentration for Cross Section 03 :		*76*
HMX	08/23/99	08/23/99	0	05	1	39	
					2	3.71	
					3	83.3	
					Average Concentration for Cross Section 05 :		*42*
HMX	08/23/99	08/23/99	0	07	1	42.9	
					2	9.2	
					3	122	
					Average Concentration for Cross Section 07 :		*58*
HMX	08/23/99	08/23/99	0	09	1	118	
					2	101	
					3	118	
					Average Concentration for Cross Section 09 :		*112*
HMX	08/23/99	08/23/99	0	11	1	90.4	
					2	125	
					3	86.1	
					Average Concentration for Cross Section 11 :		*101*

Average Concentration for Windrow on Day 0 : 78

Standard Deviation: 42

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
HMX	08/23/99	09/07/99	15	03	1	1.03	
					2	12.1	
					3	1.64	
					Average Concentration for Cross Section 03 :		*5*
HMX	08/23/99	09/07/99	15	05	1	13.1	
					2	3.01	
					3	0.274 J	
					Average Concentration for Cross Section 05 :		*5*
HMX	08/23/99	09/07/99	15	07	1	0.191 J	
					2	3.06	
					3	0.751 J	
					Average Concentration for Cross Section 07 :		*1*
HMX	08/23/99	09/07/99	15	09	1	1.63	
					2	0.104 J	
					3	3.72	
					Average Concentration for Cross Section 09 :		*2*
HMX	08/23/99	09/07/99	15	11	1	0.776 J	
					2	0.356 J	
					3	6.69	
					Average Concentration for Cross Section 11 :		*3*

Average Concentration for Windrow on Day 15 : 3

Standard Deviation: 4

Percent Reduction of HMX: 95.85%

Windrow Number: S103 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
NB	08/23/99	08/23/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
NB	08/23/99	08/23/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
NB	08/23/99	08/23/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
NB	08/23/99	08/23/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
NB	08/23/99	08/23/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
NB	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
NB	08/23/99	09/07/99	15	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
NB	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
NB	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
NB	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*

Average Concentration for Windrow on Day 15 : ***1***

Standard Deviation: ***0***

Percent Reduction of NB: 0.00%

Windrow Number: S103 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
RDX	08/23/99	08/23/99	0	03	1	308	
					2	1300	
					3	775	
					Average Concentration for Cross Section 03 :		*794*
RDX	08/23/99	08/23/99	0	05	1	470	
					2	42.3	
					3	1010	
					Average Concentration for Cross Section 05 :		*507*
RDX	08/23/99	08/23/99	0	07	1	469	
					2	128	
					3	1260	
					Average Concentration for Cross Section 07 :		*619*
RDX	08/23/99	08/23/99	0	09	1	1360	
					2	1020	
					3	1200	
					Average Concentration for Cross Section 09 :		*1193*
RDX	08/23/99	08/23/99	0	11	1	916	
					2	1220	
					3	970	
					Average Concentration for Cross Section 11 :		*1035*

Average Concentration for Windrow on Day 0 : 830

Standard Deviation: 441

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
RDX	08/23/99	09/07/99	15	03	1	5.62	
					2	12.9	
					3	1.3	
					Average Concentration for Cross Section 03 :		*7*
RDX	08/23/99	09/07/99	15	05	1	25.9	
					2	2.29	
					3	0.893 J	
					Average Concentration for Cross Section 05 :		*10*
RDX	08/23/99	09/07/99	15	07	1	LT 1	
					2	3.6	
					3	0.805 J	
					Average Concentration for Cross Section 07 :		*2*
RDX	08/23/99	09/07/99	15	09	1	3.34	
					2	LT 1	
					3	2.95	
					Average Concentration for Cross Section 09 :		*2*
RDX	08/23/99	09/07/99	15	11	1	0.265 J	
					2	LT 1	
					3	5.91	
					Average Concentration for Cross Section 11 :		*2*

Average Concentration for Windrow on Day 15 : 5

Standard Deviation: 7

Percent Reduction of RDX: 99.45%

Windrow Number: S103 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
TETRYL	08/23/99	08/23/99	0	03	1	LT	7
					2	LT	2.5
					3	LT	4
				Average Concentration for Cross Section 03 :			*5*
TETRYL	08/23/99	08/23/99	0	05	1	LT	5.5
					2	LT	4
					3	LT	6
				Average Concentration for Cross Section 05 :			*5*
TETRYL	08/23/99	08/23/99	0	07	1	LT	6
					2	LT	4
					3	LT	2.5
				Average Concentration for Cross Section 07 :			*4*
TETRYL	08/23/99	08/23/99	0	09	1	LT	2
					2	LT	7
					3	LT	4
				Average Concentration for Cross Section 09 :			*4*
TETRYL	08/23/99	08/23/99	0	11	1	LT	2.5
					2	LT	2
					3	LT	5
				Average Concentration for Cross Section 11 :			*3*
				Average Concentration for Windrow on Day 0 :			*4*
				Standard Deviation:			*2*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
TETRYL	08/23/99	09/07/99	15	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
TETRYL	08/23/99	09/07/99	15	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
TETRYL	08/23/99	09/07/99	15	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
TETRYL	08/23/99	09/07/99	15	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
TETRYL	08/23/99	09/07/99	15	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 15 :			*1*
				Standard Deviation:			*0*

Percent Reduction of TETRYL: 76.56%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-104 Day 0: 08/25/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5730	12	2380	5.275	11605	20.275	19715
2	3	5710	12.15	2540	5.275	11605	20.425	19855
3	3.1	5790	12.15	2570	5.275	11605	20.525	19965
4	3.1	5740	12.1	2590	5.275	11605	20.475	19935
5	3.1	5750	12.1	2490	5.275	11605	20.475	19845
6	3	5730	12.1	2420	5.275	11605	20.375	19755
7	3.1	5760	12.15	2560	5.275	11605	20.525	19925
8	3	5700	12.15	2610	5.275	11605	20.425	19915
9	3.1	5760	12.15	2570	5.275	11605	20.525	19935
10	3.1	5750	12.15	2650	5.275	11605	20.525	20005
11	3.1	5740	12	2410	5.275	11605	20.375	19755
12	3.15	5830	12.15	2690	5.275	11605	20.575	20125
13	3.1	5760	12.1	2450	5.275	11605	20.475	19815
14	3	5690	12.1	2470	5.275	11605	20.375	19765
15	3.1	5740	12.15	2510	5.275	11605	20.525	19855
16	3.25	5470	12	2470	5.275	11605	20.525	19545
17	3.1	5800	12.15	2590	5.275	11605	20.525	19995
18	3.25	5970	12.4	2690	5.275	11605	20.925	20265
19	3	5680	11.95	2320	5.275	11605	20.225	19605
20	3.1	5760	12.1	2470	5.275	11605	20.475	19835
21	3	5680	12.1	2440	5.275	11605	20.375	19725
22	3.1	5780	12	2410	5.275	11605	20.375	19795
23	3.1	5720	12	2390	5.275	11605	20.375	19715
24	3	5710	12.1	2460	5.275	11605	20.375	19775
25	3	5700	12.1	2450	5.275	11605	20.375	19755
26	3	5620	12	2380	5.275	11605	20.275	19605
27	3	5790	11.9	2310	5.275	11605	20.175	19705
28	3.05	5810	12	2460	5.275	11605	20.325	19875
29	3	5740	12	2370	5.275	11605	20.275	19715
30	3	5790	12	2490	5.275	11605	20.275	19885
31	3.05	5820	12.2	2540	5.275	11605	20.525	19965
32	3.15	5970	12	2370	5.275	11605	20.425	19945
33	3.1	5890	12.2	2570	5.275	11605	20.575	20065
34	3	5580	12.2	2590	5.275	11605	20.475	19775
35	3.1	5840	12.15	2510	5.275	11605	20.525	19955
36	3	5760	12	2420	5.275	11605	20.275	19785
37	3	5720	12.2	2620	5.275	11605	20.475	19945
38	3.15	5870	12.2	2570	5.275	11605	20.625	20045
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	116.55	218650	459.65	94800	211.00	464200	787.2	777650

2077 M
John Bell
FT

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 104 PERFORMED BY: Howard

DATE: 8/1/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5730	12	2380				
2	3	5710	12.15	2540				
3	3.10	5790	12.15	2570				
4	3.10	5740	12.10	2590				
5	3.10	5750	12.10	2490				
6	3	5730	12.10	2420				
7	3.10	5760	12.5	2560				
8	3	5700	12.15	2610				
9	3.10	5780	12.15	2570				
10	3.10	5750	12.15	2650				
11	3.10	5740	12	2410				
12	3.15	5830	12.15	2690				
13	3.10	5760	12.10	2450				
14	3	5690	12.10	2470				
15	3.10	5740	12.15	2510				
16	3.25	5970	12.00	2470				
17	3.10	5800	12.15	2590				
18	3.25	5970	12.40	2690				
19	3	5680	11.95	2320				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M 104 PERFORMED BY: [illegible]

DATE: 8 12 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5760	12.10	2470				
21	3	5680	12.10	2440				
22	3.10	5780	12	2410				
23	3.10	5720	12	2390				
24	3	5710	12.10	2460				
25	3	5700	12.10	2450				
26								
27								
28								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 104 PERFORMED BY: _____

DATE: 8/25/99 INSPECTED BY: Daykeff

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil 523 CY 11660 Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.00	5620	12	2380				
2	3	5790	11.90	2310				
3	3.05	5810	12	2460				
4	3.00	5740	12	2370				
5	3	5790	12	2490				
6	3.05	5820	12.20	2540				
7	3.15	5970	12.00	2370				
8	3.10	5890	12.20	2570				
9	3.00	5580	12.20	2590				
10	3.10	5840	12.15	2510				
11	3.00	5760	12.00	2420				
12	3.00	5720	12.20	2420				
13	3.15	5870	12.20	2570				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M104	8/25/99	8/25/99	0		29.77
		8/26/99	1	53.82	53.27
		8/27/99	2	66.03	55.60
		8/28/99	3	64.27	66.53
		8/29/99	4	67.40	67.90
		8/30/99	5	67.43	67.27
		8/31/99	6	68.83	68.20
		9/1/99	7	67.27	66.23
		9/2/99	8	66.80	67.17
		9/3/99	9	67.33	64.17
		9/4/99	10	67.70	64.30
		9/5/99	11	67.00	63.80
		9/7/99	13	67.17	60.63
		9/8/99	14	66.33	61.70
		9/9/99	15	67.77	62.60
		9/10/99	16	66.80	61.33
		9/11/99	17	66.47	57.13
		9/12/99	18	67.67	62.37
		9/13/99	19	67.75	62.97

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M104	8/25/99	8/25/99	0		16.60
		8/26/99	1	2.29	3.60
		8/27/99	2	5.63	10.93
		8/28/99	3	11.83	8.37
		8/30/99	5	11.60	12.23
		8/31/99	6	13.00	11.37
		9/1/99	7	10.60	10.73
		9/2/99	8	12.27	10.73
		9/3/99	9	10.93	10.57
		9/4/99	10	5.00	
		9/5/99	11	5.97	12.93
		9/7/99	13	13.37	11.77
		9/8/99	14	10.27	14.67
		9/9/99	15	8.03	13.73
		9/10/99	16	7.67	9.97
		9/11/99	17	7.70	9.00
		9/12/99	18	6.07	9.63
		9/13/99	19	8.89	9.77

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M104	8/25/99	8/25/99	0		44.52
		8/26/99	1		50.44
		8/28/99	3		51.44
		8/31/99	6		49.58
		9/3/99	9		37.58
		9/4/99	10		42.00
		9/7/99	13		47.76
		9/10/99	16		43.58

All average MWHC values are expressed in percent

Windrow Number: M104 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		MGKG
135TNB	08/25/99	08/25/99	0	03	1	LT	1.5	
					2	LT	0.25	
					3	LT	0.3	
				Average Concentration for Cross Section 03 :				*1*
135TNB	08/25/99	08/25/99	0	05	1	LT	2	
					2	LT	0.25	
					3	LT	1.5	
				Average Concentration for Cross Section 05 :				*1*
135TNB	08/25/99	08/25/99	0	07	1	LT	0.5	
					2	LT	0.25	
					3	LT	0.25	
				Average Concentration for Cross Section 07 :				*0*
135TNB	08/25/99	08/25/99	0	09	1	LT	0.5	
					2	LT	0.5	
					3	LT	0.5	
				Average Concentration for Cross Section 09 :				*1*
135TNB	08/25/99	08/25/99	0	11	1	LT	0.5	
					2	LT	0.5	
					3	LT	0.5	
				Average Concentration for Cross Section 11 :				*1*
				Average Concentration for Windrow on Day 0 :				*1*
				Standard Deviation:				*1*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		MGKG
135TNB	08/25/99	09/13/99	19	03	1	LT	1	
					2	LT	1	
					3	LT	1	
				Average Concentration for Cross Section 03 :				*1*
135TNB	08/25/99	09/13/99	19	05	1	LT	1	
					2	LT	1	
					3	LT	1	
				Average Concentration for Cross Section 05 :				*1*
135TNB	08/25/99	09/13/99	19	07	1	LT	1	
					2	LT	1	
					3	LT	1	
				Average Concentration for Cross Section 07 :				*1*
135TNB	08/25/99	09/13/99	19	09	1	LT	1	
					2	LT	1	
					3	LT	1	
				Average Concentration for Cross Section 09 :				*1*
135TNB	08/25/99	09/13/99	19	11	1	LT	1	
					2	LT	1	
					3	LT	1	
				Average Concentration for Cross Section 11 :				*1*
				Average Concentration for Windrow on Day 19 :				*1*
				Standard Deviation:				*0*

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M104 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
13DNB	08/25/99	08/25/99	0	03	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 03 :			*0*
13DNB	08/25/99	08/25/99	0	05	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 05 :			*0*
13DNB	08/25/99	08/25/99	0	07	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 07 :			*0*
13DNB	08/25/99	08/25/99	0	09	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 09 :			*0*
13DNB	08/25/99	08/25/99	0	11	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 11 :			*0*
				Average Concentration for Windrow on Day 0 :			*0*
				Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
13DNB	08/25/99	09/13/99	19	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
13DNB	08/25/99	09/13/99	19	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
13DNB	08/25/99	09/13/99	19	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
13DNB	08/25/99	09/13/99	19	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
13DNB	08/25/99	09/13/99	19	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 19 :			*1*
				Standard Deviation:			*0*

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M104 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
246TNT	08/25/99	08/25/99	0	03	1	173	
					2	6.78	
					3	29.2	
				Average Concentration for Cross Section 03 :			*70*
246TNT	08/25/99	08/25/99	0	05	1	253	
					2	22.3	
					3	150	
				Average Concentration for Cross Section 05 :			*142*
246TNT	08/25/99	08/25/99	0	07	1	30.4	
					2	18.4	
					3	9.73	
				Average Concentration for Cross Section 07 :			*20*
246TNT	08/25/99	08/25/99	0	09	1	45.5	
					2	30	
					3	50	
				Average Concentration for Cross Section 09 :			*42*
246TNT	08/25/99	08/25/99	0	11	1	55.6	
					2	17.6	
					3	24.4	
				Average Concentration for Cross Section 11 :			*33*
					Average Concentration for Windrow on Day 0 :		*61*
						Standard Deviation:	*72*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
246TNT	08/25/99	09/13/99	19	03	1	0.137 J	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 03 :			*1*
246TNT	08/25/99	09/13/99	19	05	1	LT 1	
					2	0.302 J	
					3	LT 1	
				Average Concentration for Cross Section 05 :			*1*
246TNT	08/25/99	09/13/99	19	07	1	7.3	
					2	0.145 J	
					3	LT 1	
				Average Concentration for Cross Section 07 :			*3*
246TNT	08/25/99	09/13/99	19	09	1	0.18 J	
					2	0.119 J	
					3	0.599 J	
				Average Concentration for Cross Section 09 :			*0*
246TNT	08/25/99	09/13/99	19	11	1	LT 1	
					2	0.277 J	
					3	LT 1	
				Average Concentration for Cross Section 11 :			*1*
					Average Concentration for Windrow on Day 19 :		*1*
						Standard Deviation:	*2*

Percent Reduction of 246TNT: 98.25%

Windrow Number: M104 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	08/25/99	08/25/99	0	03	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 03 :			*0*
24DNT	08/25/99	08/25/99	0	05	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 05 :			*0*
24DNT	08/25/99	08/25/99	0	07	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 07 :			*0*
24DNT	08/25/99	08/25/99	0	09	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 09 :			*0*
24DNT	08/25/99	08/25/99	0	11	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 11 :			*0*
				Average Concentration for Windrow on Day 0 :			*0*
				Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	08/25/99	09/13/99	19	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
24DNT	08/25/99	09/13/99	19	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
24DNT	08/25/99	09/13/99	19	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
24DNT	08/25/99	09/13/99	19	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
24DNT	08/25/99	09/13/99	19	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 19 :			*1*
				Standard Deviation:			*0*

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M104 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
26DNT	08/25/99	08/25/99	0	03	1	LT	0.25
					2	LT	1.5
					3	LT	1.5
				Average Concentration for Cross Section 03 :			*1*
26DNT	08/25/99	08/25/99	0	05	1	LT	0.25
					2	LT	2
					3	LT	0.25
				Average Concentration for Cross Section 05 :			*1*
26DNT	08/25/99	08/25/99	0	07	1	LT	1.5
					2	LT	0.5
					3	LT	0.7
				Average Concentration for Cross Section 07 :			*1*
26DNT	08/25/99	08/25/99	0	09	1	LT	0.25
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
26DNT	08/25/99	08/25/99	0	11	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 11 :			*0*
				Average Concentration for Windrow on Day 0 :			*1*
				Standard Deviation:			*1*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
26DNT	08/25/99	09/13/99	19	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
26DNT	08/25/99	09/13/99	19	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
26DNT	08/25/99	09/13/99	19	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
26DNT	08/25/99	09/13/99	19	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
26DNT	08/25/99	09/13/99	19	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 19 :			*1*
				Standard Deviation:			*0*

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M104 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2A46DT	08/25/99	08/25/99	0	03	1	LT	1.5
					2	LT	0.5
					3	LT	0.8
				Average Concentration for Cross Section 03 :			*1*
2A46DT	08/25/99	08/25/99	0	05	1	LT	2
					2	LT	0.7
					3	LT	2
				Average Concentration for Cross Section 05 :			*2*
2A46DT	08/25/99	08/25/99	0	07	1	LT	1.5
					2	LT	1.5
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2A46DT	08/25/99	08/25/99	0	09	1	LT	1.5
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2A46DT	08/25/99	08/25/99	0	11	1	LT	1.5
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2A46DT	08/25/99	09/13/99	19	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2A46DT	08/25/99	09/13/99	19	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2A46DT	08/25/99	09/13/99	19	07	1		0.134 J
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2A46DT	08/25/99	09/13/99	19	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2A46DT	08/25/99	09/13/99	19	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 19 : ***1***

Standard Deviation: ***0***

Percent Reduction of 2A46DT: 23.60%

Windrow Number: M104 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2NT	08/25/99	08/25/99	0	03	1	LT	0.3
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 03 :			*0*
2NT	08/25/99	08/25/99	0	05	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 05 :			*0*
2NT	08/25/99	08/25/99	0	07	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 07 :			*0*
2NT	08/25/99	08/25/99	0	09	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 09 :			*0*
2NT	08/25/99	08/25/99	0	11	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 11 :			*0*
				Average Concentration for Windrow on Day 0 :			*0*
				Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2NT	08/25/99	09/13/99	19	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2NT	08/25/99	09/13/99	19	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2NT	08/25/99	09/13/99	19	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2NT	08/25/99	09/13/99	19	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2NT	08/25/99	09/13/99	19	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 19 :			*1*
				Standard Deviation:			*0*

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M104 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
3NT	08/25/99	08/25/99	0	03	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 03 :			*0*
3NT	08/25/99	08/25/99	0	05	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 05 :			*0*
3NT	08/25/99	08/25/99	0	07	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 07 :			*0*
3NT	08/25/99	08/25/99	0	09	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 09 :			*0*
3NT	08/25/99	08/25/99	0	11	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 11 :			*0*
				Average Concentration for Windrow on Day 0 :			*0*
				Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
3NT	08/25/99	09/13/99	19	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
3NT	08/25/99	09/13/99	19	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
3NT	08/25/99	09/13/99	19	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
3NT	08/25/99	09/13/99	19	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
3NT	08/25/99	09/13/99	19	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 19 :			*1*
				Standard Deviation:			*0*

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M104 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4A26DT	08/25/99	08/25/99	0	03	1	LT	25
					2	LT	1
					3	LT	25
				Average Concentration for Cross Section 03 :			*17*
4A26DT	08/25/99	08/25/99	0	05	1	LT	25
					2	LT	5
					3	LT	25
				Average Concentration for Cross Section 05 :			*18*
4A26DT	08/25/99	08/25/99	0	07	1	LT	5
					2	LT	5
					3	LT	5
				Average Concentration for Cross Section 07 :			*5*
4A26DT	08/25/99	08/25/99	0	09	1	LT	5
					2	LT	5
					3	LT	25
				Average Concentration for Cross Section 09 :			*12*
4A26DT	08/25/99	08/25/99	0	11	1	LT	5
					2	LT	3
					3	LT	5
				Average Concentration for Cross Section 11 :			*4*

Average Concentration for Windrow on Day 0 : ***11***

Standard Deviation: ***10***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4A26DT	08/25/99	09/13/99	19	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
4A26DT	08/25/99	09/13/99	19	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
4A26DT	08/25/99	09/13/99	19	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
4A26DT	08/25/99	09/13/99	19	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
4A26DT	08/25/99	09/13/99	19	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 19 : ***1***

Standard Deviation: ***0***

Percent Reduction of 4A26DT: 91.12%

Windrow Number: M104 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4NT	08/25/99	08/25/99	0	03	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 03 :			*0*
4NT	08/25/99	08/25/99	0	05	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 05 :			*0*
4NT	08/25/99	08/25/99	0	07	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 07 :			*0*
4NT	08/25/99	08/25/99	0	09	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 09 :			*0*
4NT	08/25/99	08/25/99	0	11	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 11 :			*0*
				Average Concentration for Windrow on Day 0 :			*0*
				Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4NT	08/25/99	09/13/99	19	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
4NT	08/25/99	09/13/99	19	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
4NT	08/25/99	09/13/99	19	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
4NT	08/25/99	09/13/99	19	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
4NT	08/25/99	09/13/99	19	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 19 :			*1*
				Standard Deviation:			*0*

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M104 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
HMX	08/25/99	08/25/99	0	03	1	204	
					2	43.7	
					3	78.4	
				Average Concentration for Cross Section 03 :			*109*
HMX	08/25/99	08/25/99	0	05	1	287	
					2	42.9	
					3	198	
				Average Concentration for Cross Section 05 :			*176*
HMX	08/25/99	08/25/99	0	07	1	100	
					2	135	
					3	125	
				Average Concentration for Cross Section 07 :			*120*
HMX	08/25/99	08/25/99	0	09	1	160	
					2	102	
					3	161	
				Average Concentration for Cross Section 09 :			*141*
HMX	08/25/99	08/25/99	0	11	1	122	
					2	132	
					3	89.9	
				Average Concentration for Cross Section 11 :			*115*

Average Concentration for Windrow on Day 0 : ***132***

Standard Deviation: ***64***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
HMX	08/25/99	09/13/99	19	03	1	0.377 J	
					2	1.73	
					3	1.2	
				Average Concentration for Cross Section 03 :			*1*
HMX	08/25/99	09/13/99	19	05	1	0.482 J	
					2	0.308 J	
					3	1.03	
				Average Concentration for Cross Section 05 :			*1*
HMX	08/25/99	09/13/99	19	07	1	2.44	
					2	0.498 J	
					3	3.69	
				Average Concentration for Cross Section 07 :			*2*
HMX	08/25/99	09/13/99	19	09	1	0.918 J	
					2	1.47	
					3	0.902 J	
				Average Concentration for Cross Section 09 :			*1*
HMX	08/25/99	09/13/99	19	11	1	1.02	
					2	7.79	
					3	8.89	
				Average Concentration for Cross Section 11 :			*6*

Average Concentration for Windrow on Day 19 : ***2***

Standard Deviation: ***3***

Percent Reduction of HMX: 98.35%

Windrow Number: M104 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
NB	08/25/99	08/25/99	0	03	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 03 :			*0*
NB	08/25/99	08/25/99	0	05	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 05 :			*0*
NB	08/25/99	08/25/99	0	07	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 07 :			*0*
NB	08/25/99	08/25/99	0	09	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 09 :			*0*
NB	08/25/99	08/25/99	0	11	1	LT	0.25
					2	LT	0.25
					3	LT	0.25
				Average Concentration for Cross Section 11 :			*0*
				Average Concentration for Windrow on Day 0 :			*0*
				Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
NB	08/25/99	09/13/99	19	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
NB	08/25/99	09/13/99	19	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
NB	08/25/99	09/13/99	19	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
NB	08/25/99	09/13/99	19	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
NB	08/25/99	09/13/99	19	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 19 :			*1*
				Standard Deviation:			*0*

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M104 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
RDX	08/25/99	08/25/99	0	03	1	1890	
					2	432	
					3	850	
				Average Concentration for Cross Section 03 :			*1057*
RDX	08/25/99	08/25/99	0	05	1	3190	
					2	514	
					3	2290	
				Average Concentration for Cross Section 05 :			*1998*
RDX	08/25/99	08/25/99	0	07	1	1190	
					2	1330	
					3	1270	
				Average Concentration for Cross Section 07 :			*1263*
RDX	08/25/99	08/25/99	0	09	1	2080	
					2	1040	
					3	1870	
				Average Concentration for Cross Section 09 :			*1663*
RDX	08/25/99	08/25/99	0	11	1	1280	
					2	1400	
					3	938	
				Average Concentration for Cross Section 11 :			*1206*

Average Concentration for Windrow on Day 0 : 1438

Standard Deviation: 724

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
RDX	08/25/99	09/13/99	19	03	1	2.26	
					2	3.14	
					3	0.658 J	
				Average Concentration for Cross Section 03 :			*2*
RDX	08/25/99	09/13/99	19	05	1	0.863 J	
					2	0.428 J	
					3	1.97	
				Average Concentration for Cross Section 05 :			*1*
RDX	08/25/99	09/13/99	19	07	1	19.2	
					2	LT 1	
					3	0.859 J	
				Average Concentration for Cross Section 07 :			*7*
RDX	08/25/99	09/13/99	19	09	1	LT 1	
					2	LT 1	
					3	1.55	
				Average Concentration for Cross Section 09 :			*1*
RDX	08/25/99	09/13/99	19	11	1	3.78	
					2	8.76	
					3	38.1	
				Average Concentration for Cross Section 11 :			*17*

Average Concentration for Windrow on Day 19 : 6

Standard Deviation: 10

Percent Reduction of RDX: 99.61%

Windrow Number: M104 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
TETRYL	08/25/99	08/25/99	0	03	1	LT	0.5
					2	LT	3
					3	LT	3.5
					Average Concentration for Cross Section 03 :		*2*
TETRYL	08/25/99	08/25/99	0	05	1	LT	0.25
					2	LT	5
					3	LT	0.5
					Average Concentration for Cross Section 05 :		*2*
TETRYL	08/25/99	08/25/99	0	07	1	LT	2
					2	LT	0.5
					3	LT	0.5
					Average Concentration for Cross Section 07 :		*1*
TETRYL	08/25/99	08/25/99	0	09	1	LT	0.5
					2	LT	2
					3	LT	1.5
					Average Concentration for Cross Section 09 :		*1*
TETRYL	08/25/99	08/25/99	0	11	1	LT	1
					2	LT	0.25
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***1***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
TETRYL	08/25/99	09/13/99	19	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
TETRYL	08/25/99	09/13/99	19	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
TETRYL	08/25/99	09/13/99	19	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
TETRYL	08/25/99	09/13/99	19	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
TETRYL	08/25/99	09/13/99	19	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*

Average Concentration for Windrow on Day 19 : ***1***

Standard Deviation: ***0***

Percent Reduction of TETRYL: 31.82%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # N-105 Day 0: 08/27/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5780	12.15	2570	5.275	11605	20.525	19955
2	3.1	5750	12.15	2490	5.275	11605	20.525	19845
3	3.1	5740	12	2420	5.275	11605	20.375	19765
4	3.1	5770	12.1	2470	5.275	11605	20.475	19845
5	3.1	5790	12.15	2540	5.275	11605	20.525	19935
6	3	5670	12.15	2540	5.275	11605	20.425	19815
7	3.1	5810	12.1	2490	5.275	11605	20.475	19905
8	3	5740	12.15	2480	5.275	11605	20.425	19825
9	3	5770	12.1	2470	5.275	11605	20.375	19845
10	3.1	5820	12	2420	5.275	11605	20.375	19845
11	3	5740	12	2410	5.275	11605	20.275	19755
12	3	5610	12	2340	5.275	11605	20.275	19555
13	3	5740	12	2470	5.275	11605	20.275	19815
14	3.1	5820	12.2	2640	5.275	11605	20.575	20065
15	3	5770	12.1	2570	5.275	11605	20.375	19945
16	3.15	5880	12.2	2620	5.275	11605	20.625	20105
17	3.15	5910	12.15	2580	5.275	11605	20.575	20095
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
Total	52.1	98110	205.7	42520	89.68	197285	347.475	337915

RECORD OF RECIPE (MIX NO. 7B)

Building # N Windrow # 105 PERFORMED BY: Rick

DATE: 8 12/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier Dabank Dally Produce		STRAW Supplier RAY STOUT		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5610	12	2340				
2	3	5740	12	2470				
3	3.10	5820	12.2	2640				
4	3	5720	12.1	2570				
5	3.15	5880	12.2	2620				
6	3.15	5910	12.10	2580				
7								
8								
9								
10								
Total								

Comments:

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # N Windrow # 105 PERFORMED BY: Howard

DATE: 8/27/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5780	12.15	2570				
2	3.10	5750	12.15	2490				
3	3.10	5740	12	2420				
4	3.10	5770	12.10	2470				
5	3.10	5790	12.15	2510				
6	3.00	5670	12.15	2540				
7	3.10	5810	12.10	2490				
8	3.00	5740	12.15	2480				
9	3	5770	12.10	2470				
10	3.10	5820	12	2420				
11	3	5740	12	2410				
Tot								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
N105	8/27/99	8/27/99	0		35.75
		8/28/99	1	63.50	57.00
		8/29/99	2	62.08	63.75
		8/30/99	3	64.00	664.45
		8/31/99	4	61.33	60.92
		9/1/99	5	66.42	66.67
		9/2/99	6	68.08	67.33

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
N105	8/27/99	8/27/99	0		14.83
		8/28/99	1	10.83	6.33
		8/30/99	3	9.17	8.08
		8/31/99	4	11.00	12.50
		9/1/99	5	9.75	9.83
		9/2/99	6	11.50	10.25

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
N105	8/27/99	8/27/99	0		52.80
		8/28/99	1		50.60
		8/31/99	4		48.80

All average MWHC values are expressed in percent

Windrow Number: N105 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
135TNB	08/27/99	08/27/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
135TNB	08/27/99	08/27/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 0 :		*1*
						Standard Deviation:	*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
135TNB	08/27/99	09/02/99	6	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
135TNB	08/27/99	09/02/99	6	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 6 :		*1*
						Standard Deviation:	*0*

Percent Reduction of 135TNB: 0.00%

Windrow Number: N105 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
13DNB	08/27/99	08/27/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
13DNB	08/27/99	08/27/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 0 :		*1*
						Standard Deviation:	*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
13DNB	08/27/99	09/02/99	6	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
13DNB	08/27/99	09/02/99	6	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 6 :		*1*
						Standard Deviation:	*0*

Percent Reduction of 13DNB: 0.00%

Windrow Number: N105 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
246TNT	08/27/99	08/27/99	0	03	1	1.27	
					2	0.204 J	
					3	0.374 J	
					Average Concentration for Cross Section 03 :		*1*
246TNT	08/27/99	08/27/99	0	05	1	3.27	
					2	0.302 J	
					3	0.25 J	
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 0 :		*1*
					Standard Deviation:		*1*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
246TNT	08/27/99	09/02/99	6	03	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 03 :		*1*
246TNT	08/27/99	09/02/99	6	05	1	LT 1	
					2	6.07	
					3	LT 1	
					Average Concentration for Cross Section 05 :		*3*
					Average Concentration for Windrow on Day 6 :		*2*
					Standard Deviation:		*2*

Percent Reduction of 246TNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: N105 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	08/27/99	08/27/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
24DNT	08/27/99	08/27/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	08/27/99	09/02/99	6	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
24DNT	08/27/99	09/02/99	6	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*

Average Concentration for Windrow on Day 6 : ***1***

Standard Deviation: ***0***

Percent Reduction of 24DNT: 0.00%

Windrow Number: N105 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
26DNT	08/27/99	08/27/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
26DNT	08/27/99	08/27/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
				Average Concentration for Windrow on Day 0 :			*1*
						Standard Deviation:	*0*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
26DNT	08/27/99	09/02/99	6	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
26DNT	08/27/99	09/02/99	6	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
				Average Concentration for Windrow on Day 6 :			*1*
						Standard Deviation:	*0*

Percent Reduction of 26DNT: 0.00%

Windrow Number: N105 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2A46DT	08/27/99	08/27/99	0	03	1	0.104 J	
					2	0.107 J	
					3	LT 1	
					Average Concentration for Cross Section 03 :		*0*
2A46DT	08/27/99	08/27/99	0	05	1	0.311 J	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 0 :		*1*
						Standard Deviation:	*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2A46DT	08/27/99	09/02/99	6	03	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 03 :		*1*
2A46DT	08/27/99	09/02/99	6	05	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 6 :		*1*
						Standard Deviation:	*0*

Percent Reduction of 2A46DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: N105 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2NT	08/27/99	08/27/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
2NT	08/27/99	08/27/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 0 :		*1*
						Standard Deviation:	*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2NT	08/27/99	09/02/99	6	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
2NT	08/27/99	09/02/99	6	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 6 :		*1*
						Standard Deviation:	*0*

Percent Reduction of 2NT: 0.00%

Windrow Number: N105 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
3NT	08/27/99	08/27/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
3NT	08/27/99	08/27/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 0 :		*1*
					Standard Deviation:		*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
3NT	08/27/99	09/02/99	6	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
3NT	08/27/99	09/02/99	6	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 6 :		*1*
					Standard Deviation:		*0*

Percent Reduction of 3NT: 0.00%

Windrow Number: N105 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		MGKG
4A26DT	08/27/99	08/27/99	0	03	1		0.23 J	
					2		0.146 J	
					3	LT	1	
					Average Concentration for Cross Section 03 :			*0*
4A26DT	08/27/99	08/27/99	0	05	1		0.448 J	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 05 :			*1*
					Average Concentration for Windrow on Day 0 :			*1*
					Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		MGKG
4A26DT	08/27/99	09/02/99	6	03	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 03 :			*1*
4A26DT	08/27/99	09/02/99	6	05	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 05 :			*1*
					Average Concentration for Windrow on Day 6 :			*1*
					Standard Deviation:			*0*

Percent Reduction of 4A26DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: N105 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4NT	08/27/99	08/27/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
4NT	08/27/99	08/27/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 0 :		*1*
					Standard Deviation:		*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4NT	08/27/99	09/02/99	6	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
4NT	08/27/99	09/02/99	6	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 6 :		*1*
					Standard Deviation:		*0*

Percent Reduction of 4NT: 0.00%

Windrow Number: N105 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
HMX	08/27/99	08/27/99	0	03	1	23.3	
					2	23.6	
					3	17.2	
				Average Concentration for Cross Section 03 :			*21*
HMX	08/27/99	08/27/99	0	05	1	33.7	
					2	19.8	
					3	23.3	
				Average Concentration for Cross Section 05 :			*26*
				Average Concentration for Windrow on Day 0 :			*23*
						Standard Deviation:	*6*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
HMX	08/27/99	09/02/99	6	03	1	3.41	
					2	6.23	
					3	3.42	
				Average Concentration for Cross Section 03 :			*4*
HMX	08/27/99	09/02/99	6	05	1	3.56	
					2	3.9	
					3	2.84	
				Average Concentration for Cross Section 05 :			*3*
				Average Concentration for Windrow on Day 6 :			*4*
						Standard Deviation:	*1*

Percent Reduction of HMX: 83.42%

Windrow Number: N105 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
NB	08/27/99	08/27/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
NB	08/27/99	08/27/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 0 :		*1*
					Standard Deviation:		*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
NB	08/27/99	09/02/99	6	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
NB	08/27/99	09/02/99	6	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
					Average Concentration for Windrow on Day 6 :		*1*
					Standard Deviation:		*0*

Percent Reduction of NB: 0.00%

Windrow Number: N105 *PETN Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		MGKG
PETN	08/27/99	09/02/99	6	03	1	LT	2.5	
					2	LT	2.5	
					3	LT	2.5	
				Average Concentration for Cross Section 03 :				*3*
PETN	08/27/99	09/02/99	6	05	1	LT	2.5	
					2	LT	2.5	
					3	LT	2.5	
				Average Concentration for Cross Section 05 :				*3*
				Average Concentration for Windrow on Day 6 :				*3*
						Standard Deviation:		*0*
								#Error

Windrow Number: N105 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
RDX	08/27/99	08/27/99	0	03	1	131	
					2	88.1	
					3	78	
					Average Concentration for Cross Section 03 :		*99*
RDX	08/27/99	08/27/99	0	05	1	20.7	
					2	37.2	
					3	82.8	
					Average Concentration for Cross Section 05 :		*47*
					Average Concentration for Windrow on Day 0 :		*73*
					Standard Deviation:		*39*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
RDX	08/27/99	09/02/99	6	03	1	5.41	
					2	6.16	
					3	5.63	
					Average Concentration for Cross Section 03 :		*6*
RDX	08/27/99	09/02/99	6	05	1	6.98	
					2	3.7	
					3	2.1	
					Average Concentration for Cross Section 05 :		*4*
					Average Concentration for Windrow on Day 6 :		*5*
					Standard Deviation:		*2*

Percent Reduction of RDX: 93.15%

Windrow Number: N105 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
TETRYL	08/27/99	08/27/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
TETRYL	08/27/99	08/27/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
TETRYL	08/27/99	09/02/99	6	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
TETRYL	08/27/99	09/02/99	6	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*

Average Concentration for Windrow on Day 6 : ***1***

Standard Deviation: ***0***

Percent Reduction of TETRYL: 0.00%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-106 Day 0: 08/30/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5770	12.1	2490	5.275	11605	20.475	19865
2	3.2	5870	12.5	2810	5.275	11605	20.975	20285
3	3.1	5790	12.25	2640	5.275	11605	20.625	20035
4	3	5690	12	2410	5.275	11605	20.275	19705
5	3.1	5780	12.1	2470	5.275	11605	20.475	19855
6	2.75	5680	12.1	2480	5.275	11605	20.125	19765
7	3.1	5770	12.15	2540	5.275	11605	20.525	19915
8	3.2	5850	12.1	2480	5.275	11605	20.575	19935
9	3	5730	12	2400	5.275	11605	20.275	19735
10	3.2	5850	12.15	2560	5.275	11605	20.625	20015
11	3.1	5760	12.1	2490	5.275	11605	20.475	19855
12	3	5710	12.1	2450	5.275	11605	20.375	19765
13	3	5640	12	2370	5.275	11605	20.275	19615
14	3	5720	12.1	2460	5.275	11605	20.375	19785
15	3.15	5800	12.15	2520	5.275	11605	20.575	19925
16	3	5680	11.95	2280	5.275	11605	20.225	19565
17	3.2	5840	12.05	2480	5.275	11605	20.525	19925
18	3	5710	12.25	2590	5.275	11605	20.525	19905
19	3	5680	12	2360	5.275	11605	20.275	19645
20	3	5730	12.1	2510	5.275	11605	20.375	19845
21	3.2	5870	12.5	2640	5.275	11605	20.975	20115
22	3.1	5790	12.1	2540	5.275	11605	20.475	19935
23	3	5680	12	2390	5.275	11605	20.275	19675
24	3.05	5760	12.1	2520	5.275	11605	20.425	19885
25	3.2	5850	12.5	2620	5.275	11605	20.975	20075
26	3.1	5770	12.1	2470	5.275	11605	20.475	19845
27	3.2	5820	12.1	2540	5.275	11605	20.575	19965
28	3.1	5790	12	2490	5.275	11605	20.375	19885
29	3.15	5840	12.5	2610	5.275	11605	20.925	20055
30	3	5740	11.75	2350	5.275	11605	20.025	19695
31	3	5710	12.1	2460	5.275	11605	20.375	19775
32	3.2	5820	12.1	2480	5.275	11605	20.575	19905
33	3.1	5760	12.15	2540	5.275	11605	20.525	19905
34	3	5730	12.1	2470	5.275	11605	20.375	19805
35	3.1	5790	12.1	2490	5.275	11605	20.475	19885
36	3.25	5870	12	2610	5.275	11605	20.525	20085
37	3.15	5790	12.1	2520	5.275	11605	20.525	19915
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	114.1	213430	448.55	92530	211.00	464200	773.65	770160

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 105 PERFORMED BY: Howard

DATE: 8/30/99 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5770	12.10	2490				
2	3.20	5820	12.50	2810				
3	3.10	5790	12.25	2640				
4	3	5690	12	2400				
5	3.10	5780	12.10	2470				
6	2.75	5680	12.10	2480				
7	3.10	5770	12.15	2540				
8	3.20	5850	12.10	2480				
9	3	5830	12	2400				
10	3.20	5850	12.15	2560				
11	3.10	5760	12.10	2490				
12	3	5710	12.10	2450				
13	3	5640	12	2370				
14	3	5720	12.1	2460				
15	3.15	5800	12.15	2520				
16	3	5680	11.95	2280				
17	3.20	5840	12.10	2480				
18	3	5710	12.25	2590				
19	3	5680	12.00	2360				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 106 PERFORMED BY: [signature]

DATE: 8/20/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5200 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Pour Type 2

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5780	12.10	2510				
2	3.20	5870	12.50	2640				
3	3.10	5790	12.10	2540				
4	3.00	5680	12.00	2390				
5	3.05	5760	12.10	2520				
6	3.20	5850	12.50	2620				
7	3.10	5770	12.10	2470				
8	3.20	5820	12.10	2540				
9	3.10	5790	12.	2490				
10	3.15	5840	12.50	2610				
11	3	5740	11.75	2350				
12	3	5710	12.10	2460				
13	3.20	5820	12.10	2480				
14	3.10	5760	12.15	2540				
15	3.	5730	12.10	247[illegible]				
16	3.10	5790	12.10	2480				
17	3.25	5870	12.	2610				
18	3.15	5790	12.10	2520				
19								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M106	8/30/99	8/30/99	0		33.93
		8/31/99	1	49.80	51.20
		9/1/99	2	64.13	64.73
		9/2/99	3	66.67	65.70
		9/3/99	4	65.17	64.30
		9/4/99	5	65.70	64.03
		9/5/99	6	67.57	61.33
		9/7/99	8	66.73	63.53

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M106	8/30/99	8/30/99	0		14.47
		8/31/99	1	7.30	7.57
		9/1/99	2	10.03	8.30
		9/2/99	3	4.07	8.13
		9/3/99	4	6.87	9.20
		9/4/99	5	5.03	
		9/5/99	6	7.63	12.23
		9/7/99	8	12.80	9.50

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M106	8/30/99	8/30/99	0		36.14
		8/31/99	1		48.22
		9/3/99	4		36.96
		9/4/99	5		40.80

All average MWHC values are expressed in percent

Windrow Number: M106 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
135TNB	08/30/99	08/30/99	0	03	1		
					2		
					3		
					Average Concentration for Cross Section 03 :		
135TNB	08/30/99	08/30/99	0	05	1		
					2		
					3		
					Average Concentration for Cross Section 05 :		
135TNB	08/30/99	08/30/99	0	07	1		
					2		
					3		
					Average Concentration for Cross Section 07 :		
135TNB	08/30/99	08/30/99	0	09	1		
					2		
					3		
					Average Concentration for Cross Section 09 :		
135TNB	08/30/99	08/30/99	0	11	1		
					2		
					3		
					Average Concentration for Cross Section 11 :		

Average Concentration for Windrow on Day 0 :

Standard Deviation:

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
135TNB	08/30/99	09/08/99	9	03	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 03 :		*1*
135TNB	08/30/99	09/08/99	9	05	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 05 :		*1*
135TNB	08/30/99	09/08/99	9	07	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 07 :		*1*
135TNB	08/30/99	09/08/99	9	09	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 09 :		*1*
135TNB	08/30/99	09/08/99	9	11	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 11 :		*1*

Average Concentration for Windrow on Day 9 : *1*

Standard Deviation: *0*

#Error

Windrow Number: M106 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
13DNB	08/30/99	08/30/99	0	03	1		
					2		
					3		
					Average Concentration for Cross Section 03 :		
13DNB	08/30/99	08/30/99	0	05	1		
					2		
					3		
					Average Concentration for Cross Section 05 :		
13DNB	08/30/99	08/30/99	0	07	1		
					2		
					3		
					Average Concentration for Cross Section 07 :		
13DNB	08/30/99	08/30/99	0	09	1		
					2		
					3		
					Average Concentration for Cross Section 09 :		
13DNB	08/30/99	08/30/99	0	11	1		
					2		
					3		
					Average Concentration for Cross Section 11 :		
					Average Concentration for Windrow on Day 0 :		
					Standard Deviation:		

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
13DNB	08/30/99	09/08/99	9	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
13DNB	08/30/99	09/08/99	9	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
13DNB	08/30/99	09/08/99	9	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
13DNB	08/30/99	09/08/99	9	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
13DNB	08/30/99	09/08/99	9	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 9 :		***1***
					Standard Deviation:		***0***

#Error

Windrow Number: M106 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
246TNT	08/30/99	08/30/99	0	03	1	1.22	
					2	2.17	
					3	2.83	
					Average Concentration for Cross Section 03 :		*2*
246TNT	08/30/99	08/30/99	0	05	1	2.37	
					2	1.1	
					3	4.3	
					Average Concentration for Cross Section 05 :		*3*
246TNT	08/30/99	08/30/99	0	07	1	2.67	
					2	1.94	
					3	0.569 J	
					Average Concentration for Cross Section 07 :		*2*
246TNT	08/30/99	08/30/99	0	09	1	1.63	
					2		
					3	0.964 J	
					Average Concentration for Cross Section 09 :		*1*
246TNT	08/30/99	08/30/99	0	11	1	3.46	
					2	1.32	
					3	1.17	
					Average Concentration for Cross Section 11 :		*2*
					Average Concentration for Windrow on Day 0 :		***2***
					Standard Deviation:		***1***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
246TNT	08/30/99	09/08/99	9	03	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 03 :		*1*
246TNT	08/30/99	09/08/99	9	05	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 05 :		*1*
246TNT	08/30/99	09/08/99	9	07	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 07 :		*1*
246TNT	08/30/99	09/08/99	9	09	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 09 :		*1*
246TNT	08/30/99	09/08/99	9	11	1	0.271 J	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 9 :		***1***
					Standard Deviation:		***0***

Percent Reduction of 246TNT: 48.50%

Windrow Number: M106 *2,4-DINITROFLUOROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
24DNFB	08/30/99	08/30/99	0	03	1	28	
					2	57	
					3	99	
				Average Concentration for Cross Section 03 :			*61*
24DNFB	08/30/99	08/30/99	0	05	1	61	
					2	79	
					3	81	
				Average Concentration for Cross Section 05 :			*74*
24DNFB	08/30/99	08/30/99	0	07	1	43	
					2	42	
					3	8.9	
				Average Concentration for Cross Section 07 :			*31*
24DNFB	08/30/99	08/30/99	0	09	1	85	
					2	20	
					3	40	
				Average Concentration for Cross Section 09 :			*48*
24DNFB	08/30/99	08/30/99	0	11	1	97	
					2	14	
					3	0	
				Average Concentration for Cross Section 11 :			*37*

Average Concentration for Windrow on Day 0 : ***50***

Standard Deviation: ***33***

Percent Reduction of 24DNFB: 100.00%

Windrow Number: M106 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	08/30/99	08/30/99	0	03	1		
					2		
					3		
					Average Concentration for Cross Section 03 :		
24DNT	08/30/99	08/30/99	0	05	1		
					2		
					3		
					Average Concentration for Cross Section 05 :		
24DNT	08/30/99	08/30/99	0	07	1		
					2		
					3		
					Average Concentration for Cross Section 07 :		
24DNT	08/30/99	08/30/99	0	09	1		
					2		
					3		
					Average Concentration for Cross Section 09 :		
24DNT	08/30/99	08/30/99	0	11	1		
					2		
					3		
					Average Concentration for Cross Section 11 :		
					Average Concentration for Windrow on Day 0 :		
					Standard Deviation:		

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	08/30/99	09/08/99	9	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
24DNT	08/30/99	09/08/99	9	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
24DNT	08/30/99	09/08/99	9	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
24DNT	08/30/99	09/08/99	9	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
24DNT	08/30/99	09/08/99	9	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 9 :		*1*
					Standard Deviation:		*0*

#Error

Windrow Number: M106 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
26DNT	08/30/99	08/30/99	0	03	1		
					2		
					3		
				Average Concentration for Cross Section 03 :			
26DNT	08/30/99	08/30/99	0	05	1		
					2		
					3		
				Average Concentration for Cross Section 05 :			
26DNT	08/30/99	08/30/99	0	07	1		
					2		
					3		
				Average Concentration for Cross Section 07 :			
26DNT	08/30/99	08/30/99	0	09	1		
					2		
					3		
				Average Concentration for Cross Section 09 :			
26DNT	08/30/99	08/30/99	0	11	1		
					2		
					3		
				Average Concentration for Cross Section 11 :			

Average Concentration for Windrow on Day 0 :

Standard Deviation:

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
26DNT	08/30/99	09/08/99	9	03	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 03 :			*1*
26DNT	08/30/99	09/08/99	9	05	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 05 :			*1*
26DNT	08/30/99	09/08/99	9	07	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 07 :			*1*
26DNT	08/30/99	09/08/99	9	09	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 09 :			*1*
26DNT	08/30/99	09/08/99	9	11	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 9 : ***1***

Standard Deviation: ***0***

#Error

Windrow Number: M106 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2A46DT	08/30/99	08/30/99	0	03	1		
					2		
					3		
					Average Concentration for Cross Section 03 :		
2A46DT	08/30/99	08/30/99	0	05	1		
					2		
					3		
					Average Concentration for Cross Section 05 :		
2A46DT	08/30/99	08/30/99	0	07	1		
					2		
					3		
					Average Concentration for Cross Section 07 :		
2A46DT	08/30/99	08/30/99	0	09	1		
					2		
					3		
					Average Concentration for Cross Section 09 :		
2A46DT	08/30/99	08/30/99	0	11	1		
					2		
					3		
					Average Concentration for Cross Section 11 :		

Average Concentration for Windrow on Day 0 :

Standard Deviation:

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG	
2A46DT	08/30/99	09/08/99	9	03	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 03 :			*1*
2A46DT	08/30/99	09/08/99	9	05	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 05 :			*1*
2A46DT	08/30/99	09/08/99	9	07	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 07 :			*1*
2A46DT	08/30/99	09/08/99	9	09	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 09 :			*1*
2A46DT	08/30/99	09/08/99	9	11	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 9 : ***1***

Standard Deviation: ***0***

#Error

Windrow Number: M106 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2NT	08/30/99	08/30/99	0	03	1		
					2		
					3		
					Average Concentration for Cross Section 03 :		
2NT	08/30/99	08/30/99	0	05	1		
					2		
					3		
					Average Concentration for Cross Section 05 :		
2NT	08/30/99	08/30/99	0	07	1		
					2		
					3		
					Average Concentration for Cross Section 07 :		
2NT	08/30/99	08/30/99	0	09	1		
					2		
					3		
					Average Concentration for Cross Section 09 :		
2NT	08/30/99	08/30/99	0	11	1		
					2		
					3		
					Average Concentration for Cross Section 11 :		

Average Concentration for Windrow on Day 0 :

Standard Deviation:

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG	
2NT	08/30/99	09/08/99	9	03	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 03 :			*1*
2NT	08/30/99	09/08/99	9	05	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 05 :			*1*
2NT	08/30/99	09/08/99	9	07	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 07 :			*1*
2NT	08/30/99	09/08/99	9	09	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 09 :			*1*
2NT	08/30/99	09/08/99	9	11	1	LT	1	
					2	LT	1	
					3	LT	1	
					Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 9 : ***1***

Standard Deviation: ***0***

#Error

Windrow Number: M106 *3,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
34DNT	08/30/99	08/30/99	0	03	1	111	
					2	107	
					3	107	
				Average Concentration for Cross Section 03 :			*108*
34DNT	08/30/99	08/30/99	0	05	1	113	
					2	108	
					3	106	
				Average Concentration for Cross Section 05 :			*109*
34DNT	08/30/99	08/30/99	0	07	1	114	
					2	113	
					3	135	
				Average Concentration for Cross Section 07 :			*121*
34DNT	08/30/99	08/30/99	0	09	1	106	
					2	137	
					3	124	
				Average Concentration for Cross Section 09 :			*122*
34DNT	08/30/99	08/30/99	0	11	1	114	
					2	126	
					3	152	
				Average Concentration for Cross Section 11 :			*131*

Average Concentration for Windrow on Day 0 : 118

Standard Deviation: 14

Percent Reduction of 34DNT: 100.00%

Windrow Number: M106 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
3NT	08/30/99	08/30/99	0	03	1		
					2		
					3		
				Average Concentration for Cross Section 03 :			
3NT	08/30/99	08/30/99	0	05	1		
					2		
					3		
				Average Concentration for Cross Section 05 :			
3NT	08/30/99	08/30/99	0	07	1		
					2		
					3		
				Average Concentration for Cross Section 07 :			
3NT	08/30/99	08/30/99	0	09	1		
					2		
					3		
				Average Concentration for Cross Section 09 :			
3NT	08/30/99	08/30/99	0	11	1		
					2		
					3		
				Average Concentration for Cross Section 11 :			

Average Concentration for Windrow on Day 0 :

Standard Deviation:

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
3NT	08/30/99	09/08/99	9	03	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 03 :			*1*
3NT	08/30/99	09/08/99	9	05	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 05 :			*1*
3NT	08/30/99	09/08/99	9	07	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 07 :			*1*
3NT	08/30/99	09/08/99	9	09	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 09 :			*1*
3NT	08/30/99	09/08/99	9	11	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 9 : ***1***

Standard Deviation: ***0***

#Error

Windrow Number: M106 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4A26DT	08/30/99	08/30/99	0	03	1		
					2		
					3		
				Average Concentration for Cross Section 03 :			
4A26DT	08/30/99	08/30/99	0	05	1		
					2		
					3		
				Average Concentration for Cross Section 05 :			
4A26DT	08/30/99	08/30/99	0	07	1		
					2		
					3		
				Average Concentration for Cross Section 07 :			
4A26DT	08/30/99	08/30/99	0	09	1		
					2		
					3		
				Average Concentration for Cross Section 09 :			
4A26DT	08/30/99	08/30/99	0	11	1		
					2		
					3		
				Average Concentration for Cross Section 11 :			

Average Concentration for Windrow on Day 0 :

Standard Deviation:

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG	
4A26DT	08/30/99	09/08/99	9	03	1	LT	1	
					2	LT	1	
					3	LT	1	
				Average Concentration for Cross Section 03 :				*1*
4A26DT	08/30/99	09/08/99	9	05	1	LT	1	
					2	LT	1	
					3	LT	1	
				Average Concentration for Cross Section 05 :				*1*
4A26DT	08/30/99	09/08/99	9	07	1	LT	1	
					2	LT	1	
					3	LT	1	
				Average Concentration for Cross Section 07 :				*1*
4A26DT	08/30/99	09/08/99	9	09	1	LT	1	
					2	LT	1	
					3	LT	1	
				Average Concentration for Cross Section 09 :				*1*
4A26DT	08/30/99	09/08/99	9	11	1		0.103 J	
					2	LT	1	
					3	LT	1	
				Average Concentration for Cross Section 11 :				*1*

Average Concentration for Windrow on Day 9 : ***1***

Standard Deviation: ***0***

#Error

Windrow Number: M106 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4NT	08/30/99	08/30/99	0	03	1		
					2		
					3		
				Average Concentration for Cross Section 03 :			
4NT	08/30/99	08/30/99	0	05	1		
					2		
					3		
				Average Concentration for Cross Section 05 :			
4NT	08/30/99	08/30/99	0	07	1		
					2		
					3		
				Average Concentration for Cross Section 07 :			
4NT	08/30/99	08/30/99	0	09	1		
					2		
					3		
				Average Concentration for Cross Section 09 :			
4NT	08/30/99	08/30/99	0	11	1		
					2		
					3		
				Average Concentration for Cross Section 11 :			

Average Concentration for Windrow on Day 0 :

Standard Deviation:

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4NT	08/30/99	09/08/99	9	03	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 03 :			*1*
4NT	08/30/99	09/08/99	9	05	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 05 :			*1*
4NT	08/30/99	09/08/99	9	07	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 07 :			*1*
4NT	08/30/99	09/08/99	9	09	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 09 :			*1*
4NT	08/30/99	09/08/99	9	11	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 9 : ***1***

Standard Deviation: ***0***

#Error

Windrow Number: M106 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	MGKG
HMX	08/30/99	08/30/99	0	03	1		66	
					2	LT	43.7	
					3	LT	47.2	
				Average Concentration for Cross Section 03 :				*52*
HMX	08/30/99	08/30/99	0	05	1		57.2	
					2		49.7	
					3		68.1	
				Average Concentration for Cross Section 05 :				*58*
HMX	08/30/99	08/30/99	0	07	1		55.1	
					2		54.5	
					3		53.8	
				Average Concentration for Cross Section 07 :				*54*
HMX	08/30/99	08/30/99	0	09	1		52.7	
					2		19.2	
					3		52.7	
				Average Concentration for Cross Section 09 :				*42*
HMX	08/30/99	08/30/99	0	11	1		58.9	
					2	LT	49.3	
					3		21.3	
				Average Concentration for Cross Section 11 :				*43*
				Average Concentration for Windrow on Day 0 :				***50***
							Standard Deviation:	***14***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	MGKG
HMX	08/30/99	09/08/99	9	03	1		0.406 J	
					2		2.1	
					3		0.846 J	
				Average Concentration for Cross Section 03 :				*1*
HMX	08/30/99	09/08/99	9	05	1		0.603 J	
					2	LT	1	
					3		2.12	
				Average Concentration for Cross Section 05 :				*1*
HMX	08/30/99	09/08/99	9	07	1		2.09	
					2		2.03	
					3	LT	1	
				Average Concentration for Cross Section 07 :				*2*
HMX	08/30/99	09/08/99	9	09	1		0.469 J	
					2		3.2	
					3		1.64	
				Average Concentration for Cross Section 09 :				*2*
HMX	08/30/99	09/08/99	9	11	1		0.325 J	
					2		1.57	
					3		2.08	
				Average Concentration for Cross Section 11 :				*1*
				Average Concentration for Windrow on Day 9 :				***1***
							Standard Deviation:	***1***

Percent Reduction of HMX: 97.13%

Windrow Number: M106 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
NB	08/30/99	08/30/99	0	03	1		
					2		
					3		
				Average Concentration for Cross Section 03 :			
NB	08/30/99	08/30/99	0	05	1		
					2		
					3		
				Average Concentration for Cross Section 05 :			
NB	08/30/99	08/30/99	0	07	1		
					2		
					3		
				Average Concentration for Cross Section 07 :			
NB	08/30/99	08/30/99	0	09	1		
					2		
					3		
				Average Concentration for Cross Section 09 :			
NB	08/30/99	08/30/99	0	11	1		
					2		
					3		
				Average Concentration for Cross Section 11 :			
					Average Concentration for Windrow on Day 0 :		
						Standard Deviation:	

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
NB	08/30/99	09/08/99	9	03	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 03 :			*1*
NB	08/30/99	09/08/99	9	05	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 05 :			*1*
NB	08/30/99	09/08/99	9	07	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 07 :			*1*
NB	08/30/99	09/08/99	9	09	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 09 :			*1*
NB	08/30/99	09/08/99	9	11	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 11 :			*1*
					Average Concentration for Windrow on Day 9 :		*1*
						Standard Deviation:	*0*

#Error

Windrow Number: M106 *PETN Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration* MGKG
PETN	08/30/99	08/30/99	0	03	1	
					2	
					3	
				Average Concentration for Cross Section 03 :		
PETN	08/30/99	08/30/99	0	05	1	
					2	
					3	
				Average Concentration for Cross Section 05 :		
PETN	08/30/99	08/30/99	0	07	1	
					2	
					3	
				Average Concentration for Cross Section 07 :		
PETN	08/30/99	08/30/99	0	09	1	
					2	
					3	
				Average Concentration for Cross Section 09 :		
PETN	08/30/99	08/30/99	0	11	1	
					2	
					3	
				Average Concentration for Cross Section 11 :		

Average Concentration for Windrow on Day 0 :

Standard Deviation:

Percent Reduction of PETN: %

Windrow Number: M106 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
RDX	08/30/99	08/30/99	0	03	1	203	
					2	189	
					3	197	
				Average Concentration for Cross Section 03 :			*196*
RDX	08/30/99	08/30/99	0	05	1	212	
					2	147	
					3	229	
				Average Concentration for Cross Section 05 :			*196*
RDX	08/30/99	08/30/99	0	07	1	152	
					2	191	
					3	182	
				Average Concentration for Cross Section 07 :			*175*
RDX	08/30/99	08/30/99	0	09	1	148	
					2	55.3	
					3	153	
				Average Concentration for Cross Section 09 :			*119*
RDX	08/30/99	08/30/99	0	11	1	162	
					2	174	
					3	81.3	
				Average Concentration for Cross Section 11 :			*139*
				Average Concentration for Windrow on Day 0 :			***165***
						Standard Deviation:	***47***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
RDX	08/30/99	09/08/99	9	03	1	0.869 J	
					2	5.06	
					3	9.18	
				Average Concentration for Cross Section 03 :			*5*
RDX	08/30/99	09/08/99	9	05	1	0.512 J	
					2	0.593 J	
					3	0.955 J	
				Average Concentration for Cross Section 05 :			*1*
RDX	08/30/99	09/08/99	9	07	1	30.4	
					2	2.01	
					3	2.03	
				Average Concentration for Cross Section 07 :			*11*
RDX	08/30/99	09/08/99	9	09	1	LT 1	
					2	4.74	
					3	0.949 J	
				Average Concentration for Cross Section 09 :			*2*
RDX	08/30/99	09/08/99	9	11	1	0.644 J	
					2	14.3	
					3	3.1	
				Average Concentration for Cross Section 11 :			*6*
				Average Concentration for Windrow on Day 9 :			***5***
						Standard Deviation:	***8***

Percent Reduction of RDX: 96.92%

Windrow Number: M106 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
TETRYL	08/30/99	08/30/99	0	03	1		
					2		
					3		
					Average Concentration for Cross Section 03 :		
TETRYL	08/30/99	08/30/99	0	05	1		
					2	0.637 J	
					3		
					Average Concentration for Cross Section 05 :		*1*
TETRYL	08/30/99	08/30/99	0	07	1		
					2		
					3		
					Average Concentration for Cross Section 07 :		
TETRYL	08/30/99	08/30/99	0	09	1		
					2		
					3		
					Average Concentration for Cross Section 09 :		
TETRYL	08/30/99	08/30/99	0	11	1		
					2		
					3		
					Average Concentration for Cross Section 11 :		
					Average Concentration for Windrow on Day 0 :		***1***
					Standard Deviation:		

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
TETRYL	08/30/99	09/08/99	9	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
TETRYL	08/30/99	09/08/99	9	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
TETRYL	08/30/99	09/08/99	9	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
TETRYL	08/30/99	09/08/99	9	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
TETRYL	08/30/99	09/08/99	9	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 9 :		***1***
					Standard Deviation:		***0***

Percent Reduction of TETRYL: Not Applicable; Sample Results Below Reporting Limit

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-107 Day 0: 09/3/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5670	12	2350	5.275	11605	20.275	19625
2	3.15	5820	12.5	2580	5.275	11605	20.925	20005
3	3.25	5880	12.6	2670	5.275	11605	21.125	20155
4	3	5770	12.7	2290	5.275	11605	20.975	19665
5	3.05	5820	12	2360	5.275	11605	20.325	19785
6	3	5760	12	2440	5.275	11605	20.275	19805
7	3.25	5920	12.75	2890	5.275	11605	21.275	20415
8	3.2	5860	12.7	2770	5.275	11605	21.175	20235
9	3.1	5790	12	2590	5.275	11605	20.375	19985
10	3.1	5800	12	2470	5.275	11605	20.375	19875
11	3	5670	12.1	2510	5.275	11605	20.375	19785
12	3.25	5840	12.25	2600	5.275	11605	20.775	20045
13	3	5780	12	2470	5.275	11605	20.275	19855
14	3.25	5890	12.25	2640	5.275	11605	20.775	20135
15	3	5690	12.5	2810	5.275	11605	20.775	20105
16	3.1	5820	12	2360	5.275	11605	20.375	19785
17	3	5709	12.1	2510	5.275	11605	20.375	19824
18	3	5740	12.1	2490	5.275	11605	20.375	19835
19	3.1	5770	12	2420	5.275	11605	20.375	19795
20	3.1	5810	12.1	2460	5.275	11605	20.475	19875
21	3.15	5870	12.15	2540	5.275	11605	20.575	20015
22	3.2	5910	12.25	2840	5.275	11605	20.725	20355
23	3.1	5790	12.15	2560	5.275	11605	20.525	19955
24	3	5710	12.1	2430	5.275	11605	20.375	19745
25	3.1	5780	12.25	2570	5.275	11605	20.625	19955
26	3	5710	12	2440	5.275	11605	20.275	19755
27	3.1	5740	12.1	2480	5.275	11605	20.475	19825
28	3.15	5860	12.2	2670	5.275	11605	20.625	20135
29	3.1	5750	12.15	2590	5.275	11605	20.525	19945
30	3	5730	12	2440	5.275	11605	20.275	19775
31	3	5710	12.1	2490	5.275	11605	20.375	19805
32	3.15	5840	12.3	2920	5.275	11605	20.725	20365
33	3.1	5760	12.1	2470	5.275	11605	20.475	19835
34	3	5690	12.1	2480	5.275	11605	20.375	19775
35	3.1	5770	12	2410	5.275	11605	20.375	19785
36					5.275	11605	5.275	11605
37					5.275	11605	5.275	11605
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	108.15	202429	426.6	89010	211.00	464200	745.75	755639

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # S 107 PERFORMED BY: Dayhoff

DATE: 9/3/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Produce		STRAW Supplier: Ragy STOLPT		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5670	12	2380				
2	3.15	5820	12.5	2580				
3	3.25	5880	12.60	2670				
4	3	5770	12.70	2790				
5	3.05	5820	12.00	2360				
6	3	5760	12	2440				
7	3.25	5920	12.75	2890				
8	3.20	5860	12.70	2770				
9	3.10	5790	12	2590				
10	3.10	5800	12	2470				
11	3.00	5670	12.10	2510				
12	3.25	5840	12.25	2600				
13	3	5780	12	2470				
14	3.05	5870	12.25	2640				
15	3	5690	12.50	2810				
16	3.10	5820	12	2380				
17	3	5709	12.10	2510				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 107 PERFORMED BY: Howard

DATE: 9 13 199 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5740	12.10	2490				
2	3.10	5770	12	2420				
3	3.10	5810	12.10	2460				
4	3.15	5870	12.15	2540				
5	3.20	5910	12.25	2540				
6	3.10	5790	12.15	2560				
7	3	5710	12.10	2430				
8	3.10	5780	12.25	2570				
9	3	5710	12	2440				
10	3.10	5740	12.10	2480				
11	3.15	5860	12.20	2670				
12	3.10	5750	12.15	2590				
13	3	5730	12	2440				
14	3	5710	12.10	2490				
15	3.15	5840	12.30	2920				
16	3.10	5760	12.10	2470				
17	3	5690	12.10	2480				
18	3.10	5770	12	2410				
19								
tal								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S107	9/3/99	9/3/99	0		37.13
		9/4/99	1	53.13	46.87
		9/5/99	2	66.03	55.13
		9/7/99	4	67.50	61.23
		9/8/99	5	66.37	61.00
		9/9/99	6	66.73	62.77

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S107	9/3/99	9/3/99	0		8.97
		9/4/99	1	0.00	
		9/5/99	2	6.13	8.67
		9/7/99	4	12.03	3.03
		9/8/99	5	10.87	9.13
		9/9/99	6	6.60	12.63

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S107	9/3/99	9/3/99	0		46.12
		9/4/99	1		45.12
		9/7/99	4		43.42
		9/8/99	5		48.22

All average MWHC values are expressed in percent

Windrow Number: S107 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
135TNB	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
135TNB	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
135TNB	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
135TNB	09/03/99	09/03/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
135TNB	09/03/99	09/03/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 0 :			*1*
				Standard Deviation:			*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
135TNB	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
135TNB	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3		0.348 J
				Average Concentration for Cross Section 05 :			*1*
135TNB	09/03/99	09/10/99	7	07	1	LT	1
					2		0.157 J
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
135TNB	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
135TNB	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 7 :			*1*
				Standard Deviation:			*0*

Percent Reduction of 135TNB: 9.97%

Windrow Number: S107 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
13DNB	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
13DNB	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
13DNB	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
13DNB	09/03/99	09/03/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
13DNB	09/03/99	09/03/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 0 :		***1***
					Standard Deviation:		***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
13DNB	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
13DNB	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
13DNB	09/03/99	09/10/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
13DNB	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
13DNB	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 7 :		***1***
					Standard Deviation:		***0***

Percent Reduction of 13DNB: 0.00%

Windrow Number: S107 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
246TNT	09/03/99	09/03/99	0	03	1	1.05	
					2	1.79	
					3	1.43	
					Average Concentration for Cross Section 03 :		*1*
246TNT	09/03/99	09/03/99	0	05	1	0.685 J	
					2	LT 1	
					3	0.928 J	
					Average Concentration for Cross Section 05 :		*1*
246TNT	09/03/99	09/03/99	0	07	1	0.551 J	
					2	0.605 J	
					3	1.37	
					Average Concentration for Cross Section 07 :		*1*
246TNT	09/03/99	09/03/99	0	09	1	0.366 J	
					2	0.63 J	
					3	0.282 J	
					Average Concentration for Cross Section 09 :		*0*
246TNT	09/03/99	09/03/99	0	11	1	1.61	
					2	0.242 J	
					3	0.392 J	
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 0 :		***1***
						Standard Deviation:	***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
246TNT	09/03/99	09/10/99	7	03	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 03 :		*1*
246TNT	09/03/99	09/10/99	7	05	1	LT 1	
					2	LT 1	
					3	0.426 J	
					Average Concentration for Cross Section 05 :		*1*
246TNT	09/03/99	09/10/99	7	07	1	LT 1	
					2	0.271 J	
					3	LT 1	
					Average Concentration for Cross Section 07 :		*1*
246TNT	09/03/99	09/10/99	7	09	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 09 :		*1*
246TNT	09/03/99	09/10/99	7	11	1	LT 1	
					2	LT 1	
					3	LT 1	
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 7 :		***1***
						Standard Deviation:	***0***

Percent Reduction of 246TNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S107 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
24DNT	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
24DNT	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
24DNT	09/03/99	09/03/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
24DNT	09/03/99	09/03/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
24DNT	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
24DNT	09/03/99	09/10/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
24DNT	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
24DNT	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of 24DNT: 0.00%

Windrow Number: S107 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
26DNT	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1.5
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
26DNT	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
26DNT	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1.5
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
26DNT	09/03/99	09/03/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
26DNT	09/03/99	09/03/99	0	11	1	LT	1
					2	LT	1
					3	LT	3
				Average Concentration for Cross Section 11 :			*2*
				Average Concentration for Windrow on Day 0 :			*1*
				Standard Deviation:			*1*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
26DNT	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
26DNT	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
26DNT	09/03/99	09/10/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
26DNT	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
26DNT	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 7 :			*1*
				Standard Deviation:			*0*

Percent Reduction of 26DNT: 16.67%

Windrow Number: S107 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2A46DT	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1
					3		0.312 J
				Average Concentration for Cross Section 03 :			*1*
2A46DT	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3		0.271 J
				Average Concentration for Cross Section 05 :			*1*
2A46DT	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2A46DT	09/03/99	09/03/99	0	09	1	LT	1
					2		0.153 J
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2A46DT	09/03/99	09/03/99	0	11	1		0.141 J
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
					Average Concentration for Windrow on Day 0 :		***1***
						Standard Deviation:	***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2A46DT	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2A46DT	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2A46DT	09/03/99	09/10/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2A46DT	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2A46DT	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
					Average Concentration for Windrow on Day 7 :		***1***
						Standard Deviation:	***0***

Percent Reduction of 2A46DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S107 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2NT	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2NT	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2NT	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2NT	09/03/99	09/03/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2NT	09/03/99	09/03/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 0 :			***1***
						Standard Deviation:	***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
2NT	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2NT	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2NT	09/03/99	09/10/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2NT	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2NT	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 7 :			***1***
						Standard Deviation:	***0***

Percent Reduction of 2NT: 0.00%

Windrow Number: S107 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
3NT	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
3NT	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
3NT	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
3NT	09/03/99	09/03/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
3NT	09/03/99	09/03/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 0 :			***1***
						Standard Deviation:	***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
3NT	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
3NT	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
3NT	09/03/99	09/10/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
3NT	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
3NT	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 7 :			***1***
						Standard Deviation:	***0***

Percent Reduction of 3NT: 0.00%

Windrow Number: S107 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4A26DT	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1
					3	0.536 J	
				Average Concentration for Cross Section 03 :			*1*
4A26DT	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3	0.35 J	
				Average Concentration for Cross Section 05 :			*1*
4A26DT	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
4A26DT	09/03/99	09/03/99	0	09	1	LT	1
					2	0.158 J	
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
4A26DT	09/03/99	09/03/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 0 :			*1*
						Standard Deviation:	*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4A26DT	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
4A26DT	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
4A26DT	09/03/99	09/10/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
4A26DT	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
4A26DT	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 7 :			*1*
						Standard Deviation:	*0*

Percent Reduction of 4A26DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S107 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4NT	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
4NT	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
4NT	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
4NT	09/03/99	09/03/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
4NT	09/03/99	09/03/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 0 :		***1***
						Standard Deviation:	***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
4NT	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
4NT	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
4NT	09/03/99	09/10/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
4NT	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
4NT	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*
					Average Concentration for Windrow on Day 7 :		***1***
						Standard Deviation:	***0***

Percent Reduction of 4NT: 0.00%

Windrow Number: S107 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
HMX	09/03/99	09/03/99	0	03	1	23.4	
					2	23	
					3	18.2	
					Average Concentration for Cross Section 03 :		*22*
HMX	09/03/99	09/03/99	0	05	1	7.4	
					2	0.693 J	
					3	10.5	
					Average Concentration for Cross Section 05 :		*6*
HMX	09/03/99	09/03/99	0	07	1	4.75	
					2	4.23	
					3	9.82	
					Average Concentration for Cross Section 07 :		*6*
HMX	09/03/99	09/03/99	0	09	1	4.79	
					2	5.5	
					3	4.42	
					Average Concentration for Cross Section 09 :		*5*
HMX	09/03/99	09/03/99	0	11	1	12.3	
					2	4.48	
					3	7.83	
					Average Concentration for Cross Section 11 :		*8*
					Average Concentration for Windrow on Day 0 :		*9*
					Standard Deviation:		*7*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
HMX	09/03/99	09/10/99	7	03	1	1.31	
					2	1.23	
					3	3.09	
					Average Concentration for Cross Section 03 :		*2*
HMX	09/03/99	09/10/99	7	05	1	0.837 J	
					2	0.361 J	
					3	2.9	
					Average Concentration for Cross Section 05 :		*1*
HMX	09/03/99	09/10/99	7	07	1	0.682 J	
					2	0.633 J	
					3	5.76	
					Average Concentration for Cross Section 07 :		*2*
HMX	09/03/99	09/10/99	7	09	1	1	
					2	0.838 J	
					3	1.42	
					Average Concentration for Cross Section 09 :		*1*
HMX	09/03/99	09/10/99	7	11	1	0.873 J	
					2	2.28	
					3	1.57	
					Average Concentration for Cross Section 11 :		*2*
					Average Concentration for Windrow on Day 7 :		*2*
					Standard Deviation:		*1*

Percent Reduction of HMX: 82.46%

Windrow Number: S107 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
NB	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
NB	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
NB	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
NB	09/03/99	09/03/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
NB	09/03/99	09/03/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
NB	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 03 :		*1*
NB	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 05 :		*1*
NB	09/03/99	09/10/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 07 :		*1*
NB	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 09 :		*1*
NB	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
					Average Concentration for Cross Section 11 :		*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of NB: 0.00%

Windrow Number: S107 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
RDX	09/03/99	09/03/99	0	03	1	127	
					2	115	
					3	102	
					Average Concentration for Cross Section 03 :		*115*
RDX	09/03/99	09/03/99	0	05	1	27.1	
					2	5.62	
					3	65	
					Average Concentration for Cross Section 05 :		*33*
RDX	09/03/99	09/03/99	0	07	1	56.4	
					2	33.6	
					3	52.4	
					Average Concentration for Cross Section 07 :		*47*
RDX	09/03/99	09/03/99	0	09	1	39.3	
					2	47.1	
					3	18.2	
					Average Concentration for Cross Section 09 :		*35*
RDX	09/03/99	09/03/99	0	11	1	90.5	
					2	14.2	
					3	47.3	
					Average Concentration for Cross Section 11 :		*51*
					Average Concentration for Windrow on Day 0 :		*56*
					Standard Deviation:		*37*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
RDX	09/03/99	09/10/99	7	03	1	0.475 J	
					2	8.61	
					3	11.6	
					Average Concentration for Cross Section 03 :		*7*
RDX	09/03/99	09/10/99	7	05	1	0.64 J	
					2	1.84	
					3	14.6	
					Average Concentration for Cross Section 05 :		*6*
RDX	09/03/99	09/10/99	7	07	1	0.277 J	
					2	0.146 J	
					3	63.9	
					Average Concentration for Cross Section 07 :		*21*
RDX	09/03/99	09/10/99	7	09	1	1	
					2	0.697 J	
					3	1.38	
					Average Concentration for Cross Section 09 :		*1*
RDX	09/03/99	09/10/99	7	11	1	0.187 J	
					2	3.05	
					3	4	
					Average Concentration for Cross Section 11 :		*2*
					Average Concentration for Windrow on Day 7 :		*7*
					Standard Deviation:		*16*

Percent Reduction of RDX: 86.63%

Windrow Number: S107 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
TETRYL	09/03/99	09/03/99	0	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
TETRYL	09/03/99	09/03/99	0	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
TETRYL	09/03/99	09/03/99	0	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
TETRYL	09/03/99	09/03/99	0	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
TETRYL	09/03/99	09/03/99	0	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 0 : ***1***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
TETRYL	09/03/99	09/10/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
TETRYL	09/03/99	09/10/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
TETRYL	09/03/99	09/10/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
TETRYL	09/03/99	09/10/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
TETRYL	09/03/99	09/10/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of TETRYL: 0.00%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-108 Day 0: 09/14/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.2	2620	5.275	11605	20.575	20015
2	3.1	5750	12.1	2470	5.275	11605	20.475	19825
3	3.1	5720	12	2410	5.275	11605	20.375	19735
4	3.1	5740	12.15	2560	5.275	11605	20.525	19905
5	3.15	5810	12.1	2490	5.275	11605	20.525	19905
6	3.1	5730	12.15	2590	5.275	11605	20.525	19925
7	3.15	5820	12.1	2460	5.275	11605	20.525	19885
8	3.1	5780	12.1	2420	5.275	11605	20.475	19805
9	3	5710	12.1	2450	5.275	11605	20.375	19765
10	3.15	5820	12.15	2570	5.275	11605	20.575	19995
11	3.1	5740	12.1	2480	5.275	11605	20.475	19825
12	3.1	5780	12	2410	5.275	11605	20.375	19795
13	3.15	5810	12.1	2470	5.275	11605	20.525	19885
14	3	5720	12.1	2490	5.275	11605	20.375	19815
15	3.1	5760	12.1	2430	5.275	11605	20.475	19795
16	3.1	5790	12	2410	5.275	11605	20.375	19805
17	3.15	5840	12.1	2470	5.275	11605	20.525	19915
18	3.15	5850	12.15	2590	5.275	11605	20.575	20045
19	3.1	5730	12.15	2590	5.275	11605	20.525	19925
20	3.1	5780	12.1	2430	5.275	11605	20.475	19815
21	3	5680	12.1	2460	5.275	11605	20.375	19745
22	3.1	5760	12.15	2540	5.275	11605	20.525	19905
23	3.1	5740	12.1	2490	5.275	11605	20.475	19835
24	3	5710	12.1	2470	5.275	11605	20.375	19785
25	2.5	5640	12.1	2440	5.275	11605	19.875	19685
26	3	5680	12.1	2440	5.275	11605	20.375	19725
27	3	5740	12.15	2570	5.275	11605	20.425	19915
28	3.1	5770	12	2400	5.275	11605	20.375	19775
29	3.2	5820	12.3	2610	5.275	11605	20.775	20035
30	3	5720	12.4	2670	5.275	11605	20.675	19995
31	3.25	5840	12	2380	5.275	11605	20.525	19825
32	3	5680	12	2420	5.275	11605	20.275	19705
33	3.15	5790	12	2380	5.275	11605	20.425	19775
34	3	5740	12.4	2690	5.275	11605	20.675	20035
35	3.2	5820	12	2710	5.275	11605	20.475	20135
36	3.3	5910	12	2420	5.275	11605	20.575	19935
37	3	5720	12	2390	5.275	11605	5.275	11605
38	3.25	5850	12	2460	5.275	11605	5.275	11605
39	3.5	5980	12.25	2590	5.275	11605	5.275	11605
40	2.95	5560	11.75	2360	5.275	11605	5.275	11605
41								
42								
43								
Total	123.7	230620	483.95	99700	211.00	464200	757.95	761610

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-108 Day 0: 09/14/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.2	2620	5.275	11605	20.575	20015
2	3.1	5750	12.1	2470	5.275	11605	20.475	19825
3	3.1	5720	12	2410	5.275	11605	20.375	19735
4	3.1	5740	12.15	2560	5.275	11605	20.525	19905
5	3.15	5810	12.1	2490	5.275	11605	20.525	19905
6	3.1	5730	12.15	2590	5.275	11605	20.525	19925
7	3.15	5820	12.1	2460	5.275	11605	20.525	19885
8	3.1	5780	12.1	2420	5.275	11605	20.475	19805
9	3	5710	12.1	2450	5.275	11605	20.375	19765
10	3.15	5820	12.15	2570	5.275	11605	20.575	19995
11	3.1	5740	12.1	2480	5.275	11605	20.475	19825
12	3.1	5780	12	2410	5.275	11605	20.375	19795
13	3.15	5810	12.1	2470	5.275	11605	20.525	19885
14	3	5720	12.1	2490	5.275	11605	20.375	19815
15	3.1	5760	12.1	2430	5.275	11605	20.475	19795
16	3.1	5790	12	2410	5.275	11605	20.375	19805
17	3.15	5840	12.1	2470	5.275	11605	20.525	19915
18	3.15	5850	12.15	2590	5.275	11605	20.575	20045
19	3.1	5730	12.15	2590	5.275	11605	20.525	19925
20	3.1	5780	12.1	2430	5.275	11605	20.475	19815
21	3	5680	12.1	2460	5.275	11605	20.375	19745
22	3.1	5760	12.15	2540	5.275	11605	20.525	19905
23	3.1	5740	12.1	2490	5.275	11605	20.475	19835
24	3	5710	12.1	2470	5.275	11605	20.375	19785
25	2.5	5640	12.1	2440	5.275	11605	19.875	19685
26	3	5680	12.1	2440	5.275	11605	20.375	19725
27	3	5740	12.15	2570	5.275	11605	20.425	19915
28	3.1	5770	12	2400	5.275	11605	20.375	19775
29	3.2	5820	12.3	2610	5.275	11605	20.775	20035
30	3	5720	12.4	2670	5.275	11605	20.675	19995
31	3.25	5840	12	2380	5.275	11605	20.525	19825
32	3	5680	12	2420	5.275	11605	20.275	19705
33	3.15	5790	12	2380	5.275	11605	20.425	19775
34	3	5740	12.4	2690	5.275	11605	20.675	20035
35	3.2	5820	12	2710	5.275	11605	20.475	20135
36	3.3	5910	12	2420	5.275	11605	20.575	19935
37	3	5720	12	2390	5.275	11605	5.275	11605
38	3.25	5850	12	2460	5.275	11605	5.275	11605
39	3.5	5980	12.25	2590	5.275	11605	5.275	11605
40	2.95	5560	11.75	2360	5.275	11605	5.275	11605
41								
42								
43								
Total	123.7	230620	483.95	99700	211.00	464200	757.95	761610

2135b

S.D.

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 108 PERFORMED BY: Howard

DATE: 9/14/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.20	2620				
2	3.10	5750	12.10	2470				
3	3.10	5720	12	2410				
4	3.10	5740	12.15	2580				
5	3.15	5816	12.10	2490				
6	3.10	5730	12.15	2590				
7	3.15	5820	12.10	2460				
8	3.10	5780	12.10	2420				
9	3	5710	12.10	2450				
10	3.15	5820	12.15	2570				
11	3.10	5740	12.10	2480				
12	3.10	5780	12	2410				
13	3.15	5810	12.10	2470				
14	3	5720	12.10	2490				
15	3.10	5760	12.10	2430				
16	3.10	5790	12	2410				
17	3.15	5840	12.10	2470				
18	3.15	5850	12.15	2590				
19	3.10	5730	12.15	2550				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 108 PERFORMED BY: Howard

DATE: 9 11 199 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5780	12.10	2430				
21	3	5680	12.10	2460				
22	3.10	5760	12.15	2540				
23	3.10	5740	12.10	2490				
24	3	5710	12.10	2470				
25	3.50	5640	12.10	2440				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 108 PERFORMED BY: Payloff & Jus

DATE: 9/14/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5680	12.10	2440				
2	3	5740	12.15	2570				
3	3.10	5770	12	2400				
4	3.20	5820	12.80	2610				
5	3	5720	12.40	2670				
6	3.25	5840	12	2380				
7	3	5680	12	2420				
8	3.15	5790	12	2380				
9	3	5740	12.40	2490				
10	3.20	5820	12	2416				
11	3.30	5910	12	2420				
12	3	5720	12	2390				
13	3.25	5850	12	2410				
14	3.50	5980	12.25	2570				
15	2.95	5560	11.75	2360				
16								
17								
18								
19								
tal								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S108	9/14/99	9/14/99	0		29.63
		9/15/99	1	43.73	42.33
		9/16/99	2	55.50	48.00
		9/17/99	3	60.13	51.97
		9/18/99	4	63.20	56.43
		9/19/99	5	64.07	60.40
		9/20/99	6	66.23	61.43
		9/21/99	7	67.73	62.93

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S108	9/14/99	9/14/99	0		19.93
		9/15/99	1	5.60	7.70
		9/16/99	2	6.30	10.30
		9/17/99	3	9.10	14.00
		9/18/99	4	6.77	10.83
		9/19/99	5	7.27	9.13
		9/20/99	6	10.93	11.53
		9/21/99	7	7.57	9.60

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S108	9/14/99	9/14/99	0		43.36
		9/15/99	1		54.04
		9/17/99	3		44.36
		9/18/99	4		44.94
		9/20/99	6		43.96

All average MWHC values are expressed in percent

Windrow Number: S108 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	09/14/99	09/14/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
135TNB	09/14/99	09/14/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
135TNB	09/14/99	09/14/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
135TNB	09/14/99	09/14/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
135TNB	09/14/99	09/14/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	09/14/99	09/21/99	7	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
135TNB	09/14/99	09/21/99	7	05	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
135TNB	09/14/99	09/21/99	7	07	1	LT	250
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 07 :			*231*
135TNB	09/14/99	09/21/99	7	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
135TNB	09/14/99	09/21/99	7	11	1	LT	227
					2	LT	250
					3	LT	217
				Average Concentration for Cross Section 11 :			*231*

Average Concentration for Windrow on Day 7 : 235

Standard Deviation: 11

Percent Reduction of 135TNB: 5.81%

Windrow Number: S108 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	09/14/99	09/14/99	0	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
13DNB	09/14/99	09/14/99	0	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
13DNB	09/14/99	09/14/99	0	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
13DNB	09/14/99	09/14/99	0	09	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*250*
13DNB	09/14/99	09/14/99	0	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	09/14/99	09/21/99	7	03	1	LT	250	
					2	LT	227	
					3	LT	227	
					Average Concentration for Cross Section 03 :			*235*
13DNB	09/14/99	09/21/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 05 :			*242*
13DNB	09/14/99	09/21/99	7	07	1	LT	250	
					2	LT	217	
					3	LT	227	
					Average Concentration for Cross Section 07 :			*231*
13DNB	09/14/99	09/21/99	7	09	1	LT	238	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*238*
13DNB	09/14/99	09/21/99	7	11	1	LT	227	
					2	LT	250	
					3	LT	217	
					Average Concentration for Cross Section 11 :			*231*

Average Concentration for Windrow on Day 7 : 235

Standard Deviation: 11

Percent Reduction of 13DNB: 5.81%

Windrow Number: S108 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	09/14/99	09/14/99	0	03	1	LT 250	
					2	340	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*280*
246TNT	09/14/99	09/14/99	0	05	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*250*
246TNT	09/14/99	09/14/99	0	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
246TNT	09/14/99	09/14/99	0	09	1	LT 250	
					2	LT 250	
					3	782	
				Average Concentration for Cross Section 09 :			*427*
246TNT	09/14/99	09/14/99	0	11	1	267	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*256*

Average Concentration for Windrow on Day 0 : 293

Standard Deviation: 137

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	09/14/99	09/21/99	7	03	1	LT 250	
					2	LT 227	
					3	LT 227	
				Average Concentration for Cross Section 03 :			*235*
246TNT	09/14/99	09/21/99	7	05	1	LT 238	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 05 :			*242*
246TNT	09/14/99	09/21/99	7	07	1	LT 250	
					2	LT 217	
					3	LT 227	
				Average Concentration for Cross Section 07 :			*231*
246TNT	09/14/99	09/21/99	7	09	1	LT 238	
					2	LT 238	
					3	LT 238	
				Average Concentration for Cross Section 09 :			*238*
246TNT	09/14/99	09/21/99	7	11	1	LT 227	
					2	LT 250	
					3	221	
				Average Concentration for Cross Section 11 :			*233*

Average Concentration for Windrow on Day 7 : 236

Standard Deviation: 11

Percent Reduction of 246TNT: 19.43%

Windrow Number: S108 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	09/14/99	09/14/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
24DNT	09/14/99	09/14/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
24DNT	09/14/99	09/14/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
24DNT	09/14/99	09/14/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
24DNT	09/14/99	09/14/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	09/14/99	09/21/99	7	03	1	LT	250
					2	LT	227
					3	LT	227
					Average Concentration for Cross Section 03 :		*235*
24DNT	09/14/99	09/21/99	7	05	1	LT	238
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 05 :		*242*
24DNT	09/14/99	09/21/99	7	07	1	LT	250
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 07 :		*231*
24DNT	09/14/99	09/21/99	7	09	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 09 :		*238*
24DNT	09/14/99	09/21/99	7	11	1	LT	227
					2	LT	250
					3	LT	217
					Average Concentration for Cross Section 11 :		*231*

Average Concentration for Windrow on Day 7 : 235

Standard Deviation: 11

Percent Reduction of 24DNT: 5.81%

Windrow Number: S108 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	09/14/99	09/14/99	0	03	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*260*
26DNT	09/14/99	09/14/99	0	05	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 05 :			*260*
26DNT	09/14/99	09/14/99	0	07	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 07 :			*260*
26DNT	09/14/99	09/14/99	0	09	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 09 :			*260*
26DNT	09/14/99	09/14/99	0	11	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 0 : 260

Standard Deviation: 0

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	09/14/99	09/21/99	7	03	1	LT	260
					2	LT	236
					3	LT	236
				Average Concentration for Cross Section 03 :			*244*
26DNT	09/14/99	09/21/99	7	05	1	LT	248
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 05 :			*252*
26DNT	09/14/99	09/21/99	7	07	1	LT	260
					2	LT	226
					3	LT	236
				Average Concentration for Cross Section 07 :			*241*
26DNT	09/14/99	09/21/99	7	09	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 09 :			*248*
26DNT	09/14/99	09/21/99	7	11	1	LT	236
					2	LT	260
					3	LT	226
				Average Concentration for Cross Section 11 :			*241*

Average Concentration for Windrow on Day 7 : 245

Standard Deviation: 12

Percent Reduction of 26DNT: 5.74%

Windrow Number: S108 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	09/14/99	09/14/99	0	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
2A46DT	09/14/99	09/14/99	0	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
2A46DT	09/14/99	09/14/99	0	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
2A46DT	09/14/99	09/14/99	0	09	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*250*
2A46DT	09/14/99	09/14/99	0	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*250*
					Average Concentration for Windrow on Day 0 :			***250***
					Standard Deviation:			***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	09/14/99	09/21/99	7	03	1	LT	250	
					2	LT	227	
					3	LT	227	
					Average Concentration for Cross Section 03 :			*235*
2A46DT	09/14/99	09/21/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 05 :			*242*
2A46DT	09/14/99	09/21/99	7	07	1	LT	250	
					2	LT	217	
					3	LT	227	
					Average Concentration for Cross Section 07 :			*231*
2A46DT	09/14/99	09/21/99	7	09	1	LT	238	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*238*
2A46DT	09/14/99	09/21/99	7	11	1	LT	227	
					2	LT	250	
					3	LT	217	
					Average Concentration for Cross Section 11 :			*231*
					Average Concentration for Windrow on Day 7 :			***235***
					Standard Deviation:			***11***

Percent Reduction of 2A46DT: 5.81%

Windrow Number: S108 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/14/99	09/14/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
2NT	09/14/99	09/14/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
2NT	09/14/99	09/14/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2NT	09/14/99	09/14/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
2NT	09/14/99	09/14/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/14/99	09/21/99	7	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
2NT	09/14/99	09/21/99	7	05	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
2NT	09/14/99	09/21/99	7	07	1	LT	250
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 07 :			*231*
2NT	09/14/99	09/21/99	7	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
2NT	09/14/99	09/21/99	7	11	1	LT	227
					2	LT	250
					3	LT	217
				Average Concentration for Cross Section 11 :			*231*

Average Concentration for Windrow on Day 7 : 235

Standard Deviation: 11

Percent Reduction of 2NT: 5.81%

Windrow Number: S108 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/14/99	09/14/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
3NT	09/14/99	09/14/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
3NT	09/14/99	09/14/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
3NT	09/14/99	09/14/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
3NT	09/14/99	09/14/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/14/99	09/21/99	7	03	1	LT	250
					2	LT	227
					3	LT	227
					Average Concentration for Cross Section 03 :		*235*
3NT	09/14/99	09/21/99	7	05	1	LT	238
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 05 :		*242*
3NT	09/14/99	09/21/99	7	07	1	LT	250
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 07 :		*231*
3NT	09/14/99	09/21/99	7	09	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 09 :		*238*
3NT	09/14/99	09/21/99	7	11	1	LT	227
					2	LT	250
					3	LT	217
					Average Concentration for Cross Section 11 :		*231*

Average Concentration for Windrow on Day 7 : 235

Standard Deviation: 11

Percent Reduction of 3NT: 5.81%

Windrow Number: S108 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/14/99	09/14/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
4A26DT	09/14/99	09/14/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
4A26DT	09/14/99	09/14/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
4A26DT	09/14/99	09/14/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
4A26DT	09/14/99	09/14/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/14/99	09/21/99	7	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
4A26DT	09/14/99	09/21/99	7	05	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
4A26DT	09/14/99	09/21/99	7	07	1	LT	250
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 07 :			*231*
4A26DT	09/14/99	09/21/99	7	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
4A26DT	09/14/99	09/21/99	7	11	1	LT	227
					2	LT	250
					3	LT	217
				Average Concentration for Cross Section 11 :			*231*

Average Concentration for Windrow on Day 7 : 235

Standard Deviation: 11

Percent Reduction of 4A26DT: 5.81%

Windrow Number: S108 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/14/99	09/14/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
4NT	09/14/99	09/14/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
4NT	09/14/99	09/14/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
4NT	09/14/99	09/14/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
4NT	09/14/99	09/14/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/14/99	09/21/99	7	03	1	LT	250
					2	LT	227
					3	LT	227
					Average Concentration for Cross Section 03 :		*235*
4NT	09/14/99	09/21/99	7	05	1	LT	238
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 05 :		*242*
4NT	09/14/99	09/21/99	7	07	1	LT	250
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 07 :		*231*
4NT	09/14/99	09/21/99	7	09	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 09 :		*238*
4NT	09/14/99	09/21/99	7	11	1	LT	227
					2	LT	250
					3	LT	217
					Average Concentration for Cross Section 11 :		*231*

Average Concentration for Windrow on Day 7 : 235

Standard Deviation: 11

Percent Reduction of 4NT: 5.81%

Windrow Number: S108 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	09/14/99	09/14/99	0	03	1	2040 J	
					2	LT 2200	
					3	51300	
					Average Concentration for Cross Section 03 :		*18513*
HMX	09/14/99	09/14/99	0	05	1	22300	
					2	6940	
					3	7090	
					Average Concentration for Cross Section 05 :		*12110*
HMX	09/14/99	09/14/99	0	07	1	19800	
					2	3490	
					3	12900	
					Average Concentration for Cross Section 07 :		*12063*
HMX	09/14/99	09/14/99	0	09	1	9520	
					2	11100	
					3	32200	
					Average Concentration for Cross Section 09 :		*17607*
HMX	09/14/99	09/14/99	0	11	1	4480	
					2	4140	
					3	2620	
					Average Concentration for Cross Section 11 :		*3747*

Average Concentration for Windrow on Day 0 : 12808

Standard Deviation: 13735

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	09/14/99	09/21/99	7	03	1	LT 2200	
					2	LT 2000	
					3	2060	
					Average Concentration for Cross Section 03 :		*2087*
HMX	09/14/99	09/21/99	7	05	1	LT 2100	
					2	1250 J	
					3	LT 2100	
					Average Concentration for Cross Section 05 :		*1817*
HMX	09/14/99	09/21/99	7	07	1	LT 2200	
					2	LT 1910	
					3	1380 J	
					Average Concentration for Cross Section 07 :		*1830*
HMX	09/14/99	09/21/99	7	09	1	1920 J	
					2	1670 J	
					3	LT 2100	
					Average Concentration for Cross Section 09 :		*1897*
HMX	09/14/99	09/21/99	7	11	1	LT 2000	
					2	LT 2200	
					3	LT 1910	
					Average Concentration for Cross Section 11 :		*2037*

Average Concentration for Windrow on Day 7 : 1933

Standard Deviation: 289

Percent Reduction of HMX: 84.91%

Windrow Number: S108 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	09/14/99	09/14/99	0	03	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 03 :			*260*
NB	09/14/99	09/14/99	0	05	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 05 :			*260*
NB	09/14/99	09/14/99	0	07	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 07 :			*260*
NB	09/14/99	09/14/99	0	09	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 09 :			*260*
NB	09/14/99	09/14/99	0	11	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 11 :			*260*
					Average Concentration for Windrow on Day 0 :			***260***
					Standard Deviation:			***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	09/14/99	09/21/99	7	03	1	LT	260	
					2	LT	236	
					3	LT	236	
					Average Concentration for Cross Section 03 :			*244*
NB	09/14/99	09/21/99	7	05	1	LT	248	
					2	LT	260	
					3	LT	248	
					Average Concentration for Cross Section 05 :			*252*
NB	09/14/99	09/21/99	7	07	1	LT	260	
					2	LT	226	
					3	LT	236	
					Average Concentration for Cross Section 07 :			*241*
NB	09/14/99	09/21/99	7	09	1	LT	248	
					2	LT	248	
					3	LT	248	
					Average Concentration for Cross Section 09 :			*248*
NB	09/14/99	09/21/99	7	11	1	LT	236	
					2	LT	260	
					3	LT	226	
					Average Concentration for Cross Section 11 :			*241*
					Average Concentration for Windrow on Day 7 :			***245***
					Standard Deviation:			***12***

Percent Reduction of NB: 5.74%

Windrow Number: S108 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/14/99	09/14/99	0	03	1	GT	27000	E
					2		16000	
					3	GT	278000	E
					Average Concentration for Cross Section 03 :			*107000*
RDX	09/14/99	09/14/99	0	05	1	GT	105000	E
					2	GT	37200	E
					3	GT	39600	E
					Average Concentration for Cross Section 05 :			*60600*
RDX	09/14/99	09/14/99	0	07	1	GT	99500	E
					2		23600	
					3	GT	57000	E
					Average Concentration for Cross Section 07 :			*60033*
RDX	09/14/99	09/14/99	0	09	1	GT	60900	E
					2	GT	73100	E
					3	GT	218000	E
					Average Concentration for Cross Section 09 :			*117333*
RDX	09/14/99	09/14/99	0	11	1	GT	42000	E
					2		13600	
					3		22300	
					Average Concentration for Cross Section 11 :			*25967*

Average Concentration for Windrow on Day 0 : 74187

Standard Deviation: 76728

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/14/99	09/21/99	7	03	1	LT	1000	
					2	LT	909	
					3	LT	909	
					Average Concentration for Cross Section 03 :			*939*
RDX	09/14/99	09/21/99	7	05	1	LT	952	
					2		1060	
					3	LT	952	
					Average Concentration for Cross Section 05 :			*988*
RDX	09/14/99	09/21/99	7	07	1	LT	1000	
					2	LT	870	
					3	LT	909	
					Average Concentration for Cross Section 07 :			*926*
RDX	09/14/99	09/21/99	7	09	1	LT	952	
					2	LT	952	
					3	LT	952	
					Average Concentration for Cross Section 09 :			*952*
RDX	09/14/99	09/21/99	7	11	1	LT	909	
					2	LT	1000	
					3	LT	870	
					Average Concentration for Cross Section 11 :			*926*

Average Concentration for Windrow on Day 7 : 946

Standard Deviation: 53

Percent Reduction of RDX: 98.72%

Windrow Number: S108 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	09/14/99	09/14/99	0	03	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 03 :		*650*
TETRYL	09/14/99	09/14/99	0	05	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 05 :		*650*
TETRYL	09/14/99	09/14/99	0	07	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 07 :		*650*
TETRYL	09/14/99	09/14/99	0	09	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 09 :		*650*
TETRYL	09/14/99	09/14/99	0	11	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 11 :		*650*

Average Concentration for Windrow on Day 0 : 650

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	09/14/99	09/21/99	7	03	1	LT	650
					2	LT	591
					3	LT	591
					Average Concentration for Cross Section 03 :		*611*
TETRYL	09/14/99	09/21/99	7	05	1	LT	619
					2	LT	650
					3	LT	619
					Average Concentration for Cross Section 05 :		*629*
TETRYL	09/14/99	09/21/99	7	07	1	LT	650
					2	LT	565
					3	LT	591
					Average Concentration for Cross Section 07 :		*602*
TETRYL	09/14/99	09/21/99	7	09	1	LT	619
					2	LT	619
					3	LT	619
					Average Concentration for Cross Section 09 :		*619*
TETRYL	09/14/99	09/21/99	7	11	1	LT	591
					2	LT	650
					3	LT	565
					Average Concentration for Cross Section 11 :		*602*

Average Concentration for Windrow on Day 7 : 613

Standard Deviation: 30

Percent Reduction of TETRYL: 5.75%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-109 Day 0: 09/16/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5740	12.1	2480	5.275	11605	20.475	19825
2	3	5710	12.1	2450	5.275	11605	20.375	19765
3	3.2	6130	12.15	2530	5.275	11605	20.625	20265
4	3	5750	12	2440	5.275	11605	20.275	19795
5	3.15	5830	12.1	2460	5.275	11605	20.525	19895
6	3.15	5810	12.15	2570	5.275	11605	20.575	19985
7	3.1	5720	12.15	2550	5.275	11605	20.525	19875
8	3	5700	12.1	2480	5.275	11605	20.375	19785
9	3	5710	12.25	2720	5.275	11605	20.525	20035
10	3.1	5740	12.1	2510	5.275	11605	20.475	19855
11	3.15	5820	12.15	2540	5.275	11605	20.575	19965
12	3.1	5770	12.15	2520	5.275	11605	20.525	19895
13	3.1	5720	12	2370	5.275	11605	20.375	19695
14	3.1	5790	12.1	2460	5.275	11605	20.475	19855
15	3.1	5750	12.25	2540	5.275	11605	20.625	19895
16	3	5710	12.1	2470	5.275	11605	20.375	19785
17	3.15	5840	12.25	2680	5.275	11605	20.675	20125
18	3.1	5760	12.1	2510	5.275	11605	20.475	19875
19	3.1	5750	12.1	2470	5.275	11605	20.475	19825
20	3	5710	12	2420	5.275	11605	20.275	19735
21	3.1	5740	12.1	2470	5.275	11605	20.475	19815
22	3.1	5770	12.1	2450	5.275	11605	20.475	19825
23	3	5710	12.1	2440	5.275	11605	20.375	19755
24	3.1	5730	12.1	2450	5.275	11605	20.475	19785
25	3.1	5790	12.1	2430	5.275	11605	20.475	19825
26	3	5670	12	2360	5.275	11605	20.275	19635
27	3	5720	12.5	2550	5.275	11605	20.775	19875
28	3	5840	12	2390	5.275	11605	20.275	19835
29	3.4	5910	12.25	2560	5.275	11605	20.925	20075
30	3	5680	12	2450	5.275	11605	20.275	19735
31	3.25	5810	12	2400	5.275	11605	20.525	19815
32	3	5680	11.75	2350	5.275	11605	20.025	19635
33	3.25	5810	12	2480	5.275	11605	20.525	19895
34	3.5	5960	12.25	2590	5.275	11605	21.025	20155
35	3.25	5830	12	2380	5.275	11605	20.525	19815
36	3.1	5740	12.25	2500	5.275	11605	20.625	19845
37	3	5790	12.1	2490	5.275	11605	20.375	19885
38	3	5720	12.1	2440	5.275	11605	20.375	19765
39	3.1	5790	12	2430	5.275	11605	20.375	19825
40					5.275	11605	5.275	11605
41								
42								
43								
Total	120.95	225150	472.1	96780	211.00	464200	804.05	786130

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 109 PERFORMED BY: Howard

DATE: 9/1/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2480				
2	3	5710	12.10	2450				
3	3.20	6130	12.15	2530				
4	3	5750	12	2440				
5	3.15	5830	12.10	2460				
6	3.15	5810	12.15	2570				
7	3.10	5720	12.15	2580				
8	3	5700	12.10	2480				
9	3	5710	12.25	2720				
10	3.10	5740	12.10	2510				
11	3.15	5820	12.15	2540				
12	3.10	5720	12.15	2520				
13	3.10	5820	12	2370				
14	3.10	5790	12.20	2460				
15	3.10	5750	12.25	2540				
16	3	5710	12.10	2470				
17	3.15	5840	12.25	2680				
18	3.10	5760	12.10	2510				
19	3.10	5750	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 109 PERFORMED BY: Howard

DATE: 9/16/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3	5710	12	2420				
21	3.10	5740	12.10	2470				
22	3.10	5770	12.10	2450				
23	3	5710	12.10	2440				
24	3.10	5730	12.10	2450				
25	3.10	5790	12.10	2430				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M 109 PERFORMED BY: [illegible]

DATE: 9/15/99 INSPECTED BY: [illegible]

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5670	12	2360				
2	3	5720	12.5	2550				
3	3	5840	12	2390				
4	3.4	5910	12.25	2560				
5	3	5680	12	2450				
6	3.25	5810	12	2400				
7	3	5680	11.75	2350				
8	3.25	5810	12	2480				
9	3.50	5960	12.25	2590				
10	3.25	5830	12	2380				
11	3.10	5740	12.25	2500				
12	3.00	5990	12.10	2490				
13	3	5720	12.10	2440				
14	3.10	5790	12	2450				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M109	9/16/99	9/16/99	0		35.30
		9/17/99	1	48.83	45.10
		9/18/99	2	56.10	51.63
		9/19/99	3	60.17	56.87
		9/20/99	4	63.07	58.07
		9/21/99	5	67.33	59.30
		9/22/99	6	61.43	60.10
		9/23/99	7	62.23	58.90
		9/24/99	8	66.30	58.60
		9/25/99	9	68.97	64.03
		9/26/99	10	68.87	61.57

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M109	9/16/99	9/16/99	0		14.30
		9/17/99	1	1.43	8.97
		9/18/99	2	4.03	10.80
		9/19/99	3	6.30	8.30
		9/20/99	4	8.83	7.40
		9/21/99	5	8.60	7.77
		9/22/99	6	10.53	8.37
		9/23/99	7	10.10	9.20
		9/24/99	8	9.47	10.30
		9/25/99	9	10.37	10.17
		9/26/99	10	10.17	10.47

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M109	9/16/99	9/16/99	0		43.24
		9/18/99	2		50.74
		9/20/99	4		37.80
		9/23/99	7		39.24
		9/24/99	8		36.98
		9/26/99	10		50.90

All average MWHC values are expressed in percent

Windrow Number: M109 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	09/16/99	09/16/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
135TNB	09/16/99	09/16/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
135TNB	09/16/99	09/16/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
135TNB	09/16/99	09/16/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
135TNB	09/16/99	09/16/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	09/16/99	09/27/99	11	03	1	LT	238
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 03 :		*242*
135TNB	09/16/99	09/27/99	11	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
135TNB	09/16/99	09/27/99	11	07	1	LT	250
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 07 :		*246*
135TNB	09/16/99	09/27/99	11	09	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 09 :		*242*
135TNB	09/16/99	09/27/99	11	11	1	LT	250
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 11 :		*246*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 6

Percent Reduction of 135TNB: 1.92%

Windrow Number: M109 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	09/16/99	09/16/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
13DNB	09/16/99	09/16/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
13DNB	09/16/99	09/16/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
13DNB	09/16/99	09/16/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
13DNB	09/16/99	09/16/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	09/16/99	09/27/99	11	03	1	LT	238
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 03 :		*242*
13DNB	09/16/99	09/27/99	11	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
13DNB	09/16/99	09/27/99	11	07	1	LT	250
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 07 :		*246*
13DNB	09/16/99	09/27/99	11	09	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 09 :		*242*
13DNB	09/16/99	09/27/99	11	11	1	LT	250
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 11 :		*246*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 6

Percent Reduction of 13DNB: 1.92%

Windrow Number: M109 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	09/16/99	09/16/99	0	03	1		882	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*461*
246TNT	09/16/99	09/16/99	0	05	1		412	
					2	LT	250	
					3		826	
					Average Concentration for Cross Section 05 :			*496*
246TNT	09/16/99	09/16/99	0	07	1		1180	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*560*
246TNT	09/16/99	09/16/99	0	09	1		472	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*324*
246TNT	09/16/99	09/16/99	0	11	1		380	
					2	LT	250	
					3		221 J	
					Average Concentration for Cross Section 11 :			*284*

Average Concentration for Windrow on Day 0 : 425

Standard Deviation: 296

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	09/16/99	09/27/99	11	03	1	LT	238	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*242*
246TNT	09/16/99	09/27/99	11	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
246TNT	09/16/99	09/27/99	11	07	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 07 :			*246*
246TNT	09/16/99	09/27/99	11	09	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*242*
246TNT	09/16/99	09/27/99	11	11	1	LT	250	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 6

Percent Reduction of 246TNT: 42.29%

Windrow Number: M109 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	09/16/99	09/16/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
24DNT	09/16/99	09/16/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
24DNT	09/16/99	09/16/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
24DNT	09/16/99	09/16/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
24DNT	09/16/99	09/16/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	09/16/99	09/27/99	11	03	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 03 :			*242*
24DNT	09/16/99	09/27/99	11	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
24DNT	09/16/99	09/27/99	11	07	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 07 :			*246*
24DNT	09/16/99	09/27/99	11	09	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*242*
24DNT	09/16/99	09/27/99	11	11	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 6

Percent Reduction of 24DNT: 1.92%

Windrow Number: M109 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	09/16/99	09/16/99	0	03	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 03 :		*260*
26DNT	09/16/99	09/16/99	0	05	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 05 :		*260*
26DNT	09/16/99	09/16/99	0	07	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 07 :		*260*
26DNT	09/16/99	09/16/99	0	09	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 09 :		*260*
26DNT	09/16/99	09/16/99	0	11	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 11 :		*260*

Average Concentration for Windrow on Day 0 : 260

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	09/16/99	09/27/99	11	03	1	LT	248
					2	LT	248
					3	LT	260
					Average Concentration for Cross Section 03 :		*252*
26DNT	09/16/99	09/27/99	11	05	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 05 :		*260*
26DNT	09/16/99	09/27/99	11	07	1	LT	260
					2	LT	260
					3	LT	248
					Average Concentration for Cross Section 07 :		*256*
26DNT	09/16/99	09/27/99	11	09	1	LT	260
					2	LT	248
					3	LT	248
					Average Concentration for Cross Section 09 :		*252*
26DNT	09/16/99	09/27/99	11	11	1	LT	260
					2	LT	248
					3	LT	260
					Average Concentration for Cross Section 11 :		*256*

Average Concentration for Windrow on Day 11 : 255

Standard Deviation: 6

Percent Reduction of 26DNT: 1.85%

Windrow Number: M109 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	09/16/99	09/16/99	0	03	1		300	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*267*
2A46DT	09/16/99	09/16/99	0	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
2A46DT	09/16/99	09/16/99	0	07	1		285	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*262*
2A46DT	09/16/99	09/16/99	0	09	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*250*
2A46DT	09/16/99	09/16/99	0	11	1		432	
					2	LT	250	
					3		124 J	
					Average Concentration for Cross Section 11 :			*269*

Average Concentration for Windrow on Day 0 : 259

Standard Deviation: 61

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	09/16/99	09/27/99	11	03	1	LT	238	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*242*
2A46DT	09/16/99	09/27/99	11	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
2A46DT	09/16/99	09/27/99	11	07	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 07 :			*246*
2A46DT	09/16/99	09/27/99	11	09	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*242*
2A46DT	09/16/99	09/27/99	11	11	1	LT	250	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 6

Percent Reduction of 2A46DT: 5.47%

Windrow Number: M109 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/16/99	09/16/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
2NT	09/16/99	09/16/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
2NT	09/16/99	09/16/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2NT	09/16/99	09/16/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
2NT	09/16/99	09/16/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/16/99	09/27/99	11	03	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 03 :			*242*
2NT	09/16/99	09/27/99	11	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
2NT	09/16/99	09/27/99	11	07	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 07 :			*246*
2NT	09/16/99	09/27/99	11	09	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*242*
2NT	09/16/99	09/27/99	11	11	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 6

Percent Reduction of 2NT: 1.92%

Windrow Number: M109 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	09/16/99	09/16/99	0	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
3NT	09/16/99	09/16/99	0	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
3NT	09/16/99	09/16/99	0	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
3NT	09/16/99	09/16/99	0	09	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*250*
3NT	09/16/99	09/16/99	0	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	09/16/99	09/27/99	11	03	1	LT	238	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*242*
3NT	09/16/99	09/27/99	11	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
3NT	09/16/99	09/27/99	11	07	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 07 :			*246*
3NT	09/16/99	09/27/99	11	09	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*242*
3NT	09/16/99	09/27/99	11	11	1	LT	250	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 6

Percent Reduction of 3NT: 1.92%

Windrow Number: M109 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	09/16/99	09/16/99	0	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
4A26DT	09/16/99	09/16/99	0	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
4A26DT	09/16/99	09/16/99	0	07	1		436	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*312*
4A26DT	09/16/99	09/16/99	0	09	1		188 J	
					2		185 J	
					3		1970	
					Average Concentration for Cross Section 09 :			*781*
4A26DT	09/16/99	09/16/99	0	11	1		380	
					2	LT	250	
					3		1540	
					Average Concentration for Cross Section 11 :			*723*

Average Concentration for Windrow on Day 0 : 463

Standard Deviation: 535

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	09/16/99	09/27/99	11	03	1	LT	238	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*242*
4A26DT	09/16/99	09/27/99	11	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
4A26DT	09/16/99	09/27/99	11	07	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 07 :			*246*
4A26DT	09/16/99	09/27/99	11	09	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*242*
4A26DT	09/16/99	09/27/99	11	11	1	LT	250	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 6

Percent Reduction of 4A26DT: 47.07%

Windrow Number: M109 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/16/99	09/16/99	0	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
4NT	09/16/99	09/16/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
4NT	09/16/99	09/16/99	0	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
4NT	09/16/99	09/16/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
4NT	09/16/99	09/16/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/16/99	09/27/99	11	03	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 03 :			*242*
4NT	09/16/99	09/27/99	11	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
4NT	09/16/99	09/27/99	11	07	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 07 :			*246*
4NT	09/16/99	09/27/99	11	09	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*242*
4NT	09/16/99	09/27/99	11	11	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 6

Percent Reduction of 4NT: 1.92%

Windrow Number: M109 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	09/16/99	09/16/99	0	03	1	58900	
					2	12100	
					3	21900	
					Average Concentration for Cross Section 03 :		*30967*
HMX	09/16/99	09/16/99	0	05	1	44800	
					2	7370	
					3	30000	
					Average Concentration for Cross Section 05 :		*27390*
HMX	09/16/99	09/16/99	0	07	1	GT 74000 E	
					2	8580	
					3	30100	
					Average Concentration for Cross Section 07 :		*37560*
HMX	09/16/99	09/16/99	0	09	1	GT 70200 E	
					2	30400	
					3	GT 73900 E	
					Average Concentration for Cross Section 09 :		*58167*
HMX	09/16/99	09/16/99	0	11	1	GT 102000 E	
					2	22600	
					3	54700	
					Average Concentration for Cross Section 11 :		*59767*

Average Concentration for Windrow on Day 0 : 42770

Standard Deviation: 28402

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	09/16/99	09/27/99	11	03	1	LT 2100	
					2	LT 2100	
					3	LT 2200	
					Average Concentration for Cross Section 03 :		*2133*
HMX	09/16/99	09/27/99	11	05	1	LT 2200	
					2	LT 2200	
					3	LT 2200	
					Average Concentration for Cross Section 05 :		*2200*
HMX	09/16/99	09/27/99	11	07	1	LT 2200	
					2	LT 2200	
					3	LT 2100	
					Average Concentration for Cross Section 07 :		*2167*
HMX	09/16/99	09/27/99	11	09	1	LT 2200	
					2	LT 2100	
					3	LT 2100	
					Average Concentration for Cross Section 09 :		*2133*
HMX	09/16/99	09/27/99	11	11	1	LT 2200	
					2	LT 2100	
					3	LT 2200	
					Average Concentration for Cross Section 11 :		*2167*

Average Concentration for Windrow on Day 11 : 2160

Standard Deviation: 51

Percent Reduction of HMX: 94.95%

Windrow Number: M109 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	09/16/99	09/16/99	0	03	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*260*
NB	09/16/99	09/16/99	0	05	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 05 :			*260*
NB	09/16/99	09/16/99	0	07	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 07 :			*260*
NB	09/16/99	09/16/99	0	09	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 09 :			*260*
NB	09/16/99	09/16/99	0	11	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 0 : 260

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	09/16/99	09/27/99	11	03	1	LT	248
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 03 :			*252*
NB	09/16/99	09/27/99	11	05	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 05 :			*260*
NB	09/16/99	09/27/99	11	07	1	LT	260
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 07 :			*256*
NB	09/16/99	09/27/99	11	09	1	LT	260
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 09 :			*252*
NB	09/16/99	09/27/99	11	11	1	LT	260
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 11 :			*256*

Average Concentration for Windrow on Day 11 : 255

Standard Deviation: 6

Percent Reduction of NB: 1.85%

Windrow Number: M109 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/16/99	09/16/99	0	03	1	GT	391000	E
					2	GT	52100	E
					3	GT	132000	E
					Average Concentration for Cross Section 03 :			*191700*
RDX	09/16/99	09/16/99	0	05	1	GT	271000	E
					2	GT	54600	E
					3	GT	171000	E
					Average Concentration for Cross Section 05 :			*165533*
RDX	09/16/99	09/16/99	0	07	1	GT	437000	E
					2	GT	51300	E
					3	GT	222000	E
					Average Concentration for Cross Section 07 :			*236767*
RDX	09/16/99	09/16/99	0	09	1	GT	476000	E
					2	GT	201000	E
					3	GT	450000	E
					Average Concentration for Cross Section 09 :			*375667*
RDX	09/16/99	09/16/99	0	11	1	GT	578000	E
					2	GT	142000	E
					3	GT	361000	E
					Average Concentration for Cross Section 11 :			*360333*

Average Concentration for Windrow on Day 0 : 266000

Standard Deviation: 172020

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/16/99	09/27/99	11	03	1	LT	952	
					2	LT	952	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*968*
RDX	09/16/99	09/27/99	11	05	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1000*
RDX	09/16/99	09/27/99	11	07	1	LT	1000	
					2	LT	1000	
					3	LT	952	
					Average Concentration for Cross Section 07 :			*984*
RDX	09/16/99	09/27/99	11	09	1	LT	1000	
					2	LT	952	
					3	LT	952	
					Average Concentration for Cross Section 09 :			*968*
RDX	09/16/99	09/27/99	11	11	1	LT	1000	
					2	LT	952	
					3	LT	1000	
					Average Concentration for Cross Section 11 :			*984*

Average Concentration for Windrow on Day 11 : 981

Standard Deviation: 24

Percent Reduction of RDX: 99.63%

Windrow Number: M109 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	09/16/99	09/16/99	0	03	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 03 :		*650*
TETRYL	09/16/99	09/16/99	0	05	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 05 :		*650*
TETRYL	09/16/99	09/16/99	0	07	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 07 :		*650*
TETRYL	09/16/99	09/16/99	0	09	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 09 :		*650*
TETRYL	09/16/99	09/16/99	0	11	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 11 :		*650*

Average Concentration for Windrow on Day 0 : 650

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	09/16/99	09/27/99	11	03	1	LT	619
					2	LT	619
					3	LT	650
					Average Concentration for Cross Section 03 :		*629*
TETRYL	09/16/99	09/27/99	11	05	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 05 :		*650*
TETRYL	09/16/99	09/27/99	11	07	1	LT	650
					2	LT	650
					3	LT	619
					Average Concentration for Cross Section 07 :		*640*
TETRYL	09/16/99	09/27/99	11	09	1	LT	650
					2	LT	619
					3	LT	619
					Average Concentration for Cross Section 09 :		*629*
TETRYL	09/16/99	09/27/99	11	11	1	LT	650
					2	LT	619
					3	LT	650
					Average Concentration for Cross Section 11 :		*640*

Average Concentration for Windrow on Day 11 : 638

Standard Deviation: 16

Percent Reduction of TETRYL: 1.91%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-110 Day 0: 09/18/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.25	2710	5.275	11605	20.625	20105
2	3.1	5730	12.1	2490	5.275	11605	20.475	19825
3	3.25	5920	12.15	2540	5.275	11605	20.675	20065
4	3	5650	12	2300	5.275	11605	20.275	19555
5	3	5600	12.1	2520	5.275	11605	20.375	19725
6	3	5740	12	2430	5.275	11605	20.275	19775
7	3.2	5830	12.15	2610	5.275	11605	20.625	20045
8	3.1	5760	12.15	2520	5.275	11605	20.525	19885
9	3	5710	12.1	2470	5.275	11605	20.375	19785
10	3.1	5780	12.1	2450	5.275	11605	20.475	19835
11	3.1	5790	12.15	2530	5.275	11605	20.525	19925
12	3	5690	12.1	2470	5.275	11605	20.375	19765
13	3.1	5720	12.1	2460	5.275	11605	20.475	19785
14	3	5710	12.15	2510	5.275	11605	20.425	19825
15	3.1	5760	12.15	2530	5.275	11605	20.525	19895
16	3.1	5740	12.1	2480	5.275	11605	20.475	19825
17	3	5710	12	2440	5.275	11605	20.275	19755
18	3	5670	12.1	2470	5.275	11605	20.375	19745
19	3.15	5830	12.1	2490	5.275	11605	20.525	19925
20	3.1	5740	12.1	2450	5.275	11605	20.475	19795
21	3.1	5780	12.15	2670	5.275	11605	20.525	20055
22	3.15	5830	12.1	2490	5.275	11605	20.525	19925
23	3.1	5770	12.1	2450	5.275	11605	20.475	19825
24	3	5690	12.1	2410	5.275	11605	20.375	19705
25	3.1	5740	12	2470	5.275	11605	20.375	19815
26	3.1	5760	12.1	2470	5.275	11605	20.475	19835
27	3.1	5710	12.1	2440	5.275	11605	20.475	19755
28	3	5740	12.1	2450	5.275	11605	20.375	19795
29	3.1	5750	12.1	2420	5.275	11605	20.475	19775
30	3.1	5650	11.75	2340	5.275	11605	20.125	19595
31	3	5730	12	2360	5.275	11605	20.275	19695
32	3	5820	12	2390	5.275	11605	20.275	19815
33	3.1	5820	12.2	2520	5.275	11605	20.575	19945
34	3.1	5810	12	2400	5.275	11605	20.375	19815
35	3.1	5770	12.5	2680	5.275	11605	20.875	20055
36	3	5670	12	2510	5.275	11605	20.275	19785
37	3.1	5790	12.5	2630	5.275	11605	20.875	20025
38	3.05	5840	12.5	2690	5.275	11605	20.825	20135
39	3	5760	12.2	2510	5.275	11605	20.475	19875
40	3.2	5900	12.5	2770	5.275	11605	20.975	20275
41								
42								
43								
Total	123	230200	485.15	99940	211.00	464200	819.15	794340

RECORD OF RECIPE (MIX NO. 7B)

Building # 6 Windrow # 110 PERFORMED BY: Howard

DATE: 9/17/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.25	2710				
2	3.10	5730	12.10	2490				
3	3.25	5920	12.15	2540				
4	3	5650	12	2300				
5	3	5600	12.10	2520				
6	3	5740	12	2430				
7	3.20	5830	12.15	2610				
8	3.10	5760	12.15	2520				
9	3	5710	12.10	2470				
10	3.10	5780	12.10	2450				
11	3.10	5790	12.15	2530				
12	3	5690	12.10	2470				
13	3.10	5720	12.10	2460				
14	3	5710	12.15	2510				
15	3.10	5700	12.15	2530				
16	3.10	5740	12.10	2480				
17	3	5710	12	2440				
18	3	5670	12.10	2470				
19	3.15	5830	12.10	2490				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 110 PERFORMED BY: _____

DATE: 9/18/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5760 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5740	12.10	2450				
21	3.10	5780	12.15	2670				
22	3.15	5830	12.10	2490				
23	3.10	5770	12.10	2450				
24	3	5690	12.10	2410				
25	3.10	5740	12.10	2470				
tal								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 110 PERFORMED BY: [illegible]

DATE: 9/17/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2470				
2	3.10	5760	12.10	2440				
3	3	5710	12.10	2450				
4	3.10	5740	12.10	2420				
5	3.10	5750	11.75	2340				
6	3	5650	12	2360				
7	3	5730	12	2390				
8	3.10	5820	12.20	2520				
9	3.10	5810	12	2400				
10	3.10	5770	12.5	2680				
11	3	5670	12	2510				
12	3.10	5790	12.5	2630				
13	3.05	5840	12.5	2690				
14	3	5760	12.20	2570				
15	3.20	5900	12.50	2770				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S110	9/18/99	9/18/99	0		38.20
		9/19/99	1	49.67	47.73
		9/20/99	2	62.10	62.27
		9/21/99	3	65.07	58.63
		9/22/99	4	62.80	58.97
		9/23/99	5	58.40	57.80
		9/24/99	6	58.97	59.57
		9/25/99	7	69.00	64.70
		9/26/99	8	68.73	61.20
		9/27/99	9	65.87	61.13
		9/28/99	10	64.73	58.37

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S110	9/18/99	9/18/99	0		11.07
		9/19/99	1	4.53	7.53
		9/20/99	2	4.23	9.97
		9/21/99	3	4.27	7.83
		9/22/99	4	10.07	9.70
		9/23/99	5	9.63	10.97
		9/24/99	6	13.70	11.00
		9/25/99	7	8.03	13.80
		9/26/99	8	11.37	13.77
		9/27/99	9	11.37	10.40
		9/28/99	10	10.87	10.57

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S110	9/18/99	9/18/99	0		39.02
		9/20/99	2		41.78
		9/23/99	5		32.44
		9/24/99	6		30.38
		9/26/99	8		46.12

All average MWHC values are expressed in percent

Windrow Number: S110 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	09/18/99	09/18/99	0	03	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
135TNB	09/18/99	09/18/99	0	05	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
135TNB	09/18/99	09/18/99	0	07	1		330	
					2		679	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*412*
135TNB	09/18/99	09/18/99	0	09	1		354	
					2	LT	227	
					3	LT	227	
				Average Concentration for Cross Section 09 :				*269*
135TNB	09/18/99	09/18/99	0	11	1		1010	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*496*

Average Concentration for Windrow on Day 0 : 332

Standard Deviation: 220

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	09/18/99	09/28/99	10	03	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*246*
135TNB	09/18/99	09/28/99	10	05	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
135TNB	09/18/99	09/28/99	10	07	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*246*
135TNB	09/18/99	09/28/99	10	09	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*242*
135TNB	09/18/99	09/28/99	10	11	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 10 : 244

Standard Deviation: 6

Percent Reduction of 135TNB: 26.69%

Windrow Number: S110 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	09/18/99	09/18/99	0	03	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
13DNB	09/18/99	09/18/99	0	05	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
13DNB	09/18/99	09/18/99	0	07	1	LT	250	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*238*
13DNB	09/18/99	09/18/99	0	09	1	LT	238	
					2	LT	227	
					3	LT	227	
				Average Concentration for Cross Section 09 :				*231*
13DNB	09/18/99	09/18/99	0	11	1	LT	238	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 0 : 238

Standard Deviation: 10

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	09/18/99	09/28/99	10	03	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*246*
13DNB	09/18/99	09/28/99	10	05	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
13DNB	09/18/99	09/28/99	10	07	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*246*
13DNB	09/18/99	09/28/99	10	09	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*242*
13DNB	09/18/99	09/28/99	10	11	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 10 : 244

Standard Deviation: 6

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S110 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	09/18/99	09/18/99	0	03	1	LT	238	
					2	LT	250	
					3		1390	
					Average Concentration for Cross Section 03 :			*626*
246TNT	09/18/99	09/18/99	0	05	1		1050	
					2	LT	227	
					3		4910	
					Average Concentration for Cross Section 05 :			*2062*
246TNT	09/18/99	09/18/99	0	07	1		2350	
					2		1010	
					3		588	
					Average Concentration for Cross Section 07 :			*1316*
246TNT	09/18/99	09/18/99	0	09	1		1930	
					2		640	
					3	LT	227	
					Average Concentration for Cross Section 09 :			*932*
246TNT	09/18/99	09/18/99	0	11	1		2780	
					2		604	
					3		842	
					Average Concentration for Cross Section 11 :			*1409*

Average Concentration for Windrow on Day 0 : 1269

Standard Deviation: 1283

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	09/18/99	09/28/99	10	03	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 03 :			*246*
246TNT	09/18/99	09/28/99	10	05	1	LT	238	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*242*
246TNT	09/18/99	09/28/99	10	07	1	LT	238	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*246*
246TNT	09/18/99	09/28/99	10	09	1	LT	238	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*242*
246TNT	09/18/99	09/28/99	10	11	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 10 : 244

Standard Deviation: 6

Percent Reduction of 246TNT: 80.80%

Windrow Number: S110 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	09/18/99	09/18/99	0	03	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
24DNT	09/18/99	09/18/99	0	05	1	LT	250
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
24DNT	09/18/99	09/18/99	0	07	1	LT	250
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*238*
24DNT	09/18/99	09/18/99	0	09	1	LT	238
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 09 :			*231*
24DNT	09/18/99	09/18/99	0	11	1	LT	238
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 0 : 238

Standard Deviation: 10

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	09/18/99	09/28/99	10	03	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*246*
24DNT	09/18/99	09/28/99	10	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
24DNT	09/18/99	09/28/99	10	07	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*246*
24DNT	09/18/99	09/28/99	10	09	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 09 :			*242*
24DNT	09/18/99	09/28/99	10	11	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 10 : 244

Standard Deviation: 6

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S110 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	09/18/99	09/18/99	0	03	1	LT	248
					2	LT	260
					3	LT	248
					Average Concentration for Cross Section 03 :		*252*
26DNT	09/18/99	09/18/99	0	05	1	LT	260
					2	LT	236
					3	LT	260
					Average Concentration for Cross Section 05 :		*252*
26DNT	09/18/99	09/18/99	0	07	1	LT	260
					2	LT	248
					3	LT	236
					Average Concentration for Cross Section 07 :		*248*
26DNT	09/18/99	09/18/99	0	09	1	LT	248
					2	LT	236
					3	LT	236
					Average Concentration for Cross Section 09 :		*240*
26DNT	09/18/99	09/18/99	0	11	1	LT	248
					2	LT	236
					3	LT	260
					Average Concentration for Cross Section 11 :		*248*

Average Concentration for Windrow on Day 0 : 248

Standard Deviation: 10

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	09/18/99	09/28/99	10	03	1	LT	260
					2	LT	260
					3	LT	248
					Average Concentration for Cross Section 03 :		*256*
26DNT	09/18/99	09/28/99	10	05	1	LT	248
					2	LT	248
					3	LT	260
					Average Concentration for Cross Section 05 :		*252*
26DNT	09/18/99	09/28/99	10	07	1	LT	248
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 07 :		*256*
26DNT	09/18/99	09/28/99	10	09	1	LT	248
					2	LT	248
					3	LT	260
					Average Concentration for Cross Section 09 :		*252*
26DNT	09/18/99	09/28/99	10	11	1	LT	260
					2	LT	248
					3	LT	248
					Average Concentration for Cross Section 11 :		*252*

Average Concentration for Windrow on Day 10 : 254

Standard Deviation: 6

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S110 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	09/18/99	09/18/99	0	03	1	LT 238	
					2	LT 250	
					3	LT 238	
					Average Concentration for Cross Section 03 :		*242*
2A46DT	09/18/99	09/18/99	0	05	1	402	
					2	LT 227	
					3	LT 250	
					Average Concentration for Cross Section 05 :		*293*
2A46DT	09/18/99	09/18/99	0	07	1	LT 250	
					2	1160	
					3	LT 227	
					Average Concentration for Cross Section 07 :		*546*
2A46DT	09/18/99	09/18/99	0	09	1	290	
					2	LT 227	
					3	LT 227	
					Average Concentration for Cross Section 09 :		*248*
2A46DT	09/18/99	09/18/99	0	11	1	346	
					2	140 J	
					3	253	
					Average Concentration for Cross Section 11 :		*246*

Average Concentration for Windrow on Day 0 : 315

Standard Deviation: 241

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	09/18/99	09/28/99	10	03	1	LT 250	
					2	LT 250	
					3	LT 238	
					Average Concentration for Cross Section 03 :		*246*
2A46DT	09/18/99	09/28/99	10	05	1	LT 238	
					2	LT 238	
					3	LT 250	
					Average Concentration for Cross Section 05 :		*242*
2A46DT	09/18/99	09/28/99	10	07	1	LT 238	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 07 :		*246*
2A46DT	09/18/99	09/28/99	10	09	1	LT 238	
					2	LT 238	
					3	LT 250	
					Average Concentration for Cross Section 09 :		*242*
2A46DT	09/18/99	09/28/99	10	11	1	LT 250	
					2	LT 238	
					3	LT 238	
					Average Concentration for Cross Section 11 :		*242*

Average Concentration for Windrow on Day 10 : 244

Standard Deviation: 6

Percent Reduction of 2A46DT: 22.67%

Windrow Number: S110 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/18/99	09/18/99	0	03	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
2NT	09/18/99	09/18/99	0	05	1	LT	250
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
2NT	09/18/99	09/18/99	0	07	1	LT	250
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*238*
2NT	09/18/99	09/18/99	0	09	1	LT	238
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 09 :			*231*
2NT	09/18/99	09/18/99	0	11	1	LT	238
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 0 : 238

Standard Deviation: 10

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/18/99	09/28/99	10	03	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*246*
2NT	09/18/99	09/28/99	10	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
2NT	09/18/99	09/28/99	10	07	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*246*
2NT	09/18/99	09/28/99	10	09	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 09 :			*242*
2NT	09/18/99	09/28/99	10	11	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 10 : 244

Standard Deviation: 6

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S110 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/18/99	09/18/99	0	03	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
3NT	09/18/99	09/18/99	0	05	1	LT	250
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
3NT	09/18/99	09/18/99	0	07	1	LT	250
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*238*
3NT	09/18/99	09/18/99	0	09	1	LT	238
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 09 :			*231*
3NT	09/18/99	09/18/99	0	11	1	LT	238
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 0 : 238

Standard Deviation: 10

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/18/99	09/28/99	10	03	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*246*
3NT	09/18/99	09/28/99	10	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
3NT	09/18/99	09/28/99	10	07	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*246*
3NT	09/18/99	09/28/99	10	09	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 09 :			*242*
3NT	09/18/99	09/28/99	10	11	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 10 : 244

Standard Deviation: 6

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S110 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/18/99	09/18/99	0	03	1	LT	238
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 03 :		*242*
4A26DT	09/18/99	09/18/99	0	05	1		388
					2	LT	227
					3		3050
					Average Concentration for Cross Section 05 :		*1222*
4A26DT	09/18/99	09/18/99	0	07	1	LT	250
					2		348
					3	LT	227
					Average Concentration for Cross Section 07 :		*275*
4A26DT	09/18/99	09/18/99	0	09	1		465
					2	LT	227
					3	LT	227
					Average Concentration for Cross Section 09 :		*306*
4A26DT	09/18/99	09/18/99	0	11	1		363
					2		196 J
					3		280
					Average Concentration for Cross Section 11 :		*280*

Average Concentration for Windrow on Day 0 : 465

Standard Deviation: 719

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/18/99	09/28/99	10	03	1	LT	250
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 03 :		*246*
4A26DT	09/18/99	09/28/99	10	05	1	LT	238
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 05 :		*242*
4A26DT	09/18/99	09/28/99	10	07	1	LT	238
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*246*
4A26DT	09/18/99	09/28/99	10	09	1	LT	238
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 09 :		*242*
4A26DT	09/18/99	09/28/99	10	11	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 11 :		*242*

Average Concentration for Windrow on Day 10 : 244

Standard Deviation: 6

Percent Reduction of 4A26DT: 47.61%

Windrow Number: S110 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/18/99	09/18/99	0	03	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
4NT	09/18/99	09/18/99	0	05	1	LT	250
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
4NT	09/18/99	09/18/99	0	07	1	LT	250
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*238*
4NT	09/18/99	09/18/99	0	09	1	LT	238
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 09 :			*231*
4NT	09/18/99	09/18/99	0	11	1	LT	238
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 0 : ***238***

Standard Deviation: ***10***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/18/99	09/28/99	10	03	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*246*
4NT	09/18/99	09/28/99	10	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
4NT	09/18/99	09/28/99	10	07	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*246*
4NT	09/18/99	09/28/99	10	09	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 09 :			*242*
4NT	09/18/99	09/28/99	10	11	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 10 : ***244***

Standard Deviation: ***6***

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S110 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	09/18/99	09/18/99	0	03	1	12300	
					2	5050	
					3	9960	
				Average Concentration for Cross Section 03 :			*9103*
HMX	09/18/99	09/18/99	0	05	1	9630	
					2	1700 J	
					3	5010	
				Average Concentration for Cross Section 05 :			*5447*
HMX	09/18/99	09/18/99	0	07	1	2280	
					2	1420 J	
					3	1190 J	
				Average Concentration for Cross Section 07 :			*1630*
HMX	09/18/99	09/18/99	0	09	1	12400	
					2	7920	
					3	3940	
				Average Concentration for Cross Section 09 :			*8087*
HMX	09/18/99	09/18/99	0	11	1	4240	
					2	10800	
					3	1910 J	
				Average Concentration for Cross Section 11 :			*5650*

Average Concentration for Windrow on Day 0 : 5983

Standard Deviation: 4129

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	09/18/99	09/28/99	10	03	1	LT 2200	
					2	LT 2200	
					3	LT 2100	
				Average Concentration for Cross Section 03 :			*2167*
HMX	09/18/99	09/28/99	10	05	1	LT 2100	
					2	LT 2100	
					3	LT 2200	
				Average Concentration for Cross Section 05 :			*2133*
HMX	09/18/99	09/28/99	10	07	1	LT 2100	
					2	LT 2200	
					3	LT 2200	
				Average Concentration for Cross Section 07 :			*2167*
HMX	09/18/99	09/28/99	10	09	1	LT 2100	
					2	LT 2100	
					3	LT 2200	
				Average Concentration for Cross Section 09 :			*2133*
HMX	09/18/99	09/28/99	10	11	1	LT 2200	
					2	LT 2100	
					3	LT 2100	
				Average Concentration for Cross Section 11 :			*2133*

Average Concentration for Windrow on Day 10 : 2147

Standard Deviation: 52

Percent Reduction of HMX: 64.12%

Windrow Number: S110 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	09/18/99	09/18/99	0	03	1	LT	248
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 03 :			*252*
NB	09/18/99	09/18/99	0	05	1	LT	260
					2	LT	236
					3	LT	260
				Average Concentration for Cross Section 05 :			*252*
NB	09/18/99	09/18/99	0	07	1	LT	260
					2	LT	248
					3	LT	236
				Average Concentration for Cross Section 07 :			*248*
NB	09/18/99	09/18/99	0	09	1	LT	248
					2	LT	236
					3	LT	236
				Average Concentration for Cross Section 09 :			*240*
NB	09/18/99	09/18/99	0	11	1	LT	248
					2	LT	236
					3	LT	260
				Average Concentration for Cross Section 11 :			*248*

Average Concentration for Windrow on Day 0 : 248

Standard Deviation: 10

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	09/18/99	09/28/99	10	03	1	LT	260
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 03 :			*256*
NB	09/18/99	09/28/99	10	05	1	LT	248
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 05 :			*252*
NB	09/18/99	09/28/99	10	07	1	LT	248
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 07 :			*256*
NB	09/18/99	09/28/99	10	09	1	LT	248
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 09 :			*252*
NB	09/18/99	09/28/99	10	11	1	LT	260
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 11 :			*252*

Average Concentration for Windrow on Day 10 : 254

Standard Deviation: 6

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S110 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/18/99	09/18/99	0	03	1	GT	54100 E	
					2		22500	
					3	GT	40900 E	
					Average Concentration for Cross Section 03 :			*39167*
RDX	09/18/99	09/18/99	0	05	1	GT	55200 E	
					2	GT	25800 E	
					3	GT	39800 E	
					Average Concentration for Cross Section 05 :			*40267*
RDX	09/18/99	09/18/99	0	07	1		11400	
					2		19600	
					3		13400	
					Average Concentration for Cross Section 07 :			*14800*
RDX	09/18/99	09/18/99	0	09	1	GT	62900 E	
					2	GT	49600 E	
					3	GT	32200 E	
					Average Concentration for Cross Section 09 :			*48233*
RDX	09/18/99	09/18/99	0	11	1	GT	37200 E	
					2	GT	57800 E	
					3	GT	33400 E	
					Average Concentration for Cross Section 11 :			*42800*

Average Concentration for Windrow on Day 0 : 37053

Standard Deviation: 16466

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/18/99	09/28/99	10	03	1		1110	
					2	LT	1000	
					3	LT	952	
					Average Concentration for Cross Section 03 :			*1021*
RDX	09/18/99	09/28/99	10	05	1		1750	
					2	LT	952	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1234*
RDX	09/18/99	09/28/99	10	07	1	LT	952	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 07 :			*984*
RDX	09/18/99	09/28/99	10	09	1		1420	
					2	LT	952	
					3	LT	1000	
					Average Concentration for Cross Section 09 :			*1124*
RDX	09/18/99	09/28/99	10	11	1		1490	
					2	LT	952	
					3	LT	952	
					Average Concentration for Cross Section 11 :			*1131*

Average Concentration for Windrow on Day 10 : 1099

Standard Deviation: 248

Percent Reduction of RDX: 97.03%

Windrow Number: S110 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	09/18/99	09/18/99	0	03	1	LT	619
					2	LT	650
					3	LT	619
				Average Concentration for Cross Section 03 :			*629*
TETRYL	09/18/99	09/18/99	0	05	1	LT	650
					2	LT	591
					3	LT	650
				Average Concentration for Cross Section 05 :			*630*
TETRYL	09/18/99	09/18/99	0	07	1	LT	650
					2	LT	619
					3	LT	591
				Average Concentration for Cross Section 07 :			*620*
TETRYL	09/18/99	09/18/99	0	09	1	LT	619
					2	LT	591
					3	LT	591
				Average Concentration for Cross Section 09 :			*600*
TETRYL	09/18/99	09/18/99	0	11	1	LT	619
					2	LT	591
					3	LT	650
				Average Concentration for Cross Section 11 :			*620*

Average Concentration for Windrow on Day 0 : ***620***

Standard Deviation: ***25***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	09/18/99	09/28/99	10	03	1	LT	650
					2	LT	650
					3	LT	619
				Average Concentration for Cross Section 03 :			*640*
TETRYL	09/18/99	09/28/99	10	05	1	LT	619
					2	LT	619
					3	LT	650
				Average Concentration for Cross Section 05 :			*629*
TETRYL	09/18/99	09/28/99	10	07	1	LT	619
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 07 :			*640*
TETRYL	09/18/99	09/28/99	10	09	1	LT	619
					2	LT	619
					3	LT	650
				Average Concentration for Cross Section 09 :			*629*
TETRYL	09/18/99	09/28/99	10	11	1	LT	650
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 11 :			*629*

Average Concentration for Windrow on Day 10 : ***633***

Standard Deviation: ***16***

Percent Reduction of TETRYL: Not Applicable; Sample Results Below Reporting Limit

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-111 Day 0: 09/20/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2420	5.275	11605	20.475	19775
2	3	5710	12.1	2440	5.275	11605	20.375	19755
3	3.1	5770	12.1	2450	5.275	11605	20.475	19825
4	3.1	5740	12	2410	5.275	11605	20.375	19755
5	3	5720	12.1	2470	5.275	11605	20.375	19795
6	3.1	5790	12.1	2450	5.275	11605	20.475	19845
7	3.1	5740	12.15	2510	5.275	11605	20.525	19855
8	3	5700	11.75	2340	5.275	11605	20.025	19645
9	3.1	5740	12.1	2460	5.275	11605	20.475	19805
10	3.1	5760	11.75	2350	5.275	11605	20.125	19715
11	3	5690	11.75	2370	5.275	11605	20.025	19665
12	3.1	5790	12.1	2450	5.275	11605	20.475	19845
13	3.15	5830	12.1	2470	5.275	11605	20.525	19905
14	3.1	5720	12.1	2440	5.275	11605	20.475	19765
15	3.15	5810	11.75	2350	5.275	11605	20.175	19765
16	3.1	5760	12.15	2570	5.275	11605	20.525	19935
17	3.1	5780	12	2430	5.275	11605	20.375	19815
18	3	5700	12.75	2630	5.275	11605	21.025	19935
19	3.1	5740	12.1	2470	5.275	11605	20.475	19815
20	3.1	5780	12.15	2520	5.275	11605	20.525	19905
21	3	5690	12.1	2460	5.275	11605	20.375	19755
22	3.15	5720	12.15	2540	5.275	11605	20.575	19865
23	3	5690	12.1	2460	5.275	11605	20.375	19755
24	3	5720	12	2410	5.275	11605	20.275	19735
25	3.1	5760	12.1	2470	5.275	11605	20.475	19835
26	3	5770	12	2370	5.275	11605	20.275	19745
27	3.5	5890	12.5	2670	5.275	11605	21.275	20165
28	2.95	5650	11.75	2290	5.275	11605	19.975	19545
29	3.25	5800	12	2380	5.275	11605	20.525	19785
30	3.25	5820	12.5	2690	5.275	11605	21.025	20115
31	3	5690	12	2480	5.275	11605	20.275	19775
32	3.25	5800	12.5	2610	5.275	11605	21.025	20015
33	3.25	5840	12.6	2700	5.275	11605	21.125	20145
34	3	5660	12	2310	5.275	11605	20.275	19575
35	3.4	6200	11.9	2200	5.275	11605	20.575	20005
36	3.4	6300	12.5	2600	5.275	11605	21.175	20505
37	3.1	5730	12	2430	5.275	11605	20.375	19765
38	3.1	5750	12.1	2490	5.275	11605	20.475	19845
39	3	5710	12.1	2440	5.275	11605	20.375	19755
40	3.1	5720	12.1	2460	5.275	11605	20.475	19785
41								
42								
43								
Total	124.4	230930	484.2	98460	211.00	464200	819.6	793590

401.5

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M111 PERFORMED BY: Daghoff

DATE: 9 12 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil 5.3 CY 11660 Pounds

Job 1

Batch Number	CHICKEN MANURE Supplier: Walnut Valley Produce		STRAW Supplier: PAKSTOUT 50% La Liberta 50%		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5770	12	2370				
2	3.5	5890	12.5	2670				
3	2.95	5650	11.75	2290				
4	3.25	5800	12.	2380				
5	3.25	5820	12.5	2690				
6	3.	5690	12	2480				
7	3.25	5800	12.5	2610				
8	3.25	5840	12.6	2700				
9	3	5660	12.	2310				
10	3.40	6200	11.9	2200				
11	3.40	6300	12.5	2600				
12	3.10	5780	12	2430				
13	3.10	5750	12.10	2490				
14	3	5710	12.10	2440				
15	3.10	5720	12.10	2460				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 111 PERFORMED BY: Howard

DATE: 9 12 01 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2420				
2	3	5710	12.10	2440				
3	3.10	5770	12.10	2450				
4	3.10	5740	12	2410				
5	3.	5720	12.10	2470				
6	3.10	5790	12.10	2450				
7	3.10	5740	12.15	2510				
8	3	5700	11.75	2340				
9	3.10	5740	12.10	2460				
10	3.10	5760	11.75	2350				
11	3	5690	11.75	2370				
12	3.10	5790	12.10	2450				
13	3.15	5830	12.10	2470				
14	3.10	5720	12.10	2440				
15	3.15	5810	11.75	2350				
16	3.10	5760	12.15	2570				
17	3.10	5780	12	2430				
18	3	5700	12.75	2630				
19	3.10	5740	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # III PERFORMED BY: Hound

DATE: 91 199 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5780	12.15	2520				
21	3	5690	1210	2460				
22	3.15	5720	12.15	2540				
23	3	5690	12.10	2460				
24	3	5720	12	2410				
25	3.10	5760	12.10	2470				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M111	9/20/99	9/20/99	0		29.53
		9/21/99	1	37.03	41.17
		9/22/99	2	52.80	52.27
		9/23/99	3	57.43	53.00
		9/24/99	4	62.83	60.90
		9/25/99	5	67.60	66.07
		9/26/99	6	66.63	63.40
		9/27/99	7	63.30	62.00
		9/28/99	8	64.63	60.57
		9/29/99	9	66.30	59.97

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M111	9/20/99	9/20/99	0		15.47
		9/21/99	1	1.55	3.37
		9/22/99	2	6.70	11.40
		9/23/99	3	10.93	9.73
		9/24/99	4	10.30	11.07
		9/25/99	5	8.73	8.83
		9/26/99	6	6.80	10.73
		9/27/99	7	13.00	10.33
		9/28/99	8	10.53	12.17
		9/29/99	9	13.67	15.40

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M111	9/20/99	9/20/99	0		41.24
		9/21/99	1		46.78
		9/23/99	3		42.50
		9/24/99	4		33.44
		9/26/99	6		41.06
		9/27/99	7		50.34

All average MWHC values are expressed in percent

Windrow Number: M111 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	09/20/99	09/20/99	0	03	1		223 J
					2	LT	250
					3		174 J
					Average Concentration for Cross Section 03 :		*216*
135TNB	09/20/99	09/20/99	0	05	1	LT	238
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 05 :		*242*
135TNB	09/20/99	09/20/99	0	07	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 07 :		*238*
135TNB	09/20/99	09/20/99	0	09	1		293
					2	LT	238
					3		275
					Average Concentration for Cross Section 09 :		*269*
135TNB	09/20/99	09/20/99	0	11	1		140 J
					2	LT	250
					3		759
					Average Concentration for Cross Section 11 :		*383*

Average Concentration for Windrow on Day 0 : 269

Standard Deviation: 140

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	09/20/99	09/29/99	9	03	1	LT	250
					2	LT	227
					3	LT	227
					Average Concentration for Cross Section 03 :		*235*
135TNB	09/20/99	09/29/99	9	05	1	LT	238
					2	LT	208
					3	LT	238
					Average Concentration for Cross Section 05 :		*228*
135TNB	09/20/99	09/29/99	9	07	1	LT	227
					2	LT	227
					3	LT	250
					Average Concentration for Cross Section 07 :		*235*
135TNB	09/20/99	09/29/99	9	09	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 09 :		*238*
135TNB	09/20/99	09/29/99	9	11	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 11 :		*238*

Average Concentration for Windrow on Day 9 : 235

Standard Deviation: 10

Percent Reduction of 135TNB: 12.91%

Windrow Number: M111 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	09/20/99	09/20/99	0	03	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
13DNB	09/20/99	09/20/99	0	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
13DNB	09/20/99	09/20/99	0	07	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
13DNB	09/20/99	09/20/99	0	09	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 09 :			*242*
13DNB	09/20/99	09/20/99	0	11	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 0 : 242

Standard Deviation: 6

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	09/20/99	09/29/99	9	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
13DNB	09/20/99	09/29/99	9	05	1	LT	238
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 05 :			*228*
13DNB	09/20/99	09/29/99	9	07	1	LT	227
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 07 :			*235*
13DNB	09/20/99	09/29/99	9	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
13DNB	09/20/99	09/29/99	9	11	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 9 : 235

Standard Deviation: 10

Percent Reduction of 13DNB: 3.03%

Windrow Number: M111 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	09/20/99	09/20/99	0	03	1	1380	
					2	5800	
					3	1800	
					Average Concentration for Cross Section 03 :		*2993*
246TNT	09/20/99	09/20/99	0	05	1	172 J	
					2	360	
					3	LT 250	
					Average Concentration for Cross Section 05 :		*261*
246TNT	09/20/99	09/20/99	0	07	1	3780	
					2	LT 238	
					3	412	
					Average Concentration for Cross Section 07 :		*1477*
246TNT	09/20/99	09/20/99	0	09	1	1310	
					2	270	
					3	1360	
					Average Concentration for Cross Section 09 :		*980*
246TNT	09/20/99	09/20/99	0	11	1	949	
					2	257	
					3	5170	
					Average Concentration for Cross Section 11 :		*2125*
					Average Concentration for Windrow on Day 0 :		***1567***
					Standard Deviation:		***1852***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	09/20/99	09/29/99	9	03	1	LT 250	
					2	LT 227	
					3	LT 227	
					Average Concentration for Cross Section 03 :		*235*
246TNT	09/20/99	09/29/99	9	05	1	LT 238	
					2	LT 208	
					3	LT 238	
					Average Concentration for Cross Section 05 :		*228*
246TNT	09/20/99	09/29/99	9	07	1	LT 227	
					2	LT 227	
					3	LT 250	
					Average Concentration for Cross Section 07 :		*235*
246TNT	09/20/99	09/29/99	9	09	1	LT 238	
					2	LT 238	
					3	LT 238	
					Average Concentration for Cross Section 09 :		*238*
246TNT	09/20/99	09/29/99	9	11	1	LT 238	
					2	LT 238	
					3	LT 238	
					Average Concentration for Cross Section 11 :		*238*
					Average Concentration for Windrow on Day 9 :		***235***
					Standard Deviation:		***10***

Percent Reduction of 246TNT: 85.03%

Windrow Number: M111 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	09/20/99	09/20/99	0	03	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
24DNT	09/20/99	09/20/99	0	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
24DNT	09/20/99	09/20/99	0	07	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
24DNT	09/20/99	09/20/99	0	09	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 09 :			*242*
24DNT	09/20/99	09/20/99	0	11	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 0 : 242

Standard Deviation: 6

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	09/20/99	09/29/99	9	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
24DNT	09/20/99	09/29/99	9	05	1	LT	238
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 05 :			*228*
24DNT	09/20/99	09/29/99	9	07	1	LT	227
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 07 :			*235*
24DNT	09/20/99	09/29/99	9	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
24DNT	09/20/99	09/29/99	9	11	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 9 : 235

Standard Deviation: 10

Percent Reduction of 24DNT: 3.03%

Windrow Number: M111 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	09/20/99	09/20/99	0	03	1	LT	248
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*256*
26DNT	09/20/99	09/20/99	0	05	1	LT	248
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 05 :			*252*
26DNT	09/20/99	09/20/99	0	07	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 07 :			*248*
26DNT	09/20/99	09/20/99	0	09	1	LT	248
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 09 :			*252*
26DNT	09/20/99	09/20/99	0	11	1	LT	248
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 11 :			*252*

Average Concentration for Windrow on Day 0 : 252

Standard Deviation: 6

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	09/20/99	09/29/99	9	03	1	LT	260
					2	LT	236
					3	LT	236
				Average Concentration for Cross Section 03 :			*244*
26DNT	09/20/99	09/29/99	9	05	1	LT	248
					2	LT	217
					3	LT	248
				Average Concentration for Cross Section 05 :			*238*
26DNT	09/20/99	09/29/99	9	07	1	LT	236
					2	LT	236
					3	LT	260
				Average Concentration for Cross Section 07 :			*244*
26DNT	09/20/99	09/29/99	9	09	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 09 :			*248*
26DNT	09/20/99	09/29/99	9	11	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 11 :			*248*

Average Concentration for Windrow on Day 9 : 244

Standard Deviation: 11

Percent Reduction of 26DNT: 3.04%

Windrow Number: M111 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	09/20/99	09/20/99	0	03	1		650
					2	LT	250
					3		214 J
				Average Concentration for Cross Section 03 :			*371*
2A46DT	09/20/99	09/20/99	0	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
2A46DT	09/20/99	09/20/99	0	07	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
2A46DT	09/20/99	09/20/99	0	09	1		232 J
					2	LT	238
					3		200 J
				Average Concentration for Cross Section 09 :			*223*
2A46DT	09/20/99	09/20/99	0	11	1		151 J
					2	LT	250
					3		774
				Average Concentration for Cross Section 11 :			*392*

Average Concentration for Windrow on Day 0 : 293

Standard Deviation: 173

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	09/20/99	09/29/99	9	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
2A46DT	09/20/99	09/29/99	9	05	1	LT	238
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 05 :			*228*
2A46DT	09/20/99	09/29/99	9	07	1	LT	227
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 07 :			*235*
2A46DT	09/20/99	09/29/99	9	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
2A46DT	09/20/99	09/29/99	9	11	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 9 : 235

Standard Deviation: 10

Percent Reduction of 2A46DT: 19.98%

Windrow Number: M111 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/20/99	09/20/99	0	03	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
2NT	09/20/99	09/20/99	0	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
2NT	09/20/99	09/20/99	0	07	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
2NT	09/20/99	09/20/99	0	09	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 09 :			*242*
2NT	09/20/99	09/20/99	0	11	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 0 : 242

Standard Deviation: 6

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/20/99	09/29/99	9	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
2NT	09/20/99	09/29/99	9	05	1	LT	238
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 05 :			*228*
2NT	09/20/99	09/29/99	9	07	1	LT	227
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 07 :			*235*
2NT	09/20/99	09/29/99	9	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
2NT	09/20/99	09/29/99	9	11	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 9 : 235

Standard Deviation: 10

Percent Reduction of 2NT: 3.03%

Windrow Number: M111 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/20/99	09/20/99	0	03	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
3NT	09/20/99	09/20/99	0	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
3NT	09/20/99	09/20/99	0	07	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
3NT	09/20/99	09/20/99	0	09	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 09 :			*242*
3NT	09/20/99	09/20/99	0	11	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 0 : 242

Standard Deviation: 6

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/20/99	09/29/99	9	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
3NT	09/20/99	09/29/99	9	05	1	LT	238
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 05 :			*228*
3NT	09/20/99	09/29/99	9	07	1	LT	227
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 07 :			*235*
3NT	09/20/99	09/29/99	9	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
3NT	09/20/99	09/29/99	9	11	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 9 : 235

Standard Deviation: 10

Percent Reduction of 3NT: 3.03%

Windrow Number: M111 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/20/99	09/20/99	0	03	1	LT	238
					2		292
					3		232 J
				Average Concentration for Cross Section 03 :			*254*
4A26DT	09/20/99	09/20/99	0	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
4A26DT	09/20/99	09/20/99	0	07	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
4A26DT	09/20/99	09/20/99	0	09	1	LT	238
					2	LT	238
					3		127 J
				Average Concentration for Cross Section 09 :			*201*
4A26DT	09/20/99	09/20/99	0	11	1		128 J
					2	LT	250
					3		604
				Average Concentration for Cross Section 11 :			*327*

Average Concentration for Windrow on Day 0 : 252

Standard Deviation: 106

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/20/99	09/29/99	9	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
4A26DT	09/20/99	09/29/99	9	05	1	LT	238
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 05 :			*228*
4A26DT	09/20/99	09/29/99	9	07	1	LT	227
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 07 :			*235*
4A26DT	09/20/99	09/29/99	9	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
4A26DT	09/20/99	09/29/99	9	11	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 9 : 235

Standard Deviation: 10

Percent Reduction of 4A26DT: 7.05%

Windrow Number: M111 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/20/99	09/20/99	0	03	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
4NT	09/20/99	09/20/99	0	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
4NT	09/20/99	09/20/99	0	07	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
4NT	09/20/99	09/20/99	0	09	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 09 :			*242*
4NT	09/20/99	09/20/99	0	11	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 0 : 242

Standard Deviation: 6

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/20/99	09/29/99	9	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
4NT	09/20/99	09/29/99	9	05	1	LT	238
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 05 :			*228*
4NT	09/20/99	09/29/99	9	07	1	LT	227
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 07 :			*235*
4NT	09/20/99	09/29/99	9	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
4NT	09/20/99	09/29/99	9	11	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 9 : 235

Standard Deviation: 10

Percent Reduction of 4NT: 3.03%

Windrow Number: M111 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	09/20/99	09/20/99	0	03	1	16400	
					2	3220	
					3	8980	
				Average Concentration for Cross Section 03 :			*9533*
HMX	09/20/99	09/20/99	0	05	1	7480	
					2	14400	
					3	12000	
				Average Concentration for Cross Section 05 :			*11293*
HMX	09/20/99	09/20/99	0	07	1	7960	
					2	3200	
					3	4390	
				Average Concentration for Cross Section 07 :			*5183*
HMX	09/20/99	09/20/99	0	09	1	7290	
					2	LT 2100	
					3	4480	
				Average Concentration for Cross Section 09 :			*4623*
HMX	09/20/99	09/20/99	0	11	1	4050	
					2	LT 2200	
					3	6040	
				Average Concentration for Cross Section 11 :			*4097*

Average Concentration for Windrow on Day 0 : 6946

Standard Deviation: 4406

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	09/20/99	09/29/99	9	03	1	LT 2200	
					2	LT 2000	
					3	LT 2000	
				Average Concentration for Cross Section 03 :			*2067*
HMX	09/20/99	09/29/99	9	05	1	LT 2100	
					2	LT 1830	
					3	LT 2100	
				Average Concentration for Cross Section 05 :			*2010*
HMX	09/20/99	09/29/99	9	07	1	LT 2000	
					2	LT 2000	
					3	LT 2200	
				Average Concentration for Cross Section 07 :			*2067*
HMX	09/20/99	09/29/99	9	09	1	LT 2100	
					2	LT 2100	
					3	LT 2100	
				Average Concentration for Cross Section 09 :			*2100*
HMX	09/20/99	09/29/99	9	11	1	LT 2100	
					2	LT 2100	
					3	LT 2100	
				Average Concentration for Cross Section 11 :			*2100*

Average Concentration for Windrow on Day 9 : 2069

Standard Deviation: 92

Percent Reduction of HMX: 70.22%

Windrow Number: M111 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	09/20/99	09/20/99	0	03	1	LT	248
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*256*
NB	09/20/99	09/20/99	0	05	1	LT	248
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 05 :			*252*
NB	09/20/99	09/20/99	0	07	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 07 :			*248*
NB	09/20/99	09/20/99	0	09	1	LT	248
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 09 :			*252*
NB	09/20/99	09/20/99	0	11	1	LT	248
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 11 :			*252*

Average Concentration for Windrow on Day 0 : 252

Standard Deviation: 6

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	09/20/99	09/29/99	9	03	1	LT	260
					2	LT	236
					3	LT	236
				Average Concentration for Cross Section 03 :			*244*
NB	09/20/99	09/29/99	9	05	1	LT	248
					2	LT	217
					3	LT	248
				Average Concentration for Cross Section 05 :			*238*
NB	09/20/99	09/29/99	9	07	1	LT	236
					2	LT	236
					3	LT	260
				Average Concentration for Cross Section 07 :			*244*
NB	09/20/99	09/29/99	9	09	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 09 :			*248*
NB	09/20/99	09/29/99	9	11	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 11 :			*248*

Average Concentration for Windrow on Day 9 : 244

Standard Deviation: 11

Percent Reduction of NB: 3.04%

Windrow Number: M111 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/20/99	09/20/99	0	03	1	GT	90600 E	
					2		16900	
					3	GT	37400 E	
					Average Concentration for Cross Section 03 :			*48300*
RDX	09/20/99	09/20/99	0	05	1	GT	39900 E	
					2	GT	75400 E	
					3	GT	68600 E	
					Average Concentration for Cross Section 05 :			*61300*
RDX	09/20/99	09/20/99	0	07	1	GT	34000 E	
					2	GT	28200 E	
					3	GT	42100 E	
					Average Concentration for Cross Section 07 :			*34767*
RDX	09/20/99	09/20/99	0	09	1	GT	34500 E	
					2		10200	
					3	GT	31100 E	
					Average Concentration for Cross Section 09 :			*25267*
RDX	09/20/99	09/20/99	0	11	1	GT	29200 E	
					2		12200	
					3	GT	30700 E	
					Average Concentration for Cross Section 11 :			*24033*

Average Concentration for Windrow on Day 0 : 38733

Standard Deviation: 22836

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/20/99	09/29/99	9	03	1	LT	1000	
					2	LT	909	
					3	LT	909	
					Average Concentration for Cross Section 03 :			*939*
RDX	09/20/99	09/29/99	9	05	1		1210	
					2	LT	833	
					3	LT	952	
					Average Concentration for Cross Section 05 :			*998*
RDX	09/20/99	09/29/99	9	07	1	LT	909	
					2		1660	
					3	LT	1000	
					Average Concentration for Cross Section 07 :			*1190*
RDX	09/20/99	09/29/99	9	09	1	LT	952	
					2	LT	952	
					3	LT	952	
					Average Concentration for Cross Section 09 :			*952*
RDX	09/20/99	09/29/99	9	11	1	LT	952	
					2	LT	952	
					3	LT	952	
					Average Concentration for Cross Section 11 :			*952*

Average Concentration for Windrow on Day 9 : 1006

Standard Deviation: 198

Percent Reduction of RDX: 97.40%

Windrow Number: M111 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	09/20/99	09/20/99	0	03	1	LT	619
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 03 :			*640*
TETRYL	09/20/99	09/20/99	0	05	1	LT	619
					2	LT	619
					3	LT	650
				Average Concentration for Cross Section 05 :			*629*
TETRYL	09/20/99	09/20/99	0	07	1	LT	619
					2		9540
					3	LT	619
				Average Concentration for Cross Section 07 :			*3593*
TETRYL	09/20/99	09/20/99	0	09	1	LT	619
					2	LT	619
					3	LT	650
				Average Concentration for Cross Section 09 :			*629*
TETRYL	09/20/99	09/20/99	0	11	1	LT	619
					2	LT	650
					3	LT	619
				Average Concentration for Cross Section 11 :			*629*

Average Concentration for Windrow on Day 0 : 1224

Standard Deviation: 2301

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	09/20/99	09/29/99	9	03	1	LT	650
					2	LT	591
					3	LT	591
				Average Concentration for Cross Section 03 :			*611*
TETRYL	09/20/99	09/29/99	9	05	1	LT	619
					2	LT	542
					3	LT	619
				Average Concentration for Cross Section 05 :			*593*
TETRYL	09/20/99	09/29/99	9	07	1	LT	591
					2	LT	591
					3	LT	650
				Average Concentration for Cross Section 07 :			*611*
TETRYL	09/20/99	09/29/99	9	09	1	LT	619
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 09 :			*619*
TETRYL	09/20/99	09/29/99	9	11	1	LT	619
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 11 :			*619*

Average Concentration for Windrow on Day 9 : 611

Standard Deviation: 27

Percent Reduction of TETRYL: 50.12%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-112 Day 0: 09/27/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.15	5800	12.15	2540	5.275	11605	20.575	19945
2	3.1	5790	12.1	2480	5.275	11605	20.475	19875
3	3.1	5750	12.1	2430	5.275	11605	20.475	19785
4	3.1	5820	12.1	2470	5.275	11605	20.475	19895
5	3	5700	11.75	2350	5.275	11605	20.025	19655
6	3.1	5720	11.75	2390	5.275	11605	20.125	19715
7	3.1	5750	12.1	2440	5.275	11605	20.475	19795
8	3.1	5780	11.75	2370	5.275	11605	20.125	19755
9	3.1	5770	12.1	2480	5.275	11605	20.475	19855
10	3.1	5740	11.5	2340	5.275	11605	19.875	19685
11	3.1	5790	12.1	2420	5.275	11605	20.475	19815
12	3.1	5760	12.15	2580	5.275	11605	20.525	19945
13	3.1	5730	12.1	2460	5.275	11605	20.475	19795
14	3.15	5810	12.1	2490	5.275	11605	20.525	19905
15	3.1	5730	12.15	2560	5.275	11605	20.525	19895
16	3.15	5840	12.15	2520	5.275	11605	20.575	19965
17	3.15	5810	12.1	2420	5.275	11605	20.525	19835
18	3.15	5760	12.1	2450	5.275	11605	20.525	19815
19	3.1	5720	12.1	2470	5.275	11605	20.475	19795
20	3.1	5760	12.1	2470	5.275	11605	20.475	19835
21	3	5680	12.1	2410	5.275	11605	20.375	19695
22	3.15	5840	12.1	2460	5.275	11605	20.525	19905
23	3.1	5750	12.1	2430	5.275	11605	20.475	19785
24	3.1	5710	12.1	2440	5.275	11605	20.475	19755
25	3.1	5890	12.1	2480	5.275	11605	20.475	19975
26	3	5730	12	2380	5.275	11605	20.275	19715
27	2.95	5670	11.75	2350	5.275	11605	19.975	19625
28	3.25	5900	12	2450	5.275	11605	20.525	19955
29	2.95	5650	12	2490	5.275	11605	20.225	19745
30	3	5720	11.65	2310	5.275	11605	19.925	19635
31	3.1	5840	12	2370	5.275	11605	20.375	19815
32	3	5760	12.1	2510	5.275	11605	20.375	19875
33	3.1	5810	12.1	2520	5.275	11605	20.475	19935
34	3.1	5880	12	2490	5.275	11605	20.375	19975
35	3	5720	12	2460	5.275	11605	20.275	19785
36	3	5680	11.95	2370	5.275	11605	20.225	19655
37	3	5720	12.25	2590	5.275	11605	20.525	19915
38	3.1	5810	12	2450	5.275	11605	20.375	19865
39	3	5770	12	2480	5.275	11605	20.275	19855
40	3	5680	12.1	2510	5.275	11605	20.375	19795
41								
42								
43								
Total	123.15	230540	480.95	98080	211.00	464200	815.1	792820

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 112 PERFORMED BY: Howard

DATE: 9/27/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5800	12.15	2540				
2	3.10	5790	12.10	2480				
3	3.10	5750	12.10	2430				
4	3.10	5820	12.10	2470				
5	3	5700	11.75	2350				
6	3.10	5720	11.75	2390				
7	3.10	5750	12.10	2440				
8	3.10	5780	11.75	2370				
9	3.10	5770	12.10	2480				
10	3.10	5740	11.50	2340				
11	3.10	5790	12.10	2420				
12	3.10	5760	12.15	2580				
13	3.10	5730	12.10	2460				
14	3.15	5810	12.10	2490				
15	3.10	5730	12.15	2510				
16	3.15	5840	12.15	2520				
17	3.15	5810	12.10	2420				
18	3.15	5760	12.10	2490				
19	3.10	5720	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 112 PERFORMED BY: Howard

DATE: 9/27/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2700 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5760	12.10	2470				
21	3	5680	12.10	2410				
22	3.15	5840	12.10	2460				
23	3.10	5750	12.10	2436				
24	3.10	5710	12.10	2440				
~~25~~								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # S12 PERFORMED BY: Daghoff

DATE: 9/27/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil 5.3 CY 1160 Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley / Prudence		STRAW Supplier: PA Stocks / Lorchorb Ohyans		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5890	12.10	2480				
2	3	5730	12.	2380				
3	2.95	5670	11.75	2350				
4	3.25	5900	12.00	2450				
5	2.95	5650	12	2490				
6	3	5720	11.65	2310				
7	3.10	5840	12.	2370				
8	3	5760	12.10	2510				
9	3.10	5810	12.10	2520				
10	3.10	5880	12.	2490				
11	3	5720	12.	2460				
12	3	5680	11.95	2370				
13	3	5720	12.25	2590				
14	3.10	5810	12.00	2450				
15	3	5770	12	2480				
16	3	5680	12.10	2510				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S112	9/28/99	9/28/99	0		41.63
		9/29/99	1	59.03	47.80
		9/30/99	2	59.87	56.77
		10/1/99	3	63.65	60.40
		10/2/99	4	65.93	62.90
		10/3/99	5	67.93	62.70
		10/4/99	6	66.73	64.60
		10/5/99	7	64.07	48.90
		10/6/99	8	61.73	57.70

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S112	9/28/99	9/28/99	0		6.77
		9/29/99	1	6.17	14.93
		9/30/99	2	9.57	9.13
		10/1/99	3	9.63	10.07
		10/5/99	7	14.60	11.53
		10/6/99	8	9.73	11.43

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S112	9/28/99	9/28/99	0		53.00
		10/1/99	3		43.58
		10/2/99	4		41.70
		10/5/99	7		41.32
		10/6/99	8		36.34

All average MWHC values are expressed in percent

Windrow Number: S112 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	09/28/99	09/28/99	0	03	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*246*
135TNB	09/28/99	09/28/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
135TNB	09/28/99	09/28/99	0	07	1	LT	250
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*238*
135TNB	09/28/99	09/28/99	0	09	1	LT	238
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 09 :			*234*
135TNB	09/28/99	09/28/99	0	11	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 0 : 242

Standard Deviation: 8

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	09/28/99	10/07/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
135TNB	09/28/99	10/07/99	9	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
135TNB	09/28/99	10/07/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
135TNB	09/28/99	10/07/99	9	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
135TNB	09/28/99	10/07/99	9	11	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 9 : 247

Standard Deviation: 5

Windrow Number: S112 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
135TNB	09/28/99	10/13/99	15	03	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*250*
135TNB	09/28/99	10/13/99	15	05	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*250*
135TNB	09/28/99	10/13/99	15	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
135TNB	09/28/99	10/13/99	15	09	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*250*
135TNB	09/28/99	10/13/99	15	11	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 15 : 250

Standard Deviation: 0

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S112 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	09/28/99	09/28/99	0	03	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 03 :			*246*
13DNB	09/28/99	09/28/99	0	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
13DNB	09/28/99	09/28/99	0	07	1	LT	250	
					2	LT	238	
					3	LT	227	
					Average Concentration for Cross Section 07 :			*238*
13DNB	09/28/99	09/28/99	0	09	1	LT	238	
					2	LT	238	
					3	LT	227	
					Average Concentration for Cross Section 09 :			*234*
13DNB	09/28/99	09/28/99	0	11	1	LT	238	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 11 :			*242*
					Average Concentration for Windrow on Day 0 :			***242***
					Standard Deviation:			***8***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	09/28/99	10/07/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
13DNB	09/28/99	10/07/99	9	05	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 05 :			*242*
13DNB	09/28/99	10/07/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
13DNB	09/28/99	10/07/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*246*
13DNB	09/28/99	10/07/99	9	11	1	LT	238	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*246*
					Average Concentration for Windrow on Day 9 :			***247***
					Standard Deviation:			***5***

Windrow Number: S112 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	09/28/99	10/13/99	15	03	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*250*
13DNB	09/28/99	10/13/99	15	05	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*250*
13DNB	09/28/99	10/13/99	15	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
13DNB	09/28/99	10/13/99	15	09	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*250*
13DNB	09/28/99	10/13/99	15	11	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 15 : 250

Standard Deviation: 0

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S112 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	09/28/99	09/28/99	0	03	1	2310	
					2	726	
					3	1160	
					Average Concentration for Cross Section 03 :		*1399*
246TNT	09/28/99	09/28/99	0	05	1	2010	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 05 :		*837*
246TNT	09/28/99	09/28/99	0	07	1	832	
					2	774	
					3	866	
					Average Concentration for Cross Section 07 :		*824*
246TNT	09/28/99	09/28/99	0	09	1	2710	
					2	275	
					3	334	
					Average Concentration for Cross Section 09 :		*1106*
246TNT	09/28/99	09/28/99	0	11	1	1940	
					2	2250	
					3	2470	
					Average Concentration for Cross Section 11 :		*2220*

Average Concentration for Windrow on Day 0 : ***1277***

Standard Deviation: ***903***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	09/28/99	10/07/99	9	03	1	LT 250	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 03 :		*250*
246TNT	09/28/99	10/07/99	9	05	1	LT 250	
					2	LT 238	
					3	LT 238	
					Average Concentration for Cross Section 05 :		*242*
246TNT	09/28/99	10/07/99	9	07	1	GT 49800 E	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 07 :		*16767*
246TNT	09/28/99	10/07/99	9	09	1	LT 250	
					2	LT 250	
					3	LT 238	
					Average Concentration for Cross Section 09 :		*246*
246TNT	09/28/99	10/07/99	9	11	1	LT 238	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 11 :		*246*

Average Concentration for Windrow on Day 9 : ***3550***

Standard Deviation: ***12795***

Windrow Number: S112 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	09/28/99	10/13/99	15	03	1		296	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*265*
246TNT	09/28/99	10/13/99	15	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
246TNT	09/28/99	10/13/99	15	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
246TNT	09/28/99	10/13/99	15	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
246TNT	09/28/99	10/13/99	15	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 15 : 253

Standard Deviation: 12

Percent Reduction of 246TNT: 80.18%

Windrow Number: S112 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	09/28/99	09/28/99	0	03	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 03 :			*246*
24DNT	09/28/99	09/28/99	0	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
24DNT	09/28/99	09/28/99	0	07	1	LT	250	
					2	LT	238	
					3	LT	227	
					Average Concentration for Cross Section 07 :			*238*
24DNT	09/28/99	09/28/99	0	09	1	LT	238	
					2	LT	238	
					3	LT	227	
					Average Concentration for Cross Section 09 :			*234*
24DNT	09/28/99	09/28/99	0	11	1	LT	238	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 11 :			*242*
					Average Concentration for Windrow on Day 0 :			***242***
					Standard Deviation:			***8***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	09/28/99	10/07/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
24DNT	09/28/99	10/07/99	9	05	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 05 :			*242*
24DNT	09/28/99	10/07/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
24DNT	09/28/99	10/07/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*246*
24DNT	09/28/99	10/07/99	9	11	1	LT	238	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*246*
					Average Concentration for Windrow on Day 9 :			***247***
					Standard Deviation:			***5***

Windrow Number: S112 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	09/28/99	10/13/99	15	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
24DNT	09/28/99	10/13/99	15	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
24DNT	09/28/99	10/13/99	15	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
24DNT	09/28/99	10/13/99	15	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
24DNT	09/28/99	10/13/99	15	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*
				Average Concentration for Windrow on Day 15 :				*250*
						Standard Deviation:		*0*

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S112 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	09/28/99	09/28/99	0	03	1	LT	260
					2	LT	260
					3	LT	248
					Average Concentration for Cross Section 03 :		*256*
26DNT	09/28/99	09/28/99	0	05	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 05 :		*260*
26DNT	09/28/99	09/28/99	0	07	1	LT	260
					2	LT	248
					3	LT	236
					Average Concentration for Cross Section 07 :		*248*
26DNT	09/28/99	09/28/99	0	09	1	LT	248
					2	LT	248
					3	LT	236
					Average Concentration for Cross Section 09 :		*244*
26DNT	09/28/99	09/28/99	0	11	1	LT	248
					2	LT	260
					3	LT	248
					Average Concentration for Cross Section 11 :		*252*

Average Concentration for Windrow on Day 0 : ***252***

Standard Deviation: ***9***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	09/28/99	10/07/99	9	03	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 03 :		*260*
26DNT	09/28/99	10/07/99	9	05	1	LT	260
					2	LT	248
					3	LT	248
					Average Concentration for Cross Section 05 :		*252*
26DNT	09/28/99	10/07/99	9	07	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 07 :		*260*
26DNT	09/28/99	10/07/99	9	09	1	LT	260
					2	LT	260
					3	LT	248
					Average Concentration for Cross Section 09 :		*256*
26DNT	09/28/99	10/07/99	9	11	1	LT	248
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 11 :		*256*

Average Concentration for Windrow on Day 9 : ***257***

Standard Deviation: ***5***

Windrow Number: S112 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	09/28/99	10/13/99	15	03	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*260*
26DNT	09/28/99	10/13/99	15	05	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 05 :				*260*
26DNT	09/28/99	10/13/99	15	07	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 07 :				*260*
26DNT	09/28/99	10/13/99	15	09	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*260*
26DNT	09/28/99	10/13/99	15	11	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*260*

Average Concentration for Windrow on Day 15 : 260

Standard Deviation: 0

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S112 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	09/28/99	09/28/99	0	03	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 03 :			*246*
2A46DT	09/28/99	09/28/99	0	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
2A46DT	09/28/99	09/28/99	0	07	1	LT	250	
					2	LT	238	
					3	LT	227	
					Average Concentration for Cross Section 07 :			*238*
2A46DT	09/28/99	09/28/99	0	09	1	LT	238	
					2	LT	238	
					3	LT	227	
					Average Concentration for Cross Section 09 :			*234*
2A46DT	09/28/99	09/28/99	0	11	1	LT	238	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 11 :			*242*
					Average Concentration for Windrow on Day 0 :			***242***
					Standard Deviation:			***8***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	09/28/99	10/07/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
2A46DT	09/28/99	10/07/99	9	05	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 05 :			*242*
2A46DT	09/28/99	10/07/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
2A46DT	09/28/99	10/07/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*246*
2A46DT	09/28/99	10/07/99	9	11	1	LT	238	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*246*
					Average Concentration for Windrow on Day 9 :			***247***
					Standard Deviation:			***5***

Windrow Number: S112 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	09/28/99	10/13/99	15	03	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*250*
2A46DT	09/28/99	10/13/99	15	05	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*250*
2A46DT	09/28/99	10/13/99	15	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
2A46DT	09/28/99	10/13/99	15	09	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*250*
2A46DT	09/28/99	10/13/99	15	11	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 15 : 250

Standard Deviation: 0

Percent Reduction of 2A46DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S112 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/28/99	09/28/99	0	03	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*246*
2NT	09/28/99	09/28/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
2NT	09/28/99	09/28/99	0	07	1	LT	250
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*238*
2NT	09/28/99	09/28/99	0	09	1	LT	238
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 09 :			*234*
2NT	09/28/99	09/28/99	0	11	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*
					Average Concentration for Windrow on Day 0 :		***242***
					Standard Deviation:		***8***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/28/99	10/07/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
2NT	09/28/99	10/07/99	9	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
2NT	09/28/99	10/07/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2NT	09/28/99	10/07/99	9	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
2NT	09/28/99	10/07/99	9	11	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*
					Average Concentration for Windrow on Day 9 :		***247***
					Standard Deviation:		***5***

Windrow Number: S112 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	09/28/99	10/13/99	15	03	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*250*
2NT	09/28/99	10/13/99	15	05	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*250*
2NT	09/28/99	10/13/99	15	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
2NT	09/28/99	10/13/99	15	09	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*250*
2NT	09/28/99	10/13/99	15	11	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 15 : 250

Standard Deviation: 0

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S112 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/28/99	09/28/99	0	03	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*246*
3NT	09/28/99	09/28/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
3NT	09/28/99	09/28/99	0	07	1	LT	250
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*238*
3NT	09/28/99	09/28/99	0	09	1	LT	238
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 09 :			*234*
3NT	09/28/99	09/28/99	0	11	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 0 : ***242***

Standard Deviation: ***8***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/28/99	10/07/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
3NT	09/28/99	10/07/99	9	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
3NT	09/28/99	10/07/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
3NT	09/28/99	10/07/99	9	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
3NT	09/28/99	10/07/99	9	11	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Windrow Number: S112 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/28/99	10/13/99	15	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
3NT	09/28/99	10/13/99	15	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
3NT	09/28/99	10/13/99	15	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
3NT	09/28/99	10/13/99	15	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
3NT	09/28/99	10/13/99	15	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 15 : 250

Standard Deviation: 0

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S112 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/28/99	09/28/99	0	03	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*246*
4A26DT	09/28/99	09/28/99	0	05	1	LT	250
					2		3390
					3	LT	250
				Average Concentration for Cross Section 05 :			*1297*
4A26DT	09/28/99	09/28/99	0	07	1	LT	250
					2		180 J
					3	LT	227
				Average Concentration for Cross Section 07 :			*219*
4A26DT	09/28/99	09/28/99	0	09	1		455
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 09 :			*307*
4A26DT	09/28/99	09/28/99	0	11	1	LT	238
					2		449
					3		396
				Average Concentration for Cross Section 11 :			*361*
				Average Concentration for Windrow on Day 0 :			***486***
						Standard Deviation:	***808***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/28/99	10/07/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
4A26DT	09/28/99	10/07/99	9	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
4A26DT	09/28/99	10/07/99	9	07	1		1180
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*560*
4A26DT	09/28/99	10/07/99	9	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
4A26DT	09/28/99	10/07/99	9	11	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*
				Average Concentration for Windrow on Day 9 :			***309***
						Standard Deviation:	***241***

Windrow Number: S112 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	09/28/99	10/13/99	15	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
4A26DT	09/28/99	10/13/99	15	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
4A26DT	09/28/99	10/13/99	15	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
4A26DT	09/28/99	10/13/99	15	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
4A26DT	09/28/99	10/13/99	15	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 15 : 250

Standard Deviation: 0

Percent Reduction of 4A26DT: 48.55%

Windrow Number: S112 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/28/99	09/28/99	0	03	1	LT	250
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 03 :		*246*
4NT	09/28/99	09/28/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
4NT	09/28/99	09/28/99	0	07	1	LT	250
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 07 :		*238*
4NT	09/28/99	09/28/99	0	09	1	LT	238
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 09 :		*234*
4NT	09/28/99	09/28/99	0	11	1	LT	238
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 11 :		*242*

Average Concentration for Windrow on Day 0 : ***242***

Standard Deviation: ***8***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/28/99	10/07/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
4NT	09/28/99	10/07/99	9	05	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 05 :		*242*
4NT	09/28/99	10/07/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
4NT	09/28/99	10/07/99	9	09	1	LT	250
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 09 :		*246*
4NT	09/28/99	10/07/99	9	11	1	LT	238
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Windrow Number: S112 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	09/28/99	10/13/99	15	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
4NT	09/28/99	10/13/99	15	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
4NT	09/28/99	10/13/99	15	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
4NT	09/28/99	10/13/99	15	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
4NT	09/28/99	10/13/99	15	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 15 : 250

Standard Deviation: 0

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S112 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration		UGKG
HMX	09/28/99	09/28/99	0	03	1		55900		
					2		23400		
					3		33400		
					Average Concentration for Cross Section 03 :				*37567*
HMX	09/28/99	09/28/99	0	05	1		42000		
					2		16000		
					3		14300		
					Average Concentration for Cross Section 05 :				*24100*
HMX	09/28/99	09/28/99	0	07	1		25700		
					2		5640		
					3		21100		
					Average Concentration for Cross Section 07 :				*17480*
HMX	09/28/99	09/28/99	0	09	1	GT	65300	E	
					2		14700		
					3		13500		
					Average Concentration for Cross Section 09 :				*31167*
HMX	09/28/99	09/28/99	0	11	1		44200		
					2	GT	67700	E	
					3		54400		
					Average Concentration for Cross Section 11 :				*55433*
					Average Concentration for Windrow on Day 0 :				***33149***
					Standard Deviation:				***20399***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration		UGKG
HMX	09/28/99	10/07/99	9	03	1	LT	2200		
					2		10400		
					3	LT	2200		
					Average Concentration for Cross Section 03 :				*4933*
HMX	09/28/99	10/07/99	9	05	1	LT	2200		
					2		1990	J	
					3	LT	2100		
					Average Concentration for Cross Section 05 :				*2097*
HMX	09/28/99	10/07/99	9	07	1		28600		
					2		3150		
					3	LT	2200		
					Average Concentration for Cross Section 07 :				*11317*
HMX	09/28/99	10/07/99	9	09	1	LT	2200		
					2		10100		
					3		2460		
					Average Concentration for Cross Section 09 :				*4920*
HMX	09/28/99	10/07/99	9	11	1	LT	2100		
					2		2390		
					3		4980		
					Average Concentration for Cross Section 11 :				*3157*
					Average Concentration for Windrow on Day 9 :				***5285***
					Standard Deviation:				***7034***

Windrow Number: S112 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	09/28/99	10/13/99	15	03	1	LT	2200	
					2	LT	2200	
					3	LT	2200	
				Average Concentration for Cross Section 03 :				*2200*
HMX	09/28/99	10/13/99	15	05	1		2750	
					2	LT	2200	
					3		3040	
				Average Concentration for Cross Section 05 :				*2663*
HMX	09/28/99	10/13/99	15	07	1	LT	2200	
					2		7470	
					3	LT	2200	
				Average Concentration for Cross Section 07 :				*3957*
HMX	09/28/99	10/13/99	15	09	1	LT	2200	
					2	LT	2200	
					3		2370	
				Average Concentration for Cross Section 09 :				*2257*
HMX	09/28/99	10/13/99	15	11	1	LT	2200	
					2	LT	2200	
					3	LT	2200	
				Average Concentration for Cross Section 11 :				*2200*

Average Concentration for Windrow on Day 15 : 2655

Standard Deviation: 1355

Percent Reduction of HMX: 91.99%

Windrow Number: S112 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	09/28/99	09/28/99	0	03	1	LT 260	
					2	LT 260	
					3	LT 248	
				Average Concentration for Cross Section 03 :			*256*
NB	09/28/99	09/28/99	0	05	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 05 :			*260*
NB	09/28/99	09/28/99	0	07	1	LT 260	
					2	LT 248	
					3	LT 236	
				Average Concentration for Cross Section 07 :			*248*
NB	09/28/99	09/28/99	0	09	1	LT 248	
					2	LT 248	
					3	LT 236	
				Average Concentration for Cross Section 09 :			*244*
NB	09/28/99	09/28/99	0	11	1	LT 248	
					2	LT 260	
					3	LT 248	
				Average Concentration for Cross Section 11 :			*252*
				Average Concentration for Windrow on Day 0 :			***252***
						Standard Deviation:	***9***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	09/28/99	10/07/99	9	03	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 03 :			*260*
NB	09/28/99	10/07/99	9	05	1	LT 260	
					2	LT 248	
					3	LT 248	
				Average Concentration for Cross Section 05 :			*252*
NB	09/28/99	10/07/99	9	07	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 07 :			*260*
NB	09/28/99	10/07/99	9	09	1	LT 260	
					2	LT 260	
					3	LT 248	
				Average Concentration for Cross Section 09 :			*256*
NB	09/28/99	10/07/99	9	11	1	LT 248	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 11 :			*256*
				Average Concentration for Windrow on Day 9 :			***257***
						Standard Deviation:	***5***

Windrow Number: S112 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	09/28/99	10/13/99	15	03	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 03 :			*260*
NB	09/28/99	10/13/99	15	05	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 05 :			*260*
NB	09/28/99	10/13/99	15	07	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 07 :			*260*
NB	09/28/99	10/13/99	15	09	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 09 :			*260*
NB	09/28/99	10/13/99	15	11	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 15 : 260

Standard Deviation: 0

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S112 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/28/99	09/28/99	0	03	1	GT	316000	E
					2	GT	144000	E
					3	GT	248000	E
					Average Concentration for Cross Section 03 :			*236000*
RDX	09/28/99	09/28/99	0	05	1	GT	231000	E
					2	GT	88500	E
					3	GT	103000	E
					Average Concentration for Cross Section 05 :			*140833*
RDX	09/28/99	09/28/99	0	07	1	GT	133000	E
					2	GT	48100	E
					3	GT	144000	E
					Average Concentration for Cross Section 07 :			*108367*
RDX	09/28/99	09/28/99	0	09	1	GT	446000	E
					2	GT	130000	E
					3	GT	108000	E
					Average Concentration for Cross Section 09 :			*228000*
RDX	09/28/99	09/28/99	0	11	1	GT	261000	E
					2	GT	406000	E
					3	GT	355000	E
					Average Concentration for Cross Section 11 :			*340667*

Average Concentration for Windrow on Day 0 : 210773

Standard Deviation: 123843

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/28/99	10/07/99	9	03	1	LT	1000	
					2		11200	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*4400*
RDX	09/28/99	10/07/99	9	05	1	LT	1000	
					2		1210	
					3	LT	952	
					Average Concentration for Cross Section 05 :			*1054*
RDX	09/28/99	10/07/99	9	07	1	GT	252000	E
					2		1450	
					3	LT	1000	
					Average Concentration for Cross Section 07 :			*84817*
RDX	09/28/99	10/07/99	9	09	1	LT	1000	
					2		3490	
					3	LT	952	
					Average Concentration for Cross Section 09 :			*1814*
RDX	09/28/99	10/07/99	9	11	1	LT	952	
					2		2080	
					3		1690	
					Average Concentration for Cross Section 11 :			*1574*

Average Concentration for Windrow on Day 9 : 18732

Standard Deviation: 64585

Windrow Number: S112 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	09/28/99	10/13/99	15	03	1		4460	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 03 :				*2153*
RDX	09/28/99	10/13/99	15	05	1		1110	
					2	LT	1000	
					3		806 J	
				Average Concentration for Cross Section 05 :				*972*
RDX	09/28/99	10/13/99	15	07	1		5800	
					2		8800	
					3		3010	
				Average Concentration for Cross Section 07 :				*5870*
RDX	09/28/99	10/13/99	15	09	1		3390	
					2		2200	
					3		3790	
				Average Concentration for Cross Section 09 :				*3127*
RDX	09/28/99	10/13/99	15	11	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 11 :				*1000*

Average Concentration for Windrow on Day 15 : 2624

Standard Deviation: 2319

Percent Reduction of RDX: 98.75%

Windrow Number: S112 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	09/28/99	09/28/99	0	03	1	LT	650
					2	LT	650
					3	LT	619
					Average Concentration for Cross Section 03 :		*640*
TETRYL	09/28/99	09/28/99	0	05	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 05 :		*650*
TETRYL	09/28/99	09/28/99	0	07	1	LT	650
					2	LT	619
					3	LT	591
					Average Concentration for Cross Section 07 :		*620*
TETRYL	09/28/99	09/28/99	0	09	1	LT	619
					2	LT	619
					3	LT	591
					Average Concentration for Cross Section 09 :		*610*
TETRYL	09/28/99	09/28/99	0	11	1	LT	619
					2	LT	650
					3	LT	619
					Average Concentration for Cross Section 11 :		*629*
					Average Concentration for Windrow on Day 0 :		***630***
					Standard Deviation:		***22***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	09/28/99	10/07/99	9	03	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 03 :		*650*
TETRYL	09/28/99	10/07/99	9	05	1	LT	650
					2	LT	619
					3	LT	619
					Average Concentration for Cross Section 05 :		*629*
TETRYL	09/28/99	10/07/99	9	07	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 07 :		*650*
TETRYL	09/28/99	10/07/99	9	09	1	LT	650
					2	LT	650
					3	LT	619
					Average Concentration for Cross Section 09 :		*640*
TETRYL	09/28/99	10/07/99	9	11	1	LT	619
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 11 :		*640*
					Average Concentration for Windrow on Day 9 :		***642***
					Standard Deviation:		***14***

Windrow Number: S112 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	09/28/99	10/13/99	15	03	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 03 :				*650*
TETRYL	09/28/99	10/13/99	15	05	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 05 :				*650*
TETRYL	09/28/99	10/13/99	15	07	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 07 :				*650*
TETRYL	09/28/99	10/13/99	15	09	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 09 :				*650*
TETRYL	09/28/99	10/13/99	15	11	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 11 :				*650*

Average Concentration for Windrow on Day 15 : 650

Standard Deviation: 0

Percent Reduction of TETRYL: Not Applicable; Sample Results Below Reporting Limit

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-113 Day 0: 10/4/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5760	12.1	2480	5.275	11605	20.475	19845
2	3.1	5790	12.15	2520	5.275	11605	20.525	19915
3	3.1	5740	12.1	2440	5.275	11605	20.475	19785
4	3.1	5760	12.1	2490	5.275	11605	20.475	19855
5	3.1	5720	12.15	2520	5.275	11605	20.525	19845
6	3.15	5830	12.15	2560	5.275	11605	20.575	19995
7	3.1	5720	12.15	2510	5.275	11605	20.525	19835
8	3.1	5710	12	2420	5.275	11605	20.375	19735
9	3.1	5790	12.1	2440	5.275	11605	20.475	19835
10	3.1	5760	11.75	2370	5.275	11605	20.125	19735
11	3.1	5710	12	2420	5.275	11605	20.375	19735
12	3.1	5780	12.1	2470	5.275	11605	20.475	19855
13	3.15	5840	11.75	2350	5.275	11605	20.175	19795
14	3.1	5780	12.25	2630	5.275	11605	20.625	20015
15	3.1	5750	12	2410	5.275	11605	20.375	19765
16	3.1	5820	12.1	2430	5.275	11605	20.475	19855
17	3.1	5730	12.1	2470	5.275	11605	20.475	19805
18	3.15	5820	12.1	2450	5.275	11605	20.525	19875
19	3.1	5770	12.15	2510	5.275	11605	20.525	19885
20	3.1	5730	12	2410	5.275	11605	20.375	19745
21	3.15	5890	12	2430	5.275	11605	20.425	19925
22	3	5710	12	2400	5.275	11605	20.275	19715
23	3.25	5810	12.5	2540	5.275	11605	21.025	19955
24	3	5760	12.5	2510	5.275	11605	20.775	19875
25	3.25	5840	12.75	2640	5.275	11605	21.275	20085
26	3	5710	12.1	2490	5.275	11605	20.375	19805
27	3	5670	12.1	2480	5.275	11605	20.375	19755
28	3	5790	12	2410	5.275	11605	20.275	19805
29	3.5	6170	13	2990	5.275	11605	21.775	20765
30	3.4	6000	12.8	2770	5.275	11605	21.475	20375
31	3	5770	12	2370	5.275	11605	20.275	19745
32	3	5700	12.1	2490	5.275	11605	20.375	19795
33	3	5680	12.1	2500	5.275	11605	20.375	19785
34	3.25	5860	12.15	22620	5.275	11605	20.675	40085
35	3.15	5790	12.1	2540	5.275	11605	20.525	19935
36	3	5720	12	2460	5.275	11605	20.275	19785
37	3.15	5780	12.1	2510	5.275	11605	20.525	19895
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	115.25	213960	449.6	112450	211.00	464200	775.85	790610

2191 hr.

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 113 PERFORMED BY: Howard

DATE: 10/1/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5760	12.10	2480				
2	3.10	5790	12.15	2520				
3	3.10	5740	12.10	2440				
4	3.10	5760	12.10	2490				
5	3.10	5720	12.15	2520				
6	3.15	5830	12.15	2560				
7	3.10	5720	12.15	2510				
8	3.10	5710	12	2420				
9	3.10	5790	12.10	2440				
10	3.10	5760	11.75	2370				
11	3.10	5710	12	2420				
12	3.10	5780	12.10	2470				
13	3.15	5840	11.75	2350				
14	3.10	5780	12.25	2630				
15	3.10	5750	12	2410				
16	3.10	5820	12.10	2430				
17	3.10	5730	12.10	2470				
18	3.15	5820	12.10	2450				
19	3.10	5770	12.15	2510				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # _____ Windrow # _____ PERFORMED BY: _____

DATE: ___/___/___ INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier:_____		STRAW Supplier:_____		SOIL Location:_____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5730	12	2410				
21	3.15	5850	12	2430				
22	3	5710	12	2400				
23								
44								
125								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 7M Windrow # 11.3 PERFORMED BY: _____

DATE: 10/4/99 INSPECTED BY: Daughtry

Design Quantity: Chicken Manure 3 CY 5200 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	5810	12.5	2540				
2	3	5760	12.5	2510				
3	3.25	5840	12.75	2640				
4	3	5710	12.10	2490				
5	3	5670	12.10	2480				
6	3	5790	12.0	2410				
7	3.5	6170	13.	2990				
8	3.40	6000	12.80	2720				
9	3.	5770	12.00	2370				
10	3	6700	12.10	2490				
11	3	5680	12.10	2500				
12	3.35	5860	12.15	2620				
13	3.15	5790	12.10	2340				
14	3	5720	12	2460				
15	3.15	5780	12.10	2510				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M113	10/4/99	10/4/99	0		24.23
		10/5/99	1	36.07	41.73
		10/6/99	2	40.90	53.40
		10/7/99	3	61.43	57.57
		10/8/99	4	66.73	55.23
		10/9/99	5	65.47	61.70
		10/10/99	6	65.70	63.00
		10/11/99	7	67.60	63.27
		10/12/99	8	66.17	61.50
		10/13/99	9	66.10	61.30

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M113	10/4/99	10/4/99	0		18.83
		10/5/99	1	2.80	6.77
		10/6/99	2	7.27	9.76
		10/7/99	3	8.40	7.33
		10/8/99	4	7.83	9.33
		10/9/99	5	7.77	7.97
		10/10/99	6	8.23	9.63
		10/11/99	7	17.00	
		10/13/99	9	7.50	8.63

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M113	10/4/99	10/4/99	0		41.92
		10/5/99	1		47.36
		10/6/99	2		45.34
		10/7/99	3		53.14
		10/12/99	8		45.24

All average MWHC values are expressed in percent

Windrow Number: M113 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	10/04/99	10/04/99	0	03	1	LT	238	
					2	LT	250	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*235*
135TNB	10/04/99	10/04/99	0	05	1	LT	238	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*238*
135TNB	10/04/99	10/04/99	0	07	1	LT	227	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*231*
135TNB	10/04/99	10/04/99	0	09	1	LT	217	
					2	LT	208	
					3	LT	208	
				Average Concentration for Cross Section 09 :				*211*
135TNB	10/04/99	10/04/99	0	11	1	LT	238	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*234*
					Average Concentration for Windrow on Day 0 :			***230***
							Standard Deviation:	***13***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	10/04/99	10/13/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
135TNB	10/04/99	10/13/99	9	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
135TNB	10/04/99	10/13/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
135TNB	10/04/99	10/13/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
135TNB	10/04/99	10/13/99	9	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*
					Average Concentration for Windrow on Day 9 :			***250***
							Standard Deviation:	***0***

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M113 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	10/04/99	10/04/99	0	03	1	LT	238	
					2	LT	250	
					3	LT	217	
					Average Concentration for Cross Section 03 :			*235*
13DNB	10/04/99	10/04/99	0	05	1	LT	238	
					2	LT	227	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*238*
13DNB	10/04/99	10/04/99	0	07	1	LT	227	
					2	LT	238	
					3	LT	227	
					Average Concentration for Cross Section 07 :			*231*
13DNB	10/04/99	10/04/99	0	09	1	LT	217	
					2	LT	208	
					3	LT	208	
					Average Concentration for Cross Section 09 :			*211*
13DNB	10/04/99	10/04/99	0	11	1	LT	238	
					2	LT	238	
					3	LT	227	
					Average Concentration for Cross Section 11 :			*234*
					Average Concentration for Windrow on Day 0 :			***230***
					Standard Deviation:			***13***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	10/04/99	10/13/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
13DNB	10/04/99	10/13/99	9	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
13DNB	10/04/99	10/13/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
13DNB	10/04/99	10/13/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*250*
13DNB	10/04/99	10/13/99	9	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*250*
					Average Concentration for Windrow on Day 9 :			***250***
					Standard Deviation:			***0***

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M113 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	10/04/99	10/04/99	0	03	1	GT	113000 E	
					2	GT	94900 E	
					3		10400	
					Average Concentration for Cross Section 03 :			*72767*
246TNT	10/04/99	10/04/99	0	05	1	GT	209000 E	
					2	GT	113000 E	
					3	GT	135000 E	
					Average Concentration for Cross Section 05 :			*152333*
246TNT	10/04/99	10/04/99	0	07	1	GT	313000 E	
					2	GT	33400 E	
					3	GT	145000 E	
					Average Concentration for Cross Section 07 :			*163800*
246TNT	10/04/99	10/04/99	0	09	1	GT	84300 E	
					2	GT	108000 E	
					3	GT	99600 E	
					Average Concentration for Cross Section 09 :			*97300*
246TNT	10/04/99	10/04/99	0	11	1	GT	193000 E	
					2	GT	109000 E	
					3	GT	74900 E	
					Average Concentration for Cross Section 11 :			*125633*

Average Concentration for Windrow on Day 0 : 122367

Standard Deviation: 73433

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	10/04/99	10/13/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
246TNT	10/04/99	10/13/99	9	05	1		271	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*257*
246TNT	10/04/99	10/13/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
246TNT	10/04/99	10/13/99	9	09	1	LT	250	
					2	LT	250	
					3		1440	
					Average Concentration for Cross Section 09 :			*647*
246TNT	10/04/99	10/13/99	9	11	1		1930	
					2		380	
					3	GT	19000 E	
					Average Concentration for Cross Section 11 :			*7103*

Average Concentration for Windrow on Day 9 : 1701

Standard Deviation: 4812

Percent Reduction of 246TNT: 98.61%

Windrow Number: M113 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	10/04/99	10/04/99	0	03	1	LT	238
					2	LT	250
					3	LT	217
				Average Concentration for Cross Section 03 :			*235*
24DNT	10/04/99	10/04/99	0	05	1	LT	238
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 05 :			*238*
24DNT	10/04/99	10/04/99	0	07	1	LT	227
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*231*
24DNT	10/04/99	10/04/99	0	09	1	LT	217
					2	LT	208
					3	LT	208
				Average Concentration for Cross Section 09 :			*211*
24DNT	10/04/99	10/04/99	0	11	1	LT	238
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 11 :			*234*

Average Concentration for Windrow on Day 0 : 230

Standard Deviation: 13

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	10/04/99	10/13/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
24DNT	10/04/99	10/13/99	9	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
24DNT	10/04/99	10/13/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
24DNT	10/04/99	10/13/99	9	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
24DNT	10/04/99	10/13/99	9	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 9 : 250

Standard Deviation: 0

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M113 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	10/04/99	10/04/99	0	03	1	LT	248
					2	LT	260
					3	LT	226
				Average Concentration for Cross Section 03 :			*245*
26DNT	10/04/99	10/04/99	0	05	1	LT	248
					2	LT	236
					3	LT	260
				Average Concentration for Cross Section 05 :			*248*
26DNT	10/04/99	10/04/99	0	07	1	LT	236
					2	LT	248
					3	LT	236
				Average Concentration for Cross Section 07 :			*240*
26DNT	10/04/99	10/04/99	0	09	1	LT	226
					2	LT	217
					3	LT	217
				Average Concentration for Cross Section 09 :			*220*
26DNT	10/04/99	10/04/99	0	11	1	LT	248
					2	LT	248
					3	LT	236
				Average Concentration for Cross Section 11 :			*244*
				Average Concentration for Windrow on Day 0 :			*239*
						Standard Deviation:	*14*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	10/04/99	10/13/99	9	03	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*260*
26DNT	10/04/99	10/13/99	9	05	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 05 :			*260*
26DNT	10/04/99	10/13/99	9	07	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 07 :			*260*
26DNT	10/04/99	10/13/99	9	09	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 09 :			*260*
26DNT	10/04/99	10/13/99	9	11	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 11 :			*260*
				Average Concentration for Windrow on Day 9 :			*260*
						Standard Deviation:	*0*

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M113 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/04/99	10/04/99	0	03	1	890	
					2	627	
					3	LT 217	
				Average Concentration for Cross Section 03 :			*578*
2A46DT	10/04/99	10/04/99	0	05	1	1130	
					2	743	
					3	1310	
				Average Concentration for Cross Section 05 :			*1061*
2A46DT	10/04/99	10/04/99	0	07	1	1250	
					2	4050	
					3	4140	
				Average Concentration for Cross Section 07 :			*3147*
2A46DT	10/04/99	10/04/99	0	09	1	3910	
					2	1690	
					3	3060	
				Average Concentration for Cross Section 09 :			*2887*
2A46DT	10/04/99	10/04/99	0	11	1	LT 238	
					2	1560	
					3	1080	
				Average Concentration for Cross Section 11 :			*959*

Average Concentration for Windrow on Day 0 : 1726

Standard Deviation: 1372

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/04/99	10/13/99	9	03	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*250*
2A46DT	10/04/99	10/13/99	9	05	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*250*
2A46DT	10/04/99	10/13/99	9	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
2A46DT	10/04/99	10/13/99	9	09	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*250*
2A46DT	10/04/99	10/13/99	9	11	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 9 : 250

Standard Deviation: 0

Percent Reduction of 2A46DT: 85.52%

Windrow Number: M113 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	10/04/99	10/04/99	0	03	1	LT	238
					2	LT	250
					3	LT	217
				Average Concentration for Cross Section 03 :			*235*
2NT	10/04/99	10/04/99	0	05	1	LT	238
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 05 :			*238*
2NT	10/04/99	10/04/99	0	07	1	LT	227
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*231*
2NT	10/04/99	10/04/99	0	09	1	LT	217
					2	LT	208
					3	LT	208
				Average Concentration for Cross Section 09 :			*211*
2NT	10/04/99	10/04/99	0	11	1	LT	238
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 11 :			*234*

Average Concentration for Windrow on Day 0 : 230

Standard Deviation: 13

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	10/04/99	10/13/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
2NT	10/04/99	10/13/99	9	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
2NT	10/04/99	10/13/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2NT	10/04/99	10/13/99	9	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
2NT	10/04/99	10/13/99	9	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 9 : 250

Standard Deviation: 0

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M113 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	10/04/99	10/04/99	0	03	1	LT	238
					2	LT	250
					3	LT	217
				Average Concentration for Cross Section 03 :			*235*
3NT	10/04/99	10/04/99	0	05	1	LT	238
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 05 :			*238*
3NT	10/04/99	10/04/99	0	07	1	LT	227
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*231*
3NT	10/04/99	10/04/99	0	09	1	LT	217
					2	LT	208
					3	LT	208
				Average Concentration for Cross Section 09 :			*211*
3NT	10/04/99	10/04/99	0	11	1	LT	238
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 11 :			*234*

Average Concentration for Windrow on Day 0 : 230

Standard Deviation: 13

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	10/04/99	10/13/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
3NT	10/04/99	10/13/99	9	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
3NT	10/04/99	10/13/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
3NT	10/04/99	10/13/99	9	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
3NT	10/04/99	10/13/99	9	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 9 : 250

Standard Deviation: 0

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M113 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	10/04/99	10/04/99	0	03	1	LT	238	
					2	LT	250	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*235*
4A26DT	10/04/99	10/04/99	0	05	1	LT	238	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*238*
4A26DT	10/04/99	10/04/99	0	07	1	LT	227	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*231*
4A26DT	10/04/99	10/04/99	0	09	1		6180	
					2	LT	208	
					3	LT	208	
				Average Concentration for Cross Section 09 :				*2199*
4A26DT	10/04/99	10/04/99	0	11	1	LT	238	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*234*
					Average Concentration for Windrow on Day 0 :			***627***
							Standard Deviation:	***1536***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	10/04/99	10/13/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
4A26DT	10/04/99	10/13/99	9	05	1	LT	250	
					2		629	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*376*
4A26DT	10/04/99	10/13/99	9	07	1	LT	250	
					2		378	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*293*
4A26DT	10/04/99	10/13/99	9	09	1		148 J	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*216*
4A26DT	10/04/99	10/13/99	9	11	1	LT	250	
					2		425	
					3		452	
				Average Concentration for Cross Section 11 :				*376*
					Average Concentration for Windrow on Day 9 :			***302***
							Standard Deviation:	***120***

Percent Reduction of 4A26DT: 51.84%

Windrow Number: M113 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	10/04/99	10/04/99	0	03	1	LT	238
					2	LT	250
					3	LT	217
				Average Concentration for Cross Section 03 :			*235*
4NT	10/04/99	10/04/99	0	05	1	LT	238
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 05 :			*238*
4NT	10/04/99	10/04/99	0	07	1	LT	227
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*231*
4NT	10/04/99	10/04/99	0	09	1	LT	217
					2	LT	208
					3	LT	208
				Average Concentration for Cross Section 09 :			*211*
4NT	10/04/99	10/04/99	0	11	1	LT	238
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 11 :			*234*
				Average Concentration for Windrow on Day 0 :			***230***
						Standard Deviation:	***13***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	10/04/99	10/13/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
4NT	10/04/99	10/13/99	9	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
4NT	10/04/99	10/13/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
4NT	10/04/99	10/13/99	9	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
4NT	10/04/99	10/13/99	9	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*
				Average Concentration for Windrow on Day 9 :			***250***
						Standard Deviation:	***0***

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M113 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	10/04/99	10/04/99	0	03	1	31800	
					2	21700	
					3	13900	
					Average Concentration for Cross Section 03 :		*22467*
HMX	10/04/99	10/04/99	0	05	1	34000	
					2	23000	
					3	59000	
					Average Concentration for Cross Section 05 :		*38667*
HMX	10/04/99	10/04/99	0	07	1	22300	
					2	2580	
					3	12800	
					Average Concentration for Cross Section 07 :		*12560*
HMX	10/04/99	10/04/99	0	09	1	11300	
					2	23100	
					3	16500	
					Average Concentration for Cross Section 09 :		*16967*
HMX	10/04/99	10/04/99	0	11	1	13000	
					2	8220	
					3	14400	
					Average Concentration for Cross Section 11 :		*11873*

Average Concentration for Windrow on Day 0 : 20507

Standard Deviation: 13572

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	10/04/99	10/13/99	9	03	1	LT 2200	
					2	2580	
					3	LT 2200	
					Average Concentration for Cross Section 03 :		*2327*
HMX	10/04/99	10/13/99	9	05	1	LT 2200	
					2	6920	
					3	LT 2200	
					Average Concentration for Cross Section 05 :		*3773*
HMX	10/04/99	10/13/99	9	07	1	LT 2200	
					2	LT 2200	
					3	LT 2200	
					Average Concentration for Cross Section 07 :		*2200*
HMX	10/04/99	10/13/99	9	09	1	LT 2200	
					2	LT 2200	
					3	LT 2200	
					Average Concentration for Cross Section 09 :		*2200*
HMX	10/04/99	10/13/99	9	11	1	LT 2200	
					2	LT 2200	
					3	LT 2200	
					Average Concentration for Cross Section 11 :		*2200*

Average Concentration for Windrow on Day 9 : 2540

Standard Deviation: 1216

Percent Reduction of HMX: 87.61%

Windrow Number: M113 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	10/04/99	10/04/99	0	03	1	LT	248	
					2	LT	260	
					3	LT	226	
					Average Concentration for Cross Section 03 :			*245*
NB	10/04/99	10/04/99	0	05	1	LT	248	
					2	LT	236	
					3	LT	260	
					Average Concentration for Cross Section 05 :			*248*
NB	10/04/99	10/04/99	0	07	1	LT	236	
					2	LT	248	
					3	LT	236	
					Average Concentration for Cross Section 07 :			*240*
NB	10/04/99	10/04/99	0	09	1	LT	226	
					2	LT	217	
					3	LT	217	
					Average Concentration for Cross Section 09 :			*220*
NB	10/04/99	10/04/99	0	11	1	LT	248	
					2	LT	248	
					3	LT	236	
					Average Concentration for Cross Section 11 :			*244*

Average Concentration for Windrow on Day 0 : 239

Standard Deviation: 14

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	10/04/99	10/13/99	9	03	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 03 :			*260*
NB	10/04/99	10/13/99	9	05	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 05 :			*260*
NB	10/04/99	10/13/99	9	07	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 07 :			*260*
NB	10/04/99	10/13/99	9	09	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 09 :			*260*
NB	10/04/99	10/13/99	9	11	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 9 : 260

Standard Deviation: 0

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M113 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	10/04/99	10/04/99	0	03	1	GT	251000	E
					2	GT	176000	E
					3	GT	119000	E
				Average Concentration for Cross Section 03 :				*182000*
RDX	10/04/99	10/04/99	0	05	1	GT	273000	E
					2	GT	152000	E
					3	GT	333000	E
				Average Concentration for Cross Section 05 :				*252667*
RDX	10/04/99	10/04/99	0	07	1	GT	227000	E
					2	GT	56000	E
					3	GT	136000	E
				Average Concentration for Cross Section 07 :				*139667*
RDX	10/04/99	10/04/99	0	09	1	GT	139000	E
					2	GT	181000	E
					3	GT	124000	E
				Average Concentration for Cross Section 09 :				*148000*
RDX	10/04/99	10/04/99	0	11	1	GT	137000	E
					2	GT	89500	E
					3	GT	106000	E
				Average Concentration for Cross Section 11 :				*110833*

Average Concentration for Windrow on Day 0 : 166633

Standard Deviation: 75021

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	10/04/99	10/13/99	9	03	1	LT	1000	
					2		2400	
					3	LT	1000	
				Average Concentration for Cross Section 03 :				*1467*
RDX	10/04/99	10/13/99	9	05	1		906	J
					2		7250	
					3	LT	1000	
				Average Concentration for Cross Section 05 :				*3052*
RDX	10/04/99	10/13/99	9	07	1		2270	
					2		4210	
					3	LT	1000	
				Average Concentration for Cross Section 07 :				*2493*
RDX	10/04/99	10/13/99	9	09	1		1100	
					2		1070	
					3		7800	
				Average Concentration for Cross Section 09 :				*3323*
RDX	10/04/99	10/13/99	9	11	1		1600	
					2		2040	
					3		1220	
				Average Concentration for Cross Section 11 :				*1620*

Average Concentration for Windrow on Day 9 : 2391

Standard Deviation: 2263

Percent Reduction of RDX: 98.57%

Windrow Number: M113 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	10/04/99	10/04/99	0	03	1	LT	619	
					2	LT	650	
					3	LT	565	
				Average Concentration for Cross Section 03 :				*611*
TETRYL	10/04/99	10/04/99	0	05	1	LT	619	
					2	LT	591	
					3	LT	650	
				Average Concentration for Cross Section 05 :				*620*
TETRYL	10/04/99	10/04/99	0	07	1	LT	591	
					2	LT	619	
					3	LT	591	
				Average Concentration for Cross Section 07 :				*600*
TETRYL	10/04/99	10/04/99	0	09	1	LT	565	
					2	LT	542	
					3	LT	542	
				Average Concentration for Cross Section 09 :				*550*
TETRYL	10/04/99	10/04/99	0	11	1	LT	619	
					2	LT	619	
					3	LT	591	
				Average Concentration for Cross Section 11 :				*610*

Average Concentration for Windrow on Day 0 : 598

Standard Deviation: 34

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	10/04/99	10/13/99	9	03	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 03 :				*650*
TETRYL	10/04/99	10/13/99	9	05	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 05 :				*650*
TETRYL	10/04/99	10/13/99	9	07	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 07 :				*650*
TETRYL	10/04/99	10/13/99	9	09	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 09 :				*650*
TETRYL	10/04/99	10/13/99	9	11	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 11 :				*650*

Average Concentration for Windrow on Day 9 : 650

Standard Deviation: 0

Percent Reduction of TETRYL: Not Applicable; Sample Results Below Reporting Limit

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-114 Day 0: 10/5/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2470	5.275	11605	20.475	19825
2	3	5710	12	2390	5.275	11605	20.275	19705
3	3.15	5820	12.15	2510	5.275	11605	20.575	19935
4	3.1	5740	12.1	2470	5.275	11605	20.475	19815
5	3.1	5760	12.1	2450	5.275	11605	20.475	19815
6	3.1	5730	12.15	2540	5.275	11605	20.525	19875
7	3.1	5770	12.1	2460	5.275	11605	20.475	19835
8	3.15	5840	12.15	2530	5.275	11605	20.575	19975
9	3.1	5760	12.1	2450	5.275	11605	20.475	19815
10	3.1	5770	12.1	2490	5.275	11605	20.475	19865
11	3.1	5780	11.75	2340	5.275	11605	20.125	19725
12	3.1	5720	12	2390	5.275	11605	20.375	19715
13	3.1	5740	11.25	2270	5.275	11605	19.625	19615
14	3	5700	12.1	2440	5.275	11605	20.375	19745
15	3.1	5770	12.1	2460	5.275	11605	20.475	19835
16	3.1	5720	12.1	2410	5.275	11605	20.475	19735
17	3.1	5790	12.15	2540	5.275	11605	20.525	19935
18	3.1	5740	12.1	2470	5.275	11605	20.475	19815
19	2.75	5650	12.1	2450	5.275	11605	20.125	19705
20	3.1	5790	12.15	2560	5.275	11605	20.525	19955
21	3.25	5870	12.15	2620	5.275	11605	20.675	20095
22	3	5680	12	2360	5.275	11605	20.275	19645
23	3.15	5810	12.25	2510	5.275	11605	20.675	19925
24	3.15	5800	12	2440	5.275	11605	20.425	19845
25	3	5680	12	2370	5.275	11605	20.275	19655
26	3	5710	12.25	2490	5.275	11605	20.525	19805
27	3.1	5780	12	2350	5.275	11605	20.375	19735
28	3.15	5840	12	2440	5.275	11605	20.425	19885
29	3	5780	12.5	2590	5.275	11605	20.775	19975
30	3.25	5880	12.75	2640	5.275	11605	21.275	20125
31	3.15	5810	12.5	2570	5.275	11605	20.925	19985
32	3	5760	12	2410	5.275	11605	20.275	19775
33	2.95	5650	12	2370	5.275	11605	20.225	19625
34	3.1	5810	12	2390	5.275	11605	20.375	19805
35	3	5770	12.25	2490	5.275	11605	20.525	19865
36	3	5790	12.5	2520	5.275	11605	20.775	19915
37	3.15	5820	12.5	2550	5.275	11605	20.925	19975
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	113.95	213290	448.5	91200	211.00	464200	773.45	768690

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 114 PERFORMED BY: Howard

DATE: 10/5/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2470				
2	3	5710	12	2390				
3	3.15	5820	12.15	2510				
4	3.10	5740	12.10	2470				
5	3.10	5760	12.10	2450				
6	3.10	5730	12.15	2540				
7	3.10	5770	12.10	2460				
8	3.15	5840	12.15	2530				
9	3.10	5760	12.10	2450				
10	3.10	5770	12.10	2490				
11	3.10	5780	11.75	2340				
12	3.10	5720	12	2390				
13	3.10	5740	11.25	2270				
14	3	5700	12.10	2440				
15	3.10	5770	12.10	2460				
16	3.10	5720	12.10	2410				
17	3.10	5790	12.15	2540				
18	3.10	5740	12.10	2470				
19	2.75	5650	12.10	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 114 PERFORMED BY: Howard

DATE: 10 15 199 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5790	12.15	2560				
21								
22								
23								
24								
25								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # S14 PERFORMED BY: _____

DATE: 10/5/99 INSPECTED BY: Oayhff

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: WW PRODUCE		STRAW Supplier: PAYSTOUT		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	5870	12.25	2620				
2	3	5680	12	2360				
3	3.15	5810	12.25	2510				
4	3.15	5800	12	2440				
5	3	5680	12	2370				
6	3	5710	12.25	2490				
7	3.10	5780	12	2350				
8	3.15	5840	12	2440				
9	3	5780	12.50	2590				
10	3.25	5880	12.25	2640				
11	3.15	5810	12.50	2570				
12	3	5960	12	2410				
13	2.95	5650	12.00	2370				
14	3.10	5810	12	2390				
15	3	5770	12.25	2490				
16	3	5790	12.50	2520				
17	3.15	5820	12.50	2550				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S114	10/5/99	10/5/99	0		27.13
		10/6/99	1	43.87	60.30
		10/7/99	2	60.63	56.63
		10/8/99	3	63.93	56.33
		10/9/99	4	64.07	58.50
		10/10/99	5	67.63	60.40
		10/11/99	6	67.20	64.23
		10/12/99	7	63.47	59.00
		10/13/99	8	65.27	61.53
		10/14/99	9	68.00	60.47
		10/15/99	10	69.14	62.10

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S114	10/5/99	10/5/99	0		13.40
		10/6/99	1	8.63	11.07
		10/7/99	2	5.47	8.87
		10/8/99	3	5.17	7.07
		10/9/99	4	7.53	8.53
		10/10/99	5	7.37	9.10
		10/11/99	6	12.97	
		10/12/99	7		9.30
		10/13/99	8	8.07	7.23
		10/14/99	9	10.90	13.03
		10/15/99	10	6.47	9.33

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S114	10/5/99	10/5/99	0		43.02
		10/6/99	1		42.74
		10/7/99	2		52.40
		10/11/99	6		38.62
		10/12/99	7		43.42
		10/14/99	9		40.86

All average MWHC values are expressed in percent

Windrow Number: S114 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	10/05/99	10/05/99	0	03	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
135TNB	10/05/99	10/05/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
135TNB	10/05/99	10/05/99	0	07	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*242*
135TNB	10/05/99	10/05/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
135TNB	10/05/99	10/05/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : ***247***

Standard Deviation: ***5***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	10/05/99	10/15/99	10	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
135TNB	10/05/99	10/15/99	10	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
135TNB	10/05/99	10/15/99	10	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
135TNB	10/05/99	10/15/99	10	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
135TNB	10/05/99	10/15/99	10	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 10 : ***250***

Standard Deviation: ***0***

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S114 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	10/05/99	10/05/99	0	03	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
13DNB	10/05/99	10/05/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
13DNB	10/05/99	10/05/99	0	07	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*242*
13DNB	10/05/99	10/05/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
13DNB	10/05/99	10/05/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : ***247***

Standard Deviation: ***5***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	10/05/99	10/15/99	10	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
13DNB	10/05/99	10/15/99	10	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
13DNB	10/05/99	10/15/99	10	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
13DNB	10/05/99	10/15/99	10	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
13DNB	10/05/99	10/15/99	10	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 10 : ***250***

Standard Deviation: ***0***

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S114 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	10/05/99	10/05/99	0	03	1	4770	
					2	5270	
					3	10100	
					Average Concentration for Cross Section 03 :		*6713*
246TNT	10/05/99	10/05/99	0	05	1	10300	
					2	6830	
					3	2600	
					Average Concentration for Cross Section 05 :		*6577*
246TNT	10/05/99	10/05/99	0	07	1	9430	
					2	6190	
					3	GT 28600 E	
					Average Concentration for Cross Section 07 :		*14740*
246TNT	10/05/99	10/05/99	0	09	1	GT 129000 E	
					2	GT 176000 E	
					3	GT 25300 E	
					Average Concentration for Cross Section 09 :		*110100*
246TNT	10/05/99	10/05/99	0	11	1	GT 173000 E	
					2	GT 107000 E	
					3	GT 163000 E	
					Average Concentration for Cross Section 11 :		*147667*

Average Concentration for Windrow on Day 0 : 57159

Standard Deviation: 69925

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	10/05/99	10/15/99	10	03	1	LT 250	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 03 :		*250*
246TNT	10/05/99	10/15/99	10	05	1	LT 250	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 05 :		*250*
246TNT	10/05/99	10/15/99	10	07	1	LT 250	
					2	5620	
					3	LT 250	
					Average Concentration for Cross Section 07 :		*2040*
246TNT	10/05/99	10/15/99	10	09	1	317	
					2	LT 250	
					3	426	
					Average Concentration for Cross Section 09 :		*331*
246TNT	10/05/99	10/15/99	10	11	1	889	
					2	155 J	
					3	LT 250	
					Average Concentration for Cross Section 11 :		*431*

Average Concentration for Windrow on Day 10 : 660

Standard Deviation: 1383

Percent Reduction of 246TNT: 98.84%

Windrow Number: S114 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	10/05/99	10/05/99	0	03	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
24DNT	10/05/99	10/05/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
24DNT	10/05/99	10/05/99	0	07	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*242*
24DNT	10/05/99	10/05/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
24DNT	10/05/99	10/05/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : ***247***

Standard Deviation: ***5***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	10/05/99	10/15/99	10	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
24DNT	10/05/99	10/15/99	10	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
24DNT	10/05/99	10/15/99	10	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
24DNT	10/05/99	10/15/99	10	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
24DNT	10/05/99	10/15/99	10	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 10 : ***250***

Standard Deviation: ***0***

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S114 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	10/05/99	10/05/99	0	03	1	LT 260	
					2	LT 248	
					3	LT 248	
					Average Concentration for Cross Section 03 :		*252*
26DNT	10/05/99	10/05/99	0	05	1	LT 260	
					2	LT 260	
					3	LT 260	
					Average Concentration for Cross Section 05 :		*260*
26DNT	10/05/99	10/05/99	0	07	1	LT 260	
					2	LT 248	
					3	LT 248	
					Average Concentration for Cross Section 07 :		*252*
26DNT	10/05/99	10/05/99	0	09	1	LT 260	
					2	LT 260	
					3	LT 260	
					Average Concentration for Cross Section 09 :		*260*
26DNT	10/05/99	10/05/99	0	11	1	LT 260	
					2	LT 260	
					3	LT 260	
					Average Concentration for Cross Section 11 :		*260*
					Average Concentration for Windrow on Day 0 :		***257***
					Standard Deviation:		***5***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	10/05/99	10/15/99	10	03	1	LT 260	
					2	LT 260	
					3	LT 260	
					Average Concentration for Cross Section 03 :		*260*
26DNT	10/05/99	10/15/99	10	05	1	LT 260	
					2	LT 260	
					3	LT 260	
					Average Concentration for Cross Section 05 :		*260*
26DNT	10/05/99	10/15/99	10	07	1	LT 260	
					2	LT 260	
					3	LT 260	
					Average Concentration for Cross Section 07 :		*260*
26DNT	10/05/99	10/15/99	10	09	1	LT 260	
					2	LT 260	
					3	LT 260	
					Average Concentration for Cross Section 09 :		*260*
26DNT	10/05/99	10/15/99	10	11	1	LT 260	
					2	LT 260	
					3	LT 260	
					Average Concentration for Cross Section 11 :		*260*
					Average Concentration for Windrow on Day 10 :		***260***
					Standard Deviation:		***0***

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S114 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/05/99	10/05/99	0	03	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 03 :		*242*
2A46DT	10/05/99	10/05/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
2A46DT	10/05/99	10/05/99	0	07	1	LT	250
					2	LT	238
					3		918
					Average Concentration for Cross Section 07 :		*469*
2A46DT	10/05/99	10/05/99	0	09	1		2160
					2		2450
					3	LT	250
					Average Concentration for Cross Section 09 :		*1620*
2A46DT	10/05/99	10/05/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 0 : 566

Standard Deviation: 729

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/05/99	10/15/99	10	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
2A46DT	10/05/99	10/15/99	10	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
2A46DT	10/05/99	10/15/99	10	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
2A46DT	10/05/99	10/15/99	10	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
2A46DT	10/05/99	10/15/99	10	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 10 : 250

Standard Deviation: 0

Percent Reduction of 2A46DT: 55.84%

Windrow Number: S114 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	10/05/99	10/05/99	0	03	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 03 :			*242*
2NT	10/05/99	10/05/99	0	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
2NT	10/05/99	10/05/99	0	07	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 07 :			*242*
2NT	10/05/99	10/05/99	0	09	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*250*
2NT	10/05/99	10/05/99	0	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*250*
					Average Concentration for Windrow on Day 0 :			***247***
					Standard Deviation:			***5***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	10/05/99	10/15/99	10	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
2NT	10/05/99	10/15/99	10	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
2NT	10/05/99	10/15/99	10	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
2NT	10/05/99	10/15/99	10	09	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*250*
2NT	10/05/99	10/15/99	10	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*250*
					Average Concentration for Windrow on Day 10 :			***250***
					Standard Deviation:			***0***

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S114 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	10/05/99	10/05/99	0	03	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 03 :		*242*
3NT	10/05/99	10/05/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
3NT	10/05/99	10/05/99	0	07	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 07 :		*242*
3NT	10/05/99	10/05/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
3NT	10/05/99	10/05/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 0 : 247

Standard Deviation: 5

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	10/05/99	10/15/99	10	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
3NT	10/05/99	10/15/99	10	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
3NT	10/05/99	10/15/99	10	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
3NT	10/05/99	10/15/99	10	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
3NT	10/05/99	10/15/99	10	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 10 : 250

Standard Deviation: 0

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S114 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	10/05/99	10/05/99	0	03	1	853	
					2	3750	
					3	8040	
					Average Concentration for Cross Section 03 :		*4214*
4A26DT	10/05/99	10/05/99	0	05	1	LT 250	
					2	LT 250	
					3	722	
					Average Concentration for Cross Section 05 :		*407*
4A26DT	10/05/99	10/05/99	0	07	1	880	
					2	2560	
					3	2800	
					Average Concentration for Cross Section 07 :		*2080*
4A26DT	10/05/99	10/05/99	0	09	1	LT 250	
					2	LT 250	
					3	8560	
					Average Concentration for Cross Section 09 :		*3020*
4A26DT	10/05/99	10/05/99	0	11	1	LT 250	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 0 : 1994

Standard Deviation: 2792

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	10/05/99	10/15/99	10	03	1	LT 250	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 03 :		*250*
4A26DT	10/05/99	10/15/99	10	05	1	LT 250	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 05 :		*250*
4A26DT	10/05/99	10/15/99	10	07	1	LT 250	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 07 :		*250*
4A26DT	10/05/99	10/15/99	10	09	1	LT 250	
					2	LT 250	
					3	1480	
					Average Concentration for Cross Section 09 :		*660*
4A26DT	10/05/99	10/15/99	10	11	1	LT 250	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 10 : 332

Standard Deviation: 318

Percent Reduction of 4A26DT: 83.35%

Windrow Number: S114 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	10/05/99	10/05/99	0	03	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
4NT	10/05/99	10/05/99	0	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
4NT	10/05/99	10/05/99	0	07	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*242*
4NT	10/05/99	10/05/99	0	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
4NT	10/05/99	10/05/99	0	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 0 : 247

Standard Deviation: 5

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	10/05/99	10/15/99	10	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
4NT	10/05/99	10/15/99	10	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
4NT	10/05/99	10/15/99	10	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
4NT	10/05/99	10/15/99	10	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
4NT	10/05/99	10/15/99	10	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 10 : 250

Standard Deviation: 0

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S114 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	10/05/99	10/05/99	0	03	1	GT	71400 E	
					2		9560	
					3		53400	
					Average Concentration for Cross Section 03 :			*44787*
HMX	10/05/99	10/05/99	0	05	1	GT	64800 E	
					2		34200	
					3		16200	
					Average Concentration for Cross Section 05 :			*38400*
HMX	10/05/99	10/05/99	0	07	1		24700	
					2	GT	63400 E	
					3	GT	155000 E	
					Average Concentration for Cross Section 07 :			*81033*
HMX	10/05/99	10/05/99	0	09	1		49300	
					2		38600	
					3		4180	
					Average Concentration for Cross Section 09 :			*30693*
HMX	10/05/99	10/05/99	0	11	1		32800	
					2		31600	
					3		31100	
					Average Concentration for Cross Section 11 :			*31833*

Average Concentration for Windrow on Day 0 : 45349

Standard Deviation: 36310

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	10/05/99	10/15/99	10	03	1	LT	2200	
					2	LT	2200	
					3	LT	2200	
					Average Concentration for Cross Section 03 :			*2200*
HMX	10/05/99	10/15/99	10	05	1	LT	2200	
					2	LT	2200	
					3	LT	2200	
					Average Concentration for Cross Section 05 :			*2200*
HMX	10/05/99	10/15/99	10	07	1	LT	2200	
					2	LT	2200	
					3		8370	
					Average Concentration for Cross Section 07 :			*4257*
HMX	10/05/99	10/15/99	10	09	1	LT	2200	
					2	LT	2200	
					3		7640	
					Average Concentration for Cross Section 09 :			*4013*
HMX	10/05/99	10/15/99	10	11	1	LT	2200	
					2	LT	2200	
					3	LT	2200	
					Average Concentration for Cross Section 11 :			*2200*

Average Concentration for Windrow on Day 10 : 2974

Standard Deviation: 2047

Percent Reduction of HMX: 93.44%

Windrow Number: S114 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	10/05/99	10/05/99	0	03	1	LT	260	
					2	LT	248	
					3	LT	248	
					Average Concentration for Cross Section 03 :			*252*
NB	10/05/99	10/05/99	0	05	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 05 :			*260*
NB	10/05/99	10/05/99	0	07	1	LT	260	
					2	LT	248	
					3	LT	248	
					Average Concentration for Cross Section 07 :			*252*
NB	10/05/99	10/05/99	0	09	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 09 :			*260*
NB	10/05/99	10/05/99	0	11	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 0 : 257

Standard Deviation: 5

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	10/05/99	10/15/99	10	03	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 03 :			*260*
NB	10/05/99	10/15/99	10	05	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 05 :			*260*
NB	10/05/99	10/15/99	10	07	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 07 :			*260*
NB	10/05/99	10/15/99	10	09	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 09 :			*260*
NB	10/05/99	10/15/99	10	11	1	LT	260	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 10 : 260

Standard Deviation: 0

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S114 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	10/05/99	10/05/99	0	03	1	GT	424000 E	
					2	GT	35400 E	
					3	GT	450000 E	
					Average Concentration for Cross Section 03 :			*303133*
RDX	10/05/99	10/05/99	0	05	1	GT	473000 E	
					2	GT	212000 E	
					3	GT	146000 E	
					Average Concentration for Cross Section 05 :			*277000*
RDX	10/05/99	10/05/99	0	07	1	GT	217000 E	
					2	GT	514000 E	
					3	GT	6140000	
					Average Concentration for Cross Section 07 :			*2290333*
RDX	10/05/99	10/05/99	0	09	1	GT	354000 E	
					2	GT	270000 E	
					3	GT	58300 E	
					Average Concentration for Cross Section 09 :			*227433*
RDX	10/05/99	10/05/99	0	11	1	GT	249000 E	
					2	GT	249000 E	
					3	GT	188000 E	
					Average Concentration for Cross Section 11 :			*228667*

Average Concentration for Windrow on Day 0 : 665313

Standard Deviation: 1521412

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	10/05/99	10/15/99	10	03	1		2860	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 03 :			*1620*
RDX	10/05/99	10/15/99	10	05	1		5100	
					2	LT	1000	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*2367*
RDX	10/05/99	10/15/99	10	07	1		2220	
					2		3230	
					3		1340	
					Average Concentration for Cross Section 07 :			*2263*
RDX	10/05/99	10/15/99	10	09	1		2330	
					2	LT	1000	
					3		15000	
					Average Concentration for Cross Section 09 :			*6110*
RDX	10/05/99	10/15/99	10	11	1		6740	
					2		2670	
					3		2890	
					Average Concentration for Cross Section 11 :			*4100*

Average Concentration for Windrow on Day 10 : 3292

Standard Deviation: 3636

Percent Reduction of RDX: 99.51%

Windrow Number: S114 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	10/05/99	10/05/99	0	03	1	LT	650
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 03 :			*629*
TETRYL	10/05/99	10/05/99	0	05	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 05 :			*650*
TETRYL	10/05/99	10/05/99	0	07	1	LT	650
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 07 :			*629*
TETRYL	10/05/99	10/05/99	0	09	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 09 :			*650*
TETRYL	10/05/99	10/05/99	0	11	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 11 :			*650*

Average Concentration for Windrow on Day 0 : 642

Standard Deviation: 14

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	10/05/99	10/15/99	10	03	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 03 :			*650*
TETRYL	10/05/99	10/15/99	10	05	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 05 :			*650*
TETRYL	10/05/99	10/15/99	10	07	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 07 :			*650*
TETRYL	10/05/99	10/15/99	10	09	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 09 :			*650*
TETRYL	10/05/99	10/15/99	10	11	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 11 :			*650*

Average Concentration for Windrow on Day 10 : 650

Standard Deviation: 0

Percent Reduction of TETRYL: Not Applicable; Sample Results Below Reporting Limit

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-115 Day 0: 10/6/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.25	5840	12	2380	5.275	11605	20.525	19825
2	3	5780	12.5	2540	5.275	11605	20.775	19925
3	3.25	5890	12.75	2610	5.275	11605	21.275	20105
4	3	5780	12	2480	5.275	11605	20.275	19865
5	3	5680	12.25	2510	5.275	11605	20.525	19795
6	3	5790	12	2320	5.275	11605	20.275	19715
7	3.15	5810	12.2	2490	5.275	11605	20.625	19905
8	3.5	5920	12.75	2610	5.275	11605	21.525	20135
9	3.1	5790	12.1	2500	5.275	11605	20.475	19895
10	3.6	6100	13	2920	5.275	11605	21.875	20625
11	3	5730	12.1	2550	5.275	11605	20.375	19885
12	3.25	5890	12	2360	5.275	11605	20.525	19855
13	3	5770	12.5	2510	5.275	11605	20.775	19885
14	3.25	5840	12.5	2570	5.275	11605	21.025	20015
15	3	5760	11.75	2300	5.275	11605	20.025	19665
16	3.25	5820	12.75	2640	5.275	11605	21.275	20065
17	3.25	5830	12.15	2610	5.275	11605	20.675	20045
18	3	5740	12.1	2530	5.275	11605	20.375	19875
19	3.25	5860	12.25	2640	5.275	11605	20.775	20105
20	3.4	5960	12	2640	5.275	11605	20.675	20205
21	3.25	5840	12	2620	5.275	11605	20.525	20065
22	3.5	6130	11.75	2220	5.275	11605	20.525	19955
23	3.5	6240	12	2370	5.275	11605	20.775	20215
24	3.3	6040	12.5	2830	5.275	11605	21.075	20475
25	3.25	5810	12.25	2580	5.275	11605	20.775	19995
26	3.25	5960	12	2430	5.275	11605	20.525	19995
27	3.25	5950	12.25	2540	5.275	11605	20.775	20095
28	3.25	5880	12	2480	5.275	11605	20.525	19965
29	3.3	6060	12	2410	5.275	11605	20.575	20075
30	3.25	5810	12	2380	5.275	11605	20.525	19795
31	3	5670	12	2410	5.275	11605	20.275	19685
32	3	5790	12	2360	5.275	11605	20.275	19755
33	3	5730	12.25	2570	5.275	11605	20.525	19905
34	3.1	5810	12.3	2610	5.275	11605	20.675	20025
35	3.3	6000	12	2490	5.275	11605	20.575	20095
36	3	5820	12.35	2830	5.275	11605	20.625	20255
37	3	5680	12.3	2640	5.275	11605	20.575	19925
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	118	216800	451.6	93480	211.00	464200	780.6	774480

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M115 PERFORMED BY: D PRUETT

DATE: 10/6/99 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.40	5960	12	2640				
2	3.25	5840	12	2620				
3	3.50	6130	11.75	2220				
4	3.50	6240	12	2320				
5	3.30	6040	12.5	2830				
6	3.25	5810	12.25	2580				
7	3.25	5960	12	2430				
8	3.25	5950	12.25	2540				
9	3.25	5880	12	2480				
10	3.30	6060	12	2410				
11	3.25	5810	12	2380				
12	3	5670	12	2410				
13	3	5790	12	2360				
14	3	5730	12.25	2570				
15	3.10	5810	12.30	2610				
16	3.30	6000	12	2490				
17	3	5820	12.35	2830				
18	3.00	5680	12.30	2640				
19								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M 115 PERFORMED BY: _____

DATE: 10.16.99 INSPECTED BY: D Ayduff

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: WW Produce		STRAW Supplier: Ray Stout Loudenmilch Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	5840	12	2380				
2	3	5780	12.5	2540				
3	3.25	5990	12.75	2610				
4	3	5780	12	2480				
5	3	5680	12.25	2510				
6	3	5790	12	2320				
7	3.15	5810	12.20	2490				
8	3.50	5920	12.75	2610				
9	3.10	5790	12.10	2500				
10	3.60	6100	13.00	2920				
11	3	5730	12.10	2550				
12	3.25	5890	12	2260				
13	3	5770	12.50	2510				
14	3.25	5840	12.50	2570				
15	3	5760	11.75	2300				
16	3.25	5820	12.75	2640				
17.	3.25	5830	12.15	2610				
18.	3	5740	12.10	2530				
19.	3.25	5860	12.25	2640				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M115	10/6/99	10/6/99	0		30.37
		10/7/99	1	52.53	40.73
		10/8/99	2	62.50	52.00
		10/9/99	3	61.80	56.83
		10/10/99	4	65.73	59.70
		10/11/99	5	65.43	62.70
		10/12/99	6	65.10	61.80
		10/13/99	7	65.17	60.67
		10/14/99	8	67.17	62.50

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M115	10/6/99	10/6/99	0		8.67
		10/7/99	1	7.10	5.53
		10/8/99	2	5.27	7.07
		10/9/99	3	9.13	9.17
		10/10/99	4	7.80	8.77
		10/11/99	5	16.07	
		10/13/99	7	10.50	7.20
		10/14/99	8	11.83	12.63

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M115	10/6/99	10/6/99	0		39.88
		10/7/99	1		53.88
		10/11/99	5		41.18
		10/12/99	6		36.08

All average MWHC values are expressed in percent

Windrow Number: M115 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	10/06/99	10/06/99	0	03	1	LT	250	
					2	LT	200	
					3	LT	227	
				Average Concentration for Cross Section 03 :				*226*
135TNB	10/06/99	10/06/99	0	05	1	LT	238	
					2	LT	208	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*224*
135TNB	10/06/99	10/06/99	0	07	1	LT	238	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*227*
135TNB	10/06/99	10/06/99	0	09	1	LT	217	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*235*
135TNB	10/06/99	10/06/99	0	11	1	LT	192	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*212*
				Average Concentration for Windrow on Day 0 :				***225***
						Standard Deviation:		***17***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	10/06/99	10/14/99	8	03	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
135TNB	10/06/99	10/14/99	8	05	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*238*
135TNB	10/06/99	10/14/99	8	07	1	LT	238	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 07 :				*231*
135TNB	10/06/99	10/14/99	8	09	1	LT	250	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
135TNB	10/06/99	10/14/99	8	11	1	LT	208	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*217*
				Average Concentration for Windrow on Day 8 :				***233***
						Standard Deviation:		***12***

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M115 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	10/06/99	10/06/99	0	03	1	LT	250
					2	LT	200
					3	LT	227
				Average Concentration for Cross Section 03 :			*226*
13DNB	10/06/99	10/06/99	0	05	1	LT	238
					2	LT	208
					3	LT	227
				Average Concentration for Cross Section 05 :			*224*
13DNB	10/06/99	10/06/99	0	07	1	LT	238
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 07 :			*227*
13DNB	10/06/99	10/06/99	0	09	1	LT	217
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*235*
13DNB	10/06/99	10/06/99	0	11	1	LT	192
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 11 :			*212*

Average Concentration for Windrow on Day 0 : 225

Standard Deviation: 17

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	10/06/99	10/14/99	8	03	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
13DNB	10/06/99	10/14/99	8	05	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*238*
13DNB	10/06/99	10/14/99	8	07	1	LT	238
					2	LT	238
					3	LT	217
				Average Concentration for Cross Section 07 :			*231*
13DNB	10/06/99	10/14/99	8	09	1	LT	250
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
13DNB	10/06/99	10/14/99	8	11	1	LT	208
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 11 :			*217*

Average Concentration for Windrow on Day 8 : 233

Standard Deviation: 12

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M115 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	10/06/99	10/06/99	0	03	1	GT	61900	E
					2	GT	41200	E
					3	GT	88100	E
				Average Concentration for Cross Section 03 :				*63733*
246TNT	10/06/99	10/06/99	0	05	1	GT	75800	E
					2	GT	296000	E
					3	GT	133000	E
				Average Concentration for Cross Section 05 :				*168267*
246TNT	10/06/99	10/06/99	0	07	1	GT	80200	E
					2	GT	23300	E
					3	GT	167000	E
				Average Concentration for Cross Section 07 :				*90167*
246TNT	10/06/99	10/06/99	0	09	1	GT	1740000	
					2	GT	98100	E
					3	GT	80400	E
				Average Concentration for Cross Section 09 :				*639500*
246TNT	10/06/99	10/06/99	0	11	1	GT	52900	E
					2	GT	18100	E
					3	GT	19300	E
				Average Concentration for Cross Section 11 :				*30100*

Average Concentration for Windrow on Day 0 : 198353

Standard Deviation: 432289

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	10/06/99	10/14/99	8	03	1	LT	250	
					2		931	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*473*
246TNT	10/06/99	10/14/99	8	05	1	LT	238	
					2		888	
					3		1090	
				Average Concentration for Cross Section 05 :				*739*
246TNT	10/06/99	10/14/99	8	07	1		243	
					2		10400	
					3		2390	
				Average Concentration for Cross Section 07 :				*4344*
246TNT	10/06/99	10/14/99	8	09	1		451	
					2	LT	227	
					3		190	J
				Average Concentration for Cross Section 09 :				*289*
246TNT	10/06/99	10/14/99	8	11	1		324	
					2	LT	217	
					3		1090	
				Average Concentration for Cross Section 11 :				*544*

Average Concentration for Windrow on Day 8 : 1278

Standard Deviation: 2592

Percent Reduction of 246TNT: 99.36%

Windrow Number: M115 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	10/06/99	10/06/99	0	03	1	LT	250	
					2	LT	200	
					3	LT	227	
				Average Concentration for Cross Section 03 :				*226*
24DNT	10/06/99	10/06/99	0	05	1	LT	238	
					2	LT	208	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*224*
24DNT	10/06/99	10/06/99	0	07	1	LT	238	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*227*
24DNT	10/06/99	10/06/99	0	09	1	LT	217	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*235*
24DNT	10/06/99	10/06/99	0	11	1	LT	192	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*212*
				Average Concentration for Windrow on Day 0 :				*225*
						Standard Deviation:		*17*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	10/06/99	10/14/99	8	03	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
24DNT	10/06/99	10/14/99	8	05	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*238*
24DNT	10/06/99	10/14/99	8	07	1	LT	238	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 07 :				*231*
24DNT	10/06/99	10/14/99	8	09	1	LT	250	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
24DNT	10/06/99	10/14/99	8	11	1	LT	208	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*217*
				Average Concentration for Windrow on Day 8 :				*233*
						Standard Deviation:		*12*

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M115 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	10/06/99	10/06/99	0	03	1	LT	260
					2	LT	208
					3	LT	236
				Average Concentration for Cross Section 03 :			*235*
26DNT	10/06/99	10/06/99	0	05	1	LT	248
					2	LT	217
					3	LT	236
				Average Concentration for Cross Section 05 :			*234*
26DNT	10/06/99	10/06/99	0	07	1	LT	248
					2	LT	226
					3	LT	236
				Average Concentration for Cross Section 07 :			*237*
26DNT	10/06/99	10/06/99	0	09	1	LT	226
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 09 :			*245*
26DNT	10/06/99	10/06/99	0	11	1	LT	200
					2	LT	226
					3	LT	236
				Average Concentration for Cross Section 11 :			*221*
				Average Concentration for Windrow on Day 0 :			***234***
						Standard Deviation:	***17***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	10/06/99	10/14/99	8	03	1	LT	260
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 03 :			*252*
26DNT	10/06/99	10/14/99	8	05	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 05 :			*248*
26DNT	10/06/99	10/14/99	8	07	1	LT	248
					2	LT	248
					3	LT	226
				Average Concentration for Cross Section 07 :			*241*
26DNT	10/06/99	10/14/99	8	09	1	LT	260
					2	LT	236
					3	LT	248
				Average Concentration for Cross Section 09 :			*248*
26DNT	10/06/99	10/14/99	8	11	1	LT	217
					2	LT	226
					3	LT	236
				Average Concentration for Cross Section 11 :			*226*
				Average Concentration for Windrow on Day 8 :			***243***
						Standard Deviation:	***12***

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M115 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	10/06/99	10/06/99	0	03	1		3450	
					2		1380	
					3		1260	
					Average Concentration for Cross Section 03 :			*2030*
2A46DT	10/06/99	10/06/99	0	05	1		1590	
					2		2040	
					3		1600	
					Average Concentration for Cross Section 05 :			*1743*
2A46DT	10/06/99	10/06/99	0	07	1		747	
					2	LT	217	
					3		2230	
					Average Concentration for Cross Section 07 :			*1065*
2A46DT	10/06/99	10/06/99	0	09	1		2730	
					2		11800	
					3		3040	
					Average Concentration for Cross Section 09 :			*5857*
2A46DT	10/06/99	10/06/99	0	11	1		1460	
					2		3880	
					3		3690	
					Average Concentration for Cross Section 11 :			*3010*

Average Concentration for Windrow on Day 0 : 2741

Standard Deviation: 2729

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	10/06/99	10/14/99	8	03	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 03 :			*242*
2A46DT	10/06/99	10/14/99	8	05	1	LT	238	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 05 :			*238*
2A46DT	10/06/99	10/14/99	8	07	1	LT	238	
					2	LT	238	
					3	LT	217	
					Average Concentration for Cross Section 07 :			*231*
2A46DT	10/06/99	10/14/99	8	09	1	LT	250	
					2	LT	227	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*238*
2A46DT	10/06/99	10/14/99	8	11	1	LT	208	
					2	LT	217	
					3	LT	227	
					Average Concentration for Cross Section 11 :			*217*

Average Concentration for Windrow on Day 8 : 233

Standard Deviation: 12

Percent Reduction of 2A46DT: 91.49%

Windrow Number: M115 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	10/06/99	10/06/99	0	03	1	LT	250
					2	LT	200
					3	LT	227
				Average Concentration for Cross Section 03 :			*226*
2NT	10/06/99	10/06/99	0	05	1	LT	238
					2	LT	208
					3	LT	227
				Average Concentration for Cross Section 05 :			*224*
2NT	10/06/99	10/06/99	0	07	1	LT	238
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 07 :			*227*
2NT	10/06/99	10/06/99	0	09	1	LT	217
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*235*
2NT	10/06/99	10/06/99	0	11	1	LT	192
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 11 :			*212*
				Average Concentration for Windrow on Day 0 :			***225***
						Standard Deviation:	***17***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	10/06/99	10/14/99	8	03	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
2NT	10/06/99	10/14/99	8	05	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*238*
2NT	10/06/99	10/14/99	8	07	1	LT	238
					2	LT	238
					3	LT	217
				Average Concentration for Cross Section 07 :			*231*
2NT	10/06/99	10/14/99	8	09	1	LT	250
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
2NT	10/06/99	10/14/99	8	11	1	LT	208
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 11 :			*217*
				Average Concentration for Windrow on Day 8 :			***233***
						Standard Deviation:	***12***

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M115 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	10/06/99	10/06/99	0	03	1	LT	250
					2	LT	200
					3	LT	227
					Average Concentration for Cross Section 03 :		*226*
3NT	10/06/99	10/06/99	0	05	1	LT	238
					2	LT	208
					3	LT	227
					Average Concentration for Cross Section 05 :		*224*
3NT	10/06/99	10/06/99	0	07	1	LT	238
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 07 :		*227*
3NT	10/06/99	10/06/99	0	09	1	LT	217
					2	LT	250
					3	LT	238
					Average Concentration for Cross Section 09 :		*235*
3NT	10/06/99	10/06/99	0	11	1	LT	192
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 11 :		*212*

Average Concentration for Windrow on Day 0 : 225

Standard Deviation: 17

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	10/06/99	10/14/99	8	03	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 03 :		*242*
3NT	10/06/99	10/14/99	8	05	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 05 :		*238*
3NT	10/06/99	10/14/99	8	07	1	LT	238
					2	LT	238
					3	LT	217
					Average Concentration for Cross Section 07 :		*231*
3NT	10/06/99	10/14/99	8	09	1	LT	250
					2	LT	227
					3	LT	238
					Average Concentration for Cross Section 09 :		*238*
3NT	10/06/99	10/14/99	8	11	1	LT	208
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 11 :		*217*

Average Concentration for Windrow on Day 8 : 233

Standard Deviation: 12

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M115 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	10/06/99	10/06/99	0	03	1	LT	250	
					2		8130	
					3	LT	227	
					Average Concentration for Cross Section 03 :			*2869*
4A26DT	10/06/99	10/06/99	0	05	1	LT	238	
					2	LT	208	
					3	LT	227	
					Average Concentration for Cross Section 05 :			*224*
4A26DT	10/06/99	10/06/99	0	07	1	LT	238	
					2	LT	217	
					3	LT	227	
					Average Concentration for Cross Section 07 :			*227*
4A26DT	10/06/99	10/06/99	0	09	1	GT	214000	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*71496*
4A26DT	10/06/99	10/06/99	0	11	1	LT	192	
					2		6550	
					3		6120	
					Average Concentration for Cross Section 11 :			*4287*

Average Concentration for Windrow on Day 0 : 15821

Standard Deviation: 54895

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	10/06/99	10/14/99	8	03	1	LT	250	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 03 :			*242*
4A26DT	10/06/99	10/14/99	8	05	1	LT	238	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 05 :			*238*
4A26DT	10/06/99	10/14/99	8	07	1	LT	238	
					2	LT	238	
					3		623	
					Average Concentration for Cross Section 07 :			*366*
4A26DT	10/06/99	10/14/99	8	09	1	LT	250	
					2		375	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*288*
4A26DT	10/06/99	10/14/99	8	11	1	LT	208	
					2	LT	217	
					3		684	
					Average Concentration for Cross Section 11 :			*370*

Average Concentration for Windrow on Day 8 : 301

Standard Deviation: 148

Percent Reduction of 4A26DT: 98.10%

Windrow Number: M115 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	10/06/99	10/06/99	0	03	1	LT	250
					2	LT	200
					3	LT	227
				Average Concentration for Cross Section 03 :			*226*
4NT	10/06/99	10/06/99	0	05	1	LT	238
					2	LT	208
					3	LT	227
				Average Concentration for Cross Section 05 :			*224*
4NT	10/06/99	10/06/99	0	07	1	LT	238
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 07 :			*227*
4NT	10/06/99	10/06/99	0	09	1	LT	217
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*235*
4NT	10/06/99	10/06/99	0	11	1	LT	192
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 11 :			*212*

Average Concentration for Windrow on Day 0 : 225

Standard Deviation: 17

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	10/06/99	10/14/99	8	03	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
4NT	10/06/99	10/14/99	8	05	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*238*
4NT	10/06/99	10/14/99	8	07	1	LT	238
					2	LT	238
					3	LT	217
				Average Concentration for Cross Section 07 :			*231*
4NT	10/06/99	10/14/99	8	09	1	LT	250
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
4NT	10/06/99	10/14/99	8	11	1	LT	208
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 11 :			*217*

Average Concentration for Windrow on Day 8 : 233

Standard Deviation: 12

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M115 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	10/06/99	10/06/99	0	03	1		17900	
					2		11300	
					3		10200	
					Average Concentration for Cross Section 03 :			*13133*
HMX	10/06/99	10/06/99	0	05	1		11100	
					2		48200	
					3		14400	
					Average Concentration for Cross Section 05 :			*24567*
HMX	10/06/99	10/06/99	0	07	1		4500	
					2		2320	
					3		22700	
					Average Concentration for Cross Section 07 :			*9840*
HMX	10/06/99	10/06/99	0	09	1		24400	
					2		8640	
					3		8520	
					Average Concentration for Cross Section 09 :			*13853*
HMX	10/06/99	10/06/99	0	11	1		10800	
					2		8720	
					3		4630	
					Average Concentration for Cross Section 11 :			*8050*

Average Concentration for Windrow on Day 0 : 13889

Standard Deviation: 11371

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	10/06/99	10/14/99	8	03	1	LT	2200	
					2		7480	
					3		1120 J	
					Average Concentration for Cross Section 03 :			*3600*
HMX	10/06/99	10/14/99	8	05	1	LT	2100	
					2		4500	
					3		7940	
					Average Concentration for Cross Section 05 :			*4847*
HMX	10/06/99	10/14/99	8	07	1	LT	2100	
					2		946 J	
					3		5650	
					Average Concentration for Cross Section 07 :			*2899*
HMX	10/06/99	10/14/99	8	09	1	LT	2200	
					2		2130	
					3		3060	
					Average Concentration for Cross Section 09 :			*2463*
HMX	10/06/99	10/14/99	8	11	1	LT	1830	
					2		1050 J	
					3		4930	
					Average Concentration for Cross Section 11 :			*2603*

Average Concentration for Windrow on Day 8 : 3282

Standard Deviation: 2281

Percent Reduction of HMX: 76.37%

Windrow Number: M115 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	10/06/99	10/06/99	0	03	1	LT	260
					2	LT	208
					3	LT	236
				Average Concentration for Cross Section 03 :			*235*
NB	10/06/99	10/06/99	0	05	1	LT	248
					2	LT	217
					3	LT	236
				Average Concentration for Cross Section 05 :			*234*
NB	10/06/99	10/06/99	0	07	1	LT	248
					2	LT	226
					3	LT	236
				Average Concentration for Cross Section 07 :			*237*
NB	10/06/99	10/06/99	0	09	1	LT	226
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 09 :			*245*
NB	10/06/99	10/06/99	0	11	1	LT	200
					2	LT	226
					3	LT	236
				Average Concentration for Cross Section 11 :			*221*
				Average Concentration for Windrow on Day 0 :			***234***
						Standard Deviation:	***17***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	10/06/99	10/14/99	8	03	1	LT	260
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 03 :			*252*
NB	10/06/99	10/14/99	8	05	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 05 :			*248*
NB	10/06/99	10/14/99	8	07	1	LT	248
					2	LT	248
					3	LT	226
				Average Concentration for Cross Section 07 :			*241*
NB	10/06/99	10/14/99	8	09	1	LT	260
					2	LT	236
					3	LT	248
				Average Concentration for Cross Section 09 :			*248*
NB	10/06/99	10/14/99	8	11	1	LT	217
					2	LT	226
					3	LT	236
				Average Concentration for Cross Section 11 :			*226*
				Average Concentration for Windrow on Day 8 :			***243***
						Standard Deviation:	***12***

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M115 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	10/06/99	10/06/99	0	03	1	GT	107000	E
					2	GT	73100	E
					3	GT	120000	E
					Average Concentration for Cross Section 03 :			*100033*
RDX	10/06/99	10/06/99	0	05	1	GT	100000	E
					2	GT	373000	E
					3	GT	172000	E
					Average Concentration for Cross Section 05 :			*215000*
RDX	10/06/99	10/06/99	0	07	1	GT	95500	E
					2	GT	44100	E
					3	GT	193000	E
					Average Concentration for Cross Section 07 :			*110867*
RDX	10/06/99	10/06/99	0	09	1	GT	301000	E
					2	GT	109000	E
					3	GT	99300	E
					Average Concentration for Cross Section 09 :			*169767*
RDX	10/06/99	10/06/99	0	11	1	GT	95200	E
					2	GT	88300	E
					3	GT	57000	E
					Average Concentration for Cross Section 11 :			*80167*

Average Concentration for Windrow on Day 0 : 135167

Standard Deviation: 91269

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	10/06/99	10/14/99	8	03	1	LT	1000	
					2		10900	
					3		421	J
					Average Concentration for Cross Section 03 :			*4107*
RDX	10/06/99	10/14/99	8	05	1	LT	952	
					2		6920	
					3	GT	27800	E
					Average Concentration for Cross Section 05 :			*11891*
RDX	10/06/99	10/14/99	8	07	1	LT	952	
					2		3690	
					3		9110	
					Average Concentration for Cross Section 07 :			*4584*
RDX	10/06/99	10/14/99	8	09	1		1150	
					2		2550	
					3		2830	
					Average Concentration for Cross Section 09 :			*2177*
RDX	10/06/99	10/14/99	8	11	1	LT	833	
					2		1110	
					3		9360	
					Average Concentration for Cross Section 11 :			*3768*

Average Concentration for Windrow on Day 8 : 5305

Standard Deviation: 7183

Percent Reduction of RDX: 96.08%

Windrow Number: M115 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	10/06/99	10/06/99	0	03	1	LT	650
					2	LT	520
					3	LT	591
				Average Concentration for Cross Section 03 :			*587*
TETRYL	10/06/99	10/06/99	0	05	1	LT	619
					2	LT	542
					3	LT	591
				Average Concentration for Cross Section 05 :			*584*
TETRYL	10/06/99	10/06/99	0	07	1	LT	619
					2	LT	565
					3	LT	591
				Average Concentration for Cross Section 07 :			*592*
TETRYL	10/06/99	10/06/99	0	09	1	LT	565
					2	LT	650
					3	LT	619
				Average Concentration for Cross Section 09 :			*611*
TETRYL	10/06/99	10/06/99	0	11	1	LT	500
					2	LT	565
					3	LT	591
				Average Concentration for Cross Section 11 :			*552*

Average Concentration for Windrow on Day 0 : 585

Standard Deviation: 44

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	10/06/99	10/14/99	8	03	1	LT	650
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 03 :			*629*
TETRYL	10/06/99	10/14/99	8	05	1	LT	619
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 05 :			*619*
TETRYL	10/06/99	10/14/99	8	07	1	LT	619
					2	LT	619
					3	LT	565
				Average Concentration for Cross Section 07 :			*601*
TETRYL	10/06/99	10/14/99	8	09	1	LT	650
					2	LT	591
					3	LT	619
				Average Concentration for Cross Section 09 :			*620*
TETRYL	10/06/99	10/14/99	8	11	1	LT	542
					2	LT	565
					3	LT	591
				Average Concentration for Cross Section 11 :			*566*

Average Concentration for Windrow on Day 8 : 607

Standard Deviation: 31

Percent Reduction of TETRYL: Not Applicable; Sample Results Below Reporting Limit

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-116 Day 0: 10/19/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5740	12.1	2420	5.275	11605	20.475	19765
2	3	5680	12.1	2440	5.275	11605	20.375	19725
3	3.1	5750	12.1	2470	5.275	11605	20.475	19825
4	3.1	5720	12	2410	5.275	11605	20.375	19735
5	3.1	5750	12.1	2490	5.275	11605	20.475	19845
6	3.1	5730	12.1	2450	5.275	11605	20.475	19785
7	3.1	5770	11.75	2330	5.275	11605	20.125	19705
8	3	5680	11.75	2370	5.275	11605	20.025	19655
9	3.1	5720	12.1	2960	5.275	11605	20.475	20285
10	3.1	5790	12.1	2480	5.275	11605	20.475	19875
11	3.1	5740	12.1	2480	5.275	11605	20.475	19825
12	3.1	5720	12.15	2510	5.275	11605	20.525	19835
13	3	5680	12.15	2540	5.275	11605	20.425	19825
14	3.1	5790	12.1	2490	5.275	11605	20.475	19885
15	3.1	5750	12.15	2560	5.275	11605	20.525	19915
16	3.15	5830	12.1	2470	5.275	11605	20.525	19905
17	3.1	5760	12.1	2440	5.275	11605	20.475	19805
18	3	5720	12	2400	5.275	11605	20.275	19725
19	3.1	5770	12.1	2410	5.275	11605	20.475	19785
20	3.1	5720	12.1	2460	5.275	11605	20.475	19785
21	3.15	5820	12.1	2470	5.275	11605	20.525	19895
22	3.1	5730	12.1	2450	5.275	11605	20.475	19785
23	3	5690	12.1	2430	5.275	11605	20.375	19725
24	3.1	5710	12.1	2490	5.275	11605	20.475	19805
25	3	5670	12	2410	5.275	11605	20.275	19685
26	3.1	5790	12.1	2450	5.275	11605	20.475	19845
27	3.15	5840	12.1	2440	5.275	11605	20.525	19885
28	3	5690	12.1	2580	5.275	11605	20.375	19875
29	3	5740	12	2470	5.275	11605	20.275	19815
30	3	5770	11.95	2350	5.275	11605	20.225	19725
31	3.15	5900	11.9	2300	5.275	11605	20.325	19805
32	3.2	6000	12	2400	5.275	11605	20.475	20005
33	3.3	6200	12	2400	5.275	11605	20.575	20205
34	3.25	6100	11.7	2200	5.275	11605	20.225	19905
35	3	5700	12.15	2600	5.275	11605	20.425	19905
36	3.35	6300	11.9	2300	5.275	11605	20.525	20205
37	3.2	6000	12.1	2600	5.275	11605	20.575	20205
38	3.25	6100	12	2400	5.275	11605	20.525	20105
39	3	5800	12	2400	5.275	11605	20.275	19805
40					5.275	11605	5.275	11605
41								
42								
43								
Total	120.95	226360	469.65	95720	211.00	464200	801.6	786280

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 116 PERFORMED BY: Howard

DATE: 10/19/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2420				
2	3	5680	12.10	2440				
3	3.10	5750	12.10	2470				
4	3.10	5720	12	2410				
5	3.10	5750	12.10	2490				
6	3.10	5730	12.10	2450				
7	3.10	5770	11.75	2330				
8	3	5680	11.75	2370				
9	3.10	5720	12.10	2560				
10	3.10	5790	12.10	2480				
11	3.10	5740	12.10	2480				
12	3.10	5726	12.15	2510				
13	3	5680	12.15	2540				
14	3.10	5790	12.10	2490				
15	3.10	5750	12.15	2560				
16	3.15	5850	12.10	2470				
17	3.10	5760	12.10	2440				
18	3	5720	12	2400				
19	3.10	5770	12.10	2410				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 116 PERFORMED BY: Howard

DATE: 10/19/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5720	12.10	2460				
21	3.15	5820	12.10	2470				
22	3.10	5730	12.10	2450				
23	3	5690	12.10	2430				
24	3.10	5710	12.10	2490				
25	3	5690	12	2410				
26	3.10	5790	12.10	2480				
27	3.15	5840	12.10	2440				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 'M Windrow # M 46 PERFORMED BY: [illegible]

DATE: 10/19/99 INSPECTED BY: [illegible]

Design Quantity: Chicken Manure 3 CY 2400 Pounds
Straw 12 CY 5700 Pounds
Soil _____ CY _____ Pounds

TURB / FORD 8100

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5690	12.1	2580				
2	3	5740	12	2470				
3	3	5970	11.95	2350				
4	3.15	5900	11.90	2300				
5	3.2	6000	12.0	2400				
6	3.3	6200	12.0	2400				
7	3.25	6100	11.7	2200				
8	3.0	5700	12.15	2600				
9	3.35	6300	11.9	2300				
10	3.2	6000	12.1	2600				
11	3.25	6100	12.0	2400				
12	3.0	5800	12.0	2400				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M116	10/19/99	10/19/99	0		21.57
		10/20/99	1	42.13	33.83
		10/21/99	2	58.07	48.13
		10/22/99	3	62.00	53.50
		10/23/99	4	58.23	49.23
		10/24/99	5	54.53	54.90

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M116	10/19/99	10/19/99	0		13.03
		10/20/99	1	4.03	2.50
		10/21/99	2	4.90	4.67
		10/22/99	3	11.17	8.27
		10/23/99	4	10.73	13.00
		10/24/99	5	13.43	8.50

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M116	10/19/99	10/19/99	0		60.22
		10/21/99	2		48.84
		10/22/99	3		51.38

All average MWHC values are expressed in percent

Windrow Number: M116 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	10/19/99	10/25/99	6	03	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*242*
135TNB	10/19/99	10/25/99	6	05	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
135TNB	10/19/99	10/25/99	6	07	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*246*
135TNB	10/19/99	10/25/99	6	09	1	LT	227	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
135TNB	10/19/99	10/25/99	6	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 6 : 241

Standard Deviation: 7

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M116 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	10/19/99	10/25/99	6	03	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*242*
13DNB	10/19/99	10/25/99	6	05	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
13DNB	10/19/99	10/25/99	6	07	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*246*
13DNB	10/19/99	10/25/99	6	09	1	LT	227	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
13DNB	10/19/99	10/25/99	6	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 6 : 241

Standard Deviation: 7

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M116 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	10/19/99	10/25/99	6	03	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*242*
246TNT	10/19/99	10/25/99	6	05	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
246TNT	10/19/99	10/25/99	6	07	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*246*
246TNT	10/19/99	10/25/99	6	09	1	LT	227	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
246TNT	10/19/99	10/25/99	6	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 6 : 241

Standard Deviation: 7

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M116 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	10/19/99	10/25/99	6	03	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*242*
24DNT	10/19/99	10/25/99	6	05	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
24DNT	10/19/99	10/25/99	6	07	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*246*
24DNT	10/19/99	10/25/99	6	09	1	LT	227	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
24DNT	10/19/99	10/25/99	6	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 6 : 241

Standard Deviation: 7

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M116 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	10/19/99	10/25/99	6	03	1	LT	248
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 03 :			*252*
26DNT	10/19/99	10/25/99	6	05	1	LT	248
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 05 :			*252*
26DNT	10/19/99	10/25/99	6	07	1	LT	260
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 07 :			*256*
26DNT	10/19/99	10/25/99	6	09	1	LT	236
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 09 :			*248*
26DNT	10/19/99	10/25/99	6	11	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 11 :			*248*

Average Concentration for Windrow on Day 6 : ***251***

Standard Deviation: *7*

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M116 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/19/99	10/25/99	6	03	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 03 :			*242*
2A46DT	10/19/99	10/25/99	6	05	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
2A46DT	10/19/99	10/25/99	6	07	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 07 :			*246*
2A46DT	10/19/99	10/25/99	6	09	1	LT	227
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
2A46DT	10/19/99	10/25/99	6	11	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 6 : 241

Standard Deviation: 7

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M116 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	10/19/99	10/25/99	6	03	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*242*
2NT	10/19/99	10/25/99	6	05	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
2NT	10/19/99	10/25/99	6	07	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*246*
2NT	10/19/99	10/25/99	6	09	1	LT	227	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
2NT	10/19/99	10/25/99	6	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 6 : ***241***

Standard Deviation: *7*

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M116 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	10/19/99	10/25/99	6	03	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*242*
3NT	10/19/99	10/25/99	6	05	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
3NT	10/19/99	10/25/99	6	07	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*246*
3NT	10/19/99	10/25/99	6	09	1	LT	227	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
3NT	10/19/99	10/25/99	6	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 6 : 241

Standard Deviation: 7

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M116 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	10/19/99	10/25/99	6	03	1	LT 238	
					2	LT 238	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*242*
4A26DT	10/19/99	10/25/99	6	05	1	LT 238	
					2	LT 238	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*242*
4A26DT	10/19/99	10/25/99	6	07	1	LT 250	
					2	LT 238	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*246*
4A26DT	10/19/99	10/25/99	6	09	1	LT 227	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 09 :			*238*
4A26DT	10/19/99	10/25/99	6	11	1	LT 238	
					2	LT 238	
					3	LT 238	
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 6 : 241

Standard Deviation: 7

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M116 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	10/19/99	10/25/99	6	03	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*242*
4NT	10/19/99	10/25/99	6	05	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
4NT	10/19/99	10/25/99	6	07	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*246*
4NT	10/19/99	10/25/99	6	09	1	LT	227	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
4NT	10/19/99	10/25/99	6	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 6 : 241

Standard Deviation: 7

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M116 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	10/19/99	10/25/99	6	03	1	LT	2100	
					2		3220	
					3		2190 J	
				Average Concentration for Cross Section 03 :				*2503*
HMX	10/19/99	10/25/99	6	05	1		3380	
					2		1650 J	
					3	LT	2200	
				Average Concentration for Cross Section 05 :				*2410*
HMX	10/19/99	10/25/99	6	07	1	LT	2200	
					2	LT	2100	
					3	LT	2200	
				Average Concentration for Cross Section 07 :				*2167*
HMX	10/19/99	10/25/99	6	09	1	LT	2000	
					2	LT	2200	
					3	LT	2100	
				Average Concentration for Cross Section 09 :				*2100*
HMX	10/19/99	10/25/99	6	11	1	LT	2100	
					2	LT	2100	
					3	LT	2100	
				Average Concentration for Cross Section 11 :				*2100*

Average Concentration for Windrow on Day 6 : 2256

Standard Deviation: 446

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M116 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	10/19/99	10/25/99	6	03	1	LT 248	
					2	LT 248	
					3	LT 260	
				Average Concentration for Cross Section 03 :			*252*
NB	10/19/99	10/25/99	6	05	1	LT 248	
					2	LT 248	
					3	LT 260	
				Average Concentration for Cross Section 05 :			*252*
NB	10/19/99	10/25/99	6	07	1	LT 260	
					2	LT 248	
					3	LT 260	
				Average Concentration for Cross Section 07 :			*256*
NB	10/19/99	10/25/99	6	09	1	LT 236	
					2	LT 260	
					3	LT 248	
				Average Concentration for Cross Section 09 :			*248*
NB	10/19/99	10/25/99	6	11	1	LT 248	
					2	LT 248	
					3	LT 248	
				Average Concentration for Cross Section 11 :			*248*

Average Concentration for Windrow on Day 6 : 251

Standard Deviation: 7

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M116 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	10/19/99	10/25/99	6	03	1	LT	952	
					2		1870	
					3		1730	
				Average Concentration for Cross Section 03 :				*1517*
RDX	10/19/99	10/25/99	6	05	1		3880	
					2		3160	
					3	LT	1000	
				Average Concentration for Cross Section 05 :				*2680*
RDX	10/19/99	10/25/99	6	07	1	LT	1000	
					2	LT	952	
					3		1390	
				Average Concentration for Cross Section 07 :				*1114*
RDX	10/19/99	10/25/99	6	09	1		1150	
					2		4150	
					3	LT	952	
				Average Concentration for Cross Section 09 :				*2084*
RDX	10/19/99	10/25/99	6	11	1	LT	952	
					2	LT	952	
					3		1090	
				Average Concentration for Cross Section 11 :				*998*

Average Concentration for Windrow on Day 6 : ***1679***

Standard Deviation: *1117*

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M116 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	10/19/99	10/25/99	6	03	1	LT	619
					2	LT	619
					3	LT	650
				Average Concentration for Cross Section 03 :			*629*
TETRYL	10/19/99	10/25/99	6	05	1	LT	619
					2	LT	619
					3	LT	650
				Average Concentration for Cross Section 05 :			*629*
TETRYL	10/19/99	10/25/99	6	07	1	LT	650
					2	LT	619
					3	LT	650
				Average Concentration for Cross Section 07 :			*640*
TETRYL	10/19/99	10/25/99	6	09	1	LT	591
					2	LT	650
					3	LT	619
				Average Concentration for Cross Section 09 :			*620*
TETRYL	10/19/99	10/25/99	6	11	1	LT	619
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 11 :			*619*

Average Concentration for Windrow on Day 6 : 627

Standard Deviation: 18

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-117 Day 0: 10/20/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5740	12.15	2530	5.275	11605	20.525	19875
2	3.1	5750	12.1	2470	5.275	11605	20.475	19825
3	3.1	5770	12.1	2480	5.275	11605	20.475	19855
4	3.1	5730	12.15	2560	5.275	11605	20.525	19895
5	3.1	5780	12.1	2430	5.275	11605	20.475	19815
6	3.15	5820	12.1	2470	5.275	11605	20.525	19895
7	3.1	5720	12	2370	5.275	11605	20.375	19695
8	3.25	5930	12.1	2500	5.275	11605	20.625	20035
9	3.15	5820	12.15	2530	5.275	11605	20.575	19955
10	3.1	5740	12.1	2440	5.275	11605	20.475	19785
11	3.1	5790	12.1	2480	5.275	11605	20.475	19875
12	3.15	5820	12.1	2440	5.275	11605	20.525	19865
13	3.1	5780	11.75	2370	5.275	11605	20.125	19755
14	3.15	5860	12.15	2510	5.275	11605	20.575	19975
15	3.15	5810	12.1	2450	5.275	11605	20.525	19865
16	3	5680	12.15	2530	5.275	11605	20.425	19815
17	3.1	5770	12.25	2670	5.275	11605	20.625	20045
18	3	5650	12.1	2430	5.275	11605	20.375	19685
19	3.1	5720	12.1	2410	5.275	11605	20.475	19735
20	3.1	5730	12.1	2450	5.275	11605	20.475	19785
21	3.1	5780	12.1	2490	5.275	11605	20.475	19875
22	3	5680	12.1	2410	5.275	11605	20.375	19695
23	3.15	5820	12	2370	5.275	11605	20.425	19795
24	3.1	5740	12.1	2460	5.275	11605	20.475	19805
25	3.15	5870	12.15	2540	5.275	11605	20.575	20015
26	3.15	6000	13	2600	5.275	11605	21.425	20205
27	3.21	6100	13	2600	5.275	11605	21.485	20305
28	3.15	6000	12	2400	5.275	11605	20.425	20005
29	3.26	6200	11	2200	5.275	11605	19.535	20005
30	3.15	6000	14	2800	5.275	11605	22.425	20405
31	3.1	5900	12	2400	5.275	11605	20.375	19905
32	3.42	6500	14	2800	5.275	11605	22.695	20905
33	2.73	5200	14	2800	5.275	11605	22.005	19605
34	3.26	6200	11.5	2300	5.275	11605	20.035	20105
35	3.15	6000	11.5	2300	5.275	11605	19.925	19905
36	3	5700	12	2400	5.275	11605	20.275	19705
37	2.68	5100	12	2400	5.275	11605	19.955	19105
38	3.42	6500	12	2400	5.275	11605	20.695	20505
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	118.38	221700	464.4	94190	211.00	464200	793.78	780090

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 117 PERFORMED BY: Howard

DATE: 10 12 01 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.15	2530				
2	3.10	5750	12.10	2470				
3	3.10	5770	12.10	2480				
4	3.10	5730	12.15	2560				
5	3.10	5780	12.10	2430				
6	3.15	5820	12.10	2470				
7	3.10	5720	12	2370				
8	3.25	5930	12.10	2500				
9	3.15	5820	12.15	2530				
10	3.10	5740	12.10	2440				
11	3.10	5790	12.10	2480				
12	3.15	5820	12.10	2440				
13	3.10	5780	11.75	2370				
14	3.15	5860	12.15	2510				
15	3.15	5816	12.10	2450				
16	3	5680	12.15	2530				
17	3.10	5770	12.25	2670				
18	3	5650	12.10	2430				
19	3.10	5720	12.10	2410				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 117 PERFORMED BY: Howard

DATE: 10/20/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5730	12.10	2450				
21	3.10	5780	12.10	2490				
22	3.	5680	12.10	2410				
23	3.15	5820	12	2370				
24	3.1	5740	12.10	2460				
25	3.15	5870	12.15	2540				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 117 PERFORMED BY: Titheldermann

DATE: 10120199 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY 5700 Pounds
Straw _____ CY 2400 Pounds 8100
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	6000	12.0	2600				
2	3.21	6100	13.0	2600				
3	3.15	6000	12.0	2400				
4	3.26	6200	11.0	2200				
5	3.15	6000	14.0	2800				
6	3.10	5900	12.0	2400				
7	3.42	6500	14.0	2800				
8	2.73	5200	14.0	2800				
9	3.26	6200	11.5	2300				
10	3.15	6000	11.5	2300				
11	3.0	5700	12.0	2400				
12	2.68	5100	12.0	2400				
13	3.42	6500	12.0	2400				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S117	10/20/99	10/20/99	0		22.97
		10/21/99	1	36.63	39.13
		10/22/99	2	58.83	59.37
		10/23/99	3	55.63	49.97
		10/24/99	4	55.83	55.43
		10/25/99	5	54.37	58.63
		10/26/99	6	60.73	56.30

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S117	10/20/99	10/21/99	1	9.73	11.33
		10/22/99	2	8.03	13.30
		10/23/99	3	14.73	18.00
		10/24/99	4	17.90	12.63
		10/25/99	5	17.90	12.27
		10/26/99	6	15.23	13.40

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (%)	POST-Turn (%)
S117	10/20/99	10/20/99	0		49.14
		10/21/99	1		47.82
		10/22/99	2		53.26
		10/25/99	5		44.86

All average MWHC values are expressed in percent

Windrow Number: S117 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
135TNB	10/20/99	10/27/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
135TNB	10/20/99	10/27/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
135TNB	10/20/99	10/27/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
135TNB	10/20/99	10/27/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
135TNB	10/20/99	10/27/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S117 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
13DNB	10/20/99	10/27/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
13DNB	10/20/99	10/27/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
13DNB	10/20/99	10/27/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
13DNB	10/20/99	10/27/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
13DNB	10/20/99	10/27/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S117 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
246TNT	10/20/99	10/27/99	7	03	1	0.23 J	
					2	0.33 J	
					3	LT 1	
				Average Concentration for Cross Section 03 :			*1*
246TNT	10/20/99	10/27/99	7	05	1	0.5 J	
					2	LT 1	
					3	0.89 J	
				Average Concentration for Cross Section 05 :			*1*
246TNT	10/20/99	10/27/99	7	07	1	LT 1	
					2	0.34 J	
					3	LT 1	
				Average Concentration for Cross Section 07 :			*1*
246TNT	10/20/99	10/27/99	7	09	1	LT 1	
					2	0.14 J	
					3	LT 1	
				Average Concentration for Cross Section 09 :			*1*
246TNT	10/20/99	10/27/99	7	11	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 11 :			*1*
				Average Concentration for Windrow on Day 7 :			*1*
						Standard Deviation:	*0*

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S117 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
24DNT	10/20/99	10/27/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
24DNT	10/20/99	10/27/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
24DNT	10/20/99	10/27/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
24DNT	10/20/99	10/27/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
24DNT	10/20/99	10/27/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S117 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	MGKG
26DNT	10/20/99	10/27/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
26DNT	10/20/99	10/27/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
26DNT	10/20/99	10/27/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
26DNT	10/20/99	10/27/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
26DNT	10/20/99	10/27/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S117 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
2A46DT	10/20/99	10/27/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2A46DT	10/20/99	10/27/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2A46DT	10/20/99	10/27/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2A46DT	10/20/99	10/27/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2A46DT	10/20/99	10/27/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S117 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
2NT	10/20/99	10/27/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
2NT	10/20/99	10/27/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
2NT	10/20/99	10/27/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
2NT	10/20/99	10/27/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
2NT	10/20/99	10/27/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S117 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
3NT	10/20/99	10/27/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
3NT	10/20/99	10/27/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
3NT	10/20/99	10/27/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
3NT	10/20/99	10/27/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
3NT	10/20/99	10/27/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S117 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
4A26DT	10/20/99	10/27/99	7	03	1	0.18 J	
					2	LT 1	
					3	0.15 J	
				Average Concentration for Cross Section 03 :			*0*
4A26DT	10/20/99	10/27/99	7	05	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 05 :			*1*
4A26DT	10/20/99	10/27/99	7	07	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 07 :			*1*
4A26DT	10/20/99	10/27/99	7	09	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 09 :			*1*
4A26DT	10/20/99	10/27/99	7	11	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S117 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
4NT	10/20/99	10/27/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
4NT	10/20/99	10/27/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
4NT	10/20/99	10/27/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
4NT	10/20/99	10/27/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
4NT	10/20/99	10/27/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S117 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration* MGKG
HMX	10/20/99	10/27/99	7	03	1	1.2
					2	3.4
					3	0.79 J
				Average Concentration for Cross Section 03 :		*2*
HMX	10/20/99	10/27/99	7	05	1	3.4
					2	1.1
					3	2.3
				Average Concentration for Cross Section 05 :		*2*
HMX	10/20/99	10/27/99	7	07	1	0.29 J
					2	4.7
					3	1.7
				Average Concentration for Cross Section 07 :		*2*
HMX	10/20/99	10/27/99	7	09	1	2
					2	3.5
					3	0.47 J
				Average Concentration for Cross Section 09 :		*2*
HMX	10/20/99	10/27/99	7	11	1	0.33 J
					2	0.34 J
					3	1.4
				Average Concentration for Cross Section 11 :		*1*

Average Concentration for Windrow on Day 7 : ***2***

Standard Deviation: ***1***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S117 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
NB	10/20/99	10/27/99	7	03	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 03 :			*1*
NB	10/20/99	10/27/99	7	05	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 05 :			*1*
NB	10/20/99	10/27/99	7	07	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 07 :			*1*
NB	10/20/99	10/27/99	7	09	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 09 :			*1*
NB	10/20/99	10/27/99	7	11	1	LT 1	
					2	LT 1	
					3	LT 1	
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S117 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	MGKG
RDX	10/20/99	10/27/99	7	03	1		3.8	
					2		8.2	
					3		0.4 J	
				Average Concentration for Cross Section 03 :				*4*
RDX	10/20/99	10/27/99	7	05	1		7	
					2		3.2	
					3		7.3	
				Average Concentration for Cross Section 05 :				*6*
RDX	10/20/99	10/27/99	7	07	1	LT	1	
					2		11	
					3		4.5	
				Average Concentration for Cross Section 07 :				*6*
RDX	10/20/99	10/27/99	7	09	1		3.2	
					2		4.8	
					3		0.44 J	
				Average Concentration for Cross Section 09 :				*3*
RDX	10/20/99	10/27/99	7	11	1	LT	1	
					2	LT	1	
					3		6.2	
				Average Concentration for Cross Section 11 :				*3*

Average Concentration for Windrow on Day 7 : ***4***

Standard Deviation: ***3***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S117 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	MGKG
TETRYL	10/20/99	10/27/99	7	03	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 03 :			*1*
TETRYL	10/20/99	10/27/99	7	05	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 05 :			*1*
TETRYL	10/20/99	10/27/99	7	07	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 07 :			*1*
TETRYL	10/20/99	10/27/99	7	09	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 09 :			*1*
TETRYL	10/20/99	10/27/99	7	11	1	LT	1
					2	LT	1
					3	LT	1
				Average Concentration for Cross Section 11 :			*1*

Average Concentration for Windrow on Day 7 : ***1***

Standard Deviation: ***0***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-118 Day 0: 10/22/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.5	6470	12.15	2520	5.275	11605	20.925	20595
2	3.25	6020	12.1	2470	5.275	11605	20.625	20095
3	3.15	5820	12.1	2490	5.275	11605	20.525	19915
4	3.1	5750	12.1	2420	5.275	11605	20.475	19775
5	3.1	5720	12.1	2440	5.275	11605	20.475	19765
6	3.1	5770	12.1	2490	5.275	11605	20.475	19865
7	3.15	5840	12.15	2510	5.275	11605	20.575	19955
8	3.15	5860	12	2390	5.275	11605	20.425	19855
9	3.1	5740	12.1	2450	5.275	11605	20.475	19795
10	3.15	5830	12.1	2470	5.275	11605	20.525	19905
11	3.1	5790	12.15	2940	5.275	11605	20.525	20335
12	3.15	5860	12.2	2590	5.275	11605	20.625	20055
13	3.1	5770	12.1	2430	5.275	11605	20.475	19805
14	3.1	5790	12.1	2480	5.275	11605	20.475	19875
15	3.1	5720	12.1	2440	5.275	11605	20.475	19765
16	3.15	5830	12.1	2450	5.275	11605	20.525	19885
17	3.1	5760	12.1	2460	5.275	11605	20.475	19825
18	3	5710	12.1	2550	5.275	11605	20.375	19865
19	3	5670	12.1	2450	5.275	11605	20.375	19725
20	3.15	5820	12.1	2480	5.275	11605	20.525	19905
21	3.1	5760	12.15	2450	5.275	11605	20.525	19815
22	3.1	5740	12.15	2510	5.275	11605	20.525	19855
23	3.1	5780	12.1	2470	5.275	11605	20.475	19855
24	3	5680	12.1	2440	5.275	11605	20.375	19725
25	3.1	5770	12.15	2570	5.275	11605	20.525	19945
26	3.1	5760	12.1	2170	5.275	11605	20.475	19535
27	3.15	5840	12.15	2560	5.275	11605	20.575	20005
28	3.25	5890	12.15	2580	5.275	11605	20.675	20075
29	3.15	6000	12	2400	5.275	11605	20.425	20005
30	3.2	6200	11.5	2300	5.275	11605	19.975	20105
31	3.2	6200	13	2600	5.275	11605	21.475	20405
32	3.3	6300	11.5	2300	5.275	11605	20.075	20205
33	3.15	6000	12	2400	5.275	11605	20.425	20005
34	3.1	5700	13	2600	5.275	11605	21.375	19905
35	3.25	6100	11.5	2300	5.275	11605	20.025	20005
36	3.15	5800	13	2600	5.275	11605	21.425	20005
37	3.25	6300	12	2400	5.275	11605	20.525	20305
38	3.15	5840	12.1	2490	5.275	11605	20.525	19935
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	119.5	223200	460.8	94060	211.00	464200	791.3	781460

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 118 PERFORMED BY: 1

DATE: 10/21/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5760	12.10	2470				
2	3.15	5840	12.15	2560				
3	3.25	5890	12.15	2580				
4	3.15	6000	12.00	2400				
5	3.26	6200	11.50	2300				
6	3.26	6200	13.00	2600				
7	3.30	6300	11.50	2300				
8	3.15	6000	12.00	2400				
9	3.10	5700	13.00	2600				
10	3.25	6100	11.50	2300				
11	3.15	5800	13.00	2600				
12	3.25	6300	12.00	2400				
13	3.15	5840	12.10	2496				
Total								

Comments:

TD 2228

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5/18 PERFORMED BY: [illegible]

DATE: 10 12/199 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.50	6470	12.15	2520				
2	3.25	6020	12.10	2470				
3	3.15	5820	12.10	2490				
4	3.10	5750	12.10	2420				
5	3.10	5720	12.10	2440				
6	3.10	5770	12.10	2490				
7	3.15	5840	12.15	2510				
8	3.15	5860	12	2390				
9	3.10	5740	12.10	2450				
10	3.15	5830	12.10	2470				
11	3.10	5790	12.15	2540				
12	3.15	5860	12.20	2590				
13	3.10	5770	12.10	2430				
14	3.10	5790	12.10	2480				
15	3.10	5720	12.10	2440				
16	3.15	5830	12.10	2450				
17	3.10	5760	12.10	2460				
18	3	5710	12.10	2550				
19	3	5670	12.10	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 118 PERFORMED BY: [illegible]

DATE: 10/21/99 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5820	12.10	2480				
21	3.10	5760	12.20	2450				
22	3.10	5740	12.15	2510				
23	3.10	5780	12.10	2470				
24	3	5680	12.10	2440				
25	3.10	5770	12.15	2570				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S118	10/22/99	10/22/99	0		34.40
		10/23/99	1	49.40	43.40
		10/24/99	2	49.87	52.47
		10/25/99	3	51.30	50.50
		10/26/99	4	52.77	52.97
		10/27/99	5	49.47	56.07
		10/28/99	6	57.50	52.10
		10/29/99	7	69.57	60.67
		10/30/99	8	63.87	60.87
		10/31/99	9	61.83	59.47

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S118	10/22/99	10/22/99	0		7.57
		10/23/99	1	11.17	7.97
		10/24/99	2	10.90	9.87
		10/25/99	3	18.60	12.93
		10/26/99	4	17.90	13.17
		10/27/99	5	17.60	14.13
		10/28/99	6	17.27	16.40
		10/29/99	7	9.03	11.60
		10/30/99	8	12.47	12.33
		10/31/99	9	14.30	13.10

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S118	10/22/99	10/22/99	0		47.40
		10/27/99	5		43.90
		10/28/99	6		48.80

All average MWHC values are expressed in percent

Windrow Number: S118 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	10/22/99	11/01/99	10	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
135TNB	10/22/99	11/01/99	10	05	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*242*
135TNB	10/22/99	11/01/99	10	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
135TNB	10/22/99	11/01/99	10	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
135TNB	10/22/99	11/01/99	10	11	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 10 : ***247***

Standard Deviation: ***5***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S118 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	10/22/99	11/01/99	10	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
13DNB	10/22/99	11/01/99	10	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
13DNB	10/22/99	11/01/99	10	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
13DNB	10/22/99	11/01/99	10	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
13DNB	10/22/99	11/01/99	10	11	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 10 : 247

Standard Deviation: 5

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S118 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	10/22/99	11/01/99	10	03	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*250*
246TNT	10/22/99	11/01/99	10	05	1	LT 250	
					2	LT 238	
					3	LT 238	
				Average Concentration for Cross Section 05 :			*242*
246TNT	10/22/99	11/01/99	10	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
246TNT	10/22/99	11/01/99	10	09	1	LT 250	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 09 :			*246*
246TNT	10/22/99	11/01/99	10	11	1	LT 250	
					2	191 J	
					3	621	
				Average Concentration for Cross Section 11 :			*354*

Average Concentration for Windrow on Day 10 : 268

Standard Deviation: 99

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S118 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	10/22/99	11/01/99	10	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
24DNT	10/22/99	11/01/99	10	05	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*242*
24DNT	10/22/99	11/01/99	10	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
24DNT	10/22/99	11/01/99	10	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
24DNT	10/22/99	11/01/99	10	11	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 10 : 247

Standard Deviation: 5

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S118 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	10/22/99	11/01/99	10	03	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*260*
26DNT	10/22/99	11/01/99	10	05	1	LT	260	
					2	LT	248	
					3	LT	248	
				Average Concentration for Cross Section 05 :				*252*
26DNT	10/22/99	11/01/99	10	07	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 07 :				*260*
26DNT	10/22/99	11/01/99	10	09	1	LT	260	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 09 :				*256*
26DNT	10/22/99	11/01/99	10	11	1	LT	260	
					2	LT	248	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*256*

Average Concentration for Windrow on Day 10 : ***257***

Standard Deviation: *5*

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S118 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/22/99	11/01/99	10	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
2A46DT	10/22/99	11/01/99	10	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
2A46DT	10/22/99	11/01/99	10	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2A46DT	10/22/99	11/01/99	10	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
2A46DT	10/22/99	11/01/99	10	11	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 10 : ***247***

Standard Deviation: ***5***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S118 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	10/22/99	11/01/99	10	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
2NT	10/22/99	11/01/99	10	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
2NT	10/22/99	11/01/99	10	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2NT	10/22/99	11/01/99	10	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
2NT	10/22/99	11/01/99	10	11	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 10 : ***247***

Standard Deviation: ***5***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S118 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	10/22/99	11/01/99	10	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
3NT	10/22/99	11/01/99	10	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
3NT	10/22/99	11/01/99	10	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
3NT	10/22/99	11/01/99	10	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
3NT	10/22/99	11/01/99	10	11	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 10 : ***247***

Standard Deviation: ***5***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S118 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	10/22/99	11/01/99	10	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
4A26DT	10/22/99	11/01/99	10	05	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*242*
4A26DT	10/22/99	11/01/99	10	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
4A26DT	10/22/99	11/01/99	10	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
4A26DT	10/22/99	11/01/99	10	11	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 10 : 247

Standard Deviation: 5

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S118 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	10/22/99	11/01/99	10	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
4NT	10/22/99	11/01/99	10	05	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*242*
4NT	10/22/99	11/01/99	10	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
4NT	10/22/99	11/01/99	10	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
4NT	10/22/99	11/01/99	10	11	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 10 : ***247***

Standard Deviation: ***5***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S118 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	10/22/99	11/01/99	10	03	1	LT	2200	
					2	LT	2200	
					3	LT	2200	
				Average Concentration for Cross Section 03 :				*2200*
HMX	10/22/99	11/01/99	10	05	1	LT	2200	
					2	LT	2100	
					3	LT	2100	
				Average Concentration for Cross Section 05 :				*2133*
HMX	10/22/99	11/01/99	10	07	1	LT	2200	
					2	LT	2200	
					3		1820 J	
				Average Concentration for Cross Section 07 :				*2073*
HMX	10/22/99	11/01/99	10	09	1	LT	2200	
					2	LT	2200	
					3	LT	2100	
				Average Concentration for Cross Section 09 :				*2167*
HMX	10/22/99	11/01/99	10	11	1	LT	2200	
					2		2580	
					3		2910	
				Average Concentration for Cross Section 11 :				*2563*

Average Concentration for Windrow on Day 10 : ***2227***

Standard Deviation: ***241***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S118 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	10/22/99	11/01/99	10	03	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*260*
NB	10/22/99	11/01/99	10	05	1	LT	260	
					2	LT	248	
					3	LT	248	
				Average Concentration for Cross Section 05 :				*252*
NB	10/22/99	11/01/99	10	07	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 07 :				*260*
NB	10/22/99	11/01/99	10	09	1	LT	260	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 09 :				*256*
NB	10/22/99	11/01/99	10	11	1	LT	260	
					2	LT	248	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*256*

Average Concentration for Windrow on Day 10 : 257

Standard Deviation: 5

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S118 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	10/22/99	11/01/99	10	03	1		1900	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 03 :				*1300*
RDX	10/22/99	11/01/99	10	05	1	LT	1000	
					2	LT	952	
					3	LT	952	
				Average Concentration for Cross Section 05 :				*968*
RDX	10/22/99	11/01/99	10	07	1	LT	1000	
					2	LT	1000	
					3		1090	
				Average Concentration for Cross Section 07 :				*1030*
RDX	10/22/99	11/01/99	10	09	1	LT	1000	
					2	LT	1000	
					3	LT	952	
				Average Concentration for Cross Section 09 :				*984*
RDX	10/22/99	11/01/99	10	11	1	LT	1000	
					2		1920	
					3		7670	
				Average Concentration for Cross Section 11 :				*3530*

Average Concentration for Windrow on Day 10 : 1562

Standard Deviation: 1720

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S118 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	10/22/99	11/01/99	10	03	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 03 :				*650*
TETRYL	10/22/99	11/01/99	10	05	1	LT	650	
					2	LT	619	
					3	LT	619	
				Average Concentration for Cross Section 05 :				*629*
TETRYL	10/22/99	11/01/99	10	07	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 07 :				*650*
TETRYL	10/22/99	11/01/99	10	09	1	LT	650	
					2	LT	650	
					3	LT	619	
				Average Concentration for Cross Section 09 :				*640*
TETRYL	10/22/99	11/01/99	10	11	1	LT	650	
					2	LT	619	
					3	LT	650	
				Average Concentration for Cross Section 11 :				*640*

Average Concentration for Windrow on Day 10 : 642

Standard Deviation: 14

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-119 Day 0: 10/23/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5780	12.15	2940	5.275	11605	20.525	20325
2	3.1	5720	12.1	2460	5.275	11605	20.475	19785
3	3.1	5750	12.1	2490	5.275	11605	20.475	19845
4	3.1	5740	12.1	2420	5.275	11605	20.475	19765
5	3.15	5810	12.15	2530	5.275	11605	20.575	19945
6	3.1	5790	12.25	2640	5.275	11605	20.625	20035
7	3.1	5770	12.1	2440	5.275	11605	20.475	19815
8	3.15	5860	12.1	2460	5.275	11605	20.525	19925
9	3.15	5840	11.85	2570	5.275	11605	20.275	20015
10	3.1	5730	12	2490	5.275	11605	20.375	19825
11	3.15	5860	12.1	2450	5.275	11605	20.525	19915
12	3.1	5740	11.85	2350	5.275	11605	20.225	19695
13	3.15	5330	12.1	2410	5.275	11605	20.525	19345
14	3.1	5780	12.15	2560	5.275	11605	20.525	19945
15	3.15	5860	12.1	2490	5.275	11605	20.525	19955
16	3.1	5720	12	2380	5.275	11605	20.375	19705
17	3.1	5790	12.1	2440	5.275	11605	20.475	19835
18	3.1	5730	12.1	2470	5.275	11605	20.475	19805
19	3	5700	12.15	2560	5.275	11605	20.425	19865
20	3.1	5780	11.75	2340	5.275	11605	20.125	19725
21	3.15	5810	12.1	2470	5.275	11605	20.525	19885
22	3.1	5730	12.1	2460	5.275	11605	20.475	19795
23	3.15	5840	12.1	2440	5.275	11605	20.525	19885
24	3	5690	12.1	2470	5.275	11605	20.375	19765
25	3.1	5760	12.1	2410	5.275	11605	20.475	19775
26	3.2	6200	11	2200	5.275	11605	19.475	20005
27	3	5700	11	2200	5.275	11605	19.275	19505
28	3.1	5900	11.5	2300	5.275	11605	19.875	19805
29	3.15	6000	12	2400	5.275	11605	20.425	20005
30	3.15	5500	11	2200	5.275	11605	19.425	19305
31	3.1	5900	11.5	2300	5.275	11605	19.875	19805
32	3.2	6200	11	2200	5.275	11605	19.475	20005
33	3.25	6300	12	2400	5.275	11605	20.525	20305
34	3.2	5100	13.5	2700	5.275	11605	21.975	19405
35	3.15	5840	12.15	2480	5.275	11605	20.575	19925
36	3.05	5770	12.5	2510	5.275	11605	20.825	19885
37	3.15	5810	12	2370	5.275	11605	20.425	19785
38	3	5740	12	2460	5.275	11605	20.275	19805
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	118.4	219870	454.95	92860	211.00	464200	784.35	776930

RECORD OF RECIPE (MIX NO. 7B)

Building # m Windrow # 119 PERFORMED BY: Howard

DATE: 10/22/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5780	12.15	2540				
2	3.10	5720	12.10	2460				
3	3.10	5750	12.10	2490				
4	3.10	5740	12.10	2421				
5	3.15	5810	12.15	2580				
6	3.10	5790	12.25	2640				
7	3.10	5770	12.10	2440				
8	3.15	5860	12.10	2460				
9	3.15	5840	11.95	2370				
10	3.10	5730	12.10	2490				
11	3.15	5860	12.10	2450				
12	3.10	5740	11.85	2350				
13	3.15	5830	12.10	2410				
14	3.10	5750	12.15	2560				
15	3.15	5860	12.10	2490				
16	3.10	5720	12	2380				
17	3.10	5790	12.10	2440				
18	3.10	5730	12.10	2470				
19	3	5700	12.15	2560				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 117 Windrow # 119 PERFORMED BY: [illegible]

DATE: 10/22/98 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2100 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5780	11.75	2340				
21	3.15	5810	12.10	2470				
22	3.10	5730	12.10	2460				
23	3.15	5840	12.10	2440				
24	3	5690	12.10	2470				
25	3.16	5760	12.10	2410				
Total								

Comments:

492 hrs

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # _____ Windrow # 119 PERFORMED BY: T. Helderman

DATE: 10/22/99 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.26	6200	11.00	2200				
2	3.00	5700	11.00	2200				
3	3.10	5900	11.50	2300				
4	3.15	6000	12.00	2400				
5	3.15	5500	11.00	2200				
6	3.10	5900	11.50	2300				
7	3.26	6200	11.00	2200				
8	3.25	6300	12.00	2400				
9	3.20	6100	13.50	2700				
10	3.15	5840	12.15	2480				
11	3.05	5770	12.50	2510				
12	3.15	5810	12.00	2370				
13	3.00	5740	12.00	2460				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M119	10/23/99	10/23/99	0		28.43
		10/24/99	1	52.93	43.73
		10/25/99	2	51.77	49.23
		10/26/99	3	52.23	52.97
		10/27/99	4	56.57	51.30
		10/28/99	5	57.17	53.47
		10/29/99	6	66.43	61.63
		10/30/99	7	63.80	60.67
		10/31/99	8	61.33	59.80

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M119	10/23/99	10/23/99	0		11.07
		10/24/99	1	7.53	10.60
		10/25/99	2	17.90	12.13
		10/26/99	3	16.53	13.50
		10/27/99	4	16.47	16.10
		10/28/99	5	16.67	16.13
		10/29/99	6	11.93	13.17
		10/30/99	7	11.80	12.97
		10/31/99	8	12.67	13.20

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M119	10/23/99	10/23/99	0		46.46
		10/25/99	2		44.36
		10/27/99	4		41.46
		10/28/99	5		64.00

All average MWHC values are expressed in percent

Windrow Number: M119 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	10/23/99	11/01/99	9	03	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
135TNB	10/23/99	11/01/99	9	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
135TNB	10/23/99	11/01/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
135TNB	10/23/99	11/01/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
135TNB	10/23/99	11/01/99	9	11	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M119 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	10/23/99	11/01/99	9	03	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
13DNB	10/23/99	11/01/99	9	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
13DNB	10/23/99	11/01/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
13DNB	10/23/99	11/01/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
13DNB	10/23/99	11/01/99	9	11	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 9 : 247

Standard Deviation: 5

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M119 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	10/23/99	11/01/99	9	03	1	LT 250	
					2	798	
					3	LT 238	
				Average Concentration for Cross Section 03 :			*429*
246TNT	10/23/99	11/01/99	9	05	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*246*
246TNT	10/23/99	11/01/99	9	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
246TNT	10/23/99	11/01/99	9	09	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*250*
246TNT	10/23/99	11/01/99	9	11	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 9 : ***284***

Standard Deviation: ***142***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M119 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	10/23/99	11/01/99	9	03	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
24DNT	10/23/99	11/01/99	9	05	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*246*
24DNT	10/23/99	11/01/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
24DNT	10/23/99	11/01/99	9	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
24DNT	10/23/99	11/01/99	9	11	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M119 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	10/23/99	11/01/99	9	03	1	LT	260	
					2	LT	248	
					3	LT	248	
				Average Concentration for Cross Section 03 :				*252*
26DNT	10/23/99	11/01/99	9	05	1	LT	248	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 05 :				*256*
26DNT	10/23/99	11/01/99	9	07	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 07 :				*260*
26DNT	10/23/99	11/01/99	9	09	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*260*
26DNT	10/23/99	11/01/99	9	11	1	LT	248	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*256*

Average Concentration for Windrow on Day 9 : ***257***

Standard Deviation: ***5***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M119 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	10/23/99	11/01/99	9	03	1	LT	250	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
2A46DT	10/23/99	11/01/99	9	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
2A46DT	10/23/99	11/01/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
2A46DT	10/23/99	11/01/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
2A46DT	10/23/99	11/01/99	9	11	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M119 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	10/23/99	11/01/99	9	03	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
2NT	10/23/99	11/01/99	9	05	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*246*
2NT	10/23/99	11/01/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2NT	10/23/99	11/01/99	9	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
2NT	10/23/99	11/01/99	9	11	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M119 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	10/23/99	11/01/99	9	03	1	LT 250	
					2	LT 238	
					3	LT 238	
				Average Concentration for Cross Section 03 :			*242*
3NT	10/23/99	11/01/99	9	05	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*246*
3NT	10/23/99	11/01/99	9	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
3NT	10/23/99	11/01/99	9	09	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*250*
3NT	10/23/99	11/01/99	9	11	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: *5*

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M119 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	10/23/99	11/01/99	9	03	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
4A26DT	10/23/99	11/01/99	9	05	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*246*
4A26DT	10/23/99	11/01/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
4A26DT	10/23/99	11/01/99	9	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
4A26DT	10/23/99	11/01/99	9	11	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 9 : 247

Standard Deviation: 5

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M119 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	10/23/99	11/01/99	9	03	1	LT 250	
					2	LT 238	
					3	LT 238	
				Average Concentration for Cross Section 03 :			*242*
4NT	10/23/99	11/01/99	9	05	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*246*
4NT	10/23/99	11/01/99	9	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
4NT	10/23/99	11/01/99	9	09	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*250*
4NT	10/23/99	11/01/99	9	11	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M119 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	10/23/99	11/01/99	9	03	1	LT	2200	
					2		2770	
					3		2700	
				Average Concentration for Cross Section 03 :				*2557*
HMX	10/23/99	11/01/99	9	05	1	LT	2100	
					2	LT	2200	
					3	LT	2200	
				Average Concentration for Cross Section 05 :				*2167*
HMX	10/23/99	11/01/99	9	07	1		2250	
					2	LT	2200	
					3	LT	2200	
				Average Concentration for Cross Section 07 :				*2217*
HMX	10/23/99	11/01/99	9	09	1	LT	2200	
					2		2020 J	
					3		1610 J	
				Average Concentration for Cross Section 09 :				*1943*
HMX	10/23/99	11/01/99	9	11	1	LT	2100	
					2	LT	2200	
					3		2390	
				Average Concentration for Cross Section 11 :				*2230*

Average Concentration for Windrow on Day 9 : ***2223***

Standard Deviation: ***268***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M119 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	10/23/99	11/01/99	9	03	1	LT	260
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 03 :			*252*
NB	10/23/99	11/01/99	9	05	1	LT	248
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 05 :			*256*
NB	10/23/99	11/01/99	9	07	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 07 :			*260*
NB	10/23/99	11/01/99	9	09	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 09 :			*260*
NB	10/23/99	11/01/99	9	11	1	LT	248
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 11 :			*256*

Average Concentration for Windrow on Day 9 : ***257***

Standard Deviation: ***5***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M119 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	10/23/99	11/01/99	9	03	1	LT	1000	
					2		6160	
					3		4560	
				Average Concentration for Cross Section 03 :				*3907*
RDX	10/23/99	11/01/99	9	05	1	LT	952	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 05 :				*984*
RDX	10/23/99	11/01/99	9	07	1		806 J	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 07 :				*935*
RDX	10/23/99	11/01/99	9	09	1	LT	1000	
					2		1220	
					3		1330	
				Average Concentration for Cross Section 09 :				*1183*
RDX	10/23/99	11/01/99	9	11	1	LT	952	
					2	LT	1000	
					3		2210	
				Average Concentration for Cross Section 11 :				*1387*

Average Concentration for Windrow on Day 9 : 1679

Standard Deviation: 1559

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M119 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	10/23/99	11/01/99	9	03	1	LT 650	
					2	LT 619	
					3	LT 619	
				Average Concentration for Cross Section 03 :			*629*
TETRYL	10/23/99	11/01/99	9	05	1	LT 619	
					2	LT 650	
					3	LT 650	
				Average Concentration for Cross Section 05 :			*640*
TETRYL	10/23/99	11/01/99	9	07	1	LT 650	
					2	LT 650	
					3	LT 650	
				Average Concentration for Cross Section 07 :			*650*
TETRYL	10/23/99	11/01/99	9	09	1	LT 650	
					2	LT 650	
					3	LT 650	
				Average Concentration for Cross Section 09 :			*650*
TETRYL	10/23/99	11/01/99	9	11	1	LT 619	
					2	LT 650	
					3	LT 650	
				Average Concentration for Cross Section 11 :			*640*

Average Concentration for Windrow on Day 9 : ***642***

Standard Deviation: ***14***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-120 Day 0: 11/1/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5740	12.1	2470	5.275	11605	20.475	19815
2	3.1	5780	12.1	2450	5.275	11605	20.475	19835
3	3.1	5720	12	2400	5.275	11605	20.375	19725
4	3.15	5840	12.15	2560	5.275	11605	20.575	20005
5	3	5710	12.1	2440	5.275	11605	20.375	19755
6	3.1	5760	11.9	2370	5.275	11605	20.275	19735
7	3.1	5790	12.1	2430	5.275	11605	20.475	19825
8	3.1	5750	12.15	2530	5.275	11605	20.525	19885
9	3.1	5720	12.1	2440	5.275	11605	20.475	19765
10	3.15	5840	12.1	2480	5.275	11605	20.525	19925
11	3.1	5750	12.1	2420	5.275	11605	20.475	19775
12	3.15	5810	12	2390	5.275	11605	20.425	19805
13	3.3	5890	12.5	2680	5.275	11605	21.075	20175
14	3.1	5770	12.15	2560	5.275	11605	20.525	19935
15	3.1	5710	12.1	2440	5.275	11605	20.475	19755
16	3.1	5760	12.1	2470	5.275	11605	20.475	19835
17	3.1	5700	12.9	2380	5.275	11605	21.275	19685
18	3.1	5710	12.15	2530	5.275	11605	20.525	19845
19	3.1	5740	12.1	2460	5.275	11605	20.475	19805
20	3.1	5740	12.1	2480	5.275	11605	20.475	19825
21	3.15	5830	12.15	2530	5.275	11605	20.575	19965
22	3.1	5710	12.1	2430	5.275	11605	20.475	19745
23	3	5690	12.1	2450	5.275	11605	20.375	19745
24	3.15	5810	11.9	2340	5.275	11605	20.325	19755
25	3.5	5930	12	2360	5.275	11605	20.775	19895
26	3.15	5860	12	2490	5.275	11605	20.425	19955
27	3	5770	12	2460	5.275	11605	20.275	19835
28	3.15	5890	11.8	2300	5.275	11605	20.225	19795
29	3	5710	11.9	2260	5.275	11605	20.175	19575
30	3	5640	12.25	2510	5.275	11605	20.525	19755
31	3.1	5810	12	2390	5.275	11605	20.375	19805
32	3.15	5850	12	2370	5.275	11605	20.425	19825
33	3	5710	12	2400	5.275	11605	20.275	19715
34	3.15	5820	12	2460	5.275	11605	20.425	19885
35	3	5790	11.9	2280	5.275	11605	20.175	19675
36	3	5680	12	2380	5.275	11605	20.275	19665
37	3	5690	11.9	2360	5.275	11605	20.175	19655
38	3	5590	11.75	2190	5.275	11605	20.025	19385
39	3	5760	12	2420	5.275	11605	20.275	19785
40					5.275	11605	5.275	11605
41								
42								
43								
Total	120.85	224770	470.75	94760	211.00	464200	802.6	783730

RECORD OF RECIPE (MIX NO. 7B)

Building # m/20 Windrow # M120 PERFORMED BY: _____

DATE: 11 101 199 INSPECTED BY: Webster

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3,15	5810	11,90	2340				
2	3 50	5930	12	2360				
3	3 15	5860	12	2490				
4	3	5770	12	2460				
5	3 15	5890	11,80	2300				
6	3	5710	11,90	2260				
7	3	5640	12,25	2510				
8	3 10	5810	12	2390				
9	3,15	5858	12	2370				
10	3	5710	12	2400				
11	3 15	5820	12	2460				
12	3	5790	11,90	2280				
13	3	5680	12	2380				
14	3	5690	11,90	2360				
15	3	5590	11,75	2190				
16	3	5760	12	2420				
Total								

Comments:

2247 M

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 120 PERFORMED BY: Howard

DATE: 1/1/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2470				
2	3.10	5780	12.10	2450				
3	3.10	5720	12	2400				
4	3.15	5840	12.15	2560				
5	3	5710	12.10	2440				
6	3.10	5760	11.90	2370				
7	3.10	5790	12.10	2430				
8	3.10	5750	12.15	2530				
9	3.10	5720	12.10	2440				
10	3.15	5840	12.10	2480				
11	3.10	5750	12.10	2420				
12	3.15	5810	12	2590				
13	3.30	5890	12.5	2680				
14	3.10	5770	12.15	2560				
15	3.10	5710	12.10	2440				
16	3.10	5760	12.10	2470				
17	3.10	5780	12.90	2380				
18	3.10	5710	12.15	2530				
19	3.10	5740	12.10	2460				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 120 PERFORMED BY: Howard

DATE: 11/1/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5740	12.10	2580				
21	3.15	5830	12.15	2530				
22	3.10	5710	12.10	2430				
23	3	5690	12.10	2450				
~~24~~								
~~25~~								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M120	11/1/99	11/1/99	0		28.77
		11/2/99	1	66.33	63.53
		11/3/99	2	51.00	52.03
		11/4/99	3	62.67	56.57
		11/5/99	4	60.53	51.87
		11/6/99	5	60.73	52.53
		11/7/99	6	59.00	52.77

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M120	11/1/99	11/1/99	0		15.77
		11/2/99	1	3.40	3.97
		11/3/99	2	3.07	3.93
		11/4/99	3	5.07	3.23
		11/5/99	4	5.27	4.10
		11/6/99	5	4.00	4.27
		11/7/99	6	5.70	5.60

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M120	11/1/99	11/1/99	0		43.86
		11/2/99	1		48.78
		11/4/99	3		44.24
		11/5/99	4		57.78

All average MWHC values are expressed in percent

Windrow Number: M120 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
135TNB	11/01/99	11/08/99	7	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
135TNB	11/01/99	11/08/99	7	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
135TNB	11/01/99	11/08/99	7	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
135TNB	11/01/99	11/08/99	7	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
135TNB	11/01/99	11/08/99	7	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 7 : ***250***

Standard Deviation: ***0***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M120 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	11/01/99	11/08/99	7	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
13DNB	11/01/99	11/08/99	7	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
13DNB	11/01/99	11/08/99	7	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
13DNB	11/01/99	11/08/99	7	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
13DNB	11/01/99	11/08/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 7 : 250

Standard Deviation: 0

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M120 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
246TNT	11/01/99	11/08/99	7	03	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*250*
246TNT	11/01/99	11/08/99	7	05	1	LT 250	
					2	137 J	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*212*
246TNT	11/01/99	11/08/99	7	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
246TNT	11/01/99	11/08/99	7	09	1	LT 250	
					2	LT 250	
					3	2850	
				Average Concentration for Cross Section 09 :			*1117*
246TNT	11/01/99	11/08/99	7	11	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 7 : ***416***

Standard Deviation: ***674***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M120 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	11/01/99	11/08/99	7	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
24DNT	11/01/99	11/08/99	7	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
24DNT	11/01/99	11/08/99	7	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
24DNT	11/01/99	11/08/99	7	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
24DNT	11/01/99	11/08/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 7 : ***250***

Standard Deviation: ***0***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M120 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	11/01/99	11/08/99	7	03	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*260*
26DNT	11/01/99	11/08/99	7	05	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 05 :				*260*
26DNT	11/01/99	11/08/99	7	07	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 07 :				*260*
26DNT	11/01/99	11/08/99	7	09	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*260*
26DNT	11/01/99	11/08/99	7	11	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*260*

Average Concentration for Windrow on Day 7 : 260

Standard Deviation: 0

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M120 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	11/01/99	11/08/99	7	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
2A46DT	11/01/99	11/08/99	7	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
2A46DT	11/01/99	11/08/99	7	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
2A46DT	11/01/99	11/08/99	7	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
2A46DT	11/01/99	11/08/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 7 : ***250***

Standard Deviation: ***0***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M120 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	11/01/99	11/08/99	7	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
2NT	11/01/99	11/08/99	7	05	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*250*
2NT	11/01/99	11/08/99	7	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2NT	11/01/99	11/08/99	7	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
2NT	11/01/99	11/08/99	7	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 7 : 250

Standard Deviation: 0

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M120 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	11/01/99	11/08/99	7	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
3NT	11/01/99	11/08/99	7	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
3NT	11/01/99	11/08/99	7	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
3NT	11/01/99	11/08/99	7	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
3NT	11/01/99	11/08/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 7 : ***250***

Standard Deviation: ***0***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M120 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4A26DT	11/01/99	11/08/99	7	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
4A26DT	11/01/99	11/08/99	7	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
4A26DT	11/01/99	11/08/99	7	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
4A26DT	11/01/99	11/08/99	7	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
4A26DT	11/01/99	11/08/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 7 : ***250***

Standard Deviation: ***0***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M120 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	11/01/99	11/08/99	7	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
4NT	11/01/99	11/08/99	7	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
4NT	11/01/99	11/08/99	7	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
4NT	11/01/99	11/08/99	7	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
4NT	11/01/99	11/08/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 7 : ***250***

Standard Deviation: ***0***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M120 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	11/01/99	11/08/99	7	03	1	LT	2200	
					2		1530 J	
					3		1400 J	
				Average Concentration for Cross Section 03 :				*1710*
HMX	11/01/99	11/08/99	7	05	1	LT	2200	
					2		1400 J	
					3	LT	2200	
				Average Concentration for Cross Section 05 :				*1933*
HMX	11/01/99	11/08/99	7	07	1		1740 J	
					2	LT	2200	
					3	LT	2200	
				Average Concentration for Cross Section 07 :				*2047*
HMX	11/01/99	11/08/99	7	09	1	LT	2200	
					2		2040 J	
					3		2570	
				Average Concentration for Cross Section 09 :				*2270*
HMX	11/01/99	11/08/99	7	11	1	LT	2200	
					2	LT	2200	
					3	LT	2200	
				Average Concentration for Cross Section 11 :				*2200*

Average Concentration for Windrow on Day 7 : 2032

Standard Deviation: 346

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M120 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	11/01/99	11/08/99	7	03	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*260*
NB	11/01/99	11/08/99	7	05	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 05 :			*260*
NB	11/01/99	11/08/99	7	07	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 07 :			*260*
NB	11/01/99	11/08/99	7	09	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 09 :			*260*
NB	11/01/99	11/08/99	7	11	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 7 : 260

Standard Deviation: 0

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M120 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	11/01/99	11/08/99	7	03	1	LT	1000	
					2		1340	
					3		1040	
				Average Concentration for Cross Section 03 :				*1127*
RDX	11/01/99	11/08/99	7	05	1	LT	1000	
					2		2670	
					3	LT	1000	
				Average Concentration for Cross Section 05 :				*1557*
RDX	11/01/99	11/08/99	7	07	1		1080	
					2	LT	1000	
					3		3980	
				Average Concentration for Cross Section 07 :				*2020*
RDX	11/01/99	11/08/99	7	09	1		2520	
					2		1800	
					3		3100	
				Average Concentration for Cross Section 09 :				*2473*
RDX	11/01/99	11/08/99	7	11	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 11 :				*1000*

Average Concentration for Windrow on Day 7 : 1635

Standard Deviation: 967

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M120 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	11/01/99	11/08/99	7	03	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 03 :				*650*
TETRYL	11/01/99	11/08/99	7	05	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 05 :				*650*
TETRYL	11/01/99	11/08/99	7	07	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 07 :				*650*
TETRYL	11/01/99	11/08/99	7	09	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 09 :				*650*
TETRYL	11/01/99	11/08/99	7	11	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 11 :				*650*

Average Concentration for Windrow on Day 7 : 650

Standard Deviation: 0

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-121 Day 0: 11/4/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5740	12.1	2480	5.275	11605	20.475	19825
2	3.1	5790	12.1	2450	5.275	11605	#REF!	19845
3	3.1	5790	12.1	2410	5.275	11605	20.475	19805
4	3.1	5750	12.1	2470	5.275	11605	20.475	19825
5	3.1	5770	12.15	2530	5.275	11605	20.525	19905
6	3.1	5780	12.1	2460	5.275	11605	20.475	19845
7	3.1	5720	12.15	2530	5.275	11605	20.525	19855
8	3.1	5740	12.1	2460	5.275	11605	20.475	19805
9	2.9	5680	12.1	2530	5.275	11605	20.275	19815
10	3	5610	12.1	2470	5.275	11605	20.375	19685
11	3.15	5810	12.1	2930	5.275	11605	20.525	20345
12	3.1	5740	12.1	2460	5.275	11605	20.475	19805
13	3	5700	12.1	2440	5.275	11605	20.375	19745
14	3.15	5830	12.1	2490	5.275	11605	20.525	19925
15	3.15	5860	12.1	2420	5.275	11605	20.525	19885
16	3.1	5790	12.1	2460	5.275	11605	20.475	19855
17	3	5690	12.1	2490	5.275	11605	20.375	19785
18	3.15	5820	12.1	2470	5.275	11605	20.525	19895
19	3.1	5730	12.1	2410	5.275	11605	20.475	19745
20	3.15	5860	12.1	2470	5.275	11605	20.525	19935
21	3.1	5710	12.1	2480	5.275	11605	20.475	19795
22	3	5700	12.1	2450	5.275	11605	20.375	19755
23	3.1	5770	12.1	2490	5.275	11605	20.475	19865
24	3.15	5830	12.1	2470	5.275	11605	20.525	19905
25	3.15	6000	11	2200	5.275	11605	19.425	19805
26	3.2	6100	14	2800	5.275	11605	22.475	20505
27	3.2	6200	14	2800	5.275	11605	22.475	20605
28	3.2	6200	11	2200	5.275	11605	19.475	20005
29	3.3	6300	11.5	2300	5.275	11605	20.075	20205
30	3.2	6100	11	2200	5.275	11605	19.475	19905
31	3.3	6300	11	2200	5.275	11605	19.575	20105
32	3.15	5800	13	2600	5.275	11605	21.425	20005
33	3.05	5780	12.5	2660	5.275	11605	20.825	20045
34	3	5700	12	2400	5.275	11605	20.275	19705
35	3.25	6200	13	2600	5.275	11605	21.525	20405
36	3.15	5820	12.1	2460	5.275	11605	20.525	19885
37	3.1	5740	12.15	2510	5.275	11605	20.525	19855
38	3.1	5750	12.1	2440	5.275	11605	20.475	19795
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	118.45	222200	448.75	94090	211.00	464200	#REF!	780490

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 121 PERFORMED BY: Howard

DATE: 11/3/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2480				
2	3.10	5790	12.10	2450				
3	3.10	5790	12.10	2410				
4	3.10	5750	12.10	2470				
5	3.10	5770	12.15	2530				
6	3.10	5780	12.10	2460				
7	3.10	5720	12.15	2530				
8	3.10	5740	12.10	2460				
9	2.90	5680	12.10	2420				
10	3	5610	12.10	2470				
11	3.15	5870	12.10	2430				
12	3.10	5740	12.10	2460				
13	3	5700	12.10	2440				
14	3.15	5830	12.10	2490				
15	3.15	5860	12.10	2420				
16	3.10	5790	12.10	2460				
17	3	5690	12.10	2490				
18	3.15	5820	12.10	2470				
19	3.10	5730	12.10	2410				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 121 PERFORMED BY: Howard

DATE: 1/13/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5860	12.10	2470				
21	3.10	5710	12.10	2480				
22	3.	5700	12.10	2450				
23	3.10	5770	12.10	2490				
24	3.15	5830	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 120 PERFORMED BY: T. H.

DATE: 11/13/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3.00 CY 5700 Pounds 8100
Straw 12.00 CY 2400 Pounds
Soil _____ CY _____ Pounds 1900

Ford Tractor hours 517

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	6000	11.00	2200				
2	3.20	6100	14.00	2800				
3	3.20	6200	14.00	2800				
4	3.20	6200	11.00	2200				
5	3.30	6300	11.50	2300				
6	3.20	6100	11.00	2200				
7	3.30	6300	11.00	2200				
8	3.15	5800	13.00	2600				
9	3.05	5780	12.50	2660				
10	3.00	5700	12.00	2400				
11	3.25	6200	13.00	2600				
12	3.15	5920	12.10	2460				
13	3.10	5740	12.15	2510				
14	3.10	5150	12.10	2470				
Total								

Comments:

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S121	11/4/99	11/4/99	0		3.27
		11/5/99	1	4.37	3.70
		11/6/99	2	2.97	3.30
		11/7/99	3	6.70	5.17
		11/8/99	4	6.63	4.87
		11/9/99	5	13.40	9.53
		11/10/99	6	7.63	1.57
		11/11/99	7	3.17	2.17
		11/12/99	8	1.97	2.40
		11/13/99	9	14.37	15.43
		11/14/99	10	13.10	12.17
		11/15/99	11	12.70	14.10
		11/16/99	12	7.93	10.67
		11/17/99	13	13.63	5.97

All average Oxygen values are expressed as a percent

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S121	11/4/99	11/4/99	0		22.60
		11/5/99	1	51.23	29.93
		11/6/99	2	59.13	45.03
		11/7/99	3	61.27	51.27
		11/8/99	4	56.50	52.83
		11/9/99	5	61.27	63.87
		11/10/99	6	63.37	49.93
		11/11/99	7	56.37	54.17
		11/12/99	8	62.27	57.97
		11/13/99	9	66.50	62.10
		11/14/99	10	67.83	62.47
		11/15/99	11	55.93	49.73
		11/16/99	12	63.33	54.33
		11/17/99	13	60.23	51.60

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S121	11/4/99	11/4/99	0		48.88
		11/5/99	1		57.12
		11/9/99	5		49.06
		11/11/99	7		52.32
		11/15/99	11		45.96
		11/17/99	13		56.64

All average MWHC values are expressed in percent

Windrow Number: S121 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	11/04/99	11/18/99	14	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
135TNB	11/04/99	11/18/99	14	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
135TNB	11/04/99	11/18/99	14	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
135TNB	11/04/99	11/18/99	14	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
135TNB	11/04/99	11/18/99	14	11	1	LT	250	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 14 : ***248***

Standard Deviation: ***6***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S121 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	11/04/99	11/18/99	14	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
13DNB	11/04/99	11/18/99	14	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
13DNB	11/04/99	11/18/99	14	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
13DNB	11/04/99	11/18/99	14	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
13DNB	11/04/99	11/18/99	14	11	1	LT	250	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 14 : 248

Standard Deviation: 6

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S121 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	11/04/99	11/18/99	14	03	1	LT	250	
					2	LT	250	
					3		949	
				Average Concentration for Cross Section 03 :				*483*
246TNT	11/04/99	11/18/99	14	05	1	LT	250	
					2		7040	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*2513*
246TNT	11/04/99	11/18/99	14	07	1	LT	250	
					2	LT	250	
					3		388	
				Average Concentration for Cross Section 07 :				*296*
246TNT	11/04/99	11/18/99	14	09	1	LT	250	
					2	LT	250	
					3		2460	
				Average Concentration for Cross Section 09 :				*987*
246TNT	11/04/99	11/18/99	14	11	1		396	
					2		259	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*298*

Average Concentration for Windrow on Day 14 : ***915***

Standard Deviation: ***1790***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S121 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	11/04/99	11/18/99	14	03	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*250*
24DNT	11/04/99	11/18/99	14	05	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*250*
24DNT	11/04/99	11/18/99	14	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
24DNT	11/04/99	11/18/99	14	09	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*250*
24DNT	11/04/99	11/18/99	14	11	1	LT 250	
					2	LT 227	
					3	LT 238	
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 14 : 248

Standard Deviation: 6

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S121 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	11/04/99	11/18/99	14	03	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*260*
26DNT	11/04/99	11/18/99	14	05	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 05 :				*260*
26DNT	11/04/99	11/18/99	14	07	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 07 :				*260*
26DNT	11/04/99	11/18/99	14	09	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*260*
26DNT	11/04/99	11/18/99	14	11	1	LT	260	
					2	LT	236	
					3	LT	248	
				Average Concentration for Cross Section 11 :				*248*

Average Concentration for Windrow on Day 14 : 258

Standard Deviation: 7

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S121 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	11/04/99	11/18/99	14	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
2A46DT	11/04/99	11/18/99	14	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
2A46DT	11/04/99	11/18/99	14	07	1	LT	250	
					2	LT	250	
					3		669	
				Average Concentration for Cross Section 07 :				*390*
2A46DT	11/04/99	11/18/99	14	09	1	LT	250	
					2	LT	250	
					3		1220	
				Average Concentration for Cross Section 09 :				*573*
2A46DT	11/04/99	11/18/99	14	11	1	LT	250	
					2		258	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*249*

Average Concentration for Windrow on Day 14 : 342

Standard Deviation: 266

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S121 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	11/04/99	11/18/99	14	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
2NT	11/04/99	11/18/99	14	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
2NT	11/04/99	11/18/99	14	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
2NT	11/04/99	11/18/99	14	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
2NT	11/04/99	11/18/99	14	11	1	LT	250	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 14 : ***248***

Standard Deviation: ***6***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S121 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	11/04/99	11/18/99	14	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
3NT	11/04/99	11/18/99	14	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
3NT	11/04/99	11/18/99	14	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
3NT	11/04/99	11/18/99	14	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
3NT	11/04/99	11/18/99	14	11	1	LT	250	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 14 : 248

Standard Deviation: 6

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S121 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	11/04/99	11/18/99	14	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
4A26DT	11/04/99	11/18/99	14	05	1	LT	250	
					2		226 J	
					3		687	
				Average Concentration for Cross Section 05 :				*388*
4A26DT	11/04/99	11/18/99	14	07	1	LT	250	
					2	LT	250	
					3		1290	
				Average Concentration for Cross Section 07 :				*597*
4A26DT	11/04/99	11/18/99	14	09	1	LT	250	
					2	LT	250	
					3		1140	
				Average Concentration for Cross Section 09 :				*547*
4A26DT	11/04/99	11/18/99	14	11	1	LT	250	
					2		613	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*367*

Average Concentration for Windrow on Day 14 : 430

Standard Deviation: 350

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S121 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	11/04/99	11/18/99	14	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
4NT	11/04/99	11/18/99	14	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
4NT	11/04/99	11/18/99	14	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
4NT	11/04/99	11/18/99	14	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
4NT	11/04/99	11/18/99	14	11	1	LT	250	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 14 : 248

Standard Deviation: 6

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S121 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	11/04/99	11/18/99	14	03	1	LT	2200	
					2	LT	2200	
					3		4790	
				Average Concentration for Cross Section 03 :				*3063*
HMX	11/04/99	11/18/99	14	05	1	LT	2200	
					2	LT	2200	
					3		3610	
				Average Concentration for Cross Section 05 :				*2670*
HMX	11/04/99	11/18/99	14	07	1	LT	2200	
					2	LT	2200	
					3		7180	
				Average Concentration for Cross Section 07 :				*3860*
HMX	11/04/99	11/18/99	14	09	1	LT	2200	
					2	LT	2200	
					3		1370 J	
				Average Concentration for Cross Section 09 :				*1923*
HMX	11/04/99	11/18/99	14	11	1	LT	2200	
					2		6560	
					3		5480	
				Average Concentration for Cross Section 11 :				*4747*

Average Concentration for Windrow on Day 14 : ***3253***

Standard Deviation: ***1839***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S121 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	11/04/99	11/18/99	14	03	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*260*
NB	11/04/99	11/18/99	14	05	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 05 :			*260*
NB	11/04/99	11/18/99	14	07	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 07 :			*260*
NB	11/04/99	11/18/99	14	09	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 09 :			*260*
NB	11/04/99	11/18/99	14	11	1	LT	260
					2	LT	236
					3	LT	248
				Average Concentration for Cross Section 11 :			*248*

Average Concentration for Windrow on Day 14 : 258

Standard Deviation: 7

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S121 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	11/04/99	11/18/99	14	03	1		1750	
					2	LT	1000	
					3		6900	
				Average Concentration for Cross Section 03 :				*3217*
RDX	11/04/99	11/18/99	14	05	1	LT	1000	
					2	LT	1000	
					3		2660	
				Average Concentration for Cross Section 05 :				*1553*
RDX	11/04/99	11/18/99	14	07	1	LT	1000	
					2	LT	1000	
					3		6240	
				Average Concentration for Cross Section 07 :				*2747*
RDX	11/04/99	11/18/99	14	09	1	LT	1000	
					2	LT	1000	
					3	LT	1000	
				Average Concentration for Cross Section 09 :				*1000*
RDX	11/04/99	11/18/99	14	11	1	LT	1000	
					2		3900	
					3		4120	
				Average Concentration for Cross Section 11 :				*3007*

Average Concentration for Windrow on Day 14 : 2305

Standard Deviation: 2039

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S121 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	11/04/99	11/18/99	14	03	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 03 :				*650*
TETRYL	11/04/99	11/18/99	14	05	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 05 :				*650*
TETRYL	11/04/99	11/18/99	14	07	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 07 :				*650*
TETRYL	11/04/99	11/18/99	14	09	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 09 :				*650*
TETRYL	11/04/99	11/18/99	14	11	1	LT	650	
					2	LT	591	
					3	LT	619	
				Average Concentration for Cross Section 11 :				*620*

Average Concentration for Windrow on Day 14 : 644

Standard Deviation: 17

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-122 Day 0: 11/9/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2470	5.275	11605	20.475	19825
2	3.1	5740	12.1	2420	5.275	11605	20.525	19765
3	3.1	5720	12.15	2510	5.275	11605	20.525	19835
4	3	5700	12.15	2540	5.275	11605	20.425	19845
5	3.1	5790	12.1	2490	5.275	11605	20.475	19885
6	3.1	5730	11.75	2370	5.275	11605	20.125	19705
7	3.1	5750	12.1	2470	5.275	11605	20.475	19825
8	3.1	5730	12.2	2590	5.275	11605	20.575	19925
9	3.1	5790	12.1	2480	5.275	11605	20.475	19875
10	3.1	5740	12.1	2410	5.275	11605	20.475	19755
11	3.1	5730	12.1	2440	5.275	11605	20.475	19775
12	3.1	5780	12.1	2490	5.275	11605	20.475	19875
13	3.1	5760	12.15	2520	5.275	11605	20.525	19885
14	3.15	5820	12.1	2470	5.275	11605	20.525	19895
15	3.1	5740	12.1	2450	5.275	11605	20.475	19795
16	3.15	5820	12.1	2470	5.275	11605	20.525	19895
17	3	5700	11.5	2350	5.275	11605	19.775	19655
18	3.1	5780	12.1	2460	5.275	11605	20.475	19845
19	3.1	5790	12.15	2540	5.275	11605	20.525	19935
20	3.1	5770	12.15	2540	5.275	11605	20.525	19915
21	3	5700	12.1	2430	5.275	11605	20.375	19735
22	3.1	5740	12.1	2470	5.275	11605	20.475	19815
23	3.1	5760	12	2400	5.275	11605	20.375	19765
24	3.05	5790	12.25	2450	5.275	11605	20.575	19845
25	3.55	5810	12.1	2590	5.275	11605	20.925	20005
26	3	5720	12	2410	5.275	11605	20.275	19735
27	3	5710	12	2400	5.275	11605	20.275	19715
28	3	5730	12	2460	5.275	11605	20.275	19795
29	3	5700	12	2410	5.275	11605	20.275	19715
30	3.5	5820	12	2450	5.275	11605	20.775	19875
31	3.05	5750	12.1	2540	5.275	11605	20.425	19895
32	3.5	5840	12.1	2510	5.275	11605	20.875	19955
33	3	5720	12	2400	5.275	11605	20.275	19725
34	3	5700	12	2420	5.275	11605	20.275	19725
35	3	5710	12	2400	5.275	11605	20.275	19715
36	3	5700	12	2440	5.275	11605	20.275	19745
37	3	5760	12	2490	5.275	11605	20.275	19855
38	3	5720	12	2410	5.275	11605	20.275	19735
39	3	5790	12	2450	5.275	11605	20.275	19845
40					5.275	11605	5.275	11605
Total	120.75	224300	458.05	96010	211.00	464200	801.95	784510

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 122 PERFORMED BY: Hound.

DATE: 11/8/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.05	5790	12.05	2450				
2	3.55	5810	12.10	2590				
3	3	5720	12	2410				
4	3	5710	12	2400				
5	3	5730	12	2460				
6	3	5700	12	2410				
7	3.50	5820	12	2450				
8	3.05	5750	12.10	2540				
9	3.50	5840	12.10	2510				
10	3	5720	12	2400				
11	3	5700	12	2420				
12	3	5710	12	2460				
13	3	5700	12	2440				
14	3	5760	12	2490				
15	3	5720	12	2410				
16	3	5790	12	2450				
17								
18								
Total								

Comments:

2274 M

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 122 PERFORMED BY: Howard

DATE: 11 13 90 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2700 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2470				
2	3.10	5740	12.10	2420				
3	3.10	5720	12.15	2510				
4	3	5700	12.15	2540				
5	3.10	5790	12.10	2490				
6	3.10	5730	11.75	2370				
7	3.10	5750	12.10	2470				
8	3.10	5730	12.20	2590				
9	3.10	5790	12.10	2480				
10	3.10	5740	12.10	2410				
11	3.10	5730	12.10	2440				
12	3.10	5780	12.10	2490				
13	3.10	5760	12.15	2520				
14	3.15	5820	12.10	2470				
15	3.10	5740	12.10	2450				
16	3.15	5820	12.10	2470				
17	3	5700	11.50	2350				
18	3.10	5780	12.10	2460				
19	3.10	5790	12.15	2540				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 122 PERFORMED BY: Howard

DATE: 11/15/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5770	12.15	2540				
21	3	5700	12.10	2430				
22	3.10	5740	12.10	2470				
23	3.10	5760	12	2400				
~~24~~								
~~25~~								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S122	11/9/99	11/9/99	0		37.33
		11/10/99	1	56.80	51.07
		11/11/99	2	60.03	53.50
		11/12/99	3	58.17	55.70
		11/13/99	4	63.67	61.47
		11/14/99	5	65.30	62.27
		11/15/99	6	55.83	49.03

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S122	11/9/99	11/9/99	0		2.50
		11/10/99	1	4.50	1.63
		11/11/99	2	1.63	2.13
		11/12/99	3	1.79	2.53
		11/13/99	4	11.47	11.87
		11/14/99	5	11.77	11.13
		11/15/99	6	12.47	13.77

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S122	11/9/99	11/9/99	0		50.62
		11/11/99	2		38.74
		11/12/99	3		54.06
		11/15/99	6		42.76

All average MWHC values are expressed in percent

Windrow Number: S122 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	11/09/99	11/16/99	7	03	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
135TNB	11/09/99	11/16/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
135TNB	11/09/99	11/16/99	7	07	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*231*
135TNB	11/09/99	11/16/99	7	09	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*242*
135TNB	11/09/99	11/16/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 7 : 239

Standard Deviation: 9

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S122 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	11/09/99	11/16/99	7	03	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
13DNB	11/09/99	11/16/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
13DNB	11/09/99	11/16/99	7	07	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*231*
13DNB	11/09/99	11/16/99	7	09	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*242*
13DNB	11/09/99	11/16/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 7 : 239

Standard Deviation: 9

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S122 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	11/09/99	11/16/99	7	03	1	LT	238	
					2		2340	
					3		1360	
				Average Concentration for Cross Section 03 :				*1313*
246TNT	11/09/99	11/16/99	7	05	1		64800	
					2		385	
					3		1380	
				Average Concentration for Cross Section 05 :				*22188*
246TNT	11/09/99	11/16/99	7	07	1	LT	227	
					2	LT	227	
					3		1040	
				Average Concentration for Cross Section 07 :				*498*
246TNT	11/09/99	11/16/99	7	09	1		242	
					2		1120	
					3		1360	
				Average Concentration for Cross Section 09 :				*907*
246TNT	11/09/99	11/16/99	7	11	1		415	
					2		2460	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*1034*

Average Concentration for Windrow on Day 7 : ***5188***

Standard Deviation: ***16508***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S122 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	11/09/99	11/16/99	7	03	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
24DNT	11/09/99	11/16/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
24DNT	11/09/99	11/16/99	7	07	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*231*
24DNT	11/09/99	11/16/99	7	09	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*242*
24DNT	11/09/99	11/16/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 7 : 239

Standard Deviation: 9

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S122 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	11/09/99	11/16/99	7	03	1	LT	248	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 03 :				*252*
26DNT	11/09/99	11/16/99	7	05	1	LT	248	
					2	LT	260	
					3	LT	236	
				Average Concentration for Cross Section 05 :				*248*
26DNT	11/09/99	11/16/99	7	07	1	LT	236	
					2	LT	236	
					3	LT	248	
				Average Concentration for Cross Section 07 :				*240*
26DNT	11/09/99	11/16/99	7	09	1	LT	248	
					2	LT	248	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*252*
26DNT	11/09/99	11/16/99	7	11	1	LT	260	
					2	LT	260	
					3	LT	236	
				Average Concentration for Cross Section 11 :				*252*

Average Concentration for Windrow on Day 7 : 249

Standard Deviation: 10

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S122 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	11/09/99	11/16/99	7	03	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*242*
2A46DT	11/09/99	11/16/99	7	05	1	LT	238
					2	LT	250
					3	LT	227
				Average Concentration for Cross Section 05 :			*238*
2A46DT	11/09/99	11/16/99	7	07	1	LT	227
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 07 :			*231*
2A46DT	11/09/99	11/16/99	7	09	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 09 :			*242*
2A46DT	11/09/99	11/16/99	7	11	1	LT	250
					2	LT	250
					3	LT	227
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 7 : 239

Standard Deviation: 9

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S122 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	11/09/99	11/16/99	7	03	1	LT 238	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 03 :			*242*
2NT	11/09/99	11/16/99	7	05	1	LT 238	
					2	LT 250	
					3	LT 227	
				Average Concentration for Cross Section 05 :			*238*
2NT	11/09/99	11/16/99	7	07	1	LT 227	
					2	LT 227	
					3	LT 238	
				Average Concentration for Cross Section 07 :			*231*
2NT	11/09/99	11/16/99	7	09	1	LT 238	
					2	LT 238	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*242*
2NT	11/09/99	11/16/99	7	11	1	LT 250	
					2	LT 250	
					3	LT 227	
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 7 : *239*

Standard Deviation: *9*

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S122 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	11/09/99	11/16/99	7	03	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
3NT	11/09/99	11/16/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
3NT	11/09/99	11/16/99	7	07	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*231*
3NT	11/09/99	11/16/99	7	09	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*242*
3NT	11/09/99	11/16/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 7 : 239

Standard Deviation: 9

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S122 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	11/09/99	11/16/99	7	03	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
4A26DT	11/09/99	11/16/99	7	05	1	LT	238	
					2		447	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*304*
4A26DT	11/09/99	11/16/99	7	07	1	LT	227	
					2		500	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*322*
4A26DT	11/09/99	11/16/99	7	09	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*242*
4A26DT	11/09/99	11/16/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 7 : 270

Standard Deviation: 83

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S122 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	11/09/99	11/16/99	7	03	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*242*
4NT	11/09/99	11/16/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
4NT	11/09/99	11/16/99	7	07	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*231*
4NT	11/09/99	11/16/99	7	09	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*242*
4NT	11/09/99	11/16/99	7	11	1	LT	250	
					2	LT	250	
					3	LT	227	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 7 : 239

Standard Deviation: 9

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S122 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	11/09/99	11/16/99	7	03	1	LT	2100	
					2		4620	
					3	LT	2100	
				Average Concentration for Cross Section 03 :				*2940*
HMX	11/09/99	11/16/99	7	05	1		2480	
					2	LT	2200	
					3	LT	2000	
				Average Concentration for Cross Section 05 :				*2227*
HMX	11/09/99	11/16/99	7	07	1	LT	2000	
					2	LT	2000	
					3	LT	2100	
				Average Concentration for Cross Section 07 :				*2033*
HMX	11/09/99	11/16/99	7	09	1	LT	2100	
					2		3140	
					3		4890	
				Average Concentration for Cross Section 09 :				*3377*
HMX	11/09/99	11/16/99	7	11	1	LT	2200	
					2		3650	
					3		2200	
				Average Concentration for Cross Section 11 :				*2683*

Average Concentration for Windrow on Day 7 : 2652

Standard Deviation: 973

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S122 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	11/09/99	11/16/99	7	03	1	LT	248	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 03 :				*252*
NB	11/09/99	11/16/99	7	05	1	LT	248	
					2	LT	260	
					3	LT	236	
				Average Concentration for Cross Section 05 :				*248*
NB	11/09/99	11/16/99	7	07	1	LT	236	
					2	LT	236	
					3	LT	248	
				Average Concentration for Cross Section 07 :				*240*
NB	11/09/99	11/16/99	7	09	1	LT	248	
					2	LT	248	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*252*
NB	11/09/99	11/16/99	7	11	1	LT	260	
					2	LT	260	
					3	LT	236	
				Average Concentration for Cross Section 11 :				*252*

Average Concentration for Windrow on Day 7 : 249

Standard Deviation: 10

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S122 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	11/09/99	11/16/99	7	03	1	LT	952	
					2		12600	
					3	LT	952	
				Average Concentration for Cross Section 03 :				*4835*
RDX	11/09/99	11/16/99	7	05	1		3510	
					2	LT	1000	
					3		1680	
				Average Concentration for Cross Section 05 :				*2063*
RDX	11/09/99	11/16/99	7	07	1	LT	909	
					2		1140	
					3		2710	
				Average Concentration for Cross Section 07 :				*1586*
RDX	11/09/99	11/16/99	7	09	1	LT	952	
					2		9580	
					3		14700	
				Average Concentration for Cross Section 09 :				*8411*
RDX	11/09/99	11/16/99	7	11	1	LT	1000	
					2		15000	
					3		7200	
				Average Concentration for Cross Section 11 :				*7733*

Average Concentration for Windrow on Day 7 : ***4926***

Standard Deviation: ***5404***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S122 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	11/09/99	11/16/99	7	03	1	LT	619	
					2	LT	650	
					3	LT	619	
				Average Concentration for Cross Section 03 :				*629*
TETRYL	11/09/99	11/16/99	7	05	1	LT	619	
					2	LT	650	
					3	LT	591	
				Average Concentration for Cross Section 05 :				*620*
TETRYL	11/09/99	11/16/99	7	07	1	LT	591	
					2	LT	591	
					3	LT	619	
				Average Concentration for Cross Section 07 :				*600*
TETRYL	11/09/99	11/16/99	7	09	1	LT	619	
					2	LT	619	
					3	LT	650	
				Average Concentration for Cross Section 09 :				*629*
TETRYL	11/09/99	11/16/99	7	11	1	LT	650	
					2	LT	650	
					3	LT	591	
				Average Concentration for Cross Section 11 :				*630*

Average Concentration for Windrow on Day 7 : 622

Standard Deviation: 24

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-123 Day 0: 11/10/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5720	12.15	2530	5.275	11605	20.525	19855
2	3.1	5740	12.1	2470	5.275	11605	20.475	19815
3	3.1	5780	12.15	2510	5.275	11605	20.525	19895
4	3.15	5830	12.15	2540	5.275	11605	20.575	19975
5	3.1	5710	12.1	2480	5.275	11605	20.475	19795
6	3.1	5750	12.1	2490	5.275	11605	20.475	19845
7	3.15	5890	12.1	2470	5.275	11605	20.525	19965
8	3.1	5760	12.1	2430	5.275	11605	20.475	19795
9	3.15	5820	12	2400	5.275	11605	20.425	19825
10	3.1	5750	12.1	2430	5.275	11605	20.475	19785
11	3.1	5790	12	2410	5.275	11605	20.375	19805
12	3	5700	11.75	2550	5.275	11605	20.025	19855
13	3.15	5850	12.1	2480	5.275	11605	20.525	19935
14	3.1	5750	12.1	2420	5.275	11605	20.475	19775
15	3.1	5720	12.15	2510	5.275	11605	20.525	19835
16	3	5690	12.1	2450	5.275	11605	20.375	19745
17	3.15	5820	12	2400	5.275	11605	20.425	19825
18	3.1	5770	12.1	2440	5.275	11605	20.475	19815
19	3.15	5840	12	2400	5.275	11605	20.425	19845
20	3.1	5790	12.15	2510	5.275	11605	20.525	19905
21	3	5700	12.1	2450	5.275	11605	20.375	19755
22	3.1	5740	12.1	2490	5.275	11605	20.475	19835
23	3.1	5770	12.1	2430	5.275	11605	20.475	19805
24	3.1	5750	12	2400	5.275	11605	20.375	19755
25	3.1	5710	12.15	2550	5.275	11605	20.525	19865
26	3.1	5780	12.1	2440	5.275	11605	20.475	19825
27	3.15	5740	12.1	2490	5.275	11605	20.525	19835
28	3.15	5810	12.2	2640	5.275	11605	20.625	20055
29	3.1	5790	12.15	2540	5.275	11605	20.525	19935
30	3	5700	12.1	2470	5.275	11605	20.375	19775
31	2.9	5680	12.15	2530	5.275	11605	20.325	19815
32	3.1	5740	12.1	2490	5.275	11605	20.475	19835
33	3.15	5860	12.1	2470	5.275	11605	20.525	19935
34	3	5710	12.1	2450	5.275	11605	20.375	19765
35	3.15	5850	12.1	2470	5.275	11605	20.525	19925
36	3.1	5740	12	2400	5.275	11605	20.375	19745
37	3.1	5790	12.1	2460	5.275	11605	20.475	19855
38	3.15	5840	12	2410	5.275	11605	20.425	19855
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	117.65	219170	459.25	93900	211.00	464200	787.9	777270

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 123 PERFORMED BY: Howard

DATE: 11 19 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5720	12.15	2530				
2	3.10	5740	12.10	2470				
3	3.10	5780	12.15	2510				
4	3.15	5830	12.15	2540				
5	3.10	5700	12.10	2480				
6	3.10	5750	12.10	2490				
7	3.15	5890	12.10	2470				
8	3.10	5760	12.10	2430				
9	3.15	5820	12	2400				
10	3.10	5750	12.10	2430				
11	3.10	5790	12	2410				
12	3	5700	11.75	2350				
13	3.15	5850	12.10	2480				
14	3.10	5750	12.10	2420				
15	3.10	5720	12.15	2510				
16	3	5680	12.10	2450				
17	3.15	5820	12	2400				
18	3.10	5770	12.10	2440				
19	3.15	5840	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 123 PERFORMED BY: [illegible]

DATE: 11/10/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5790	12.15	2510				
21	3	5700	12.10	2450				
22	3.10	5740	12.10	2490				
23	3.10	5770	12.10	2430				
24	3.10	5750	12	2400				
25	3.10	5710	12.15	2550				
26	3.10	5780	12.10	2440				
27	3.15	5840	12.10	2490				
28	3.15	5810	12.20	2640				
29	3.10	5790	12.15	2540				
30	3	5700	12.10	2470				
31	2.90	5680	12.15	2530				
32	3.10	5740	12.10	2490				
33	3.15	5860	12.10	2460				
34	3	5710	12.10	2450				
35	3.15	5850	12.10	2470				
36	3.10	5740	12	2400				
37	3.10	5790	12.10	2460				
38	3.15	5840	12.	2410				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
123	11/10/99	11/10/99	0		26.80
		11/11/99	1	30.70	30.23
		11/12/99	2	52.97	49.50
		11/13/99	3	62.53	55.77
		11/14/99	4	60.73	59.20
		11/15/99	5	55.30	50.53
		11/16/99	6	63.33	53.37
		11/17/99	7	51.43	59.33
		11/18/99	8	51.37	46.33

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M123	11/10/99	11/10/99	0		3.17
		11/11/99	1	1.53	2.83
		11/12/99	2	1.90	2.37
		11/13/99	3	9.03	11.73
		11/14/99	4	12.77	11.93
		11/15/99	5	15.33	14.17
		11/16/99	6	11.43	14.20
		11/17/99	7	13.93	10.07
		11/18/99	8	14.33	13.30

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M123	11/10/99	11/10/99	0		39.86
		11/11/99	1		39.92
		11/12/99	2		53.06
		11/15/99	5		43.68
		11/17/99	7		49.42

All average MWHC values are expressed in percent

Windrow Number: M123 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	11/10/99	11/19/99	9	03	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
135TNB	11/10/99	11/19/99	9	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
135TNB	11/10/99	11/19/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
135TNB	11/10/99	11/19/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
135TNB	11/10/99	11/19/99	9	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 9 : 249

Standard Deviation: 3

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M123 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	11/10/99	11/19/99	9	03	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
13DNB	11/10/99	11/19/99	9	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
13DNB	11/10/99	11/19/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
13DNB	11/10/99	11/19/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
13DNB	11/10/99	11/19/99	9	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 9 : 249

Standard Deviation: 3

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M123 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	11/10/99	11/19/99	9	03	1		29200	
					2		8590	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*12680*
246TNT	11/10/99	11/19/99	9	05	1		2030	
					2		164 J	
					3		1190	
				Average Concentration for Cross Section 05 :				*1128*
246TNT	11/10/99	11/19/99	9	07	1	LT	250	
					2		180 J	
					3		1340	
				Average Concentration for Cross Section 07 :				*590*
246TNT	11/10/99	11/19/99	9	09	1	LT	250	
					2	LT	250	
					3		646	
				Average Concentration for Cross Section 09 :				*382*
246TNT	11/10/99	11/19/99	9	11	1		1310	
					2		500	
					3		3470	
				Average Concentration for Cross Section 11 :				*1760*

Average Concentration for Windrow on Day 9 : 3308

Standard Deviation: 7485

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M123 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	11/10/99	11/19/99	9	03	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
24DNT	11/10/99	11/19/99	9	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
24DNT	11/10/99	11/19/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
24DNT	11/10/99	11/19/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
24DNT	11/10/99	11/19/99	9	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 9 : 249

Standard Deviation: 3

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M123 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	11/10/99	11/19/99	9	03	1	LT	248	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*256*
26DNT	11/10/99	11/19/99	9	05	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 05 :				*260*
26DNT	11/10/99	11/19/99	9	07	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 07 :				*260*
26DNT	11/10/99	11/19/99	9	09	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*260*
26DNT	11/10/99	11/19/99	9	11	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*260*

Average Concentration for Windrow on Day 9 : 259

Standard Deviation: 3

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M123 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	11/10/99	11/19/99	9	03	1		343	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*281*
2A46DT	11/10/99	11/19/99	9	05	1	LT	250	
					2	LT	250	
					3		346	
				Average Concentration for Cross Section 05 :				*282*
2A46DT	11/10/99	11/19/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
2A46DT	11/10/99	11/19/99	9	09	1	LT	250	
					2	LT	250	
					3		280	
				Average Concentration for Cross Section 09 :				*260*
2A46DT	11/10/99	11/19/99	9	11	1		1800	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*767*

Average Concentration for Windrow on Day 9 : 368

Standard Deviation: 398

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M123 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	11/10/99	11/19/99	9	03	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*246*
2NT	11/10/99	11/19/99	9	05	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*250*
2NT	11/10/99	11/19/99	9	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
2NT	11/10/99	11/19/99	9	09	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*250*
2NT	11/10/99	11/19/99	9	11	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 9 : ***249***

Standard Deviation: ***3***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M123 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	11/10/99	11/19/99	9	03	1		934	
					2	LT	250	
					3		170 J	
				Average Concentration for Cross Section 03 :				*451*
4A26DT	11/10/99	11/19/99	9	05	1	LT	250	
					2		694	
					3		1520	
				Average Concentration for Cross Section 05 :				*821*
4A26DT	11/10/99	11/19/99	9	07	1		220 J	
					2		699	
					3		854	
				Average Concentration for Cross Section 07 :				*591*
4A26DT	11/10/99	11/19/99	9	09	1	LT	250	
					2		282	
					3		1060	
				Average Concentration for Cross Section 09 :				*531*
4A26DT	11/10/99	11/19/99	9	11	1		2020	
					2		675	
					3		1180	
				Average Concentration for Cross Section 11 :				*1292*

Average Concentration for Windrow on Day 9 : *737*

Standard Deviation: *543*

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M123 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	11/10/99	11/19/99	9	03	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
4NT	11/10/99	11/19/99	9	05	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*250*
4NT	11/10/99	11/19/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
4NT	11/10/99	11/19/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*250*
4NT	11/10/99	11/19/99	9	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 9 : 249

Standard Deviation: 3

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M123 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
HMX	11/10/99	11/19/99	9	03	1		5100	
					2	LT	2200	
					3	LT	2200	
				Average Concentration for Cross Section 03 :				*3167*
HMX	11/10/99	11/19/99	9	05	1	LT	2200	
					2		5400	
					3		5750	
				Average Concentration for Cross Section 05 :				*4450*
HMX	11/10/99	11/19/99	9	07	1	LT	2200	
					2		2420	
					3	LT	2200	
				Average Concentration for Cross Section 07 :				*2273*
HMX	11/10/99	11/19/99	9	09	1	LT	2200	
					2	LT	2200	
					3		4060	
				Average Concentration for Cross Section 09 :				*2820*
HMX	11/10/99	11/19/99	9	11	1		3960	
					2		2560	
					3		6390	
				Average Concentration for Cross Section 11 :				*4303*

Average Concentration for Windrow on Day 9 : ***3403***

Standard Deviation: ***1555***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M123 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	11/10/99	11/19/99	9	03	1	LT	248	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*256*
NB	11/10/99	11/19/99	9	05	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 05 :				*260*
NB	11/10/99	11/19/99	9	07	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 07 :				*260*
NB	11/10/99	11/19/99	9	09	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*260*
NB	11/10/99	11/19/99	9	11	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*260*

Average Concentration for Windrow on Day 9 : 259

Standard Deviation: 3

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M123 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
RDX	11/10/99	11/19/99	9	03	1	27100	
					2	2640	
					3	5480	
				Average Concentration for Cross Section 03 :			*11740*
RDX	11/10/99	11/19/99	9	05	1	2580	
					2	24100	
					3	18100	
				Average Concentration for Cross Section 05 :			*14927*
RDX	11/10/99	11/19/99	9	07	1	1080	
					2	13800	
					3	1560	
				Average Concentration for Cross Section 07 :			*5480*
RDX	11/10/99	11/19/99	9	09	1	7400	
					2	4320	
					3	14500	
				Average Concentration for Cross Section 09 :			*8740*
RDX	11/10/99	11/19/99	9	11	1	8970	
					2	8800	
					3	38600	
				Average Concentration for Cross Section 11 :			*18790*

Average Concentration for Windrow on Day 9 : 11935

Standard Deviation: 10939

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M123 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	11/10/99	11/19/99	9	03	1	LT	619
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 03 :			*640*
TETRYL	11/10/99	11/19/99	9	05	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 05 :			*650*
TETRYL	11/10/99	11/19/99	9	07	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 07 :			*650*
TETRYL	11/10/99	11/19/99	9	09	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 09 :			*650*
TETRYL	11/10/99	11/19/99	9	11	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 11 :			*650*

Average Concentration for Windrow on Day 9 : 648

Standard Deviation: 8

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-124 Day 0: 11/16/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5780	12.1	2490	5.275	11605	20.475	19875
2	3.1	5760	12.1	2430	5.275	11605	20.475	19795
3	3	5700	12.1	2440	5.275	11605	20.375	19745
4	3.1	5830	12.15	2530	5.275	11605	20.525	19965
5	3.1	5780	12.1	2470	5.275	11605	20.475	19855
6	3.1	5790	12.1	2420	5.275	11605	20.475	19815
7	3.1	5770	12.1	2450	5.275	11605	20.475	19825
8	3.15	5820	12.1	2420	5.275	11605	20.525	19845
9	3.1	5740	12.1	2460	5.275	11605	20.475	19805
10	3.1	5760	12.1	2440	5.275	11605	20.475	19805
11	3.15	5840	12.1	2470	5.275	11605	20.525	19915
12	3.1	5720	12.1	2410	5.275	11605	20.475	19735
13	3.15	5890	12.1	2460	5.275	11605	20.525	19955
14	3	5700	12.1	2920	5.275	11605	20.375	20225
15	3.1	5770	12	2400	5.275	11605	20.375	19775
16	3.15	5840	12.1	2470	5.275	11605	20.525	19915
17	3.1	5710	12.1	2440	5.275	11605	20.475	19755
18	3.15	5830	12.1	2490	5.275	11605	20.525	19925
19	3.1	5780	12.1	2430	5.275	11605	20.475	19815
20	3.1	5760	12.1	2460	5.275	11605	20.475	19825
21	3.15	5820	12	2400	5.275	11605	20.425	19825
22	3.1	5790	12.15	2530	5.275	11605	20.525	19925
23	3	5710	12.1	2470	5.275	11605	20.375	19785
24	3	5680	12	2370	5.275	11605	20.275	19655
25	3.1	5810	12.1	2510	5.275	11605	20.475	19925
26	3	5680	12	2380	5.275	11605	20.275	19665
27	3	5640	12	2440	5.275	11605	20.275	19685
28	3	5730	12.1	2500	5.275	11605	20.375	19835
29	3.1	5800	12	2470	5.275	11605	20.375	19875
30	3	5670	12.1	2590	5.275	11605	20.375	19865
31	3.4	5910	12.1	2540	5.275	11605	20.775	20055
32	3	5750	12.3	2670	5.275	11605	20.575	20025
33	3.4	6000	12	2300	5.275	11605	20.675	19905
34	3.4	6000	11.9	2300	5.275	11605	20.575	19905
35	3.15	5830	12.15	2510	5.275	11605	20.575	19945
36	3.1	5770	12.1	2470	5.275	11605	20.475	19845
37	3	5700	12.1	2440	5.275	11605	20.375	19745
38	3.1	5760	12	2530	5.275	11605	20.375	19895
39	3.1	5720	12.1	2490	5.275	11605	20.475	19815
40					5.275	11605	5.275	11605
41								
42								
43								
Total	121.15	225340	471.25	96410	211.00	464200	803.4	785950

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M 129 PERFORMED BY: Rudy

DATE: 11/15/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5720 Pounds
Straw 12 CY 2400 Pounds
Soil 5.3 CY 1660 Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Poultry Produce		STRAW Supplier: Ray Stout		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5680	12	2370				
2	3.10	5910	12.10	2510				
3	3	5680	12.00	2580				
4	3	5640	12	2470				
5	3	5780	12.10	2500				
6	3.10	5800	12	2470				
7	3	5670	12.10	2590				
8	3.40	5910	12.10	2540				
9	3	5750	12.30	2670				
10	3.40	6000	12	2300				
11	3.40	6000	12.10	2300				
12	3.15	5830	12.15	2510				
13	3.10	5770	12.10	2470				
14	3	5700	12.10	2470				
15	3.10	5760	12.15	2530				
16	3.10	5720	12.10	2490				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 124 PERFORMED BY: Hound

DATE: 1/11/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier: Pat's		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2490				
2	3.10	5750	12.10	2420				
3	3	5700	12.10	2440				
4	3.10	5830	12.15	2530				
5	3.10	5700	12.10	2470				
6	3.10	5790	12.10	2420				
7	3.10	5770	12.10	2450				
8	3.15	5820	12.10	2420				
9	3.10	5740	12.10	2460				
10	3.10	5760	12.10	2440				
11	3.15	5840	12.10	2470				
12	3.10	5720	12.10	2410				
13	3.15	5890	12.10	2460				
14	3	5700	12.10	2420				
15	3.10	5770	12	2400				
16	3.15	5840	12.10	2470				
17	3.10	5710	12.10	2440				
18	3.15	5830	12.10	2470				
19	3.10	5780	12.10	2430				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 124 PERFORMED BY: Howard

DATE: 11/15/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: Roy Stoot		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5700	12.10	2460				
21	3.15	5820	12.	2400				
22	3.10	5790	12.15	2530				
23	3	5710	12.10	2470				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M124	11/16/99	11/16/99	0		22.63
		11/17/99	1	39.13	36.83
		11/18/99	2	44.50	39.37
		11/19/99	3	52.67	55.37
		11/20/99	4	60.67	58.70
		11/21/99	5	62.00	53.97
		11/22/99	6	65.83	55.27
		11/23/99	7	68.27	59.93
		11/24/99	8	63.17	55.57
		11/26/99	10	67.97	62.33

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M124	11/16/99	11/16/99	0		6.60
		11/17/99	1	10.10	1.45
		11/18/99	2	14.53	13.40
		11/19/99	3	9.57	10.60
		11/20/99	4	3.30	10.20
		11/21/99	5	14.37	11.33
		11/22/99	6	13.90	15.30
		11/23/99	7	13.37	13.87
		11/24/99	8	13.47	15.20

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M124	11/16/99	11/16/99	0		45.74
		11/17/99	1		53.52
		11/22/99	6	45.16	
		11/24/99	8		51.04

All average MWHC values are expressed in percent

Friday, June 28, 2002

Windrow Number: M124 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
135TNB	11/16/99	11/27/99	11	03	1	LT 227	
					2	LT 217	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*231*
135TNB	11/16/99	11/27/99	11	05	1	LT 217	
					2	LT 217	
					3	LT 227	
				Average Concentration for Cross Section 05 :			*220*
135TNB	11/16/99	11/27/99	11	07	1	LT 227	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 07 :			*238*
135TNB	11/16/99	11/27/99	11	09	1	LT 227	
					2	LT 217	
					3	LT 238	
				Average Concentration for Cross Section 09 :			*227*
135TNB	11/16/99	11/27/99	11	11	1	LT 217	
					2	LT 208	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*225*

Average Concentration for Windrow on Day 11 : ***228***

Standard Deviation: ***14***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M124 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	11/16/99	11/27/99	11	03	1	LT	227
					2	LT	217
					3	LT	250
				Average Concentration for Cross Section 03 :			*231*
13DNB	11/16/99	11/27/99	11	05	1	LT	217
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 05 :			*220*
13DNB	11/16/99	11/27/99	11	07	1	LT	227
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
13DNB	11/16/99	11/27/99	11	09	1	LT	227
					2	LT	217
					3	LT	238
				Average Concentration for Cross Section 09 :			*227*
13DNB	11/16/99	11/27/99	11	11	1	LT	217
					2	LT	208
					3	LT	250
				Average Concentration for Cross Section 11 :			*225*

Average Concentration for Windrow on Day 11 : 228

Standard Deviation: 14

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M124 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	11/16/99	11/27/99	11	03	1	LT 227	
					2	762	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*413*
246TNT	11/16/99	11/27/99	11	05	1	LT 217	
					2	LT 217	
					3	LT 227	
				Average Concentration for Cross Section 05 :			*220*
246TNT	11/16/99	11/27/99	11	07	1	LT 227	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 07 :			*238*
246TNT	11/16/99	11/27/99	11	09	1	LT 227	
					2	LT 217	
					3	LT 238	
				Average Concentration for Cross Section 09 :			*227*
246TNT	11/16/99	11/27/99	11	11	1	216 J	
					2	1570	
					3	217 J	
				Average Concentration for Cross Section 11 :			*668*

Average Concentration for Windrow on Day 11 : ***353***

Standard Deviation: ***364***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M124 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	11/16/99	11/27/99	11	03	1	LT	227
					2	LT	217
					3	LT	250
				Average Concentration for Cross Section 03 :			*231*
24DNT	11/16/99	11/27/99	11	05	1	LT	217
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 05 :			*220*
24DNT	11/16/99	11/27/99	11	07	1	LT	227
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
24DNT	11/16/99	11/27/99	11	09	1	LT	227
					2	LT	217
					3	LT	238
				Average Concentration for Cross Section 09 :			*227*
24DNT	11/16/99	11/27/99	11	11	1	LT	217
					2	LT	208
					3	LT	250
				Average Concentration for Cross Section 11 :			*225*

Average Concentration for Windrow on Day 11 : 228

Standard Deviation: 14

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M124 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	11/16/99	11/27/99	11	03	1	LT	236	
					2	LT	226	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*241*
26DNT	11/16/99	11/27/99	11	05	1	LT	226	
					2	LT	226	
					3	LT	236	
				Average Concentration for Cross Section 05 :				*229*
26DNT	11/16/99	11/27/99	11	07	1	LT	236	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 07 :				*248*
26DNT	11/16/99	11/27/99	11	09	1	LT	236	
					2	LT	226	
					3	LT	248	
				Average Concentration for Cross Section 09 :				*237*
26DNT	11/16/99	11/27/99	11	11	1	LT	226	
					2	LT	217	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*234*

Average Concentration for Windrow on Day 11 : 238

Standard Deviation: 14

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M124 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	11/16/99	11/27/99	11	03	1	LT	227	
					2		247	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*241*
2A46DT	11/16/99	11/27/99	11	05	1	LT	217	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*220*
2A46DT	11/16/99	11/27/99	11	07	1	LT	227	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*238*
2A46DT	11/16/99	11/27/99	11	09	1	LT	227	
					2	LT	217	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*227*
2A46DT	11/16/99	11/27/99	11	11	1	LT	217	
					2	LT	208	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*225*

Average Concentration for Windrow on Day 11 : 230

Standard Deviation: 14

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M124 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	11/16/99	11/27/99	11	03	1	LT	227	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*231*
2NT	11/16/99	11/27/99	11	05	1	LT	217	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*220*
2NT	11/16/99	11/27/99	11	07	1	LT	227	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*238*
2NT	11/16/99	11/27/99	11	09	1	LT	227	
					2	LT	217	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*227*
2NT	11/16/99	11/27/99	11	11	1	LT	217	
					2	LT	208	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*225*

Average Concentration for Windrow on Day 11 : ***228***

Standard Deviation: ***14***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M124 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	11/16/99	11/27/99	11	03	1	LT 227	
					2	LT 217	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*231*
3NT	11/16/99	11/27/99	11	05	1	LT 217	
					2	LT 217	
					3	LT 227	
				Average Concentration for Cross Section 05 :			*220*
3NT	11/16/99	11/27/99	11	07	1	LT 227	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 07 :			*238*
3NT	11/16/99	11/27/99	11	09	1	LT 227	
					2	LT 217	
					3	LT 238	
				Average Concentration for Cross Section 09 :			*227*
3NT	11/16/99	11/27/99	11	11	1	LT 217	
					2	LT 208	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*225*

Average Concentration for Windrow on Day 11 : 228

Standard Deviation: 14

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M124 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	11/16/99	11/27/99	11	03	1	LT 227	
					2	348	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*275*
4A26DT	11/16/99	11/27/99	11	05	1	LT 217	
					2	339	
					3	134 J	
				Average Concentration for Cross Section 05 :			*230*
4A26DT	11/16/99	11/27/99	11	07	1	LT 227	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 07 :			*238*
4A26DT	11/16/99	11/27/99	11	09	1	LT 227	
					2	LT 217	
					3	LT 238	
				Average Concentration for Cross Section 09 :			*227*
4A26DT	11/16/99	11/27/99	11	11	1	LT 217	
					2	LT 208	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*225*

Average Concentration for Windrow on Day 11 : ***239***

Standard Deviation: ***51***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M124 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	11/16/99	11/27/99	11	03	1	LT	227	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*231*
4NT	11/16/99	11/27/99	11	05	1	LT	217	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*220*
4NT	11/16/99	11/27/99	11	07	1	LT	227	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*238*
4NT	11/16/99	11/27/99	11	09	1	LT	227	
					2	LT	217	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*227*
4NT	11/16/99	11/27/99	11	11	1	LT	217	
					2	LT	208	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*225*

Average Concentration for Windrow on Day 11 : 228

Standard Deviation: 14

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M124 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	11/16/99	11/27/99	11	03	1	LT	2000	
					2	LT	1910	
					3	LT	2200	
				Average Concentration for Cross Section 03 :				*2037*
HMX	11/16/99	11/27/99	11	05	1	LT	1910	
					2	LT	1910	
					3	LT	2000	
				Average Concentration for Cross Section 05 :				*1940*
HMX	11/16/99	11/27/99	11	07	1	LT	2000	
					2	LT	2200	
					3	LT	2100	
				Average Concentration for Cross Section 07 :				*2100*
HMX	11/16/99	11/27/99	11	09	1	LT	2000	
					2	LT	1910	
					3	LT	2100	
				Average Concentration for Cross Section 09 :				*2003*
HMX	11/16/99	11/27/99	11	11	1	LT	1910	
					2	LT	1830	
					3	LT	2200	
				Average Concentration for Cross Section 11 :				*1980*

Average Concentration for Windrow on Day 11 : 2012

Standard Deviation: 122

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M124 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	11/16/99	11/27/99	11	03	1	LT	236	
					2	LT	226	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*241*
NB	11/16/99	11/27/99	11	05	1	LT	226	
					2	LT	226	
					3	LT	236	
				Average Concentration for Cross Section 05 :				*229*
NB	11/16/99	11/27/99	11	07	1	LT	236	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 07 :				*248*
NB	11/16/99	11/27/99	11	09	1	LT	236	
					2	LT	226	
					3	LT	248	
				Average Concentration for Cross Section 09 :				*237*
NB	11/16/99	11/27/99	11	11	1	LT	226	
					2	LT	217	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*234*

Average Concentration for Windrow on Day 11 : 238

Standard Deviation: 14

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M124 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
RDX	11/16/99	11/27/99	11	03	1		3090	
					2		2160	
					3	LT	1000	
				Average Concentration for Cross Section 03 :				*2083*
RDX	11/16/99	11/27/99	11	05	1		986	
					2	LT	870	
					3		1220	
				Average Concentration for Cross Section 05 :				*1025*
RDX	11/16/99	11/27/99	11	07	1	LT	909	
					2	LT	1000	
					3	LT	952	
				Average Concentration for Cross Section 07 :				*954*
RDX	11/16/99	11/27/99	11	09	1	LT	909	
					2		5750	
					3	LT	952	
				Average Concentration for Cross Section 09 :				*2537*
RDX	11/16/99	11/27/99	11	11	1		5460	
					2		5300	
					3		3090	
				Average Concentration for Cross Section 11 :				*4617*

Average Concentration for Windrow on Day 11 : ***2243***

Standard Deviation: ***1850***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M124 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	11/16/99	11/27/99	11	03	1	LT 591	
					2	LT 565	
					3	LT 650	
				Average Concentration for Cross Section 03 :			*602*
TETRYL	11/16/99	11/27/99	11	05	1	LT 565	
					2	LT 565	
					3	LT 591	
				Average Concentration for Cross Section 05 :			*574*
TETRYL	11/16/99	11/27/99	11	07	1	LT 591	
					2	LT 650	
					3	LT 619	
				Average Concentration for Cross Section 07 :			*620*
TETRYL	11/16/99	11/27/99	11	09	1	LT 591	
					2	LT 565	
					3	LT 619	
				Average Concentration for Cross Section 09 :			*592*
TETRYL	11/16/99	11/27/99	11	11	1	LT 565	
					2	LT 542	
					3	LT 650	
				Average Concentration for Cross Section 11 :			*586*

Average Concentration for Windrow on Day 11 : 595

Standard Deviation: 35

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-125 Day 0: 11/23/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2430	5.275	11605	20.475	19785
2	3.1	5710	12.1	2470	5.275	11605	20.475	19785
3	3.15	5840	12.1	2490	5.275	11605	20.525	19935
4	3.1	5780	11.75	2350	5.275	11605	20.125	19735
5	3.1	5790	12.15	2560	5.275	11605	20.525	19955
6	3.15	5820	12.1	2490	5.275	11605	20.525	19915
7	3.15	5850	12.15	2540	5.275	11605	20.575	19995
8	3.15	5810	12.1	2420	5.275	11605	20.525	19835
9	3.1	5740	12	2400	5.275	11605	20.375	19745
10	3.1	5770	12.1	2470	5.275	11605	20.475	19845
11	3.1	5720	12.1	2440	5.275	11605	20.475	19765
12	3.15	5860	12.1	2480	5.275	11605	20.525	19945
13	3.1	5740	12.1	2450	5.275	11605	20.475	19795
14	3	5700	12.1	2410	5.275	11605	20.375	19715
15	3.1	5810	12.15	2580	5.275	11605	20.525	19995
16	3.1	5720	12	2400	5.275	11605	20.375	19725
17	3.15	5860	12.1	2470	5.275	11605	20.525	19935
18	3.1	5720	12	2400	5.275	11605	20.375	19725
19	3.15	5840	12.1	2490	5.275	11605	20.525	19935
20	3.1	5760	12.1	2490	5.275	11605	20.475	19855
21	3.1	5720	12.1	2460	5.275	11605	20.475	19785
22	3.1	5790	12.15	2540	5.275	11605	20.525	19935
23	3.1	5710	12.1	2430	5.275	11605	20.475	19745
24	3.1	5760	12.1	2450	5.275	11605	20.475	19815
25	3.15	5800	12.1	2400	5.275	11605	20.525	19805
26	3.1	5710	12.1	2430	5.275	11605	20.475	19745
27	3.15	5830	12.15	2530	5.275	11605	20.575	19965
28	3.15	6000	13	2600	5.275	11605	21.425	20205
29	3.15	6000	12	2400	5.275	11605	20.425	20005
30	3.4	6500	14	2800	5.275	11605	22.675	20905
31	3.1	5900	12.5	2500	5.275	11605	20.875	20005
32	3.1	5900	13	2600	5.275	11605	21.375	20105
33	3.15	6000	13	2600	5.275	11605	21.425	20205
34	3.3	6300	13.5	2700	5.275	11605	22.075	20605
35	3.4	6500	13.5	2700	5.275	11605	22.175	20805
36	3	5700	13.5	2700	5.275	11605	21.775	20005
37	3	5700	12	2400	5.275	11605	20.275	19705
38	3	5700	12.2	2600	5.275	11605	20.475	19905
39	3	5700	13.5	2700	5.275	11605	21.775	20005
40	3.25	6200	13	2300	5.275	11605	21.525	20105
41								
42								
43								
Total	125.05	234010	495	100070	211.00	464200	831.05	798280

RECORD OF RECIPE (MIX NO. 7B)

Building #5 Windrow #5 125 PERFORMED BY: Terry

DATE: 11/22/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Produce		STRAW Supplier: RAY STOUT		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	6000	13.00	2600				
2	3.15	6000	12.00	2400				
3	3.40	6500	14.00	2800				
4	3.10	5900	12.50	2500				
5	3.10	5900	13.00	2600				
6	3.15	6000	13.00	2600				
7	3.30	6300	13.5	2700				
8	3.40	6500	13.5	2700				
9	3	5700	13.5	2700				
10	3	5700	12	2400				
11	3	5700	12.20	2600				
12	3	5700	13.5	2700				
13	3.25	6200	13.	2600				
~~14~~								
~~15~~								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 125 PERFORMED BY: Howard

DATE: 11 12 + 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		Day 15 STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2430				
2	3.10	5710	12.10	2470				
3	3.15	5840	12.10	2490				
4	3.10	5780	11.75	2350				
5	3.10	5790	12.15	2560				
6	3.15	5820	12.10	2490				
7	3.15	5850	12.15	2540				
8	3.15	5810	12.10	2420				
9	3.10	5740	12	2400				
10	3.10	5770	12.10	2470				
11	3.10	5720	12.10	2440				
12	3.15	5860	12.10	2480				
13	3.10	5740	12.10	2450				
14	3	5700	12.10	2410				
15	3.10	5810	12.15	2580				
16	3.10	5720	12	2400				
17	3.15	5860	12.10	2470				
18	3.10	5720	12	2400				
19	3.15	5840	12.10	2490				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 125 PERFORMED BY: [illegible]

DATE: 11/23/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 24 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5760	12.10	2490				
21	3.10	5720	12.10	2460				
22	3.10	5790	12.15	2510				
23	3.10	5710	12.10	2430				
24	3.10	5760	12.10	2450				
25	3.15	5800	12	2400				
26	3.10	5710	12.10	2430				
27	3.15	5830	12.15	2530				
28								
29								
30								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S125	11/23/99	11/23/99	0		26.07
		11/24/99	1	62.83	51.43
		11/26/99	3	58.40	52.97
		11/27/99	4	61.07	56.63
		11/28/99	5	58.77	54.53
		11/29/99	6	58.17	50.17
		11/30/99	7	60.27	57.77
		12/1/99	8	23.87	55.77

All average temperatures are in degrees centigrade

Wednesday, July 03, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S125	11/23/99	11/23/99	0		16.93
		11/24/99	1	7.80	10.67
		11/27/99	4	11.33	11.20
		11/28/99	5	9.57	9.67
		11/30/99	7	9.87	11.40
		12/1/99	8	9.80	8.90

All average Oxygen values are expressed as a percent

Wednesday, July 03, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S125	11/23/99	11/23/99	0		49.60
		11/24/99	1		56.00
		11/26/99	3		49.70
		11/30/99	7		43.34

All average MWHC values are expressed in percent

Windrow Number: S125 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	11/23/99	12/02/99	9	03	1	LT 217	
					2	LT 227	
					3	LT 217	
				Average Concentration for Cross Section 03 :			*220*
135TNB	11/23/99	12/02/99	9	05	1	LT 217	
					2	LT 208	
					3	LT 217	
				Average Concentration for Cross Section 05 :			*214*
135TNB	11/23/99	12/02/99	9	07	1	LT 200	
					2	LT 208	
					3	LT 238	
				Average Concentration for Cross Section 07 :			*215*
135TNB	11/23/99	12/02/99	9	09	1	LT 208	
					2	LT 227	
					3	LT 238	
				Average Concentration for Cross Section 09 :			*224*
135TNB	11/23/99	12/02/99	9	11	1	LT 250	
					2	LT 227	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 9 : ***223***

Standard Deviation: ***15***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S125 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	11/23/99	12/02/99	9	03	1	LT	217
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 03 :			*220*
13DNB	11/23/99	12/02/99	9	05	1	LT	217
					2	LT	208
					3	LT	217
				Average Concentration for Cross Section 05 :			*214*
13DNB	11/23/99	12/02/99	9	07	1	LT	200
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 07 :			*215*
13DNB	11/23/99	12/02/99	9	09	1	LT	208
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 09 :			*224*
13DNB	11/23/99	12/02/99	9	11	1	LT	250
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 9 : ***223***

Standard Deviation: ***15***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S125 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
246TNT	11/23/99	12/02/99	9	03	1		230	
					2		1000	
					3		3570	
				Average Concentration for Cross Section 03 :				*1600*
246TNT	11/23/99	12/02/99	9	05	1		325	
					2		406	
					3		658	
				Average Concentration for Cross Section 05 :				*463*
246TNT	11/23/99	12/02/99	9	07	1	LT	200	
					2		361	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*266*
246TNT	11/23/99	12/02/99	9	09	1	LT	208	
					2		582	
					3		1150	
				Average Concentration for Cross Section 09 :				*647*
246TNT	11/23/99	12/02/99	9	11	1		409	
					2		271	
					3		127 J	
				Average Concentration for Cross Section 11 :				*269*

Average Concentration for Windrow on Day 9 : ***649***

Standard Deviation: ***861***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S125 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	11/23/99	12/02/99	9	03	1	LT	217	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*220*
24DNT	11/23/99	12/02/99	9	05	1	LT	217	
					2	LT	208	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*214*
24DNT	11/23/99	12/02/99	9	07	1	LT	200	
					2	LT	208	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*215*
24DNT	11/23/99	12/02/99	9	09	1	LT	208	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*224*
24DNT	11/23/99	12/02/99	9	11	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 9 : 223

Standard Deviation: 15

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S125 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	11/23/99	12/02/99	9	03	1	LT	226
					2	LT	236
					3	LT	226
				Average Concentration for Cross Section 03 :			*229*
26DNT	11/23/99	12/02/99	9	05	1	LT	226
					2	LT	217
					3	LT	226
				Average Concentration for Cross Section 05 :			*223*
26DNT	11/23/99	12/02/99	9	07	1	LT	208
					2	LT	217
					3	LT	248
				Average Concentration for Cross Section 07 :			*224*
26DNT	11/23/99	12/02/99	9	09	1	LT	217
					2	LT	236
					3	LT	248
				Average Concentration for Cross Section 09 :			*234*
26DNT	11/23/99	12/02/99	9	11	1	LT	260
					2	LT	236
					3	LT	260
				Average Concentration for Cross Section 11 :			*252*

Average Concentration for Windrow on Day 9 : ***232***

Standard Deviation: ***16***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S125 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	11/23/99	12/02/99	9	03	1	LT	217	
					2	LT	227	
					3		322	
				Average Concentration for Cross Section 03 :				*255*
2A46DT	11/23/99	12/02/99	9	05	1	LT	217	
					2	LT	208	
					3		325	
				Average Concentration for Cross Section 05 :				*250*
2A46DT	11/23/99	12/02/99	9	07	1	LT	200	
					2	LT	208	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*215*
2A46DT	11/23/99	12/02/99	9	09	1		176 J	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*214*
2A46DT	11/23/99	12/02/99	9	11	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 9 : 235

Standard Deviation: 41

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S125 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	11/23/99	12/02/99	9	03	1	LT	217	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*220*
2NT	11/23/99	12/02/99	9	05	1	LT	217	
					2	LT	208	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*214*
2NT	11/23/99	12/02/99	9	07	1	LT	200	
					2	LT	208	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*215*
2NT	11/23/99	12/02/99	9	09	1	LT	208	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*224*
2NT	11/23/99	12/02/99	9	11	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 9 : 223

Standard Deviation: 15

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S125 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	11/23/99	12/02/99	9	03	1	LT	217	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*220*
3NT	11/23/99	12/02/99	9	05	1	LT	217	
					2	LT	208	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*214*
3NT	11/23/99	12/02/99	9	07	1	LT	200	
					2	LT	208	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*215*
3NT	11/23/99	12/02/99	9	09	1	LT	208	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*224*
3NT	11/23/99	12/02/99	9	11	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 9 : ***223***

Standard Deviation: ***15***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S125 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	11/23/99	12/02/99	9	03	1	LT	217	
					2		933	
					3		956	
				Average Concentration for Cross Section 03 :				*702*
4A26DT	11/23/99	12/02/99	9	05	1		200 J	
					2	LT	208	
					3		790	
				Average Concentration for Cross Section 05 :				*399*
4A26DT	11/23/99	12/02/99	9	07	1	LT	200	
					2		619	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*352*
4A26DT	11/23/99	12/02/99	9	09	1		180 J	
					2	LT	227	
					3		296	
				Average Concentration for Cross Section 09 :				*234*
4A26DT	11/23/99	12/02/99	9	11	1	LT	250	
					2		789	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*430*

Average Concentration for Windrow on Day 9 : 424

Standard Deviation: 298

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S125 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	11/23/99	12/02/99	9	03	1	LT	217
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 03 :			*220*
4NT	11/23/99	12/02/99	9	05	1	LT	217
					2	LT	208
					3	LT	217
				Average Concentration for Cross Section 05 :			*214*
4NT	11/23/99	12/02/99	9	07	1	LT	200
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 07 :			*215*
4NT	11/23/99	12/02/99	9	09	1	LT	208
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 09 :			*224*
4NT	11/23/99	12/02/99	9	11	1	LT	250
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 9 : ***223***

Standard Deviation: *15*

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S125 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	11/23/99	12/02/99	9	03	1	LT	1910	
					2		3150	
					3		5120	
				Average Concentration for Cross Section 03 :				*3393*
HMX	11/23/99	12/02/99	9	05	1		1920	
					2	LT	1830	
					3		2350	
				Average Concentration for Cross Section 05 :				*2033*
HMX	11/23/99	12/02/99	9	07	1	LT	1760	
					2		2580	
					3	LT	2100	
				Average Concentration for Cross Section 07 :				*2147*
HMX	11/23/99	12/02/99	9	09	1	LT	1830	
					2	LT	2000	
					3	LT	2100	
				Average Concentration for Cross Section 09 :				*1977*
HMX	11/23/99	12/02/99	9	11	1	LT	2200	
					2		1300 J	
					3		6090	
				Average Concentration for Cross Section 11 :				*3197*

Average Concentration for Windrow on Day 9 : ***2549***

Standard Deviation: ***1320***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S125 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	11/23/99	12/02/99	9	03	1	LT	226	
					2	LT	236	
					3	LT	226	
				Average Concentration for Cross Section 03 :				*229*
NB	11/23/99	12/02/99	9	05	1	LT	226	
					2	LT	217	
					3	LT	226	
				Average Concentration for Cross Section 05 :				*223*
NB	11/23/99	12/02/99	9	07	1	LT	208	
					2	LT	217	
					3	LT	248	
				Average Concentration for Cross Section 07 :				*224*
NB	11/23/99	12/02/99	9	09	1	LT	217	
					2	LT	236	
					3	LT	248	
				Average Concentration for Cross Section 09 :				*234*
NB	11/23/99	12/02/99	9	11	1	LT	260	
					2	LT	236	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*252*

Average Concentration for Windrow on Day 9 : 232

Standard Deviation: 16

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S125 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	11/23/99	12/02/99	9	03	1		1210	
					2		11600	
					3		22500	
					Average Concentration for Cross Section 03 :			*11770*
RDX	11/23/99	12/02/99	9	05	1		5720	
					2	LT	833	
					3		8510	
					Average Concentration for Cross Section 05 :			*5021*
RDX	11/23/99	12/02/99	9	07	1		1340	
					2		10800	
					3	LT	952	
					Average Concentration for Cross Section 07 :			*4364*
RDX	11/23/99	12/02/99	9	09	1		869	
					2		5060	
					3		3130	
					Average Concentration for Cross Section 09 :			*3020*
RDX	11/23/99	12/02/99	9	11	1	LT	1000	
					2		3740	
					3		9600	
					Average Concentration for Cross Section 11 :			*4780*

Average Concentration for Windrow on Day 9 : ***5791***

Standard Deviation: ***6022***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S125 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	11/23/99	12/02/99	9	03	1	LT	565	
					2	LT	591	
					3	LT	565	
				Average Concentration for Cross Section 03 :				*574*
TETRYL	11/23/99	12/02/99	9	05	1	LT	565	
					2	LT	542	
					3	LT	565	
				Average Concentration for Cross Section 05 :				*557*
TETRYL	11/23/99	12/02/99	9	07	1	LT	520	
					2	LT	542	
					3	LT	619	
				Average Concentration for Cross Section 07 :				*560*
TETRYL	11/23/99	12/02/99	9	09	1	LT	542	
					2	LT	591	
					3	LT	619	
				Average Concentration for Cross Section 09 :				*584*
TETRYL	11/23/99	12/02/99	9	11	1	LT	650	
					2	LT	591	
					3	LT	650	
				Average Concentration for Cross Section 11 :				*630*

Average Concentration for Windrow on Day 9 : 581

Standard Deviation: 40

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-126 Day 0: 11/26/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5720	12.2	2510	5.275	11605	20.575	19835
2	3.15	5830	12.1	2490	5.275	11605	20.525	19925
3	3.1	5740	12.1	2450	5.275	11605	20.475	19795
4	3.15	5350	12.1	2470	5.275	11605	20.525	19425
5	3.1	5710	12.1	2450	5.275	11605	20.475	19765
6	3.15	5820	12.1	2440	5.275	11605	20.525	19865
7	3.1	5750	12.1	2460	5.275	11605	20.475	19815
8	3.15	5870	12.15	2570	5.275	11605	20.575	20045
9	3.1	5710	12	2400	5.275	11605	20.375	19775
10	3.15	5820	12.2	2670	5.275	11605	20.625	19865
11	3	5700	12.1	2440	5.275	11605	20.375	19825
12	3.1	5790	12.15	2520	5.275	11605	20.525	19845
13	3.15	5840	12.1	2450	5.275	11605	20.525	19925
14	3	5700	12.1	2470	5.275	11605	20.375	19845
15	3.1	5710	12.1	2420	5.275	11605	20.475	19715
16	3.1	5740	12.1	2480	5.275	11605	20.475	19805
17	3.1	5780	12.15	2540	5.275	11605	20.525	19925
18	3.1	5730	12	2400	5.275	11605	20.375	19735
19	3.15	5860	12.1	2460	5.275	11605	20.525	19925
20	3.1	5770	12.15	2520	5.275	11605	20.525	19895
21	3	5700	12.1	2450	5.275	11605	20.375	19755
22	3.15	5790	12.2	2570	5.275	11605	20.625	19965
23	3	5680	12	2490	5.275	11605	20.275	19775
24	3	5770	12.2	2540	5.275	11605	20.475	19915
25	3	5690	12.1	2980	5.275	11605	20.375	20275
26	3	5790	12.5	2770	5.275	11605	20.775	20165
27	3	5650	12.2	2540	5.275	11605	20.475	19795
28	3.2	5810	12.1	2490	5.275	11605	20.575	19905
29	3.25	5850	12.2	2500	5.275	11605	20.725	19955
30	3	5750	12.1	2490	5.275	11605	20.375	19845
31	3	5690	12.5	2600	5.275	11605	20.775	19895
32	3.2	5810	12.5	2720	5.275	11605	20.975	20135
33	3.1	5740	12.5	2670	5.275	11605	20.875	20015
34	3	5670	12.25	2580	5.275	11605	20.525	19855
35	3	5730	12	2420	5.275	11605	20.275	19755
36	3.2	5800	12.2	2540	5.275	11605	20.675	19945
37	3	5710	12.1	2470	5.275	11605	20.375	19785
38	3	5760	12.1	2480	5.275	11605	20.375	19845
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	117.25	218330	462.05	95910	211.00	464200	790.3	778340

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M 126 PERFORMED BY: _____

DATE: 11 12 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier Walsh Produce		STRAW Supplier Perry Stout		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5790	12.20	2570				
2	3	5680	12.40	2490				
3	3	5770	12.20	2540				
4	3	5690	12.70	2980				
5	3	5790	12.50	2770				
6	3	5650	12.20	2540				
7	3.20	5810	12.10	2490				
8	3.25	5850	12.20	2500				
9	3	5750	12.10	2490				
10	3	5690	12.50	2600				
11	3.20	5810	12.50	2720				
12	3.10	5740	12.50	2670				
13	3	5670	12.25	2580				
14	3	5730	12	2420				
15	3.20	5800	12.20	2540				
16	3	5710	12.10	2470				
17	3	5760	12.10	2480				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 126 PERFORMED BY: Howard

DATE: 11 12-1999 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5770	12.15	2520				
21	3	5700	12.10	2480				
22								
23								
24								
25								
Total								

Comments:

234

RECORD OF RECIPE (MIX NO. 7B)

Building # 51 Windrow # 126 PERFORMED BY: Howard

DATE: 11/26/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5800 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Walter C. Dale P.W. Cum		STRAW Supplier: Ryan Stout		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5720	12.20	2510				
2	3.15	5830	12.10	2490				
3	3.10	5740	12.10	2450				
4	3.15	5850	12.10	2470				
5	3.10	5710	12.10	2480				
6	3.15	5870	12.10	2440				
7	3.10	5750	12.10	2460				
8	3.15	5870	12.15	2570				
9	3.10	5740	12	2400				
10	3.15	5820	12.20	2670				
11	3	5700	12.10	2440				
12	3.10	5790	12.15	2520				
13	3.15	5840	12.10	2450				
14	3	5800	12.10	2470				
15	3.10	5710	12.10	2420				
16	3.10	5740	12.10	2480				
17	3.10	5780	12.15	2540				
18	3.10	5730	12	2400				
19	3.15	5860	12.10	2460				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M126	11/26/99	11/26/99	0		30.30
		11/27/99	1	47.27	34.53
		11/28/99	2	50.90	44.40
		11/29/99	3	57.30	53.17
		11/30/99	4	59.43	52.33
		12/1/99	5	23.83	53.37
		12/2/99	6	64.07	59.57

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M126	11/26/99	11/27/99	1	7.70	10.50
		11/28/99	2	7.17	10.53
		11/30/99	4	9.63	10.87
		12/1/99	5	11.00	9.90
		12/2/99	6	5.77	5.80

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M126	11/26/99	11/26/99	0		41.90
		11/27/99	1		48.14
		11/29/99	3		48.66
		12/1/99	5		54.00

All average MWHC values are expressed in percent

Windrow Number: M126 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	11/26/99	12/03/99	7	03	1	LT 250	
					2	LT 238	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*246*
135TNB	11/26/99	12/03/99	7	05	1	LT 227	
					2	LT 227	
					3	LT 238	
				Average Concentration for Cross Section 05 :			*231*
135TNB	11/26/99	12/03/99	7	07	1	LT 250	
					2	LT 217	
					3	LT 227	
				Average Concentration for Cross Section 07 :			*231*
135TNB	11/26/99	12/03/99	7	09	1	LT 238	
					2	LT 217	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*235*
135TNB	11/26/99	12/03/99	7	11	1	LT 217	
					2	LT 217	
					3	LT 181	
				Average Concentration for Cross Section 11 :			*205*

Average Concentration for Windrow on Day 7 : ***230***

Standard Deviation: ***19***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M126 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	11/26/99	12/03/99	7	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
13DNB	11/26/99	12/03/99	7	05	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*231*
13DNB	11/26/99	12/03/99	7	07	1	LT	250	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*231*
13DNB	11/26/99	12/03/99	7	09	1	LT	238	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*235*
13DNB	11/26/99	12/03/99	7	11	1	LT	217	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*228*

Average Concentration for Windrow on Day 7 : 234

Standard Deviation: 14

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M126 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
246TNT	11/26/99	12/03/99	7	03	1		6960	
					2		2260	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*3157*
246TNT	11/26/99	12/03/99	7	05	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*231*
246TNT	11/26/99	12/03/99	7	07	1		17900	
					2	LT	217	
					3		551	
				Average Concentration for Cross Section 07 :				*6223*
246TNT	11/26/99	12/03/99	7	09	1	LT	238	
					2		487	
					3		691	
				Average Concentration for Cross Section 09 :				*472*
246TNT	11/26/99	12/03/99	7	11	1		67500	
					2		1910	
					3		33300	
				Average Concentration for Cross Section 11 :				*34237*

Average Concentration for Windrow on Day 7 : ***8864***

Standard Deviation: ***18643***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M126 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	11/26/99	12/03/99	7	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
24DNT	11/26/99	12/03/99	7	05	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*231*
24DNT	11/26/99	12/03/99	7	07	1	LT	250	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*231*
24DNT	11/26/99	12/03/99	7	09	1	LT	238	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*235*
24DNT	11/26/99	12/03/99	7	11	1	LT	217	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*228*

Average Concentration for Windrow on Day 7 : 234

Standard Deviation: 14

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M126 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	11/26/99	12/03/99	7	03	1	LT	260	
					2	LT	248	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*256*
26DNT	11/26/99	12/03/99	7	05	1	LT	236	
					2	LT	236	
					3	LT	248	
				Average Concentration for Cross Section 05 :				*240*
26DNT	11/26/99	12/03/99	7	07	1	LT	260	
					2	LT	226	
					3	LT	236	
				Average Concentration for Cross Section 07 :				*241*
26DNT	11/26/99	12/03/99	7	09	1	LT	248	
					2	LT	226	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*245*
26DNT	11/26/99	12/03/99	7	11	1	LT	226	
					2	LT	226	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*237*

Average Concentration for Windrow on Day 7 : ***244***

Standard Deviation: ***14***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M126 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	11/26/99	12/03/99	7	03	1		271	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*253*
2A46DT	11/26/99	12/03/99	7	05	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*231*
2A46DT	11/26/99	12/03/99	7	07	1	LT	349	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*264*
2A46DT	11/26/99	12/03/99	7	09	1	LT	238	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*235*
2A46DT	11/26/99	12/03/99	7	11	1		443	
					2	LT	217	
					3	LT	124	
				Average Concentration for Cross Section 11 :				*261*

Average Concentration for Windrow on Day 7 : 249

Standard Deviation: 70

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M126 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	11/26/99	12/03/99	7	03	1	LT 250	
					2	LT 238	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*246*
2NT	11/26/99	12/03/99	7	05	1	LT 227	
					2	LT 227	
					3	LT 238	
				Average Concentration for Cross Section 05 :			*231*
2NT	11/26/99	12/03/99	7	07	1	LT 250	
					2	LT 217	
					3	LT 227	
				Average Concentration for Cross Section 07 :			*231*
2NT	11/26/99	12/03/99	7	09	1	LT 238	
					2	LT 217	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*235*
2NT	11/26/99	12/03/99	7	11	1	LT 217	
					2	LT 217	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*228*

Average Concentration for Windrow on Day 7 : ***234***

Standard Deviation: ***14***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M126 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	11/26/99	12/03/99	7	03	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
3NT	11/26/99	12/03/99	7	05	1	LT	227
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 05 :			*231*
3NT	11/26/99	12/03/99	7	07	1	LT	250
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 07 :			*231*
3NT	11/26/99	12/03/99	7	09	1	LT	238
					2	LT	217
					3	LT	250
				Average Concentration for Cross Section 09 :			*235*
3NT	11/26/99	12/03/99	7	11	1	LT	217
					2	LT	217
					3	LT	250
				Average Concentration for Cross Section 11 :			*228*

Average Concentration for Windrow on Day 7 : 234

Standard Deviation: 14

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M126 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
4A26DT	11/26/99	12/03/99	7	03	1		430	
					2		119 J	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*266*
4A26DT	11/26/99	12/03/99	7	05	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*231*
4A26DT	11/26/99	12/03/99	7	07	1	LT	401	
					2	LT	217	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*282*
4A26DT	11/26/99	12/03/99	7	09	1	LT	238	
					2		449	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*312*
4A26DT	11/26/99	12/03/99	7	11	1	LT	217	
					2		744	
					3	LT	600	
				Average Concentration for Cross Section 11 :				*520*

Average Concentration for Windrow on Day 7 : ***322***

Standard Deviation: ***170***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M126 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	11/26/99	12/03/99	7	03	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
4NT	11/26/99	12/03/99	7	05	1	LT	227
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 05 :			*231*
4NT	11/26/99	12/03/99	7	07	1	LT	250
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 07 :			*231*
4NT	11/26/99	12/03/99	7	09	1	LT	238
					2	LT	217
					3	LT	250
				Average Concentration for Cross Section 09 :			*235*
4NT	11/26/99	12/03/99	7	11	1	LT	217
					2	LT	217
					3	LT	250
				Average Concentration for Cross Section 11 :			*228*

Average Concentration for Windrow on Day 7 : ***234***

Standard Deviation: ***14***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M126 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
HMX	11/26/99	12/03/99	7	03	1		1170 J	
					2		1760 J	
					3		2390	
				Average Concentration for Cross Section 03 :				*1773*
HMX	11/26/99	12/03/99	7	05	1	LT	2000	
					2	LT	2000	
					3		1500 J	
				Average Concentration for Cross Section 05 :				*1833*
HMX	11/26/99	12/03/99	7	07	1	LT	2000	
					2	LT	1910	
					3		2940	
				Average Concentration for Cross Section 07 :				*2283*
HMX	11/26/99	12/03/99	7	09	1	LT	2100	
					2		3390	
					3	LT	2200	
				Average Concentration for Cross Section 09 :				*2563*
HMX	11/26/99	12/03/99	7	11	1	LT	4190	
					2		3120	
					3	LT	5630	
				Average Concentration for Cross Section 11 :				*4313*

Average Concentration for Windrow on Day 7 : ***2553***

Standard Deviation: *1154*

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M126 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	11/26/99	12/03/99	7	03	1	LT	260	
					2	LT	248	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*256*
NB	11/26/99	12/03/99	7	05	1	LT	236	
					2	LT	236	
					3	LT	248	
				Average Concentration for Cross Section 05 :				*240*
NB	11/26/99	12/03/99	7	07	1	LT	260	
					2	LT	226	
					3	LT	236	
				Average Concentration for Cross Section 07 :				*241*
NB	11/26/99	12/03/99	7	09	1	LT	248	
					2	LT	226	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*245*
NB	11/26/99	12/03/99	7	11	1	LT	226	
					2	LT	226	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*237*

Average Concentration for Windrow on Day 7 : ***244***

Standard Deviation: ***14***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M126 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	11/26/99	12/03/99	7	03	1	2850	
					2	15200	
					3	1900	
				Average Concentration for Cross Section 03 :			*6650*
RDX	11/26/99	12/03/99	7	05	1	LT 909	
					2	LT 909	
					3	5280	
				Average Concentration for Cross Section 05 :			*2366*
RDX	11/26/99	12/03/99	7	07	1	LT 5140	
					2	2920	
					3	5590	
				Average Concentration for Cross Section 07 :			*4550*
RDX	11/26/99	12/03/99	7	09	1	LT 952	
					2	7870	
					3	6080	
				Average Concentration for Cross Section 09 :			*4967*
RDX	11/26/99	12/03/99	7	11	1	9420	
					2	21500	
					3	16800	
				Average Concentration for Cross Section 11 :			*15907*

Average Concentration for Windrow on Day 7 : 6888

Standard Deviation: 6324

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M126 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	11/26/99	12/03/99	7	03	1	LT	650	
					2	LT	619	
					3	LT	650	
				Average Concentration for Cross Section 03 :				*640*
TETRYL	11/26/99	12/03/99	7	05	1	LT	591	
					2	LT	591	
					3	LT	619	
				Average Concentration for Cross Section 05 :				*600*
TETRYL	11/26/99	12/03/99	7	07	1	LT	650	
					2	LT	565	
					3	LT	591	
				Average Concentration for Cross Section 07 :				*602*
TETRYL	11/26/99	12/03/99	7	09	1	LT	619	
					2	LT	565	
					3	LT	650	
				Average Concentration for Cross Section 09 :				*611*
TETRYL	11/26/99	12/03/99	7	11	1	LT	565	
					2	LT	565	
					3	LT	650	
				Average Concentration for Cross Section 11 :				*593*

Average Concentration for Windrow on Day 7 : ***609***

Standard Deviation: *35*

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-127 Day 0: 11/30/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.25	2500	5.275	11605	20.625	19895
2	3	5680	12	2390	5.275	11605	20.275	19675
3	3.2	5960	12.2	2470	5.275	11605	20.675	20035
4	3	5690	12	2410	5.275	11605	20.275	19705
5	3.1	5790	12	2430	5.275	11605	20.375	19825
6	3	5740	12.3	2520	5.275	11605	20.575	19865
7	3.15	5800	12.25	2450	5.275	11605	20.675	19855
8	3.1	5720	12.15	2490	5.275	11605	20.525	19815
9	3.15	5830	12.1	2450	5.275	11605	20.525	19885
10	3.1	5760	12.1	2490	5.275	11605	20.475	19855
11	3.15	5840	12.15	2510	5.275	11605	20.575	19955
12	3.1	5770	12.1	2450	5.275	11605	20.475	19825
13	3	5700	12.1	2410	5.275	11605	20.375	19715
14	3.15	5820	12.1	2450	5.275	11605	20.525	19875
15	3.1	5850	12.1	2420	5.275	11605	20.475	19875
16	3	5690	12.1	2470	5.275	11605	20.375	19765
17	3.15	5890	12.1	2450	5.275	11605	20.525	19945
18	3.1	5730	12	2400	5.275	11605	20.375	19735
19	3	5680	12.2	2490	5.275	11605	20.475	19775
20	3	5710	12.25	2570	5.275	11605	20.525	19885
21	3.4	5800	12	2440	5.275	11605	20.675	19845
22	3	5670	12.2	2515	5.275	11605	20.475	19790
23	3	5680	12.5	2610	5.275	11605	20.775	19895
24	3.4	5840	12	2360	5.275	11605	20.675	19805
25	3.1	5790	12.2	2550	5.275	11605	20.575	19945
26	3	5650	12	2490	5.275	11605	20.275	19745
27	3.4	5830	12.5	2460	5.275	11605	21.175	19895
28	3.4	5810	12.4	2600	5.275	11605	21.075	20015
29	3	5720	12	2390	5.275	11605	20.275	19715
30	3	5680	12	2480	5.275	11605	20.275	19765
31	3.2	5790	12.75	2710	5.275	11605	21.225	20105
32	3	5680	12.5	2670	5.275	11605	20.775	19955
33	3	5730	12.75	2740	5.275	11605	21.025	20075
34	3.4	5820	12.5	2610	5.275	11605	21.175	20035
35	3.4	5870	11.75	2340	5.275	11605	20.425	19815
36	3	5680	12.1	2450	5.275	11605	20.375	19735
37	3.1	5770	12	2380	5.275	11605	20.375	19755
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	115.45	213250	450.7	92015	211.00	464200	777.15	769465

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5/27 PERFORMED BY: Howard

DATE: 11/12/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 3 CY 2400 Pounds
Soil 5.3 CY 11666 Pounds

Batch Number	CHICKEN MANURE Supplier: D.W. Booth Valley Produce		STRAW Supplier: 50% Ray Stot 50% Kornheinth		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.25	2500				
2	3	5680	12	2390				
3	3.20	5960	12.20	2470				
4	3	5690	12	2410				
5	3.1	5790	12	2430				
6	3.	5740	12.3	2520				
7	3.15	5800	12.25	2450				
8	3.10	5720	12.15	2490				
9	3.15	5830	12.10	2450				
10	3.10	5760	12.10	2490				
11	3.15	5840	12.15	2510				
12	3.10	5770	12.10	2450				
13	3	5700	12.10	2410				
14	3.15	5820	12.10	2450				
15	3.1	5850	12.10	2420				
16	3	5690	12.10	2470				
17	3.15	5890	12.10	2450				
18	3.10	5730	12	2400				
19	3.00	5680	12.20	2490				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5/27 PERFORMED BY: Dayhoff

DATE: 11 18 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	~~5710~~ 3	5710	12.25	2570				
2	3.40	5800	12	2440				
3	3	5670	12.20	2545				
4	3	5680	12.50	2610				
5	3.40	5840	12	2360				
6	3.10	5790	12.20	2550				
7	3.00	5650	12.	2490				
8	3.40	5830	12.50	2640				
9	3.40	5810	12.40	2600				
10	3.	5720	12	2390				
11	3	5680	12	2480				
12	3.20	5790	12.75	2710				
13	3	5680	12.50	2670				
14	3	5730	12.75	2740				
15	3.40	5820	12.50	2610				
16	3.40	5870	11.75	2340				
17	3	5680	12.10	2450				
18	3.10	5790	12	2380				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S127	11/30/99	11/30/99	0		39.03
		12/1/99	1	14.43	33.93
		12/2/99	2	47.23	51.57
		12/3/99	3	61.27	60.10
		12/4/99	4	61.03	50.23
		12/5/99	5	54.37	50.33
		12/6/99	6	55.97	51.30

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S127	11/30/99	11/30/99	0		12.10
		12/1/99	1	8.48	7.50
		12/2/99	2	3.90	5.10
		12/3/99	3	6.33	10.60
		12/4/99	4	7.67	5.97
		12/5/99	5	6.86	7.03
		12/6/99	6	6.00	5.23

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S127	11/30/99	11/30/99	0		44.76
		12/1/99	1		56.54
		12/5/99	5		46.68

All average MWHC values are expressed in percent

Windrow Number: S127 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	11/30/99	12/07/99	7	03	1		127 J	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*205*
135TNB	11/30/99	12/07/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
135TNB	11/30/99	12/07/99	7	07	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*246*
135TNB	11/30/99	12/07/99	7	09	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*246*
135TNB	11/30/99	12/07/99	7	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 7 : 236

Standard Deviation: 31

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S127 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	11/30/99	12/07/99	7	03	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*246*
13DNB	11/30/99	12/07/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
13DNB	11/30/99	12/07/99	7	07	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*246*
13DNB	11/30/99	12/07/99	7	09	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*246*
13DNB	11/30/99	12/07/99	7	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 7 : ***244***

Standard Deviation: ***6***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S127 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	11/30/99	12/07/99	7	03	1		8310	
					2		1300	
					3		971	
					Average Concentration for Cross Section 03 :			*3527*
246TNT	11/30/99	12/07/99	7	05	1		1310	
					2		1180	
					3		741	
					Average Concentration for Cross Section 05 :			*1077*
246TNT	11/30/99	12/07/99	7	07	1	LT	250	
					2		1700	
					3		1120	
					Average Concentration for Cross Section 07 :			*1023*
246TNT	11/30/99	12/07/99	7	09	1		972	
					2	LT	250	
					3		751	
					Average Concentration for Cross Section 09 :			*658*
246TNT	11/30/99	12/07/99	7	11	1	LT	238	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 7 : 1305

Standard Deviation: 1996

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S127 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	11/30/99	12/07/99	7	03	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*246*
24DNT	11/30/99	12/07/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
24DNT	11/30/99	12/07/99	7	07	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*246*
24DNT	11/30/99	12/07/99	7	09	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*246*
24DNT	11/30/99	12/07/99	7	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 7 : 244

Standard Deviation: 6

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S127 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	11/30/99	12/07/99	7	03	1	LT	260	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 03 :				*256*
26DNT	11/30/99	12/07/99	7	05	1	LT	248	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 05 :				*256*
26DNT	11/30/99	12/07/99	7	07	1	LT	260	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 07 :				*256*
26DNT	11/30/99	12/07/99	7	09	1	LT	248	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*256*
26DNT	11/30/99	12/07/99	7	11	1	LT	248	
					2	LT	248	
					3	LT	248	
				Average Concentration for Cross Section 11 :				*248*

Average Concentration for Windrow on Day 7 : 254

Standard Deviation: 6

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S127 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	11/30/99	12/07/99	7	03	1		277	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*255*
2A46DT	11/30/99	12/07/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
2A46DT	11/30/99	12/07/99	7	07	1	LT	250	
					2		302	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*263*
2A46DT	11/30/99	12/07/99	7	09	1		224 J	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*241*
2A46DT	11/30/99	12/07/99	7	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 7 : 249

Standard Deviation: 19

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S127 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	11/30/99	12/07/99	7	03	1	LT 250	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 03 :			*246*
2NT	11/30/99	12/07/99	7	05	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*246*
2NT	11/30/99	12/07/99	7	07	1	LT 250	
					2	LT 250	
					3	LT. 238	
				Average Concentration for Cross Section 07 :			*246*
2NT	11/30/99	12/07/99	7	09	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*246*
2NT	11/30/99	12/07/99	7	11	1	LT 238	
					2	LT 238	
					3	LT 238	
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 7 : ***244***

Standard Deviation: ***6***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S127 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	11/30/99	12/07/99	7	03	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*246*
3NT	11/30/99	12/07/99	7	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
3NT	11/30/99	12/07/99	7	07	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*246*
3NT	11/30/99	12/07/99	7	09	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*246*
3NT	11/30/99	12/07/99	7	11	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 7 : ***244***

Standard Deviation: ***6***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S127 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	11/30/99	12/07/99	7	03	1	484	
					2	818	
					3	594	
				Average Concentration for Cross Section 03 :			*632*
4A26DT	11/30/99	12/07/99	7	05	1	LT 238	
					2	674	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*387*
4A26DT	11/30/99	12/07/99	7	07	1	LT 250	
					2	660	
					3	LT 238	
				Average Concentration for Cross Section 07 :			*383*
4A26DT	11/30/99	12/07/99	7	09	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*246*
4A26DT	11/30/99	12/07/99	7	11	1	LT 238	
					2	LT 238	
					3	LT 238	
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 7 : ***377***

Standard Deviation: ***207***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S127 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	11/30/99	12/07/99	7	03	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 03 :			*246*
4NT	11/30/99	12/07/99	7	05	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*246*
4NT	11/30/99	12/07/99	7	07	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 07 :			*246*
4NT	11/30/99	12/07/99	7	09	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*246*
4NT	11/30/99	12/07/99	7	11	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 7 : 244

Standard Deviation: 6

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S127 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	11/30/99	12/07/99	7	03	1	3210	
					2	5020	
					3	2880	
				Average Concentration for Cross Section 03 :			*3703*
HMX	11/30/99	12/07/99	7	05	1	LT 2100	
					2	2440	
					3	1010 J	
				Average Concentration for Cross Section 05 :			*1850*
HMX	11/30/99	12/07/99	7	07	1	LT 2200	
					2	3430	
					3	1610 J	
				Average Concentration for Cross Section 07 :			*2413*
HMX	11/30/99	12/07/99	7	09	1	LT 2100	
					2	LT 2200	
					3	1410 J	
				Average Concentration for Cross Section 09 :			*1903*
HMX	11/30/99	12/07/99	7	11	1	LT 2100	
					2	LT 2100	
					3	LT 2100	
				Average Concentration for Cross Section 11 :			*2100*

Average Concentration for Windrow on Day 7 : 2394

Standard Deviation: 959

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S127 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	11/30/99	12/07/99	7	03	1	LT	260	
					2	LT	260	
					3	LT	248	
					Average Concentration for Cross Section 03 :			*256*
NB	11/30/99	12/07/99	7	05	1	LT	248	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 05 :			*256*
NB	11/30/99	12/07/99	7	07	1	LT	260	
					2	LT	260	
					3	LT	248	
					Average Concentration for Cross Section 07 :			*256*
NB	11/30/99	12/07/99	7	09	1	LT	248	
					2	LT	260	
					3	LT	260	
					Average Concentration for Cross Section 09 :			*256*
NB	11/30/99	12/07/99	7	11	1	LT	248	
					2	LT	248	
					3	LT	248	
					Average Concentration for Cross Section 11 :			*248*

Average Concentration for Windrow on Day 7 : 254

Standard Deviation: 6

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S127 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	11/30/99	12/07/99	7	03	1		6990	
					2		12600	
					3		5920	
					Average Concentration for Cross Section 03 :			*8503*
RDX	11/30/99	12/07/99	7	05	1		1370	
					2		10000	
					3		4840	
					Average Concentration for Cross Section 05 :			*5403*
RDX	11/30/99	12/07/99	7	07	1		4670	
					2		8430	
					3		11000	
					Average Concentration for Cross Section 07 :			*8033*
RDX	11/30/99	12/07/99	7	09	1		4900	
					2	LT	1000	
					3		3140	
					Average Concentration for Cross Section 09 :			*3013*
RDX	11/30/99	12/07/99	7	11	1		4780	
					2	LT	952	
					3		1020	
					Average Concentration for Cross Section 11 :			*2251*

Average Concentration for Windrow on Day 7 : ***5441***

Standard Deviation: ***3756***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S127 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	11/30/99	12/07/99	7	03	1	LT	650
					2	LT	650
					3	LT	619
				Average Concentration for Cross Section 03 :			*640*
TETRYL	11/30/99	12/07/99	7	05	1	LT	619
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 05 :			*640*
TETRYL	11/30/99	12/07/99	7	07	1	LT	650
					2	LT	650
					3	LT	619
				Average Concentration for Cross Section 07 :			*640*
TETRYL	11/30/99	12/07/99	7	09	1	LT	619
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 09 :			*640*
TETRYL	11/30/99	12/07/99	7	11	1	LT	619
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 11 :			*619*

Average Concentration for Windrow on Day 7 : 636

Standard Deviation: 16

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-128 Day 0: 12/7/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.8	6300	12.5	2600	5.275	11605	21.575	20505
2	3	5600	12.75	2700	5.275	11605	21.025	19905
3	3.25	5810	12.5	2610	5.275	11605	21.025	20025
4	3	5720	12	2380	5.275	11605	20.275	19705
5	3	5760	12.25	2570	5.275	11605	20.525	19935
6	3.25	5820	12.25	2510	5.275	11605	20.775	19935
7	3.1	5770	12.75	2680	5.275	11605	21.125	20055
8	3	5680	12.25	2540	5.275	11605	20.525	19825
9	3.15	5790	12.75	2670	5.275	11605	21.175	20075
10	3	5800	12	2450	5.275	11605	20.275	19925
11	3.25	5930	12.25	2520	5.275	11605	20.775	20025
12	3.5	5680	12.25	2490	5.275	11605	21.025	19795
13	3	5740	12.25	2510	5.275	11605	20.525	20025
14	3	5670	12	2470	5.275	11605	20.275	20015
15	3	5670	12.25	2540	5.275	11605	20.525	19635
16	3.25	5830	12.75	2680	5.275	11605	21.275	19945
17	3.15	5290	12.75	2740	5.275	11605	21.175	19635
18	3	5660	12	2360	5.275	11605	20.275	19625
19	3	5740	12.5	2510	5.275	11605	20.775	19855
20	3	5770	12.6	2620	5.275	11605	20.875	19995
21	3	5680	12.6	2580	5.275	11605	20.875	19865
22	3	5720	12	2420	5.275	11605	20.275	19745
23	3	5790	12	2460	5.275	11605	20.275	19855
24	3	5730	12.5	2520	5.275	11605	20.775	19855
25	3	5750	12	2440	5.275	11605	20.275	19795
26	3	5740	12	2410	5.275	11605	20.275	19755
27	3	5780	12	2460	5.275	11605	20.275	19845
28	3	5790	12.6	2610	5.275	11605	20.875	20005
29	3	5690	12	2450	5.275	11605	20.275	19745
30	3	5720	12	2410	5.275	11605	20.275	19735
31	3	5790	12	2430	5.275	11605	20.275	19825
32	3	5780	12.5	2490	5.275	11605	20.775	19875
33	3	5740	12.5	2460	5.275	11605	20.775	19805
34	3	5760	12	2420	5.275	11605	20.275	19785
35	3	5720	12	2450	5.275	11605	20.275	19775
36	3	5740	12	2410	5.275	11605	20.275	19755
37					5.275	11605	5.275	11605
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	110.7	206950	442.3	90570	211.00	464200	764	761880

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SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building #: M Windrow #: M127 PERFORMED BY: _____

DATE: 12/6/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 57 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Produce		STRAW Supplier: D. Rondenmelk Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5740	12.50	2510				
2	3	5720	12.66	2620				
3	3	5680	12.60	2580				
4	3	5720	12	2420				
5	3	5790	12	2460				
6	3	5770	12.50	2520				
7	3	5750	12	2440				
8	3	5740	12	2410				
9	3	5780	12	2460				
10	3	5790	12.6	2610				
11	3	5690	12	2450				
12	3	5720	12	2410				
13	3	5750	12	2430				
14	3	5780	12.5	2490				
15	3	5740	12.5	2460				
16	3	5760	12.	2420				
17	3	5720	12	2450				
18	3	5740	12	2410				
Total								

Comments:

5 89
5 91

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 211 Windrow # 1/1 127

PERFORMED BY: Daughoff

DATE: 12/6/99

INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY 5700 Pounds
Straw _____ CY 2400 Pounds
Soil _____ CY _____ Pounds

#1

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Produce		STRAW Supplier: Lowdermilk Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.80	6300	12.50	2600				
2	3	5600	12.75	2700				
3	3.25	5810	12.50	2610				
4	3	5720	12	2380				
5	3	5760	12.25	2570				
6	3.25	5820	12.25	2510				
7	3.10	5770	12.75	2680				
8	3	5680	12.25	2540				
9	3.15	5790	12.75	2670				
10	3	5690	12	2450				
11	3.25	5800	12.25	2520				
12	3.50	5930	12.25	2490				
13	3	5680	12.25	2570				
14	3	5740	12	2470				
15	3	5670	12.25	2540				
16	3.25	5830	12.75	2680				
17	3.15	5790	12.75	2740				
18	3	5640	12	2360				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M128	12/7/99	12/7/99	0		36.60
		12/8/99	1	32.97	36.90
		12/9/99	2	33.83	31.23
		12/10/99	3	60.97	56.13
		12/11/99	4	61.07	41.07
		12/12/99	5	64.30	56.63
		12/13/99	6	61.70	54.60
		12/14/99	7	60.20	50.17
		12/15/99	8	61.73	53.90

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M128	12/7/99	12/7/99	0		8.37
		12/8/99	1	4.20	6.43
		12/9/99	2	6.30	8.90
		12/10/99	3	2.87	10.47
		12/11/99	4	7.60	8.37
		12/12/99	5	9.20	9.57
		12/13/99	6	8.93	10.30
		12/14/99	7	6.27	4.40
		12/15/99	8		5.87

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M128	12/7/99	12/8/99	1		45.54
		12/10/99	3		50.02
		12/13/99	6		37.32
		12/14/99	7		48.20

All average MWHC values are expressed in percent

Windrow Number: M128 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	12/07/99	12/16/99	9	03	1	LT	250
					2	LT	238
					3	LT	217
				Average Concentration for Cross Section 03 :			*235*
135TNB	12/07/99	12/16/99	9	05	1	LT	250
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 05 :			*238*
135TNB	12/07/99	12/16/99	9	07	1	LT	250
					2	LT	238
					3	LT	208
				Average Concentration for Cross Section 07 :			*232*
135TNB	12/07/99	12/16/99	9	09	1	LT	192
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*223*
135TNB	12/07/99	12/16/99	9	11	1	LT	227
					2	LT	222
					3	LT	217
				Average Concentration for Cross Section 11 :			*222*

Average Concentration for Windrow on Day 9 : 230

Standard Deviation: 17

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M128 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	12/07/99	12/16/99	9	03	1	LT	250	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*235*
13DNB	12/07/99	12/16/99	9	05	1	LT	250	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
13DNB	12/07/99	12/16/99	9	07	1	LT	250	
					2	LT	238	
					3	LT	208	
				Average Concentration for Cross Section 07 :				*232*
13DNB	12/07/99	12/16/99	9	09	1	LT	192	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*223*
13DNB	12/07/99	12/16/99	9	11	1	LT	227	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 11 :				*227*

Average Concentration for Windrow on Day 9 : 231

Standard Deviation: 17

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M128 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	12/07/99	12/16/99	9	03	1	203 J	
					2	185 J	
					3	596	
				Average Concentration for Cross Section 03 :			*328*
246TNT	12/07/99	12/16/99	9	05	1	3040	
					2	316	
					3	904	
				Average Concentration for Cross Section 05 :			*1420*
246TNT	12/07/99	12/16/99	9	07	1	148 J	
					2	208 J	
					3	LT 208	
				Average Concentration for Cross Section 07 :			*188*
246TNT	12/07/99	12/16/99	9	09	1	296	
					2	218 J	
					3	135 J	
				Average Concentration for Cross Section 09 :			*216*
246TNT	12/07/99	12/16/99	9	11	1	332	
					2	35200	
					3	711	
				Average Concentration for Cross Section 11 :			*12081*

Average Concentration for Windrow on Day 9 : 2847

Standard Deviation: 8980

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M128 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	12/07/99	12/16/99	9	03	1	LT	250	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*235*
24DNT	12/07/99	12/16/99	9	05	1	LT	250	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
24DNT	12/07/99	12/16/99	9	07	1	LT	250	
					2	LT	238	
					3	LT	208	
				Average Concentration for Cross Section 07 :				*232*
24DNT	12/07/99	12/16/99	9	09	1	LT	192	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*223*
24DNT	12/07/99	12/16/99	9	11	1	LT	227	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 11 :				*227*

Average Concentration for Windrow on Day 9 : ***231***

Standard Deviation: *17*

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M128 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	12/07/99	12/16/99	9	03	1	LT 260	
					2	LT 248	
					3	LT 226	
				Average Concentration for Cross Section 03 :			*245*
26DNT	12/07/99	12/16/99	9	05	1	LT 260	
					2	LT 248	
					3	LT 236	
				Average Concentration for Cross Section 05 :			*248*
26DNT	12/07/99	12/16/99	9	07	1	LT 260	
					2	LT 248	
					3	LT 217	
				Average Concentration for Cross Section 07 :			*242*
26DNT	12/07/99	12/16/99	9	09	1	LT 200	
					2	LT 248	
					3	LT 248	
				Average Concentration for Cross Section 09 :			*232*
26DNT	12/07/99	12/16/99	9	11	1	LT 236	
					2	LT 248	
					3	LT 226	
				Average Concentration for Cross Section 11 :			*237*

Average Concentration for Windrow on Day 9 : 241

Standard Deviation: 17

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M128 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	12/07/99	12/16/99	9	03	1	LT	250
					2	LT	238
					3	LT	217
				Average Concentration for Cross Section 03 :			*235*
2A46DT	12/07/99	12/16/99	9	05	1	LT	250
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 05 :			*238*
2A46DT	12/07/99	12/16/99	9	07	1	LT	250
					2	LT	238
					3	LT	208
				Average Concentration for Cross Section 07 :			*232*
2A46DT	12/07/99	12/16/99	9	09	1	LT	192
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*223*
2A46DT	12/07/99	12/16/99	9	11	1	LT	227
					2	LT	238
					3	LT	217
				Average Concentration for Cross Section 11 :			*227*

Average Concentration for Windrow on Day 9 : 231

Standard Deviation: 17

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M128 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	12/07/99	12/16/99	9	03	1	LT	250	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*235*
2NT	12/07/99	12/16/99	9	05	1	LT	250	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
2NT	12/07/99	12/16/99	9	07	1	LT	250	
					2	LT	238	
					3	LT	208	
				Average Concentration for Cross Section 07 :				*232*
2NT	12/07/99	12/16/99	9	09	1	LT	192	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*223*
2NT	12/07/99	12/16/99	9	11	1	LT	227	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 11 :				*227*

Average Concentration for Windrow on Day 9 : ***231***

Standard Deviation: *17*

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M128 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	12/07/99	12/16/99	9	03	1	LT	250	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*235*
3NT	12/07/99	12/16/99	9	05	1	LT	250	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
3NT	12/07/99	12/16/99	9	07	1	LT	250	
					2	LT	238	
					3	LT	208	
				Average Concentration for Cross Section 07 :				*232*
3NT	12/07/99	12/16/99	9	09	1	LT	192	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*223*
3NT	12/07/99	12/16/99	9	11	1	LT	227	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 11 :				*227*

Average Concentration for Windrow on Day 9 : 231

Standard Deviation: 17

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M128 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	12/07/99	12/16/99	9	03	1	LT	250	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*235*
4A26DT	12/07/99	12/16/99	9	05	1	LT	250	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
4A26DT	12/07/99	12/16/99	9	07	1		373	
					2		307	
					3	LT	208	
				Average Concentration for Cross Section 07 :				*296*
4A26DT	12/07/99	12/16/99	9	09	1		211	
					2		349	
					3		576	
				Average Concentration for Cross Section 09 :				*379*
4A26DT	12/07/99	12/16/99	9	11	1		352	
					2	LT	566	
					3		299	
				Average Concentration for Cross Section 11 :				*406*

Average Concentration for Windrow on Day 9 : ***311***

Standard Deviation: ***119***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M128 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	12/07/99	12/16/99	9	03	1	LT	250	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 03 :				*235*
4NT	12/07/99	12/16/99	9	05	1	LT	250	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 05 :				*238*
4NT	12/07/99	12/16/99	9	07	1	LT	250	
					2	LT	238	
					3	LT	208	
				Average Concentration for Cross Section 07 :				*232*
4NT	12/07/99	12/16/99	9	09	1	LT	192	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*223*
4NT	12/07/99	12/16/99	9	11	1	LT	227	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 11 :				*227*

Average Concentration for Windrow on Day 9 : ***231***

Standard Deviation: *17*

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M128 ***HMX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
HMX	12/07/99	12/16/99	9	03	1		2360	
					2	LT	2100	
					3	LT	1910	
				Average Concentration for Cross Section 03 :				*2123*
HMX	12/07/99	12/16/99	9	05	1	LT	2200	
					2	LT	2100	
					3	LT	2000	
				Average Concentration for Cross Section 05 :				*2100*
HMX	12/07/99	12/16/99	9	07	1		2150 J	
					2		1200 J	
					3	LT	1830	
				Average Concentration for Cross Section 07 :				*1727*
HMX	12/07/99	12/16/99	9	09	1		1610 J	
					2		3980	
					3		1960 J	
				Average Concentration for Cross Section 09 :				*2517*
HMX	12/07/99	12/16/99	9	11	1		1670 J	
					2	LT	1740	
					3		2700	
				Average Concentration for Cross Section 11 :				*2037*

Average Concentration for Windrow on Day 9 : ***2101***

Standard Deviation: ***626***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M128 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	12/07/99	12/16/99	9	03	1	LT 260	
					2	LT 248	
					3	LT 226	
				Average Concentration for Cross Section 03 :			*245*
NB	12/07/99	12/16/99	9	05	1	LT 260	
					2	LT 248	
					3	LT 236	
				Average Concentration for Cross Section 05 :			*248*
NB	12/07/99	12/16/99	9	07	1	LT 260	
					2	LT 248	
					3	LT 217	
				Average Concentration for Cross Section 07 :			*242*
NB	12/07/99	12/16/99	9	09	1	LT 200	
					2	LT 248	
					3	LT 248	
				Average Concentration for Cross Section 09 :			*232*
NB	12/07/99	12/16/99	9	11	1	LT 236	
					2	LT 248	
					3	LT 226	
				Average Concentration for Cross Section 11 :			*237*

Average Concentration for Windrow on Day 9 : 241

Standard Deviation: 17

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M128 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
RDX	12/07/99	12/16/99	9	03	1		1260	
					2		7580	
					3	LT	870	
				Average Concentration for Cross Section 03 :				*3237*
RDX	12/07/99	12/16/99	9	05	1		8860	
					2		870 J	
					3		785 J	
				Average Concentration for Cross Section 05 :				*3505*
RDX	12/07/99	12/16/99	9	07	1		6740	
					2		1940	
					3		1940	
				Average Concentration for Cross Section 07 :				*3540*
RDX	12/07/99	12/16/99	9	09	1		6600	
					2		3030	
					3		5380	
				Average Concentration for Cross Section 09 :				*5003*
RDX	12/07/99	12/16/99	9	11	1		1750	
					2	LT	2770	
					3		6300	
				Average Concentration for Cross Section 11 :				*3607*

Average Concentration for Windrow on Day 9 : ***3778***

Standard Deviation: ***2811***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M128 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	12/07/99	12/16/99	9	03	1	LT	650	
					2	LT	619	
					3	LT	565	
				Average Concentration for Cross Section 03 :				*611*
TETRYL	12/07/99	12/16/99	9	05	1	LT	650	
					2	LT	619	
					3	LT	591	
				Average Concentration for Cross Section 05 :				*620*
TETRYL	12/07/99	12/16/99	9	07	1	LT	650	
					2	LT	619	
					3	LT	542	
				Average Concentration for Cross Section 07 :				*604*
TETRYL	12/07/99	12/16/99	9	09	1	LT	500	
					2	LT	619	
					3	LT	619	
				Average Concentration for Cross Section 09 :				*579*
TETRYL	12/07/99	12/16/99	9	11	1	LT	591	
					2	LT	619	
					3	LT	565	
				Average Concentration for Cross Section 11 :				*592*

Average Concentration for Windrow on Day 9 : ***601***

Standard Deviation: ***43***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-129 Day 0: 12/9/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5720	11.75	2350	5.275	11605	20.125	19675
2	3.15	5770	12	2440	5.275	11605	20.425	19815
3	3.1	5740	12.1	2540	5.275	11605	20.475	19885
4	3	5710	12.1	2450	5.275	11605	20.375	19765
5	3.15	5790	12.15	2590	5.275	11605	20.575	19985
6	3.15	5810	12.1	2530	5.275	11605	20.525	19945
7	3	5700	12.1	2470	5.275	11605	20.375	19775
8	3.15	5820	12.15	2560	5.275	11605	20.575	19985
9	3.1	5730	12	2400	5.275	11605	20.375	19735
10	3.15	5810	12.1	2490	5.275	11605	20.525	19905
11	3.1	5720	12.1	2450	5.275	11605	20.475	19775
12	3	5700	12.1	2470	5.275	11605	20.375	19775
13	3.15	5820	12.1	2440	5.275	11605	20.525	19865
14	3.15	5850	12.1	2410	5.275	11605	20.525	19865
15	3.1	5740	12.1	2480	5.275	11605	20.475	19825
16	3	5700	12.1	2430	5.275	11605	20.375	19735
17	3.15	5890	12.1	2470	5.275	11605	20.525	19965
18	3.1	5730	12	2400	5.275	11605	20.375	19735
19	3.15	5880	12.15	2800	5.275	11605	20.575	20285
20	3	5740	12	2470	5.275	11605	20.275	19815
21	3	5650	12	2350	5.275	11605	20.275	19605
22	3.5	5820	12.75	2690	5.275	11605	21.525	20115
23	3.15	5770	12.5	2560	5.275	11605	20.925	19935
24	3.05	5730	12.1	2490	5.275	11605	20.425	19825
25	3.15	5790	12.5	2510	5.275	11605	20.925	19905
26	3	5690	12.5	2510	5.275	11605	20.775	19805
27	3	5740	12	2490	5.275	11605	20.275	19835
28	3.25	5800	12.5	2540	5.275	11605	21.025	19945
29	3	5710	12	2380	5.275	11605	20.275	19695
30	3.25	5870	12.75	2720	5.275	11605	21.275	20195
31	3	5730	12.6	2620	5.275	11605	20.875	19955
32	3	5680	12.5	2550	5.275	11605	20.775	19835
33	3.1	5770	12	2450	5.275	11605	20.375	19825
34	3.2	5810	12.75	2710	5.275	11605	21.225	20125
35	3.1	5760	12	2360	5.275	11605	20.375	19725
36	3.2	5800	12.4	2490	5.275	11605	20.875	19895
37					5.275	11605	5.275	11605
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	111.9	207490	439.25	90060	211.00	464200	762.15	761750

597
602

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 6129 PERFORMED BY: _____

DATE: 1/21/99 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY _____ Pounds
Straw _____ CY _____ Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Purdue		STRAW Supplier: Louderback Dayton		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5740	12	2470				
2	3	5650	12	2350				
3	3.50	5920	12.75	2690				
4	3.15	5770	12.50	2560				
5	3.05	5730	12.10	2490				
6	3.15	5790	12.50	2510				
7	3	5690	12.50	2570				
8	3	5740	12	2490				
9	3.25	5800	12.50	2540				
10	3	5770	12	2380				
11	3.25	5870	12.75	2720				
12	3.	5730	12.60	2620				
13	3.	5680	12.50	2560				
14	3.10	5720	12	2450				
15	3.20	5810	12.75	2710				
16	3.10	5760	12	2360				
17	3.20	5800	12.40	2490				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building #5 Windrow # ~~130~~ 129 PERFORMED BY: Hounard

DATE: 12/8/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5720	11.75	2350				
2	3.15	5770	12	2410				
3	3.10	5740	12.15	2540				
4	3	5710	12.10	2450				
5	3.15	5790	12.15	2590				
6	3.15	5810	12.10	2530				
7	3	5700	12.10	2470				
8	3.15	5820	12.15	2560				
9	3.10	5730	12	2400				
10	3.15	5810	12.10	2490				
11	3.10	5720	12.10	2450				
12	3	5700	12.10	2470				
13	3.15	5820	12.10	2440				
14	3.15	5850	12.10	2470				
15	3.10	5740	12.10	2480				
16	3	5700	12.10	2430				
17	3.15	5890	12.10	2470				
18	3.10	5730	12	2400				
19	3.15	5880	12.15	5800				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S129	12/9/99	12/9/99	0		21.33
		12/10/99	1	40.17	62.60
		12/11/99	2	50.33	41.27
		12/12/99	3	47.00	55.90
		12/13/99	4	47.53	41.23
		12/14/99	5	49.13	48.67
		12/15/99	6	45.23	39.20
		12/16/99	7	44.67	42.60
		12/17/99	8	55.23	53.83
		12/18/99	9	62.80	55.10
		12/19/99	10	60.87	53.87

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S129	12/9/99	12/9/99	0		11.07
		12/10/99	1	8.40	8.83
		12/11/99	2	10.27	10.00
		12/12/99	3	9.20	
		12/13/99	4	9.57	11.50
		12/14/99	5	5.90	4.63
		12/15/99	6		4.73
		12/16/99	7	6.67	11.50
		12/17/99	8	5.43	8.57
		12/18/99	9	6.57	10.67
		12/19/99	10	8.30	11.70

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S129	12/9/99	12/9/99	0		46.16
		12/10/99	1		53.04
		12/13/99	4		61.90
		12/15/99	6		42.26
		12/16/99	7		39.18
		12/17/99	8		57.96

All average MWHC values are expressed in percent

Windrow Number: S129 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	12/09/99	12/20/99	11	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
135TNB	12/09/99	12/20/99	11	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
135TNB	12/09/99	12/20/99	11	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
135TNB	12/09/99	12/20/99	11	09	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*246*
135TNB	12/09/99	12/20/99	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 11 : 248

Standard Deviation: 4

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S129

1,3-DINITROBENZENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	12/09/99	12/20/99	11	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
13DNB	12/09/99	12/20/99	11	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
13DNB	12/09/99	12/20/99	11	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
13DNB	12/09/99	12/20/99	11	09	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*246*
13DNB	12/09/99	12/20/99	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 11 : 248

Standard Deviation: 4

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S129 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	12/09/99	12/20/99	11	03	1	LT	250	
					2		588	
					3		524	
				Average Concentration for Cross Section 03 :				*454*
246TNT	12/09/99	12/20/99	11	05	1	LT	238	
					2		1620	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*703*
246TNT	12/09/99	12/20/99	11	07	1	LT	250	
					2		648	
					3		201 J	
				Average Concentration for Cross Section 07 :				*366*
246TNT	12/09/99	12/20/99	11	09	1	LT	238	
					2		53800	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*18096*
246TNT	12/09/99	12/20/99	11	11	1	LT	250	
					2		1060	
					3		497	
				Average Concentration for Cross Section 11 :				*602*

Average Concentration for Windrow on Day 11 : ***4044***

Standard Deviation: ***13770***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S129 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	12/09/99	12/20/99	11	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
24DNT	12/09/99	12/20/99	11	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
24DNT	12/09/99	12/20/99	11	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
24DNT	12/09/99	12/20/99	11	09	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*246*
24DNT	12/09/99	12/20/99	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 11 : 248

Standard Deviation: 4

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S129 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	12/09/99	12/20/99	11	03	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*260*
26DNT	12/09/99	12/20/99	11	05	1	LT	248	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 05 :				*256*
26DNT	12/09/99	12/20/99	11	07	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 07 :				*260*
26DNT	12/09/99	12/20/99	11	09	1	LT	248	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 09 :				*256*
26DNT	12/09/99	12/20/99	11	11	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*260*

Average Concentration for Windrow on Day 11 : 258

Standard Deviation: 4

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S129

2-AMINO-4,6-DINITROTOLUENE Results

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	12/09/99	12/20/99	11	03	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*250*
2A46DT	12/09/99	12/20/99	11	05	1	LT 238	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*246*
2A46DT	12/09/99	12/20/99	11	07	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*250*
2A46DT	12/09/99	12/20/99	11	09	1	19.8 J	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 09 :			*173*
2A46DT	12/09/99	12/20/99	11	11	1	LT 250	
					2	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 11 : 234

Standard Deviation: 59

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S129 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	12/09/99	12/20/99	11	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
2NT	12/09/99	12/20/99	11	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
2NT	12/09/99	12/20/99	11	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
2NT	12/09/99	12/20/99	11	09	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*246*
2NT	12/09/99	12/20/99	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 11 : ***248***

Standard Deviation: ***4***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S129 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	12/09/99	12/20/99	11	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
3NT	12/09/99	12/20/99	11	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
3NT	12/09/99	12/20/99	11	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
3NT	12/09/99	12/20/99	11	09	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*246*
3NT	12/09/99	12/20/99	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 11 : 248

Standard Deviation: 4

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S129 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4A26DT	12/09/99	12/20/99	11	03	1	LT	250	
					2	LT	250	
					3		423	
				Average Concentration for Cross Section 03 :				*308*
4A26DT	12/09/99	12/20/99	11	05	1		541	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*347*
4A26DT	12/09/99	12/20/99	11	07	1	LT	250	
					2		526	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*342*
4A26DT	12/09/99	12/20/99	11	09	1	LT	238	
					2		690	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*393*
4A26DT	12/09/99	12/20/99	11	11	1	LT	250	
					2		442	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*314*

Average Concentration for Windrow on Day 11 : ***341***

Standard Deviation: ***146***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S129 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	12/09/99	12/20/99	11	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
4NT	12/09/99	12/20/99	11	05	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
4NT	12/09/99	12/20/99	11	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
4NT	12/09/99	12/20/99	11	09	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 09 :				*246*
4NT	12/09/99	12/20/99	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 11 : 248

Standard Deviation: 4

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S129 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	12/09/99	12/20/99	11	03	1	LT	2200	
					2		1790 J	
					3		2600	
				Average Concentration for Cross Section 03 :				*2197*
HMX	12/09/99	12/20/99	11	05	1		1620 J	
					2		1550 J	
					3	LT	2200	
				Average Concentration for Cross Section 05 :				*1790*
HMX	12/09/99	12/20/99	11	07	1	LT	2200	
					2		2450	
					3		1470 J	
				Average Concentration for Cross Section 07 :				*2040*
HMX	12/09/99	12/20/99	11	09	1	LT	2100	
					2	LT	2300	
					3	LT	2200	
				Average Concentration for Cross Section 09 :				*2200*
HMX	12/09/99	12/20/99	11	11	1	LT	2200	
					2		3110	
					3		321 J	
				Average Concentration for Cross Section 11 :				*1877*

Average Concentration for Windrow on Day 11 : 2021

Standard Deviation: 631

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S129 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	12/09/99	12/20/99	11	03	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 03 :			*260*
NB	12/09/99	12/20/99	11	05	1	LT 248	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 05 :			*256*
NB	12/09/99	12/20/99	11	07	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 07 :			*260*
NB	12/09/99	12/20/99	11	09	1	LT 248	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 09 :			*256*
NB	12/09/99	12/20/99	11	11	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 11 : 258

Standard Deviation: 4

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S129 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	12/09/99	12/20/99	11	03	1	LT	1000	
					2		6930	
					3		6630	
				Average Concentration for Cross Section 03 :				*4853*
RDX	12/09/99	12/20/99	11	05	1		4790	
					2		2450	
					3	LT	1000	
				Average Concentration for Cross Section 05 :				*2747*
RDX	12/09/99	12/20/99	11	07	1	LT	1000	
					2		10000	
					3		5590	
				Average Concentration for Cross Section 07 :				*5530*
RDX	12/09/99	12/20/99	11	09	1	LT	952	
					2	LT	7100	
					3	LT	1000	
				Average Concentration for Cross Section 09 :				*3017*
RDX	12/09/99	12/20/99	11	11	1	LT	1000	
					2		7220	
					3		706 J	
				Average Concentration for Cross Section 11 :				*2975*

Average Concentration for Windrow on Day 11 : ***3825***

Standard Deviation: ***3182***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S129 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	12/09/99	12/20/99	11	03	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 03 :				*650*
TETRYL	12/09/99	12/20/99	11	05	1	LT	619	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 05 :				*640*
TETRYL	12/09/99	12/20/99	11	07	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 07 :				*650*
TETRYL	12/09/99	12/20/99	11	09	1	LT	619	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 09 :				*640*
TETRYL	12/09/99	12/20/99	11	11	1	LT	650	
					2	LT	650	
					3	LT	650	
				Average Concentration for Cross Section 11 :				*650*

Average Concentration for Windrow on Day 11 : 646

Standard Deviation: 11

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-130 Day 0: 12/10/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.1	2450	5.275	11605	20.475	19845
2	3	5680	12.15	2490	5.275	11605	20.425	19775
3	3.1	5770	12.2	2520	5.275	11605	20.575	19895
4	3	5700	12	2400	5.275	11605	20.275	19705
5	3.2	6100	11.25	2200	5.275	11605	19.725	19905
6	3.2	6000	11.25	2200	5.275	11605	19.725	19805
7	3.1	5860	12.1	2430	5.275	11605	20.475	19895
8	3.15	5920	12.15	2510	5.275	11605	20.575	20035
9	3	5700	12	2400	5.275	11605	20.275	19705
10	3.1	5740	11.5	2310	5.275	11605	19.875	19655
11	3.1	5720	12.1	2440	5.275	11605	20.475	19765
12	3.1	5770	12.1	2420	5.275	11605	20.475	19795
13	3.15	5860	12.1	2490	5.275	11605	20.525	19955
14	3	5700	12.1	2410	5.275	11605	20.375	19715
15	3.15	5820	12	2400	5.275	11605	20.425	19825
16	3.1	5740	12.1	2450	5.275	11605	20.475	19795
17	3	5700	12.1	2410	5.275	11605	20.375	19715
18	3.1	5780	12.1	2490	5.275	11605	20.475	19875
19	3.15	5840	12.1	2450	5.275	11605	20.525	19895
20	3.15	5830	12.1	2440	5.275	11605	20.525	19875
21	3.1	5750	12.15	2470	5.275	11605	20.525	19825
22	3.1	5790	12.1	2480	5.275	11605	20.475	19875
23	3	5700	12.1	2430	5.275	11605	20.375	19735
24	3.1	5720	12.15	2570	5.275	11605	20.525	19895
25	3.15	5860	12.1	2450	5.275	11605	20.525	19915
26	3.6	5900	12.5	2600	5.275	11605	21.375	20105
27	3.5	5860	12.75	2720	5.275	11605	21.525	20185
28	3.25	5790	12	2420	5.275	11605	20.525	19815
29	3.8	6200	12.5	2600	5.275	11605	21.575	20405
30	3	5740	12	2480	5.275	11605	20.275	19825
31	3.25	5800	12.5	2610	5.275	11605	21.025	20015
32	3.15	5780	12.8	2810	5.275	11605	21.225	20195
33	3.25	5830	12.75	2510	5.275	11605	21.275	19945
34	3.05	5750	12.5	2640	5.275	11605	20.825	19995
35	3	5680	12	2420	5.275	11605	20.275	19705
36	3.25	5820	12	2410	5.275	11605	20.525	19835
37	3.15	5770	12.1	2430	5.275	11605	20.525	19805
38	3	5700	12.1	2410	5.275	11605	20.375	19715
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	119.65	220460	460.7	93770	211.00	464200	791.35	778430

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 138D PERFORMED BY: Howard

DATE: 12/9/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.10	2450				
2	3	5680	12.15	2490				
3	3.10	5720	12.20	2520				
4	3.0	5700	12.00	2400				
5	3.20	6100	11.25	2200				
6	3.20	6000	11.25	2200				
7	3.10	5860	12.10	2430				
8	3.15	5920	12.15	2510				
9	3	5700	12	2400				
10	3.10	5740	11.50	2310				
11	3.10	5720	12.10	2440				
12	3.10	5770	12.10	2420				
13	3.15	5860	12.10	2480				
14	3	5700	12.10	2410				
15	3.15	5820	12	2400				
16	3.10	5740	12.10	2450				
17	3	5700	12.10	2410				
18	3.10	5780	12.10	2490				
19	3.15	5840	12.10	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 130 PERFORMED BY: Howard

DATE: 12/9/97 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5830	12.10	2440				
21	3.10	5750	12.15	2470				
22	3.10	5790	12.10	2480				
23	3	5700	12.10	2430				
24	3.10	5720	12.15	2570				
25	3.15	5860	12.10	2450				
Total								

Comments:

608

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # A30 PERFORMED BY: Rick

DATE: 12 19 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3 60	5900	12 50	2600				
2	3 50	5860	12 75	2720				
3	3 25	5790	12	2460				
4	3 80	6200	12 50	2600				
5	3	5740	12	2480				
6	3 25	5800	12 50	2610				
7	3 15	5780	12 80	2810				
8	3 25	5830	12 75	2870				
9	3.05	5750	12 50	2640				
10	3	5680	12	2420				
11	3.25	5820	12	2410				
12	3.15	5770	12.10	2430				
13	3.	5700	12.10	2410				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M130	12/10/99	12/10/99	0		38.87
		12/11/99	1	50.73	50.83
		12/12/99	2	60.73	52.73
		12/13/99	3	62.10	56.40
		12/14/99	4	58.73	54.47
		12/15/99	5	57.73	51.50
		12/16/99	6	60.00	52.30
		12/17/99	7	61.50	53.07
		12/18/99	8	61.73	51.43
		12/19/99	9	58.47	49.23

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M130	12/10/99	12/10/99	0		12.50
		12/11/99	1	7.37	13.50
		12/12/99	2	7.53	11.07
		12/13/99	3	7.57	9.47
		12/14/99	4	8.90	4.40
		12/15/99	5		10.90
		12/16/99	6	7.37	11.83
		12/17/99	7	8.73	8.87
		12/18/99	8	5.30	10.93
		12/19/99	9	7.93	11.43

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M130	12/10/99	12/10/99	0		45.06
		12/13/99	3		47.32
		12/15/99	5		41.60
		12/16/99	6		54.62

All average MWHC values are expressed in percent

Windrow Number: M130 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	12/10/99	12/20/99	10	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
135TNB	12/10/99	12/20/99	10	05	1	LT	227	
					2		131 J	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*192*
135TNB	12/10/99	12/20/99	10	07	1		167 J	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*211*
135TNB	12/10/99	12/20/99	10	09	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
135TNB	12/10/99	12/20/99	10	11	1	LT	250	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*239*

Average Concentration for Windrow on Day 10 : 225

Standard Deviation: 33

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M130 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	12/10/99	12/20/99	10	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
13DNB	12/10/99	12/20/99	10	05	1	LT	227	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*224*
13DNB	12/10/99	12/20/99	10	07	1	LT	200	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*222*
13DNB	12/10/99	12/20/99	10	09	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
13DNB	12/10/99	12/20/99	10	11	1	LT	250	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*239*

Average Concentration for Windrow on Day 10 : ***234***

Standard Deviation: ***15***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M130 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	12/10/99	12/20/99	10	03	1		674	
					2	LT	238	
					3		1120	
				Average Concentration for Cross Section 03 :				*677*
246TNT	12/10/99	12/20/99	10	05	1		1600	
					2		1180	
					3		4440	
				Average Concentration for Cross Section 05 :				*2407*
246TNT	12/10/99	12/20/99	10	07	1		2260	
					2		445	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*977*
246TNT	12/10/99	12/20/99	10	09	1	LT	238	
					2		582	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*353*
246TNT	12/10/99	12/20/99	10	11	1	LT	250	
					2		20000	
					3		297	
				Average Concentration for Cross Section 11 :				*6849*

Average Concentration for Windrow on Day 10 : ***2253***

Standard Deviation: ***5038***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M130 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	12/10/99	12/20/99	10	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
24DNT	12/10/99	12/20/99	10	05	1	LT	227	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*224*
24DNT	12/10/99	12/20/99	10	07	1	LT	200	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*222*
24DNT	12/10/99	12/20/99	10	09	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
24DNT	12/10/99	12/20/99	10	11	1	LT	250	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*239*

Average Concentration for Windrow on Day 10 : ***234***

Standard Deviation: ***15***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M130 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	12/10/99	12/20/99	10	03	1	LT	260
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 03 :			*256*
26DNT	12/10/99	12/20/99	10	05	1	LT	236
					2	LT	236
					3	LT	226
				Average Concentration for Cross Section 05 :			*233*
26DNT	12/10/99	12/20/99	10	07	1	LT	208
					2	LT	248
					3	LT	236
				Average Concentration for Cross Section 07 :			*231*
26DNT	12/10/99	12/20/99	10	09	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 09 :			*248*
26DNT	12/10/99	12/20/99	10	11	1	LT	260
					2	LT	226
					3	LT	260
				Average Concentration for Cross Section 11 :			*249*

Average Concentration for Windrow on Day 10 : ***243***

Standard Deviation: ***15***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M130 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	12/10/99	12/20/99	10	03	1	LT	250	
					2	LT	238	
					3		374	
				Average Concentration for Cross Section 03 :				*287*
2A46DT	12/10/99	12/20/99	10	05	1	LT	227	
					2		228	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*224*
2A46DT	12/10/99	12/20/99	10	07	1	LT	200	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*222*
2A46DT	12/10/99	12/20/99	10	09	1	LT	238	
					2		258	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*245*
2A46DT	12/10/99	12/20/99	10	11	1	LT	250	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*239*

Average Concentration for Windrow on Day 10 : 243

Standard Deviation: 39

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M130 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	12/10/99	12/20/99	10	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
2NT	12/10/99	12/20/99	10	05	1	LT	227	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*224*
2NT	12/10/99	12/20/99	10	07	1	LT	200	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*222*
2NT	12/10/99	12/20/99	10	09	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
2NT	12/10/99	12/20/99	10	11	1	LT	250	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*239*

Average Concentration for Windrow on Day 10 : ***234***

Standard Deviation: ***15***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M130 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	12/10/99	12/20/99	10	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
3NT	12/10/99	12/20/99	10	05	1	LT	227	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*224*
3NT	12/10/99	12/20/99	10	07	1	LT	200	
					2	LT	238	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*222*
3NT	12/10/99	12/20/99	10	09	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*238*
3NT	12/10/99	12/20/99	10	11	1	LT	250	
					2	LT	217	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*239*

Average Concentration for Windrow on Day 10 : ***234***

Standard Deviation: ***15***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M130 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
4A26DT	12/10/99	12/20/99	10	03	1		607	
					2	LT	238	
					3		440	
				Average Concentration for Cross Section 03 :				*428*
4A26DT	12/10/99	12/20/99	10	05	1		722	
					2		684	
					3		411	
				Average Concentration for Cross Section 05 :				*606*
4A26DT	12/10/99	12/20/99	10	07	1		598	
					2		384	
					3	LT	227	
				Average Concentration for Cross Section 07 :				*403*
4A26DT	12/10/99	12/20/99	10	09	1		741	
					2		1440	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*806*
4A26DT	12/10/99	12/20/99	10	11	1	LT	250	
					2	LT	217	
					3		431	
				Average Concentration for Cross Section 11 :				*299*

Average Concentration for Windrow on Day 10 : ***509***

Standard Deviation: ***319***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M130 ***4-NITROTOLUENE Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	12/10/99	12/20/99	10	03	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
4NT	12/10/99	12/20/99	10	05	1	LT	227
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 05 :			*224*
4NT	12/10/99	12/20/99	10	07	1	LT	200
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*222*
4NT	12/10/99	12/20/99	10	09	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 09 :			*238*
4NT	12/10/99	12/20/99	10	11	1	LT	250
					2	LT	217
					3	LT	250
				Average Concentration for Cross Section 11 :			*239*

Average Concentration for Windrow on Day 10 : ***234***

Standard Deviation: ***15***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M130 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
HMX	12/10/99	12/20/99	10	03	1		2290	
					2	LT	2100	
					3	LT	2200	
				Average Concentration for Cross Section 03 :				*2197*
HMX	12/10/99	12/20/99	10	05	1		4200	
					2		3970	
					3		2850	
				Average Concentration for Cross Section 05 :				*3673*
HMX	12/10/99	12/20/99	10	07	1		3500	
					2		2590	
					3		2640	
				Average Concentration for Cross Section 07 :				*2910*
HMX	12/10/99	12/20/99	10	09	1		1820 J	
					2		3980	
					3	LT	2100	
				Average Concentration for Cross Section 09 :				*2633*
HMX	12/10/99	12/20/99	10	11	1	LT	2200	
					2	LT	2310	
					3		3390	
				Average Concentration for Cross Section 11 :				*2633*

Average Concentration for Windrow on Day 10 : ***2809***

Standard Deviation: *792*

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M130 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	12/10/99	12/20/99	10	03	1	LT	260	
					2	LT	248	
					3	LT	260	
					Average Concentration for Cross Section 03 :			*256*
NB	12/10/99	12/20/99	10	05	1	LT	236	
					2	LT	236	
					3	LT	226	
					Average Concentration for Cross Section 05 :			*233*
NB	12/10/99	12/20/99	10	07	1	LT	208	
					2	LT	248	
					3	LT	236	
					Average Concentration for Cross Section 07 :			*231*
NB	12/10/99	12/20/99	10	09	1	LT	248	
					2	LT	248	
					3	LT	248	
					Average Concentration for Cross Section 09 :			*248*
NB	12/10/99	12/20/99	10	11	1	LT	260	
					2	LT	226	
					3	LT	260	
					Average Concentration for Cross Section 11 :			*249*

Average Concentration for Windrow on Day 10 : ***243***

Standard Deviation: *15*

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M130 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
RDX	12/10/99	12/20/99	10	03	1		7320	
					2	LT	952	
					3		1510	
				Average Concentration for Cross Section 03 :				*3261*
RDX	12/10/99	12/20/99	10	05	1		12700	
					2		10600	
					3		8300	
				Average Concentration for Cross Section 05 :				*10533*
RDX	12/10/99	12/20/99	10	07	1		11300	
					2		8720	
					3		1150	
				Average Concentration for Cross Section 07 :				*7057*
RDX	12/10/99	12/20/99	10	09	1		2340	
					2		14400	
					3		1010	
				Average Concentration for Cross Section 09 :				*5917*
RDX	12/10/99	12/20/99	10	11	1		3180	
					2	LT	2850	
					3		5150	
				Average Concentration for Cross Section 11 :				*3727*

Average Concentration for Windrow on Day 10 : ***6099***

Standard Deviation: ***4668***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M130 **TETRYL Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	12/10/99	12/20/99	10	03	1	LT	650
					2	LT	619
					3	LT	650
					Average Concentration for Cross Section 03 :		*640*
TETRYL	12/10/99	12/20/99	10	05	1	LT	591
					2	LT	591
					3	LT	565
					Average Concentration for Cross Section 05 :		*582*
TETRYL	12/10/99	12/20/99	10	07	1	LT	520
					2	LT	619
					3	LT	591
					Average Concentration for Cross Section 07 :		*577*
TETRYL	12/10/99	12/20/99	10	09	1	LT	619
					2	LT	619
					3	LT	619
					Average Concentration for Cross Section 09 :		*619*
TETRYL	12/10/99	12/20/99	10	11	1	LT	650
					2	LT	565
					3	LT	650
					Average Concentration for Cross Section 11 :		*622*

Average Concentration for Windrow on Day 10 : 608

Standard Deviation: 38

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-131 Day 0: 12/14/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5700	12.25	2600	5.275	11605	20.525	19905
2	3.1	5760	12.15	2550	5.275	11605	20.525	19915
3	3.1	5740	12.1	2490	5.275	11605	20.475	19835
4	3.1	5780	12.15	2510	5.275	11605	20.525	19895
5	3.15	5870	12.15	2540	5.275	11605	20.575	20015
6	3.1	5720	12.1	2440	5.275	11605	20.475	19765
7	3	5700	11.75	2370	5.275	11605	20.025	19675
8	3.15	5860	12.15	2540	5.275	11605	20.575	20005
9	3.1	5720	12.1	2480	5.275	11605	20.475	19805
10	3.15	5860	12.1	2490	5.275	11605	20.525	19955
11	3.1	5770	12.1	2430	5.275	11605	20.475	19805
12	3.15	5860	12.1	2470	5.275	11605	20.525	19935
13	3.1	5710	12.1	2490	5.275	11605	20.475	19805
14	3.15	5830	12.1	2450	5.275	11605	20.525	19885
15	3.1	5720	12	2400	5.275	11605	20.375	19725
16	3.1	5760	12.1	2430	5.275	11605	20.475	19795
17	3.1	5730	12	2400	5.275	11605	20.375	19735
18	3.15	5840	12.1	2450	5.275	11605	20.525	19895
19	3.1	5760	12.1	2430	5.275	11605	20.475	19795
20	3	5700	12.1	2460	5.275	11605	20.375	19765
21	3	5760	12	2390	5.275	11605	20.275	19755
22	3	5720	12	2450	5.275	11605	20.275	19775
23	3	5710	12	2470	5.275	11605	20.275	19785
24	3	5680	12	2420	5.275	11605	20.275	19705
25	3.1	5760	12.25	2540	5.275	11605	20.625	19905
26	3	5690	12.25	2580	5.275	11605	20.525	19875
27	3.75	5870	12.75	2840	5.275	11605	21.775	20315
28	3	5670	12	2450	5.275	11605	20.275	19725
29	3.65	5810	12.25	2510	5.275	11605	21.175	19925
30	3.1	5790	12.75	2820	5.275	11605	21.125	20215
31	3.65	5800	12.5	2760	5.275	11605	21.425	20165
32	3.65	5840	12.1	2490	5.275	11605	21.025	19935
33	3	5760	12.4	2650	5.275	11605	20.675	20015
34	3.65	5810	12.25	2550	5.275	11605	21.175	19965
35	3	5720	12.1	2480	5.275	11605	20.375	19805
36	3.7	5850	12.4	2620	5.275	11605	21.375	20075
37	3	5740	12	2590	5.275	11605	20.275	19935
38	3.65	5820	12.5	2690	5.275	11605	21.425	20115
39	3.1	5780	12	2460	5.275	11605	20.375	19845
40					5.275	11605	5.275	11605
41								
42								
43								
Total	124	224970	474.3	98180	211.00	464200	809.3	787350

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5/31 PERFORMED BY: _____

DATE: 12/14/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12.25	2600				
2	3.10	5760	12.15	2550				
3	3.10	5740	12.10	2490				
4	3.10	5730	12.15	2510				
5	3.15	5870	12.15	2540				
6	3.10	5720	12.10	2440				
7	3	5700	11.75	2370				
8	3.15	5860	12.15	2540				
9	3.10	5720	12.10	2480				
10	3.15	5860	12.10	2490				
11	3.10	5770	12.10	2430				
12	3.15	5860	12.10	2470				
13	3.10	5710	12.10	2490				
14	3.15	5830	12.10	2450				
15	3.10	5720	12	2400				
16	3.10	5760	12.10	2430				
17	3.10	5720	12	2400				
18	3.15	5840	12.10	2450				
19	3.10	5760	12.10	2430				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # _____ Windrow # _____ PERFORMED BY: _____

DATE: / / INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3	5700	12.10	2460				
21	3	5760	12	2390				
22	3	5720	12	2450				
23	3	5710	12	2470				
24								
25								
Total								

Comments:

618

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 5/31

PERFORMED BY: _____

DATE: 12/14/99

INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Produce		STRAW Supplier: Loudensmith		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5680	12	2420				
2	3.10	5760	12.25	2540				
3	3	5690	12.25	2580				
4	3.25	5870	12.25	2940				
5	3	5670	12	2450				
6	3.65	5810	12.25	2510				
7	3.10	5790	12.75	2820				
8	3.65	5800	12.50	2760				
9	3.65	5840	12.10	2490				
10	3	5640	12.40	2650				
11	3.65	5810	12.25	2550				
12	3	5720	12.10	2480				
13	3.70	5850	12.40	2620				
14	3	5740	12	2590				
15	3.65	5820	12.50	2690				
16	3.10	5280	12	2460				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S131	12/14/99	12/14/99	0		13.60
		12/15/99	1	30.33	34.30
		12/16/99	2	60.97	52.20
		12/17/99	3	55.30	48.27
		12/18/99	4	54.67	53.47
		12/19/99	5	55.50	47.37
		12/20/99	6	56.62	39.57
		12/21/99	7	60.93	46.67
		12/22/99	8	41.00	42.23

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S131	12/14/99	12/14/99	0		3.29
		12/15/99	1		4.53
		12/16/99	2	7.53	9.57
		12/17/99	3	8.60	8.90
		12/18/99	4	7.13	9.87
		12/19/99	5	4.50	9.80
		12/20/99	6	8.27	9.20
		12/21/99	7	6.73	10.13
		12/22/99	8	8.03	8.87

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S131	12/14/99	12/14/99	0		55.16
		12/16/99	2		47.06
		12/17/99	3		57.10
		12/21/99	7		62.54

All average MWHC values are expressed in percent

Friday, June 28, 2002

Windrow Number: S131 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	12/14/99	12/23/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
135TNB	12/14/99	12/23/99	9	05	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*242*
135TNB	12/14/99	12/23/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
135TNB	12/14/99	12/23/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
135TNB	12/14/99	12/23/99	9	11	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S131 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	12/14/99	12/23/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
13DNB	12/14/99	12/23/99	9	05	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*242*
13DNB	12/14/99	12/23/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
13DNB	12/14/99	12/23/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
13DNB	12/14/99	12/23/99	9	11	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S131 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	12/14/99	12/23/99	9	03	1		1380	
					2		2030	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*1220*
246TNT	12/14/99	12/23/99	9	05	1	LT	238	
					2	LT	250	
					3		1830	
				Average Concentration for Cross Section 05 :				*773*
246TNT	12/14/99	12/23/99	9	07	1	LT	250	
					2	LT	250	
					3		25000	
				Average Concentration for Cross Section 07 :				*8500*
246TNT	12/14/99	12/23/99	9	09	1	LT	250	
					2	LT	250	
					3		432	
				Average Concentration for Cross Section 09 :				*311*
246TNT	12/14/99	12/23/99	9	11	1		2230	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*906*

Average Concentration for Windrow on Day 9 : ***2342***

Standard Deviation: ***6312***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S131 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	12/14/99	12/23/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
24DNT	12/14/99	12/23/99	9	05	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*242*
24DNT	12/14/99	12/23/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
24DNT	12/14/99	12/23/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
24DNT	12/14/99	12/23/99	9	11	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S131 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	12/14/99	12/23/99	9	03	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 03 :				*260*
26DNT	12/14/99	12/23/99	9	05	1	LT	248	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 05 :				*252*
26DNT	12/14/99	12/23/99	9	07	1	LT	260	
					2	LT	260	
					3	LT	260	
				Average Concentration for Cross Section 07 :				*260*
26DNT	12/14/99	12/23/99	9	09	1	LT	260	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 09 :				*256*
26DNT	12/14/99	12/23/99	9	11	1	LT	260	
					2	LT	248	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*256*

Average Concentration for Windrow on Day 9 : ***257***

Standard Deviation: *5*

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S131 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
2A46DT	12/14/99	12/23/99	9	03	1		272	
					2		274	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*265*
2A46DT	12/14/99	12/23/99	9	05	1	LT	238	
					2	LT	250	
					3		127 J	
				Average Concentration for Cross Section 05 :				*205*
2A46DT	12/14/99	12/23/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	591	
				Average Concentration for Cross Section 07 :				*364*
2A46DT	12/14/99	12/23/99	9	09	1	LT	250	
					2	LT	250	
					3		379	
				Average Concentration for Cross Section 09 :				*293*
2A46DT	12/14/99	12/23/99	9	11	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 9 : 275

Standard Deviation: 100

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S131 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	12/14/99	12/23/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
2NT	12/14/99	12/23/99	9	05	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
2NT	12/14/99	12/23/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2NT	12/14/99	12/23/99	9	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
2NT	12/14/99	12/23/99	9	11	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S131 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	12/14/99	12/23/99	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
3NT	12/14/99	12/23/99	9	05	1	LT	238
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
3NT	12/14/99	12/23/99	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
3NT	12/14/99	12/23/99	9	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
3NT	12/14/99	12/23/99	9	11	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*246*

Average Concentration for Windrow on Day 9 : 247

Standard Deviation: 5

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S131 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	12/14/99	12/23/99	9	03	1		633	
					2		964	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*616*
4A26DT	12/14/99	12/23/99	9	05	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*242*
4A26DT	12/14/99	12/23/99	9	07	1	LT	250	
					2		184 J	
					3	LT	1040	
				Average Concentration for Cross Section 07 :				*491*
4A26DT	12/14/99	12/23/99	9	09	1	LT	250	
					2	LT	250	
					3		405	
				Average Concentration for Cross Section 09 :				*302*
4A26DT	12/14/99	12/23/99	9	11	1		456	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*315*

Average Concentration for Windrow on Day 9 : ***393***

Standard Deviation: ***273***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S131 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	12/14/99	12/23/99	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*250*
4NT	12/14/99	12/23/99	9	05	1	LT	238	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 05 :				*242*
4NT	12/14/99	12/23/99	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*250*
4NT	12/14/99	12/23/99	9	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
4NT	12/14/99	12/23/99	9	11	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*246*

Average Concentration for Windrow on Day 9 : ***247***

Standard Deviation: ***5***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S131 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	12/14/99	12/23/99	9	03	1		4580	
					2		2900	
					3	LT	2200	
				Average Concentration for Cross Section 03 :				*3227*
HMX	12/14/99	12/23/99	9	05	1	LT	2100	
					2	LT	2200	
					3		2190	
				Average Concentration for Cross Section 05 :				*2163*
HMX	12/14/99	12/23/99	9	07	1		1340 J	
					2		1230 J	
					3	LT	3560	
				Average Concentration for Cross Section 07 :				*2043*
HMX	12/14/99	12/23/99	9	09	1	LT	2200	
					2	LT	2200	
					3		1750 J	
				Average Concentration for Cross Section 09 :				*2050*
HMX	12/14/99	12/23/99	9	11	1		2620	
					2	LT	2100	
					3	LT	2200	
				Average Concentration for Cross Section 11 :				*2307*

Average Concentration for Windrow on Day 9 : 2358

Standard Deviation: 833

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S131 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	12/14/99	12/23/99	9	03	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*260*
NB	12/14/99	12/23/99	9	05	1	LT	248
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 05 :			*252*
NB	12/14/99	12/23/99	9	07	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 07 :			*260*
NB	12/14/99	12/23/99	9	09	1	LT	260
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 09 :			*256*
NB	12/14/99	12/23/99	9	11	1	LT	260
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 11 :			*256*

Average Concentration for Windrow on Day 9 : ***257***

Standard Deviation: *5*

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S131 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	12/14/99	12/23/99	9	03	1		9730	
					2		16900	
					3		1330	
				Average Concentration for Cross Section 03 :				*9320*
RDX	12/14/99	12/23/99	9	05	1	LT	952	
					2		1270	
					3		9890	
				Average Concentration for Cross Section 05 :				*4037*
RDX	12/14/99	12/23/99	9	07	1		4130	
					2		5970	
					3		32200	
				Average Concentration for Cross Section 07 :				*14100*
RDX	12/14/99	12/23/99	9	09	1	LT	1000	
					2	LT	1000	
					3		6140	
				Average Concentration for Cross Section 09 :				*2713*
RDX	12/14/99	12/23/99	9	11	1		5880	
					2	LT	952	
					3	LT	1000	
				Average Concentration for Cross Section 11 :				*2611*

Average Concentration for Windrow on Day 9 : 6556

Standard Deviation: 8466

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S131 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	12/14/99	12/23/99	9	03	1	LT 650	
					2	LT 650	
					3	LT 650	
				Average Concentration for Cross Section 03 :			*650*
TETRYL	12/14/99	12/23/99	9	05	1	LT 619	
					2	LT 650	
					3	LT 619	
				Average Concentration for Cross Section 05 :			*629*
TETRYL	12/14/99	12/23/99	9	07	1	LT 650	
					2	LT 650	
					3	LT 650	
				Average Concentration for Cross Section 07 :			*650*
TETRYL	12/14/99	12/23/99	9	09	1	LT 650	
					2	LT 650	
					3	LT 619	
				Average Concentration for Cross Section 09 :			*640*
TETRYL	12/14/99	12/23/99	9	11	1	LT 650	
					2	LT 619	
					3	LT 650	
				Average Concentration for Cross Section 11 :			*640*

Average Concentration for Windrow on Day 9 : ***642***

Standard Deviation: ***14***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-132 Day 0: 12/27/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5720	12	2470	5.275	11605	20.275	19795
2	3	5750	12	2490	5.275	11605	20.275	19845
3	3	5730	12	2440	5.275	11605	20.275	19775
4	3	5780	12	2460	5.275	11605	20.275	19845
5	3	5710	12	2480	5.275	11605	20.275	19795
6	3	5790	12	2420	5.275	11605	20.275	19815
7	3	5740	12	2460	5.275	11605	20.275	19805
8	3	5690	12	2440	5.275	11605	20.275	19735
9	3.5	5840	12	2390	5.275	11605	20.775	19835
10	3.6	5900	12.4	2540	5.275	11605	21.275	20045
11	3.4	5810	12.5	2620	5.275	11605	21.175	20035
12	3.1	5790	12.5	2660	5.275	11605	20.875	20055
13	3	5680	12.1	2480	5.275	11605	20.375	19765
14	3	5740	12.4	2560	5.275	11605	20.675	19905
15	3.6	5870	12.1	2500	5.275	11605	20.975	19975
16	3.1	5780	12	2420	5.275	11605	20.375	19805
17	3.8	6010	12.5	2680	5.275	11605	21.575	20295
18	3.7	5970	12.5	2620	5.275	11605	21.475	20195
19	3.1	5740	12.1	2490	5.275	11605	20.475	19835
20	3.1	5790	12.15	2560	5.275	11605	20.525	19955
21	3.1	5750	12.15	2590	5.275	11605	20.525	19945
22	3.1	5720	12.1	2440	5.275	11605	20.475	19765
23	3.1	5770	12.1	2450	5.275	11605	20.475	19825
24	3.1	5790	12	2400	5.275	11605	20.375	19795
25	3.15	5810	12.15	2530	5.275	11605	20.575	19945
26	3.1	5720	12.1	2460	5.275	11605	20.475	19785
27	3	5700	12.1	2490	5.275	11605	20.375	19795
28	3.15	5820	12.1	2450	5.275	11605	20.525	19875
29	3.2	6000	12.15	2700	5.275	11605	20.625	20305
30	3.2	6000	11.75	2300	5.275	11605	20.225	19905
31	2.8	5500	11.45	1700	5.275	11605	19.525	18805
32	3.1	5790	12.15	2520	5.275	11605	20.525	19915
33	3	5720	12	2410	5.275	11605	20.275	19735
34	3	5780	12	2450	5.275	11605	20.275	19835
35	3	5740	12	2480	5.275	11605	20.275	19825
36	3	5760	12.15	2520	5.275	11605	20.425	19885
37	3	5730	12	2410	5.275	11605	20.275	19745
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	116.1	213930	447.7	91480	211.00	464200	774.8	769610

RECORD OF RECIPE (MIX NO. 7B)

Building # m Windrow # 132 PERFORMED BY: Howard

DATE: 12/1 199 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

2397 lb.

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2490				
2	3.10	5790	12.15	2560				
3	3.10	5750	12.15	2590				
4	3.10	5720	12.10	2440				
5	3.10	5770	12.10	2450				
6	3.10	5790	12	2400				
7	3.15	5810	12.15	2530				
8	3.10	5720	12.10	2460				
9	3	5700	12.10	2490				
10	3.15	5820	12.10	2450				
11	3.20	6000	12.15	2700				
12	3.20	6100	11.75	2300				
13	2.80	5500	11.45	1700				
14	3.10	5790	12.15	2520				
15	3	5720	12	2410				
16	3	5780	12	2450				
17	3	5740	12	2480				
18	3	5760	12.15	2520				
19	3	5730	12	2410				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 77 Windrow # 132 PERFORMED BY: _____

DATE: 12/27/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5720	12	2470				
2	3	5750	12	2490				
3	3	5730	12	2440				
4	3	5780	12	2460				
5	3	5710	12	2480				
6	3	5790	12	2420				
7	3	5740	12	2460				
8	3	5690	12	2440				
9	3.50	5840	12	2390				
10	3.60	5900	12.40	2540				
11	3.40	5810	12.50	2620				
12	3.10	5790	12.50	2660				
13	3	5680	12.10	2480				
14	3	5740	12.40	2560				
15	3.60	5870	12.10	2500				
16	3.10	5780	12	2420				
17	3.80	6010	12.50	2680				
18	3.70	5920	12.50	2620				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
1132	12/27/99	12/27/99	0		11.03
		12/28/99	1	24.27	24.10
		12/29/99	2	42.23	30.63
		12/30/99	3	50.70	40.30
		12/31/99	4	55.50	51.53
		1/2/00	6	59.90	54.37
		1/3/00	7	62.23	56.57
		1/4/00	8	64.20	47.57
		1/5/00	9	64.10	44.53

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M132	12/27/99	12/27/99	0		16.60
		12/28/99	1	12.57	15.13
		12/29/99	2	10.43	10.97
		12/30/99	3	7.50	9.67
		12/31/99	4	8.13	10.67
		1/2/00	6	11.63	11.33
		1/3/00	7	10.83	9.00
		1/4/00	8	8.90	14.33
		1/5/00	9	13.40	13.30

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M132	12/27/99	12/27/99	0		51.82
		12/29/99	2		41.14
		12/30/99	3		51.76
		1/3/00	7		44.98
		1/5/00	9		52.94

All average MWHC values are expressed in percent

Windrow Number: M132 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	12/27/99	01/06/00	10	03	1	LT	238
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*246*
135TNB	12/27/99	01/06/00	10	05	1	LT	238
					2	LT	200
					3	LT	208
					Average Concentration for Cross Section 05 :		*215*
135TNB	12/27/99	01/06/00	10	07	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 07 :		*238*
135TNB	12/27/99	01/06/00	10	09	1	LT	227
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 09 :		*224*
135TNB	12/27/99	01/06/00	10	11	1	LT	208
					2	LT	208
					3	LT	227
					Average Concentration for Cross Section 11 :		*214*

Average Concentration for Windrow on Day 10 : 227

Standard Deviation: 16

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	12/27/99	03/27/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
135TNB	12/27/99	03/27/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
135TNB	12/27/99	03/27/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
135TNB	12/27/99	03/27/01	456	4	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 4 :		*476*
135TNB	12/27/99	03/27/01	456	5	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : 482

Standard Deviation: 11

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M132 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	12/27/99	01/06/00	10	03	1	LT	238
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*246*
13DNB	12/27/99	01/06/00	10	05	1	LT	238
					2	LT	200
					3	LT	208
					Average Concentration for Cross Section 05 :		*215*
13DNB	12/27/99	01/06/00	10	07	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 07 :		*238*
13DNB	12/27/99	01/06/00	10	09	1	LT	227
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 09 :		*224*
13DNB	12/27/99	01/06/00	10	11	1	LT	208
					2	LT	208
					3	LT	227
					Average Concentration for Cross Section 11 :		*214*

Average Concentration for Windrow on Day 10 : 227

Standard Deviation: 16

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	12/27/99	03/27/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
13DNB	12/27/99	03/27/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
13DNB	12/27/99	03/27/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
13DNB	12/27/99	03/27/01	456	4	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 4 :		*476*
13DNB	12/27/99	03/27/01	456	5	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : 482

Standard Deviation: 11

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M132 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	12/27/99	01/06/00	10	03	1	LT	238	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
246TNT	12/27/99	01/06/00	10	05	1	LT	238	
					2	LT	200	
					3	LT	208	
				Average Concentration for Cross Section 05 :				*215*
246TNT	12/27/99	01/06/00	10	07	1	LT	238	
					2	LT	238	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*238*
246TNT	12/27/99	01/06/00	10	09	1	LT	227	
					2	LT	217	
					3		452	
					3		452	
				Average Concentration for Cross Section 09 :				*337*
246TNT	12/27/99	01/06/00	10	11	1		513	
					1		513	
					2		15000	
					3		1870	
					3		1870	
				Average Concentration for Cross Section 11 :				*3953*

Average Concentration for Windrow on Day 10 : ***1290***

Standard Deviation: ***3461***

Windrow Number: M132 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	12/27/99	03/27/01	456	1	1	LT	476	
					3		789	
					5	LT	500	
					Average Concentration for Cross Section 1 :			*588*
246TNT	12/27/99	03/27/01	456	2	1	LT	500	
					3	LT	476	
					5	LT	476	
					Average Concentration for Cross Section 2 :			*484*
246TNT	12/27/99	03/27/01	456	3	1	LT	476	
					3		6120	
					5	LT	476	
					Average Concentration for Cross Section 3 :			*2357*
246TNT	12/27/99	03/27/01	456	4	1	LT	476	
					3		454 J	
					5	LT	476	
					Average Concentration for Cross Section 4 :			*469*
246TNT	12/27/99	03/27/01	456	5	1	LT	476	
					3	LT	476	
					5	LT	500	
					Average Concentration for Cross Section 5 :			*484*

Average Concentration for Windrow on Day 456 : 876

Standard Deviation: 1453

Percent Reduction of 246TNT: 43.36%

Windrow Number: M132 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	12/27/99	01/06/00	10	03	1	LT	238	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*246*
24DNT	12/27/99	01/06/00	10	05	1	LT	238	
					2	LT	200	
					3	LT	208	
					Average Concentration for Cross Section 05 :			*215*
24DNT	12/27/99	01/06/00	10	07	1	LT	238	
					2	LT	238	
					3	LT	238	
					Average Concentration for Cross Section 07 :			*238*
24DNT	12/27/99	01/06/00	10	09	1	LT	227	
					2	LT	217	
					3	LT	227	
					Average Concentration for Cross Section 09 :			*224*
24DNT	12/27/99	01/06/00	10	11	1	LT	208	
					2	LT	208	
					3	LT	227	
					Average Concentration for Cross Section 11 :			*214*

Average Concentration for Windrow on Day 10 : 227

Standard Deviation: 16

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	12/27/99	03/27/01	456	1	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 1 :			*492*
24DNT	12/27/99	03/27/01	456	2	1	LT	500	
					3	LT	476	
					5	LT	476	
					Average Concentration for Cross Section 2 :			*484*
24DNT	12/27/99	03/27/01	456	3	1	LT	476	
					3	LT	476	
					5	LT	476	
					Average Concentration for Cross Section 3 :			*476*
24DNT	12/27/99	03/27/01	456	4	1	LT	476	
					3	LT	476	
					5	LT	476	
					Average Concentration for Cross Section 4 :			*476*
24DNT	12/27/99	03/27/01	456	5	1	LT	476	
					3	LT	476	
					5	LT	500	
					Average Concentration for Cross Section 5 :			*484*

Average Concentration for Windrow on Day 456 : 482

Standard Deviation: 11

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M132 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	12/27/99	01/06/00	10	03	1	LT	248
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*256*
26DNT	12/27/99	01/06/00	10	05	1	LT	248
					2	LT	208
					3	LT	217
				Average Concentration for Cross Section 05 :			*224*
26DNT	12/27/99	01/06/00	10	07	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 07 :			*248*
26DNT	12/27/99	01/06/00	10	09	1	LT	236
					2	LT	226
					3	LT	236
				Average Concentration for Cross Section 09 :			*233*
26DNT	12/27/99	01/06/00	10	11	1	LT	217
					2	LT	217
					3	LT	236
				Average Concentration for Cross Section 11 :			*223*

Average Concentration for Windrow on Day 10 : ***237***

Standard Deviation: ***17***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	12/27/99	03/27/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 1 :			*492*
26DNT	12/27/99	03/27/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 2 :			*484*
26DNT	12/27/99	03/27/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 3 :			*476*
26DNT	12/27/99	03/27/01	456	4	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 4 :			*476*
26DNT	12/27/99	03/27/01	456	5	1	LT	476
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 5 :			*484*

Average Concentration for Windrow on Day 456 : ***482***

Standard Deviation: ***11***

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M132 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	12/27/99	01/06/00	10	03	1	LT	238
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*246*
2A46DT	12/27/99	01/06/00	10	05	1	LT	238
					2	LT	200
					3	LT	208
					Average Concentration for Cross Section 05 :		*215*
2A46DT	12/27/99	01/06/00	10	07	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 07 :		*238*
2A46DT	12/27/99	01/06/00	10	09	1	LT	227
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 09 :		*224*
2A46DT	12/27/99	01/06/00	10	11	1	LT	208
					2	LT	208
					3	LT	227
					Average Concentration for Cross Section 11 :		*214*

Average Concentration for Windrow on Day 10 : 227

Standard Deviation: 16

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	12/27/99	03/27/01	456	1	1		340 J
					3		89.9 J
					5	LT	500
					Average Concentration for Cross Section 1 :		*310*
2A46DT	12/27/99	03/27/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
2A46DT	12/27/99	03/27/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
2A46DT	12/27/99	03/27/01	456	4	1	LT	476
					3		72.9 J
					5	LT	476
					Average Concentration for Cross Section 4 :		*342*
2A46DT	12/27/99	03/27/01	456	5	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : 419

Standard Deviation: 142

Percent Reduction of 2A46DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M132 **2-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	12/27/99	01/06/00	10	03	1	LT	238
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*246*
2NT	12/27/99	01/06/00	10	05	1	LT	238
					2	LT	200
					3	LT	208
					Average Concentration for Cross Section 05 :		*215*
2NT	12/27/99	01/06/00	10	07	1	LT	238
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 07 :		*238*
2NT	12/27/99	01/06/00	10	09	1	LT	227
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 09 :		*224*
2NT	12/27/99	01/06/00	10	11	1	LT	208
					2	LT	208
					3	LT	227
					Average Concentration for Cross Section 11 :		*214*

Average Concentration for Windrow on Day 10 : 227

Standard Deviation: 16

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	12/27/99	03/27/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
2NT	12/27/99	03/27/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
2NT	12/27/99	03/27/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
2NT	12/27/99	03/27/01	456	4	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 4 :		*476*
2NT	12/27/99	03/27/01	456	5	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : 482

Standard Deviation: 11

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M132 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	12/27/99	01/06/00	10	03	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
3NT	12/27/99	01/06/00	10	05	1	LT	238
					2	LT	200
					3	LT	208
				Average Concentration for Cross Section 05 :			*215*
3NT	12/27/99	01/06/00	10	07	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
3NT	12/27/99	01/06/00	10	09	1	LT	227
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 09 :			*224*
3NT	12/27/99	01/06/00	10	11	1	LT	208
					2	LT	208
					3	LT	227
				Average Concentration for Cross Section 11 :			*214*

Average Concentration for Windrow on Day 10 : 227

Standard Deviation: 16

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	12/27/99	03/27/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 1 :			*492*
3NT	12/27/99	03/27/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 2 :			*484*
3NT	12/27/99	03/27/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 3 :			*476*
3NT	12/27/99	03/27/01	456	4	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 4 :			*476*
3NT	12/27/99	03/27/01	456	5	1	LT	476
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 5 :			*484*

Average Concentration for Windrow on Day 456 : 482

Standard Deviation: 11

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M132 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	12/27/99	01/06/00	10	03	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
4A26DT	12/27/99	01/06/00	10	05	1	LT	238
					2	LT	200
					3	LT	208
				Average Concentration for Cross Section 05 :			*215*
4A26DT	12/27/99	01/06/00	10	07	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
4A26DT	12/27/99	01/06/00	10	09	1	LT	227
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 09 :			*224*
4A26DT	12/27/99	01/06/00	10	11	1		260
					1		260
					2		522
					2		522
					3		162 J
				Average Concentration for Cross Section 11 :			*345*
					Average Concentration for Windrow on Day 10 :		***264***
						Standard Deviation:	***100***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	12/27/99	03/27/01	456	1	1		353 J
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 1 :			*451*
4A26DT	12/27/99	03/27/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 2 :			*484*
4A26DT	12/27/99	03/27/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 3 :			*476*
4A26DT	12/27/99	03/27/01	456	4	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 4 :			*476*
4A26DT	12/27/99	03/27/01	456	5	1	LT	476
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 5 :			*484*
					Average Concentration for Windrow on Day 456 :		***474***
						Standard Deviation:	***35***

Windrow Number: M132 *4-AMINO-2,6-DINITROTOLUENE Results*

Percent Reduction of 4A26DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M132 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	12/27/99	01/06/00	10	03	1	LT	238
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
4NT	12/27/99	01/06/00	10	05	1	LT	238
					2	LT	200
					3	LT	208
				Average Concentration for Cross Section 05 :			*215*
4NT	12/27/99	01/06/00	10	07	1	LT	238
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 07 :			*238*
4NT	12/27/99	01/06/00	10	09	1	LT	227
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 09 :			*224*
4NT	12/27/99	01/06/00	10	11	1	LT	208
					2	LT	208
					3	LT	227
				Average Concentration for Cross Section 11 :			*214*

Average Concentration for Windrow on Day 10 : ***227***

Standard Deviation: ***16***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	12/27/99	03/27/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 1 :			*492*
4NT	12/27/99	03/27/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 2 :			*484*
4NT	12/27/99	03/27/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 3 :			*476*
4NT	12/27/99	03/27/01	456	4	1	LT	476
					3		79.7 J
					5	LT	476
				Average Concentration for Cross Section 4 :			*344*
4NT	12/27/99	03/27/01	456	5	1	LT	476
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 5 :			*484*

Average Concentration for Windrow on Day 456 : ***456***

Standard Deviation: ***105***

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M132 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	12/27/99	01/06/00	10	03	1		2390	
					1		2390	
					2	LT	2200	
					3	LT	2200	
				Average Concentration for Cross Section 03 :				*2295*
HMX	12/27/99	01/06/00	10	05	1	LT	2100	
					2	LT	1760	
					3	LT	1830	
				Average Concentration for Cross Section 05 :				*1897*
HMX	12/27/99	01/06/00	10	07	1	LT	2100	
					2	LT	2100	
					3	LT	2100	
				Average Concentration for Cross Section 07 :				*2100*
HMX	12/27/99	01/06/00	10	09	1	LT	2000	
					2	LT	1910	
					3	LT	2000	
				Average Concentration for Cross Section 09 :				*1970*
HMX	12/27/99	01/06/00	10	11	1		4180	
					1		4180	
					2	LT	7170	
					3		2360	
					3		2360	
				Average Concentration for Cross Section 11 :				*4050*

Average Concentration for Windrow on Day 10 : ***2629***

Standard Deviation: ***1326***

Windrow Number: M132 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	12/27/99	03/27/01	456	1	1	136 J	
					3	249 J	
					5	163 J	
				Average Concentration for Cross Section 1 :			*183*
HMX	12/27/99	03/27/01	456	2	1	LT 500	
					3	LT 476	
					5	LT 476	
				Average Concentration for Cross Section 2 :			*484*
HMX	12/27/99	03/27/01	456	3	1	LT 476	
					3	288 J	
					5	331 J	
				Average Concentration for Cross Section 3 :			*365*
HMX	12/27/99	03/27/01	456	4	1	LT 476	
					3	196 J	
					5	589	
				Average Concentration for Cross Section 4 :			*420*
HMX	12/27/99	03/27/01	456	5	1	LT 476	
					3	424 J	
					5	504	
				Average Concentration for Cross Section 5 :			*468*

Average Concentration for Windrow on Day 456 : 384

Standard Deviation: 144

Percent Reduction of HMX: 87.83%

Windrow Number: M132 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	12/27/99	01/06/00	10	03	1	LT	248
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*256*
NB	12/27/99	01/06/00	10	05	1	LT	248
					2	LT	208
					3	LT	217
				Average Concentration for Cross Section 05 :			*224*
NB	12/27/99	01/06/00	10	07	1	LT	248
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 07 :			*248*
NB	12/27/99	01/06/00	10	09	1	LT	236
					2	LT	226
					3	LT	236
				Average Concentration for Cross Section 09 :			*233*
NB	12/27/99	01/06/00	10	11	1	LT	217
					2	LT	217
					3	LT	236
				Average Concentration for Cross Section 11 :			*223*

Average Concentration for Windrow on Day 10 : 237

Standard Deviation: 17

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	12/27/99	03/27/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 1 :			*492*
NB	12/27/99	03/27/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 2 :			*484*
NB	12/27/99	03/27/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 3 :			*476*
NB	12/27/99	03/27/01	456	4	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 4 :			*476*
NB	12/27/99	03/27/01	456	5	1	LT	476
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 5 :			*484*

Average Concentration for Windrow on Day 456 : 482

Standard Deviation: 11

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M132 **RDX Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	12/27/99	01/06/00	10	03	1		10900	
					1		10900	
					2		1420	
					2		1420	
					3		5200	
					3		5200	
				Average Concentration for Cross Section 03 :				*5840*
RDX	12/27/99	01/06/00	10	05	1	LT	952	
					2		1980	
					2		1980	
					3	LT	833	
				Average Concentration for Cross Section 05 :				*1436*
RDX	12/27/99	01/06/00	10	07	1	LT	952	
					2		1480	
					2		1480	
					3	LT	952	
				Average Concentration for Cross Section 07 :				*1216*
RDX	12/27/99	01/06/00	10	09	1		1960	
					1		1960	
					2	LT	870	
					3		851 J	
				Average Concentration for Cross Section 09 :				*1410*
RDX	12/27/99	01/06/00	10	11	1		9060	
					1		9060	
					2		27100	
					3		4620	
					3		4620	
				Average Concentration for Cross Section 11 :				*10892*

Average Concentration for Windrow on Day 10 : ***4598***

Standard Deviation: *5937*

Windrow Number: M132 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	12/27/99	03/27/01	456	1	1		89.1 J	
					3		175 J	
					5		81.6 J	
					Average Concentration for Cross Section 1 :			*115*
RDX	12/27/99	03/27/01	456	2	1		2230	
					3	LT	476	
					5	LT	476	
					Average Concentration for Cross Section 2 :			*1061*
RDX	12/27/99	03/27/01	456	3	1	LT	476	
					3		358 J	
					5		479	
					Average Concentration for Cross Section 3 :			*438*
RDX	12/27/99	03/27/01	456	4	1	LT	476	
					3		245 J	
					5		539	
					Average Concentration for Cross Section 4 :			*420*
RDX	12/27/99	03/27/01	456	5	1	LT	476	
					3		202 J	
					5		106 J	
					Average Concentration for Cross Section 5 :			*261*

Average Concentration for Windrow on Day 456 : 459

Standard Deviation: 518

Percent Reduction of RDX: 93.49%

Windrow Number: M132 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	12/27/99	01/06/00	10	03	1	LT	619
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 03 :			*640*
TETRYL	12/27/99	01/06/00	10	05	1	LT	619
					2	LT	520
					3	LT	542
				Average Concentration for Cross Section 05 :			*560*
TETRYL	12/27/99	01/06/00	10	07	1	LT	619
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 07 :			*619*
TETRYL	12/27/99	01/06/00	10	09	1	LT	591
					2	LT	565
					3	LT	591
				Average Concentration for Cross Section 09 :			*582*
TETRYL	12/27/99	01/06/00	10	11	1	LT	542
					2	LT	542
					3	LT	591
				Average Concentration for Cross Section 11 :			*558*

Average Concentration for Windrow on Day 10 : 592

Standard Deviation: 41

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	12/27/99	03/27/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 1 :			*492*
TETRYL	12/27/99	03/27/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 2 :			*484*
TETRYL	12/27/99	03/27/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 3 :			*476*
TETRYL	12/27/99	03/27/01	456	4	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 4 :			*476*
TETRYL	12/27/99	03/27/01	456	5	1	LT	476
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 5 :			*484*

Average Concentration for Windrow on Day 456 : 482

Standard Deviation: 11

Percent Reduction of TETRYL: 18.50%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-133 Day 0: 12/28/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5720	12.15	2520	5.275	11605	20.425	19845
2	3.1	5750	12.15	2570	5.275	11605	20.525	19925
3	3.15	5810	12.15	2540	5.275	11605	20.575	19955
4	3.1	5700	12.1	2450	5.275	11605	20.475	19755
5	3.1	5710	12.15	2560	5.275	11605	20.525	19875
6	3.15	5840	12.2	2610	5.275	11605	20.625	20055
7	3.1	5710	12.1	2470	5.275	11605	20.475	19785
8	3.1	5740	12.1	2450	5.275	11605	20.475	19795
9	3.1	5760	12.1	2410	5.275	11605	20.475	19775
10	3.15	5810	12.1	2440	5.275	11605	20.525	19855
11	3.1	5770	12.15	2550	5.275	11605	20.525	19925
12	3.1	5730	12.1	2490	5.275	11605	20.475	19825
13	3.1	5780	12.15	2560	5.275	11605	20.525	19945
14	3.1	5720	12.1	2470	5.275	11605	20.475	19795
15	3	5700	12.1	2450	5.275	11605	20.375	19755
16	3.15	5810	11.9	2370	5.275	11605	20.325	19785
17	3.1	5740	11.75	2350	5.275	11605	20.125	19695
18	3.15	5840	12.1	2470	5.275	11605	20.525	19915
19	3.1	5700	12	2400	5.275	11605	20.375	19705
20	3.1	5770	12.1	2480	5.275	11605	20.475	19855
21	3.15	5830	12.2	2640	5.275	11605	20.625	20075
22	3	5720	12.1	2450	5.275	11605	20.375	19775
23	2.9	5670	12	2410	5.275	11605	20.175	19685
24	3.4	5900	12.75	2890	5.275	11605	21.425	20395
25	3.8	6020	12	2400	5.275	11605	21.075	20025
26	3	5680	12.75	2870	5.275	11605	21.025	20155
27	3.1	5790	12	2490	5.275	11605	20.375	19885
28	3	5740	11.8	2360	5.275	11605	20.075	19705
29	3.1	5790	12.4	2540	5.275	11605	20.775	19935
30	3.1	5790	12.5	2690	5.275	11605	20.875	20085
31	3	5720	12	2440	5.275	11605	20.275	19765
32	3.1	5770	12	2480	5.275	11605	20.375	19855
33	3.4	5800	12.7	2760	5.275	11605	21.375	20165
34	3.75	5890	12.6	2670	5.275	11605	21.625	20165
35	3.1	5790	12.4	2510	5.275	11605	20.775	19905
36	3	5710	12	2460	5.275	11605	20.275	19775
37	3.15	5870	12.6	2670	5.275	11605	21.025	20145
38	3.1	5780	12.4	2530	5.275	11605	20.775	19915
39	3.1	5800	12.5	2580	5.275	11605	20.875	19985
40	3.4	5820	12	2380	5.275	11605	20.675	19805
41								
42								
43								
Total	125.7	230990	487.45	100830	211.00	464200	824.15	796020

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 133 PERFORMED BY: _____

DATE: 12/23/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	2.90	5670	12	2410				
2	3.40	5900	12.75	2890				
3	3.80	6020	12	2400				
4	3	5680	12.75	2820				
5	3.10	5790	12.	2490				
6	3.	5740	11.80	2360				
7	3.10	5790	12.40	2540				
8	3.10	5790	12.50	2690				
9	3	5720	12	2440				
10	3.10	5770	12	2480				
11	3.40	5800	12.70	2760				
12	3.75	5890	12.40	2620				
13	3.10	5790	12.40	2510				
14	3	5710	12	2460				
15	3.75	5870	12.60	2620				
16	3.10	5780	12.40	2530				
17	3.80	5800	12.50	2580				
18	3.40	5920	12.00	2380				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 133 PERFORMED BY: Howard

DATE: 12/23/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

2401
2433
5

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5720	12.15	2520				
2	3.10	5750	12.15	2570				
3	3.15	5810	12.15	2540				
4	3.10	5700	12.10	2450				
5	3.10	5790	12.15	2560				
6	3.15	5840	12.20	2610				
7	3.10	5710	12.10	2470				
8	3.10	5740	12.10	2450				
9	3.10	5760	12.10	2410				
10	3.15	5810	12.10	2440				
11	3.10	5770	12.15	2550				
12	3.10	5730	12.10	2490				
13	3.10	5780	12.15	2560				
14	3.10	5720	12.10	2470				
15	3	5700	12.10	2450				
16	3.15	5810	11.90	2370				
17	3.10	5740	11.75	2350				
18	3.15	5840	12.10	2470				
19	3.10	5700	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 135 PERFORMED BY: [illegible]

DATE: 12/28/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
21	3.10	5770	12.10	2480				
22	3.15	5830	12.20	2640				
23	3	5720	12.10	2450				
24								
25								
Total								

Comments:

- 5375

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S133	12/28/99	12/28/99	0		10.57
		12/29/99	1	30.17	21.73
		12/30/99	2	42.67	40.00
		12/31/99	3	55.20	45.83
		1/2/00	5	58.63	56.10
		1/3/00	6	58.53	55.03
		1/4/00	7	62.37	58.43

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S133	12/28/99	12/28/99	0		16.27
		12/29/99	1	9.60	15.97
		12/30/99	2	12.27	11.03
		12/31/99	3	9.10	11.53
		1/2/00	5	12.10	12.83
		1/3/00	6	11.07	11.07
		1/4/00	7	12.37	15.60

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S133	12/28/99	12/28/99	0		52.32
		1/3/00	6		45.22

All average MWHC values are expressed in percent

Windrow Number: S133 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	12/28/99	01/05/00	8	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
135TNB	12/28/99	01/05/00	8	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
135TNB	12/28/99	01/05/00	8	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
135TNB	12/28/99	01/05/00	8	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
135TNB	12/28/99	01/05/00	8	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 8 : ***250***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	12/28/99	03/28/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
135TNB	12/28/99	03/28/01	456	2	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
135TNB	12/28/99	03/28/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
135TNB	12/28/99	03/28/01	456	4	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 4 :		*484*
135TNB	12/28/99	03/28/01	456	5	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 456 : ***486***

Standard Deviation: ***12***

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S133 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	12/28/99	01/05/00	8	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
13DNB	12/28/99	01/05/00	8	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
13DNB	12/28/99	01/05/00	8	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
13DNB	12/28/99	01/05/00	8	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
13DNB	12/28/99	01/05/00	8	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 8 : ***250***

Standard Deviation: ***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	12/28/99	03/28/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
13DNB	12/28/99	03/28/01	456	2	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
13DNB	12/28/99	03/28/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
13DNB	12/28/99	03/28/01	456	4	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 4 :		*484*
13DNB	12/28/99	03/28/01	456	5	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 456 : ***486***

Standard Deviation: ***12***

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S133 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	12/28/99	01/05/00	8	03	1		2590	
					2		1330	
					3		134 J	
					Average Concentration for Cross Section 03 :			*1351*
246TNT	12/28/99	01/05/00	8	05	1		357	
					2		263	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*290*
246TNT	12/28/99	01/05/00	8	07	1	LT	250	
					2	LT	250	
					3		3390	
					Average Concentration for Cross Section 07 :			*1297*
246TNT	12/28/99	01/05/00	8	09	1		2020	
					2		560	
					3		35400	
					Average Concentration for Cross Section 09 :			*12660*
246TNT	12/28/99	01/05/00	8	11	1		260	
					2		10300	
					3		10500	
					Average Concentration for Cross Section 11 :			*7020*

Average Concentration for Windrow on Day 8 : 4524

Standard Deviation: 9209

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	12/28/99	03/28/01	456	1	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 1 :			*492*
246TNT	12/28/99	03/28/01	456	2	1	LT	476	
					3		1880	
					5	LT	476	
					Average Concentration for Cross Section 2 :			*944*
246TNT	12/28/99	03/28/01	456	3	1		696	
					3	LT	476	
					5	LT	476	
					Average Concentration for Cross Section 3 :			*549*
246TNT	12/28/99	03/28/01	456	4	1	LT	476	
					3	LT	476	
					5	LT	500	
					Average Concentration for Cross Section 4 :			*484*
246TNT	12/28/99	03/28/01	456	5	1		328 J	
					3	LT	500	
					5		567	
					Average Concentration for Cross Section 5 :			*465*

Average Concentration for Windrow on Day 456 : 587

Standard Deviation: 365

Percent Reduction of 246TNT: 87.03%

Windrow Number: S133 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	12/28/99	01/05/00	8	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
24DNT	12/28/99	01/05/00	8	05	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*250*
24DNT	12/28/99	01/05/00	8	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
24DNT	12/28/99	01/05/00	8	09	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*250*
24DNT	12/28/99	01/05/00	8	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*250*
					Average Concentration for Windrow on Day 8 :			***250***
					Standard Deviation:			***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	12/28/99	03/28/01	456	1	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 1 :			*492*
24DNT	12/28/99	03/28/01	456	2	1	LT	476	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 2 :			*484*
24DNT	12/28/99	03/28/01	456	3	1	LT	476	
					3	LT	476	
					5	LT	476	
					Average Concentration for Cross Section 3 :			*476*
24DNT	12/28/99	03/28/01	456	4	1	LT	476	
					3	LT	476	
					5	LT	500	
					Average Concentration for Cross Section 4 :			*484*
24DNT	12/28/99	03/28/01	456	5	1	LT	500	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 5 :			*492*
					Average Concentration for Windrow on Day 456 :			***486***
					Standard Deviation:			***12***

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S133 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	12/28/99	01/05/00	8	03	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 03 :		*260*
26DNT	12/28/99	01/05/00	8	05	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 05 :		*260*
26DNT	12/28/99	01/05/00	8	07	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 07 :		*260*
26DNT	12/28/99	01/05/00	8	09	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 09 :		*260*
26DNT	12/28/99	01/05/00	8	11	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 11 :		*260*
					Average Concentration for Windrow on Day 8 :		***260***
					Standard Deviation:		***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	12/28/99	03/28/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
26DNT	12/28/99	03/28/01	456	2	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
26DNT	12/28/99	03/28/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
26DNT	12/28/99	03/28/01	456	4	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 4 :		*484*
26DNT	12/28/99	03/28/01	456	5	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*492*
					Average Concentration for Windrow on Day 456 :		***486***
					Standard Deviation:		***12***

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S133 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	12/28/99	01/05/00	8	03	1	LT	250
					2		194 J
					3	LT	250
				Average Concentration for Cross Section 03 :			*231*
2A46DT	12/28/99	01/05/00	8	05	1		246 J
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 05 :			*249*
2A46DT	12/28/99	01/05/00	8	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2A46DT	12/28/99	01/05/00	8	09	1		182 J
					2		250
					3		171 J
				Average Concentration for Cross Section 09 :			*201*
2A46DT	12/28/99	01/05/00	8	11	1		249 J
					2		294
					3		372
				Average Concentration for Cross Section 11 :			*305*

Average Concentration for Windrow on Day 8 : ***247***

Standard Deviation: ***47***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	12/28/99	03/28/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 1 :			*492*
2A46DT	12/28/99	03/28/01	456	2	1	LT	476
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 2 :			*484*
2A46DT	12/28/99	03/28/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 3 :			*476*
2A46DT	12/28/99	03/28/01	456	4	1	LT	476
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 4 :			*484*
2A46DT	12/28/99	03/28/01	456	5	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 5 :			*492*

Average Concentration for Windrow on Day 456 : ***486***

Standard Deviation: ***12***

Percent Reduction of 2A46DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S133 **2-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	12/28/99	01/05/00	8	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
2NT	12/28/99	01/05/00	8	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
2NT	12/28/99	01/05/00	8	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
2NT	12/28/99	01/05/00	8	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
2NT	12/28/99	01/05/00	8	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*
					Average Concentration for Windrow on Day 8 :		***250***
					Standard Deviation:		***0***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	12/28/99	03/28/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
2NT	12/28/99	03/28/01	456	2	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
2NT	12/28/99	03/28/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
2NT	12/28/99	03/28/01	456	4	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 4 :		*484*
2NT	12/28/99	03/28/01	456	5	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*492*
					Average Concentration for Windrow on Day 456 :		***486***
					Standard Deviation:		***12***

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S133 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	12/28/99	01/05/00	8	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
3NT	12/28/99	01/05/00	8	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
3NT	12/28/99	01/05/00	8	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
3NT	12/28/99	01/05/00	8	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
3NT	12/28/99	01/05/00	8	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 8 : 250

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	12/28/99	03/28/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
3NT	12/28/99	03/28/01	456	2	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
3NT	12/28/99	03/28/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
3NT	12/28/99	03/28/01	456	4	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 4 :		*484*
3NT	12/28/99	03/28/01	456	5	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 456 : 486

Standard Deviation: 12

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S133 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	12/28/99	01/05/00	8	03	1	558	
					2	509	
					3	LT 250	
					Average Concentration for Cross Section 03 :		*439*
4A26DT	12/28/99	01/05/00	8	05	1	539	
					2	298	
					3	LT 250	
					Average Concentration for Cross Section 05 :		*362*
4A26DT	12/28/99	01/05/00	8	07	1	LT 250	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 07 :		*250*
4A26DT	12/28/99	01/05/00	8	09	1	350	
					2	800	
					3	LT 302	
					Average Concentration for Cross Section 09 :		*484*
4A26DT	12/28/99	01/05/00	8	11	1	269	
					2	1160	
					3	396	
					Average Concentration for Cross Section 11 :		*608*
					Average Concentration for Windrow on Day 8 :		***429***
					Standard Deviation:		***258***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	12/28/99	03/28/01	456	1	1	LT 476	
					3	LT 500	
					5	LT 500	
					Average Concentration for Cross Section 1 :		*492*
4A26DT	12/28/99	03/28/01	456	2	1	LT 476	
					3	LT 500	
					5	LT 476	
					Average Concentration for Cross Section 2 :		*484*
4A26DT	12/28/99	03/28/01	456	3	1	LT 476	
					3	LT 476	
					5	LT 476	
					Average Concentration for Cross Section 3 :		*476*
4A26DT	12/28/99	03/28/01	456	4	1	LT 476	
					3	LT 476	
					5	LT 500	
					Average Concentration for Cross Section 4 :		*484*
4A26DT	12/28/99	03/28/01	456	5	1	LT 500	
					3	LT 500	
					5	LT 476	
					Average Concentration for Cross Section 5 :		*492*
					Average Concentration for Windrow on Day 456 :		***486***
					Standard Deviation:		***12***

Percent Reduction of 4A26DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S133 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	12/28/99	01/05/00	8	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
4NT	12/28/99	01/05/00	8	05	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 05 :		*250*
4NT	12/28/99	01/05/00	8	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
4NT	12/28/99	01/05/00	8	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
4NT	12/28/99	01/05/00	8	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*
					Average Concentration for Windrow on Day 8 :		***250***
					Standard Deviation:		*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	12/28/99	03/28/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
4NT	12/28/99	03/28/01	456	2	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
4NT	12/28/99	03/28/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
4NT	12/28/99	03/28/01	456	4	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 4 :		*484*
4NT	12/28/99	03/28/01	456	5	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*492*
					Average Concentration for Windrow on Day 456 :		***486***
					Standard Deviation:		*12*

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S133 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	12/28/99	01/05/00	8	03	1		2220	
					2		2030 J	
					3	LT	2200	
					Average Concentration for Cross Section 03 :			*2150*
HMX	12/28/99	01/05/00	8	05	1		5380	
					2		3220	
					3	LT	2200	
					Average Concentration for Cross Section 05 :			*3600*
HMX	12/28/99	01/05/00	8	07	1	LT	2200	
					2		1910 J	
					3	LT	2200	
					Average Concentration for Cross Section 07 :			*2103*
HMX	12/28/99	01/05/00	8	09	1	LT	2200	
					2		3570	
					3	LT	3080	
					Average Concentration for Cross Section 09 :			*2950*
HMX	12/28/99	01/05/00	8	11	1		3670	
					2		3930	
					3		1280 J	
					Average Concentration for Cross Section 11 :			*2960*

Average Concentration for Windrow on Day 8 : 2753

Standard Deviation: 1047

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	12/28/99	03/28/01	456	1	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 1 :			*492*
HMX	12/28/99	03/28/01	456	2	1		800	
					3	LT	500	
					5		276 J	
					Average Concentration for Cross Section 2 :			*525*
HMX	12/28/99	03/28/01	456	3	1		182 J	
					3		256 J	
					5	LT	476	
					Average Concentration for Cross Section 3 :			*305*
HMX	12/28/99	03/28/01	456	4	1	LT	476	
					3	LT	476	
					5	LT	500	
					Average Concentration for Cross Section 4 :			*484*
HMX	12/28/99	03/28/01	456	5	1		617	
					3		146 J	
					5		1850	
					Average Concentration for Cross Section 5 :			*871*

Average Concentration for Windrow on Day 456 : 535

Standard Deviation: 401

Percent Reduction of HMX: 80.55%

Windrow Number: S133 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	12/28/99	01/05/00	8	03	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 03 :		*260*
NB	12/28/99	01/05/00	8	05	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 05 :		*260*
NB	12/28/99	01/05/00	8	07	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 07 :		*260*
NB	12/28/99	01/05/00	8	09	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 09 :		*260*
NB	12/28/99	01/05/00	8	11	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 11 :		*260*
					Average Concentration for Windrow on Day 8 :		*260*
					Standard Deviation:		*0*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	12/28/99	03/28/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
NB	12/28/99	03/28/01	456	2	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
NB	12/28/99	03/28/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
NB	12/28/99	03/28/01	456	4	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 4 :		*484*
NB	12/28/99	03/28/01	456	5	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*492*
					Average Concentration for Windrow on Day 456 :		*486*
					Standard Deviation:		*12*

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S133 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	12/28/99	01/05/00	8	03	1	8940	
					2	7760	
					3	4160	
					Average Concentration for Cross Section 03 :		*6953*
RDX	12/28/99	01/05/00	8	05	1	11600	
					2	5170	
					3	4190	
					Average Concentration for Cross Section 05 :		*6987*
RDX	12/28/99	01/05/00	8	07	1	3560	
					2	6520	
					3	2290	
					Average Concentration for Cross Section 07 :		*4123*
RDX	12/28/99	01/05/00	8	09	1	1480	
					2	8220	
					3	11700	
					Average Concentration for Cross Section 09 :		*7133*
RDX	12/28/99	01/05/00	8	11	1	6520	
					2	18800	
					3	2980	
					Average Concentration for Cross Section 11 :		*9433*

Average Concentration for Windrow on Day 8 : 6926

Standard Deviation: 4541

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	12/28/99	03/28/01	456	1	1	365 J	
					3	546	
					5	279 J	
					Average Concentration for Cross Section 1 :		*397*
RDX	12/28/99	03/28/01	456	2	1	4060	
					3	1010	
					5	2390	
					Average Concentration for Cross Section 2 :		*2487*
RDX	12/28/99	03/28/01	456	3	1	1830	
					3	492	
					5	LT 476	
					Average Concentration for Cross Section 3 :		*933*
RDX	12/28/99	03/28/01	456	4	1	583	
					3	404 J	
					5	440 J	
					Average Concentration for Cross Section 4 :		*476*
RDX	12/28/99	03/28/01	456	5	1	1490	
					3	2270	
					5	8880	
					Average Concentration for Cross Section 5 :		*4213*

Average Concentration for Windrow on Day 456 : 1701

Standard Deviation: 2253

Percent Reduction of RDX: 75.44%

Windrow Number: S133 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	12/28/99	01/05/00	8	03	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 03 :		*650*
TETRYL	12/28/99	01/05/00	8	05	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 05 :		*650*
TETRYL	12/28/99	01/05/00	8	07	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 07 :		*650*
TETRYL	12/28/99	01/05/00	8	09	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 09 :		*650*
TETRYL	12/28/99	01/05/00	8	11	1	LT	650
					2	LT	650
					3	LT	650
					Average Concentration for Cross Section 11 :		*650*

Average Concentration for Windrow on Day 8 : 650

Standard Deviation: 0

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	12/28/99	03/28/01	456	1	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
TETRYL	12/28/99	03/28/01	456	2	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
TETRYL	12/28/99	03/28/01	456	3	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 3 :		*476*
TETRYL	12/28/99	03/28/01	456	4	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 4 :		*484*
TETRYL	12/28/99	03/28/01	456	5	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 456 : 486

Standard Deviation: 12

Percent Reduction of TETRYL: 25.29%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-134 Day 0: 12/29/99

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.1	2470	5.275	11605	20.475	19865
2	3.1	5790	12.15	2510	5.275	11605	20.525	19905
3	3.1	5710	12.15	2540	5.275	11605	20.525	19855
4	3.15	5810	12.1	2490	5.275	11605	20.525	19905
5	3.1	5740	12.1	2460	5.275	11605	20.475	19805
6	3	5700	12.1	2420	5.275	11605	20.375	19725
7	3.1	5750	12	2400	5.275	11605	20.375	19755
8	3.15	5820	12.1	2470	5.275	11605	20.525	19895
9	3.1	5720	12.1	2490	5.275	11605	20.475	19815
10	3	5700	12	2400	5.275	11605	20.275	19705
11	3.4	6200	12	2400	5.275	11605	20.675	20205
12	3.1	5780	12.1	2490	5.275	11605	20.475	19875
13	3.15	5820	12.15	2540	5.275	11605	20.575	19965
14	3.1	5720	12.1	2490	5.275	11605	20.475	19815
15	3	5700	12.1	2450	5.275	11605	20.375	19755
16	3.15	5870	12.1	2440	5.275	11605	20.525	19915
17	3.1	5750	12	2400	5.275	11605	20.375	19755
18	3.15	5830	12.15	2560	5.275	11605	20.575	19995
19	3.1	5740	12.15	2570	5.275	11605	20.525	19915
20	3	5670	12	2380	5.275	11605	20.275	19655
21	3.2	5790	12.75	2890	5.275	11605	21.225	20285
22	3.2	5800	12	2420	5.275	11605	20.475	19825
23	3.75	5930	12.1	2480	5.275	11605	21.125	20015
24	3.1	5760	12.25	2520	5.275	11605	20.625	19885
25	3.2	5810	12.5	2680	5.275	11605	20.975	20095
26	3.2	5770	12	2400	5.275	11605	20.475	19775
27	3.25	5820	12.25	2510	5.275	11605	20.775	19935
28	3.25	5830	12.7	2770	5.275	11605	21.225	20205
29	3.8	6060	12.5	2650	5.275	11605	21.575	20315
30	3	5680	12.25	2510	5.275	11605	20.525	19795
31	3.1	5780	12.5	2600	5.275	11605	20.875	19985
32	3	5660	12.5	2640	5.275	11605	20.775	19905
33	3.8	6090	12	2360	5.275	11605	21.075	20055
34	2.8	5660	12	2390	5.275	11605	20.075	19655
35	3.2	5800	12.15	2480	5.275	11605	20.625	19885
36	3.2	5790	12.5	2680	5.275	11605	20.975	20075
37	3	5680	12.25	2540	5.275	11605	20.525	19825
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	117.2	214320	450.95	92890	211.00	464200	779.15	771410

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M 134 PERFORMED BY: [illegible]

DATE: 12 29 99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5670	12	2380				
2	3 20	5790	12 25	2890				
3	3.20	5800	12	2420				
4	3.75	5930	12.10	2480				
5	3.10	5760	12.25	2520				
6	3.20	5810	12 50	2680				
7	3 20	5770	12	2400				
8	3 25	5820	12 25	2510				
9	3 25	5820	12 20	2770				
10	3 80	6060	12 50	2650				
11	3 00	5680	12 25	2570				
12	3 10	5780	12 50	2600				
13	3	5660	12 50	2640				
14	3.80	6090	12	2360				
15	2.80	5660	12	2390				
16	3.20	5800	12 15	2480				
17	3.20	5790	12 50	2680				
18	3 00	5680	12 25	2540				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 134 PERFORMED BY: [illegible]

DATE: 12/29/99 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

2415
M 5.0

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2470				
2	3.10	5790	12.15	2510				
3	3.10	5710	12.15	2540				
4	3.15	5810	12.10	2490				
5	3.10	5740	12.10	2460				
6	3	5700	12.10	2420				
7	3.10	5750	12	2400				
8	3.15	5820	12.10	2470				
9	3.10	5720	12.10	2490				
10	3.0	5700	12.0	2400				
11	3.40	6200	12	2400				
12	3.10	5780	12.10	2490				
13	3.15	5820	12.15	2540				
14	3.10	5720	12.10	2490				
15	3	5700	12.10	2450				
16	3.15	5870	12.10	2440				
17	3.10	5750	12	2400				
18	3.15	5830	12.15	2560				
19	3.10	5740	12.15	2570				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M134	12/29/99	12/29/99	0		17.63
		12/30/99	1	31.70	31.40
		12/31/99	2	51.70	45.47
		1/2/00	4	57.23	53.63
		1/3/00	5	60.67	56.03
		1/4/00	6	61.00	50.13
		1/5/00	7	62.67	57.10
		1/6/00	8	38.20	52.17
		1/7/00	9	54.80	42.43
		1/8/00	10	56.27	53.37
		1/9/00	11	51.93	44.93

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M134	12/29/99	12/29/99	0		17.83
		12/30/99	1	11.60	12.53
		12/31/99	2	8.87	9.77
		1/2/00	4	12.10	12.03
		1/3/00	5	10.57	11.03
		1/4/00	6	9.83	16.00
		1/5/00	7	10.03	15.63
		1/6/00	8	17.10	16.93
		1/7/00	9	16.20	17.90
		1/8/00	10	16.97	16.10
		1/9/00	11	15.90	16.33

All average Oxygen values are expressed as a percent

Wednesday, July 03, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M134	12/29/99	12/29/99	0		40.36
		12/30/99	1		46.26
		1/3/00	5		48.36
		1/5/00	7		58.12
		1/7/00	9		54.96

All average MWHC values are expressed in percent

Windrow Number: M134 **1,3,5-TRINITROBENZENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	12/29/99	01/10/00	12	03	1	LT	250
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 03 :		*238*
135TNB	12/29/99	01/10/00	12	05	1	LT	227
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 05 :		*238*
135TNB	12/29/99	01/10/00	12	07	1	LT	192
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 07 :		*219*
135TNB	12/29/99	01/10/00	12	09	1	LT	227
					2	LT	250
					3	LT	227
					Average Concentration for Cross Section 09 :		*235*
135TNB	12/29/99	01/10/00	12	11	1	LT	227
					2	LT	217
					3	LT	238
					Average Concentration for Cross Section 11 :		*227*

Average Concentration for Windrow on Day 12 : 232

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
135TNB	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
135TNB	12/29/99	03/29/01	456	3	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 3 :		*484*
135TNB	12/29/99	03/29/01	456	4	1	LT	500
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*500*
135TNB	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : 489

Standard Deviation: 12

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	12/29/99	01/10/00	12	03	1	LT	250
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 03 :		*238*
13DNB	12/29/99	01/10/00	12	05	1	LT	227
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 05 :		*238*
13DNB	12/29/99	01/10/00	12	07	1	LT	192
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 07 :		*219*
13DNB	12/29/99	01/10/00	12	09	1	LT	227
					2	LT	250
					3	LT	227
					Average Concentration for Cross Section 09 :		*235*
13DNB	12/29/99	01/10/00	12	11	1	LT	227
					2	LT	217
					3	LT	238
					Average Concentration for Cross Section 11 :		*227*

Average Concentration for Windrow on Day 12 : ***232***

Standard Deviation: ***15***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
13DNB	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
13DNB	12/29/99	03/29/01	456	3	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 3 :		*484*
13DNB	12/29/99	03/29/01	456	4	1	LT	500
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*500*
13DNB	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : ***489***

Standard Deviation: ***12***

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	12/29/99	01/10/00	12	03	1	LT	250
					2		324
					3		545
					Average Concentration for Cross Section 03 :		*373*
246TNT	12/29/99	01/10/00	12	05	1	LT	227
					2		126 J
					3	LT	250
					Average Concentration for Cross Section 05 :		*201*
246TNT	12/29/99	01/10/00	12	07	1	LT	192
					2		172 J
					3	LT	227
					Average Concentration for Cross Section 07 :		*197*
246TNT	12/29/99	01/10/00	12	09	1	LT	227
					2		411
					3		220 J
					Average Concentration for Cross Section 09 :		*286*
246TNT	12/29/99	01/10/00	12	11	1	LT	227
					2		4260
					3		418
					Average Concentration for Cross Section 11 :		*1635*

Average Concentration for Windrow on Day 12 : 538

Standard Deviation: 1035

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
246TNT	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5		476
					Average Concentration for Cross Section 2 :		*484*
246TNT	12/29/99	03/29/01	456	3	1		567
					3	LT	476
					5		1890
					Average Concentration for Cross Section 3 :		*978*
246TNT	12/29/99	03/29/01	456	4	1	LT	500
					3		425 J
					5	LT	500
					Average Concentration for Cross Section 4 :		*475*
246TNT	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : 583

Standard Deviation: 363

Percent Reduction of 246TNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	12/29/99	01/10/00	12	03	1	LT	250
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 03 :		*238*
24DNT	12/29/99	01/10/00	12	05	1	LT	227
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 05 :		*238*
24DNT	12/29/99	01/10/00	12	07	1	LT	192
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 07 :		*219*
24DNT	12/29/99	01/10/00	12	09	1	LT	227
					2	LT	250
					3	LT	227
					Average Concentration for Cross Section 09 :		*235*
24DNT	12/29/99	01/10/00	12	11	1	LT	227
					2	LT	217
					3	LT	238
					Average Concentration for Cross Section 11 :		*227*

Average Concentration for Windrow on Day 12 : 232

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
24DNT	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
24DNT	12/29/99	03/29/01	456	3	1		61.4 J
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 3 :		*346*
24DNT	12/29/99	03/29/01	456	4	1	LT	500
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*500*
24DNT	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : 461

Standard Deviation: 111

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	12/29/99	01/10/00	12	03	1	LT	260
					2	LT	248
					3	LT	236
					Average Concentration for Cross Section 03 :		*248*
26DNT	12/29/99	01/10/00	12	05	1	LT	236
					2	LT	248
					3	LT	260
					Average Concentration for Cross Section 05 :		*248*
26DNT	12/29/99	01/10/00	12	07	1	LT	200
					2	LT	248
					3	LT	236
					Average Concentration for Cross Section 07 :		*228*
26DNT	12/29/99	01/10/00	12	09	1	LT	236
					2	LT	260
					3	LT	236
					Average Concentration for Cross Section 09 :		*244*
26DNT	12/29/99	01/10/00	12	11	1	LT	236
					2	LT	226
					3	LT	248
					Average Concentration for Cross Section 11 :		*237*
					Average Concentration for Windrow on Day 12 :		***241***
					Standard Deviation:		***15***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
26DNT	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
26DNT	12/29/99	03/29/01	456	3	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 3 :		*484*
26DNT	12/29/99	03/29/01	456	4	1	LT	500
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*500*
26DNT	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*484*
					Average Concentration for Windrow on Day 456 :		***489***
					Standard Deviation:		***12***

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	12/29/99	01/10/00	12	03	1	LT	250
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 03 :		*238*
2A46DT	12/29/99	01/10/00	12	05	1	LT	227
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 05 :		*238*
2A46DT	12/29/99	01/10/00	12	07	1	LT	192
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 07 :		*219*
2A46DT	12/29/99	01/10/00	12	09	1	LT	227
					2	LT	250
					3	LT	227
					Average Concentration for Cross Section 09 :		*235*
2A46DT	12/29/99	01/10/00	12	11	1	LT	227
					2		1300
					3	LT	238
					Average Concentration for Cross Section 11 :		*588*
					Average Concentration for Windrow on Day 12 :		***304***
					Standard Deviation:		***276***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	12/29/99	03/29/01	456	1	1		109 J
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 1 :		*362*
2A46DT	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
2A46DT	12/29/99	03/29/01	456	3	1		1500
					3	LT	476
					5		612
					Average Concentration for Cross Section 3 :		*863*
2A46DT	12/29/99	03/29/01	456	4	1	LT	500
					3		239 J
					5	LT	500
					Average Concentration for Cross Section 4 :		*413*
2A46DT	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*484*
					Average Concentration for Windrow on Day 456 :		***521***
					Standard Deviation:		***296***

Percent Reduction of 2A46DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	12/29/99	01/10/00	12	03	1	LT	250
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 03 :			*238*
2NT	12/29/99	01/10/00	12	05	1	LT	227
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*238*
2NT	12/29/99	01/10/00	12	07	1	LT	192
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 07 :			*219*
2NT	12/29/99	01/10/00	12	09	1	LT	227
					2	LT	250
					3	LT	227
				Average Concentration for Cross Section 09 :			*235*
2NT	12/29/99	01/10/00	12	11	1	LT	227
					2	LT	217
					3	LT	238
				Average Concentration for Cross Section 11 :			*227*

Average Concentration for Windrow on Day 12 : 232

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 1 :			*492*
2NT	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 2 :			*484*
2NT	12/29/99	03/29/01	456	3	1	LT	476
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 3 :			*484*
2NT	12/29/99	03/29/01	456	4	1	LT	500
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 4 :			*500*
2NT	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 5 :			*484*

Average Concentration for Windrow on Day 456 : 489

Standard Deviation: 12

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	12/29/99	01/10/00	12	03	1	LT	250
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 03 :		*238*
3NT	12/29/99	01/10/00	12	05	1	LT	227
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 05 :		*238*
3NT	12/29/99	01/10/00	12	07	1	LT	192
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 07 :		*219*
3NT	12/29/99	01/10/00	12	09	1	LT	227
					2	LT	250
					3	LT	227
					Average Concentration for Cross Section 09 :		*235*
3NT	12/29/99	01/10/00	12	11	1	LT	227
					2	LT	217
					3	LT	238
					Average Concentration for Cross Section 11 :		*227*

Average Concentration for Windrow on Day 12 : 232

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
3NT	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
3NT	12/29/99	03/29/01	456	3	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 3 :		*484*
3NT	12/29/99	03/29/01	456	4	1	LT	500
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*500*
3NT	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : 489

Standard Deviation: 12

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 **4-AMINO-2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	12/29/99	01/10/00	12	03	1	LT	250
					2		364
					3	LT	227
					Average Concentration for Cross Section 03 :		*280*
4A26DT	12/29/99	01/10/00	12	05	1	LT	227
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 05 :		*238*
4A26DT	12/29/99	01/10/00	12	07	1	LT	192
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 07 :		*219*
4A26DT	12/29/99	01/10/00	12	09	1	LT	227
					2		568
					3	LT	227
					Average Concentration for Cross Section 09 :		*341*
4A26DT	12/29/99	01/10/00	12	11	1	LT	227
					2		1960
					3	LT	238
					Average Concentration for Cross Section 11 :		*808*

Average Concentration for Windrow on Day 12 : 377

Standard Deviation: 447

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
4A26DT	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
4A26DT	12/29/99	03/29/01	456	3	1		925
					3	LT	476
					5		638
					Average Concentration for Cross Section 3 :		*680*
4A26DT	12/29/99	03/29/01	456	4	1	LT	500
					3		186 J
					5	LT	500
					Average Concentration for Cross Section 4 :		*395*
4A26DT	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : 507

Standard Deviation: 147

Percent Reduction of 4A26DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	12/29/99	01/10/00	12	03	1	LT	250
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 03 :		*238*
4NT	12/29/99	01/10/00	12	05	1	LT	227
					2	LT	238
					3	LT	250
					Average Concentration for Cross Section 05 :		*238*
4NT	12/29/99	01/10/00	12	07	1	LT	192
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 07 :		*219*
4NT	12/29/99	01/10/00	12	09	1	LT	227
					2	LT	250
					3	LT	227
					Average Concentration for Cross Section 09 :		*235*
4NT	12/29/99	01/10/00	12	11	1	LT	227
					2	LT	217
					3	LT	238
					Average Concentration for Cross Section 11 :		*227*

Average Concentration for Windrow on Day 12 : ***232***

Standard Deviation: ***15***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
4NT	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
4NT	12/29/99	03/29/01	456	3	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 3 :		*484*
4NT	12/29/99	03/29/01	456	4	1	LT	500
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*500*
4NT	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : ***489***

Standard Deviation: ***12***

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	12/29/99	01/10/00	12	03	1	LT	2200
					2		4610
					3		5350
				Average Concentration for Cross Section 03 :			*4053*
HMX	12/29/99	01/10/00	12	05	1	LT	2000
					2		2300
					3	LT	2200
				Average Concentration for Cross Section 05 :			*2167*
HMX	12/29/99	01/10/00	12	07	1	LT	1690
					2		1570 J
					3		1190 J
				Average Concentration for Cross Section 07 :			*1483*
HMX	12/29/99	01/10/00	12	09	1	LT	2000
					2		3100
					3		1800 J
				Average Concentration for Cross Section 09 :			*2300*
HMX	12/29/99	01/10/00	12	11	1	LT	2000
					2	LT	7520
					3		2540
				Average Concentration for Cross Section 11 :			*4020*

Average Concentration for Windrow on Day 12 : 2805

Standard Deviation: 1720

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	12/29/99	03/29/01	456	1	1		369 J
					3		87.5 J
					5		334 J
				Average Concentration for Cross Section 1 :			*264*
HMX	12/29/99	03/29/01	456	2	1		447 J
					3		220 J
					5		216 J
				Average Concentration for Cross Section 2 :			*294*
HMX	12/29/99	03/29/01	456	3	1		107 J
					3		132 J
					5		109 J
				Average Concentration for Cross Section 3 :			*116*
HMX	12/29/99	03/29/01	456	4	1		667
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 4 :			*556*
HMX	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5		210 J
				Average Concentration for Cross Section 5 :			*395*

Average Concentration for Windrow on Day 456 : 325

Standard Deviation: 184

Percent Reduction of HMX: 88.41%

Windrow Number: M134 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	12/29/99	01/10/00	12	03	1	LT	260
					2	LT	248
					3	LT	236
					Average Concentration for Cross Section 03 :		*248*
NB	12/29/99	01/10/00	12	05	1	LT	236
					2	LT	248
					3	LT	260
					Average Concentration for Cross Section 05 :		*248*
NB	12/29/99	01/10/00	12	07	1	LT	200
					2	LT	248
					3	LT	236
					Average Concentration for Cross Section 07 :		*228*
NB	12/29/99	01/10/00	12	09	1	LT	236
					2	LT	260
					3	LT	236
					Average Concentration for Cross Section 09 :		*244*
NB	12/29/99	01/10/00	12	11	1	LT	236
					2	LT	226
					3	LT	248
					Average Concentration for Cross Section 11 :		*237*

Average Concentration for Windrow on Day 12 : 241

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 1 :		*492*
NB	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*484*
NB	12/29/99	03/29/01	456	3	1	LT	476
					3	LT	476
					5	LT	500
					Average Concentration for Cross Section 3 :		*484*
NB	12/29/99	03/29/01	456	4	1	LT	500
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*500*
NB	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 5 :		*484*

Average Concentration for Windrow on Day 456 : 489

Standard Deviation: 12

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M134 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	12/29/99	01/10/00	12	03	1	LT	1000	
					2		13300	
					3		8250	
					Average Concentration for Cross Section 03 :			*7517*
RDX	12/29/99	01/10/00	12	05	1	LT	909	
					2		2030	
					3	LT	1000	
					Average Concentration for Cross Section 05 :			*1313*
RDX	12/29/99	01/10/00	12	07	1	LT	769	
					2		4720	
					3		1760	
					Average Concentration for Cross Section 07 :			*2416*
RDX	12/29/99	01/10/00	12	09	1	LT	909	
					2		10800	
					3		3740	
					Average Concentration for Cross Section 09 :			*5150*
RDX	12/29/99	01/10/00	12	11	1		3780	
					2		31200	
					3		6010	
					Average Concentration for Cross Section 11 :			*13663*

Average Concentration for Windrow on Day 12 : 6012

Standard Deviation: 7978

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	12/29/99	03/29/01	456	1	1		269 J	
					3		204 J	
					5		240 J	
					Average Concentration for Cross Section 1 :			*238*
RDX	12/29/99	03/29/01	456	2	1		282 J	
					3		916	
					5		165 J	
					Average Concentration for Cross Section 2 :			*454*
RDX	12/29/99	03/29/01	456	3	1		386 J	
					3	LT	476	
					5		309 J	
					Average Concentration for Cross Section 3 :			*390*
RDX	12/29/99	03/29/01	456	4	1		3800	
					3	LT	500	
					5		49.9 J	
					Average Concentration for Cross Section 4 :			*1450*
RDX	12/29/99	03/29/01	456	5	1	LT	476	
					3		123 J	
					5		184 J	
					Average Concentration for Cross Section 5 :			*261*

Average Concentration for Windrow on Day 456 : 559

Standard Deviation: 921

Percent Reduction of RDX: 90.71%

Windrow Number: M134 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	12/29/99	01/10/00	12	03	1	LT	650
					2	LT	619
					3	LT	591
				Average Concentration for Cross Section 03 :			*620*
TETRYL	12/29/99	01/10/00	12	05	1	LT	591
					2	LT	619
					3	LT	650
				Average Concentration for Cross Section 05 :			*620*
TETRYL	12/29/99	01/10/00	12	07	1	LT	500
					2	LT	619
					3	LT	591
				Average Concentration for Cross Section 07 :			*570*
TETRYL	12/29/99	01/10/00	12	09	1	LT	591
					2	LT	650
					3	LT	591
				Average Concentration for Cross Section 09 :			*611*
TETRYL	12/29/99	01/10/00	12	11	1	LT	591
					2	LT	565
					3	LT	619
				Average Concentration for Cross Section 11 :			*592*

Average Concentration for Windrow on Day 12 : 602

Standard Deviation: 38

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	12/29/99	03/29/01	456	1	1	LT	500
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 1 :			*492*
TETRYL	12/29/99	03/29/01	456	2	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 2 :			*484*
TETRYL	12/29/99	03/29/01	456	3	1	LT	476
					3	LT	476
					5	LT	500
				Average Concentration for Cross Section 3 :			*484*
TETRYL	12/29/99	03/29/01	456	4	1	LT	500
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 4 :			*500*
TETRYL	12/29/99	03/29/01	456	5	1	LT	476
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 5 :			*484*

Average Concentration for Windrow on Day 456 : 489

Standard Deviation: 12

Percent Reduction of TETRYL: 18.87%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-135 Day 0: 1/4/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5780	12.1	2450	5.275	11605	20.475	19835
2	3.15	5810	12.15	2530	5.275	11605	20.575	19945
3	3.1	5730	12.1	2470	5.275	11605	20.475	19805
4	3.1	5790	12.15	2550	5.275	11605	20.525	19945
5	3.15	5840	12.1	2480	5.275	11605	20.525	19925
6	3.1	5820	12.1	2490	5.275	11605	20.475	19915
7	3.1	5700	12.1	2440	5.275	11605	20.475	19745
8	3.1	5770	12.1	2560	5.275	11605	20.475	19935
9	3	5710	12.1	2490	5.275	11605	20.375	19805
10	3.1	5750	12.1	2440	5.275	11605	20.475	19795
11	3.15	5830	12.1	2420	5.275	11605	20.525	19855
12	3	5700	12.1	2470	5.275	11605	20.375	19775
13	3.1	5760	12.1	2430	5.275	11605	20.475	19795
14	3.15	5880	12.15	2590	5.275	11605	20.575	20075
15	3.1	5740	12.1	2460	5.275	11605	20.475	19805
16	3.1	5750	12.5	2400	5.275	11605	20.875	19755
17	3	5650	12	2390	5.275	11605	20.275	19645
18	3.1	5450	12.2	2630	5.275	11605	20.575	19685
19	3.1	5770	12.15	2540	5.275	11605	20.525	19915
20	3.1	5790	12.2	2610	5.275	11605	20.575	20005
21	3.15	5840	12	2400	5.275	11605	20.425	19845
22	3.1	5740	12.1	2490	5.275	11605	20.475	19835
23	3.15	5810	12.1	2460	5.275	11605	20.525	19875
24	3.5	5890	12.75	2770	5.275	11605	21.525	20265
25	3.75	5950	12.8	2840	5.275	11605	21.825	20395
26	3	5710	12.65	2670	5.275	11605	20.925	19985
27	3.5	5840	12	2380	5.275	11605	20.775	19825
28	3.5	5880	12.8	2830	5.275	11605	21.575	20315
29	3.4	5800	12.75	2710	5.275	11605	21.425	20115
30	3.4	5770	12.7	2680	5.275	11605	21.375	20055
31	3	5700	12	2470	5.275	11605	20.275	19775
32	3.4	5820	12.25	2510	5.275	11605	20.925	19935
33	3.4	5770	12.75	2710	5.275	11605	21.425	20085
34	3.4	5730	12.25	2530	5.275	11605	20.925	19865
35	3.5	5890	12.7	2650	5.275	11605	21.475	20145
36	3.4	5820	12.75	2710	5.275	11605	21.425	20135
37	3.75	5910	12.8	2860	5.275	11605	21.825	20375
38	3	5680	12.5	2610	5.275	11605	20.775	19895
39	3.4	5800	12.25	2520	5.275	11605	20.925	19925
40					5.275	11605	5.275	11605
41								
42								
43								
Total	125.6	225370	479.6	99640	211.00	464200	816.2	789210

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 135 PERFORMED BY: Howard

DATE: 1/19/00 INSPECTED BY: _____

Design Quantity: 2426 m 5D

Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5730	12.10	2450				
2	3.15	5810	12.15	2530				
3	3.10	5730	12.10	2470				
4	3.10	5790	12.15	2550				
5	3.15	5840	12.10	2480				
6	3.10	5820	12.10	2490				
7	3.10	5700	12.10	2440				
8	3.10	5740	12.10	2560				
9	3.	5710	12.10	2490				
10	3.10	5750	12.10	2440				
11	3.15	5830	12.10	2420				
12	3	5700	12.10	2470				
13	3.10	5760	12.10	2430				
14	3.15	5880	12.15	2590				
15	3.10	5740	12.10	2460				
16	3.10	5750	12.5	2400				
17	3	5650	12.	2340				
18	3.10	5540	12.20	2630				
19	3.10	5770	12.15	2540				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 3 Windrow # 135 PERFORMED BY: Howard

DATE: 01 1 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5790	12.20	2610				
21	3.15	5840	12	2400				
22	3.10	5740	12.10	2490				
23	3.15	5810	12.10	2460				
24								
25								
Total								

Comments:

6652

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow #5135

PERFORMED BY: _____

DATE: 1/4/00

INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: LOMB VALLEY PRODUCE		STRAW Supplier: Lundmilk Dairy		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	~~5890~~ 3.25	5890	12.75	2770				
2	3.75	5950	12.80	2840				
3	3	5710	12.65	2670				
4	3.50	5840	12.	2380				
5	3.50	5880	12.80	2830				
6	3.40	5800	12.75	2710				
7	3.40	5770	12.70	2680				
8	3	5700	12.	2470				
9	3.40	5820	12.25	2570				
10	3.40	5770	12.75	2710				
11	3.40	5790	12.25	2530				
12	3.50	5890	12.70	2650				
13	3.40	5820	12.75	2710				
14	3.75	5910	12.80	2860				
15	3	5680	12.50	2610				
16	3.40	5800	12.25	2520				
Total								

Comments: Straw had a higher water content after rain so wgts slightly higher

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S135	1/4/00	1/4/00	0		13.90
		1/5/00	1	16.53	21.27
		1/6/00	2	49.70	53.60
		1/7/00	3	60.00	53.83
		1/8/00	4	59.20	52.47
		1/9/00	5	57.07	53.70
		1/10/00	6	59.23	56.73
		1/11/00	7	57.10	53.40
		1/12/00	8	62.37	49.40

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S135	1/4/00	1/4/00	0		19.97
		1/5/00	1	18.63	18.17
		1/6/00	2	10.63	5.87
		1/7/00	3	12.13	10.70
		1/8/00	4	13.17	16.63
		1/9/00	5	13.40	16.73
		1/10/00	6	12.37	12.07
		1/11/00	7	16.43	16.57
		1/12/00	8	14.80	16.67

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S135	1/4/00	1/4/00	0		42.26
		1/5/00	1		59.54
		1/7/00	3		54.98
		1/10/00	6		52.32

All average MWHC values are expressed in percent

Windrow Number: S135 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	01/04/00	01/13/00	9	03	1	LT	238
					2	LT	208
					3	LT	208
				Average Concentration for Cross Section 03 :			*218*
135TNB	01/04/00	01/13/00	9	05	1	LT	250
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 05 :			*231*
135TNB	01/04/00	01/13/00	9	07	1	LT	250
					2	LT	227
				Average Concentration for Cross Section 07 :			*239*
135TNB	01/04/00	01/13/00	9	09	1	LT	250
					2	LT	217
					3	LT	217
				Average Concentration for Cross Section 09 :			*228*
135TNB	01/04/00	01/13/00	9	11	1	LT	217
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 11 :			*227*

Average Concentration for Windrow on Day 9 : 228

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	01/04/00	04/05/01	457	1	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 1 :			*492*
135TNB	01/04/00	04/05/01	457	2	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 2 :			*492*
135TNB	01/04/00	04/05/01	457	3	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 3 :			*492*
135TNB	01/04/00	04/05/01	457	4	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 4 :			*492*
135TNB	01/04/00	04/05/01	457	5	1		70.1 J
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 5 :			*357*

Average Concentration for Windrow on Day 457 : 465

Standard Deviation: 110

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S135 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	01/04/00	01/13/00	9	03	1	LT	238
					2	LT	208
					3	LT	208
				Average Concentration for Cross Section 03 :			*218*
13DNB	01/04/00	01/13/00	9	05	1	LT	250
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 05 :			*231*
13DNB	01/04/00	01/13/00	9	07	1	LT	250
					2	LT	227
				Average Concentration for Cross Section 07 :			*239*
13DNB	01/04/00	01/13/00	9	09	1	LT	250
					2	LT	217
					3	LT	217
				Average Concentration for Cross Section 09 :			*228*
13DNB	01/04/00	01/13/00	9	11	1	LT	217
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 11 :			*227*

Average Concentration for Windrow on Day 9 : ***228***

Standard Deviation: *15*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	01/04/00	04/05/01	457	1	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 1 :			*492*
13DNB	01/04/00	04/05/01	457	2	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 2 :			*492*
13DNB	01/04/00	04/05/01	457	3	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 3 :			*492*
13DNB	01/04/00	04/05/01	457	4	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 4 :			*492*
13DNB	01/04/00	04/05/01	457	5	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 5 :			*492*

Average Concentration for Windrow on Day 457 : ***492***

Standard Deviation: *12*

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S135 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	01/04/00	01/13/00	9	03	1		1130	
					2		6070	
					3	LT	208	
					Average Concentration for Cross Section 03 :			*2469*
246TNT	01/04/00	01/13/00	9	05	1		6360	
					2		463	
					3		674	
					Average Concentration for Cross Section 05 :			*2499*
246TNT	01/04/00	01/13/00	9	07	1	LT	250	
					2	LT	227	
					Average Concentration for Cross Section 07 :			*239*
246TNT	01/04/00	01/13/00	9	09	1	LT	250	
					2		587	
					3	LT	217	
					Average Concentration for Cross Section 09 :			*351*
246TNT	01/04/00	01/13/00	9	11	1	LT	217	
					2		288	
					3		1020	
					Average Concentration for Cross Section 11 :			*508*
					Average Concentration for Windrow on Day 9 :			***1283***
					Standard Deviation:			***2112***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	01/04/00	04/05/01	457	1	1	LT	500	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*492*
246TNT	01/04/00	04/05/01	457	2	1	LT	500	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 2 :			*492*
246TNT	01/04/00	04/05/01	457	3	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 3 :			*492*
246TNT	01/04/00	04/05/01	457	4	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 4 :			*492*
246TNT	01/04/00	04/05/01	457	5	1		963	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 5 :			*654*
					Average Concentration for Windrow on Day 457 :			***524***
					Standard Deviation:			***122***

Percent Reduction of 246TNT: 56.20%

Windrow Number: S135 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	01/04/00	01/13/00	9	03	1	LT	238	
					2	LT	208	
					3	LT	208	
					Average Concentration for Cross Section 03 :			*218*
24DNT	01/04/00	01/13/00	9	05	1	LT	250	
					2	LT	227	
					3	LT	217	
					Average Concentration for Cross Section 05 :			*231*
24DNT	01/04/00	01/13/00	9	07	1	LT	250	
					2	LT	227	
					Average Concentration for Cross Section 07 :			*239*
24DNT	01/04/00	01/13/00	9	09	1	LT	250	
					2	LT	217	
					3	LT	217	
					Average Concentration for Cross Section 09 :			*228*
24DNT	01/04/00	01/13/00	9	11	1	LT	217	
					2	LT	238	
					3	LT	227	
					Average Concentration for Cross Section 11 :			*227*
					Average Concentration for Windrow on Day 9 :			***228***
							Standard Deviation:	***15***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	01/04/00	04/05/01	457	1	1	LT	500	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*492*
24DNT	01/04/00	04/05/01	457	2	1	LT	500	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 2 :			*492*
24DNT	01/04/00	04/05/01	457	3	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 3 :			*492*
24DNT	01/04/00	04/05/01	457	4	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 4 :			*492*
24DNT	01/04/00	04/05/01	457	5	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 5 :			*492*
					Average Concentration for Windrow on Day 457 :			***492***
							Standard Deviation:	***12***

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S135 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	01/04/00	01/13/00	9	03	1	LT	248
					2	LT	217
					3	LT	217
					Average Concentration for Cross Section 03 :		*227*
26DNT	01/04/00	01/13/00	9	05	1	LT	260
					2		406
					3	LT	226
					Average Concentration for Cross Section 05 :		*297*
26DNT	01/04/00	01/13/00	9	07	1	LT	260
					2	LT	236
					Average Concentration for Cross Section 07 :		*248*
26DNT	01/04/00	01/13/00	9	09	1	LT	260
					2	LT	226
					3	LT	226
					Average Concentration for Cross Section 09 :		*237*
26DNT	01/04/00	01/13/00	9	11	1	LT	226
					2	LT	248
					3	LT	236
					Average Concentration for Cross Section 11 :		*237*

Average Concentration for Windrow on Day 9 : 249

Standard Deviation: 48

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	01/04/00	04/05/01	457	1	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 1 :		*492*
26DNT	01/04/00	04/05/01	457	2	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*492*
26DNT	01/04/00	04/05/01	457	3	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 3 :		*492*
26DNT	01/04/00	04/05/01	457	4	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*492*
26DNT	01/04/00	04/05/01	457	5	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 457 : 492

Standard Deviation: 12

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S135 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	01/04/00	01/13/00	9	03	1	LT	238
					2		211
					3	LT	208
				Average Concentration for Cross Section 03 :			*219*
2A46DT	01/04/00	01/13/00	9	05	1	LT	250
					2	LT	227
					3		692
				Average Concentration for Cross Section 05 :			*390*
2A46DT	01/04/00	01/13/00	9	07	1	LT	250
					2	LT	227
				Average Concentration for Cross Section 07 :			*239*
2A46DT	01/04/00	01/13/00	9	09	1		210 J
					2	LT	217
					3	LT	217
				Average Concentration for Cross Section 09 :			*215*
2A46DT	01/04/00	01/13/00	9	11	1	LT	217
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 11 :			*227*

Average Concentration for Windrow on Day 9 : ***259***

Standard Deviation: ***125***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	01/04/00	04/05/01	457	1	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 1 :			*492*
2A46DT	01/04/00	04/05/01	457	2	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 2 :			*492*
2A46DT	01/04/00	04/05/01	457	3	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 3 :			*492*
2A46DT	01/04/00	04/05/01	457	4	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 4 :			*492*
2A46DT	01/04/00	04/05/01	457	5	1		703
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 5 :			*568*

Average Concentration for Windrow on Day 457 : ***507***

Standard Deviation: ***55***

Percent Reduction of 2A46DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S135 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	01/04/00	01/13/00	9	03	1	LT	238
					2	LT	208
					3	LT	208
					Average Concentration for Cross Section 03 :		*218*
2NT	01/04/00	01/13/00	9	05	1	LT	250
					2	LT	227
					3	LT	217
					Average Concentration for Cross Section 05 :		*231*
2NT	01/04/00	01/13/00	9	07	1	LT	250
					2	LT	227
					Average Concentration for Cross Section 07 :		*239*
2NT	01/04/00	01/13/00	9	09	1	LT	250
					2	LT	217
					3	LT	217
					Average Concentration for Cross Section 09 :		*228*
2NT	01/04/00	01/13/00	9	11	1	LT	217
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 11 :		*227*

Average Concentration for Windrow on Day 9 : 228

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	01/04/00	04/05/01	457	1	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 1 :		*492*
2NT	01/04/00	04/05/01	457	2	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*492*
2NT	01/04/00	04/05/01	457	3	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 3 :		*492*
2NT	01/04/00	04/05/01	457	4	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*492*
2NT	01/04/00	04/05/01	457	5	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 457 : 492

Standard Deviation: 12

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S135 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	01/04/00	01/13/00	9	03	1	LT	238
					2	LT	208
					3	LT	208
					Average Concentration for Cross Section 03 :		*218*
3NT	01/04/00	01/13/00	9	05	1	LT	250
					2	LT	227
					3	LT	217
					Average Concentration for Cross Section 05 :		*231*
3NT	01/04/00	01/13/00	9	07	1	LT	250
					2	LT	227
					Average Concentration for Cross Section 07 :		*239*
3NT	01/04/00	01/13/00	9	09	1	LT	250
					2	LT	217
					3	LT	217
					Average Concentration for Cross Section 09 :		*228*
3NT	01/04/00	01/13/00	9	11	1	LT	217
					2	LT	238
					3	LT	227
					Average Concentration for Cross Section 11 :		*227*

Average Concentration for Windrow on Day 9 : ***228***

Standard Deviation: ***15***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	01/04/00	04/05/01	457	1	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 1 :		*492*
3NT	01/04/00	04/05/01	457	2	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*492*
3NT	01/04/00	04/05/01	457	3	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 3 :		*492*
3NT	01/04/00	04/05/01	457	4	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*492*
3NT	01/04/00	04/05/01	457	5	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 457 : ***492***

Standard Deviation: ***12***

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S135 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	01/04/00	01/13/00	9	03	1		666	
					2	LT	642	
					3		556	
					Average Concentration for Cross Section 03 :			*621*
4A26DT	01/04/00	01/13/00	9	05	1		752	
					2		931	
					3		1260	
					Average Concentration for Cross Section 05 :			*981*
4A26DT	01/04/00	01/13/00	9	07	1	LT	250	
					2		238	
					Average Concentration for Cross Section 07 :			*244*
4A26DT	01/04/00	01/13/00	9	09	1		398	
					2		337	
					3	LT	217	
					Average Concentration for Cross Section 09 :			*317*
4A26DT	01/04/00	01/13/00	9	11	1		190 J	
					2		277	
					3		682	
					Average Concentration for Cross Section 11 :			*383*
					Average Concentration for Windrow on Day 9 :			***528***
					Standard Deviation:			***315***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	01/04/00	04/05/01	457	1	1	LT	500	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*492*
4A26DT	01/04/00	04/05/01	457	2	1	LT	500	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 2 :			*492*
4A26DT	01/04/00	04/05/01	457	3	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 3 :			*492*
4A26DT	01/04/00	04/05/01	457	4	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 4 :			*492*
4A26DT	01/04/00	04/05/01	457	5	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 5 :			*492*
					Average Concentration for Windrow on Day 457 :			***492***
					Standard Deviation:			***12***

Percent Reduction of 4A26DT: 0.22%

Windrow Number: S135 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	01/04/00	01/13/00	9	03	1	LT	238
					2	LT	208
					3	LT	208
				Average Concentration for Cross Section 03 :			*218*
4NT	01/04/00	01/13/00	9	05	1	LT	250
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 05 :			*231*
4NT	01/04/00	01/13/00	9	07	1	LT	250
					2	LT	227
				Average Concentration for Cross Section 07 :			*239*
4NT	01/04/00	01/13/00	9	09	1	LT	250
					2	LT	217
					3	LT	217
				Average Concentration for Cross Section 09 :			*228*
4NT	01/04/00	01/13/00	9	11	1	LT	217
					2	LT	238
					3	LT	227
				Average Concentration for Cross Section 11 :			*227*

Average Concentration for Windrow on Day 9 : 228

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	01/04/00	04/05/01	457	1	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 1 :			*492*
4NT	01/04/00	04/05/01	457	2	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 2 :			*492*
4NT	01/04/00	04/05/01	457	3	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 3 :			*492*
4NT	01/04/00	04/05/01	457	4	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 4 :			*492*
4NT	01/04/00	04/05/01	457	5	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 5 :			*492*

Average Concentration for Windrow on Day 457 : 492

Standard Deviation: 12

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S135 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	01/04/00	01/13/00	9	03	1		7350	
					2	LT	8730	
					3		3540	
					Average Concentration for Cross Section 03 :			*6540*
HMX	01/04/00	01/13/00	9	05	1		9400	
					2		5750	
					3		5260	
					Average Concentration for Cross Section 05 :			*6803*
HMX	01/04/00	01/13/00	9	07	1	LT	2200	
					2		2980	
					Average Concentration for Cross Section 07 :			*2590*
HMX	01/04/00	01/13/00	9	09	1		2880	
					2		3320	
					3		1090 J	
					Average Concentration for Cross Section 09 :			*2430*
HMX	01/04/00	01/13/00	9	11	1		2630	
					2		2750	
					3		5020	
					Average Concentration for Cross Section 11 :			*3467*

Average Concentration for Windrow on Day 9 : 4493

Standard Deviation: 2529

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	01/04/00	04/05/01	457	1	1	LT	500	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*492*
HMX	01/04/00	04/05/01	457	2	1	LT	500	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 2 :			*492*
HMX	01/04/00	04/05/01	457	3	1		152 J	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 3 :			*384*
HMX	01/04/00	04/05/01	457	4	1		294 J	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 4 :			*431*
HMX	01/04/00	04/05/01	457	5	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 5 :			*492*

Average Concentration for Windrow on Day 457 : 458

Standard Deviation: 100

Percent Reduction of HMX: 89.07%

Windrow Number: S135 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	01/04/00	01/13/00	9	03	1	LT	248
					2	LT	217
					3	LT	217
				Average Concentration for Cross Section 03 :			*227*
NB	01/04/00	01/13/00	9	05	1	LT	260
					2	LT	236
					3	LT	226
				Average Concentration for Cross Section 05 :			*241*
NB	01/04/00	01/13/00	9	07	1	LT	260
					2	LT	236
				Average Concentration for Cross Section 07 :			*248*
NB	01/04/00	01/13/00	9	09	1	LT	260
					2	LT	226
					3	LT	226
				Average Concentration for Cross Section 09 :			*237*
NB	01/04/00	01/13/00	9	11	1	LT	226
					2	LT	248
					3	LT	236
				Average Concentration for Cross Section 11 :			*237*

Average Concentration for Windrow on Day 9 : 237

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	01/04/00	04/05/01	457	1	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 1 :			*492*
NB	01/04/00	04/05/01	457	2	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 2 :			*492*
NB	01/04/00	04/05/01	457	3	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 3 :			*492*
NB	01/04/00	04/05/01	457	4	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 4 :			*492*
NB	01/04/00	04/05/01	457	5	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 5 :			*492*

Average Concentration for Windrow on Day 457 : 492

Standard Deviation: 12

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S135 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	01/04/00	01/13/00	9	03	1	22800	
					2	27700	
					3	5480	
					Average Concentration for Cross Section 03 :		*18660*
RDX	01/04/00	01/13/00	9	05	1	21900	
					2	2630	
					3	6800	
					Average Concentration for Cross Section 05 :		*10443*
RDX	01/04/00	01/13/00	9	07	1	522 J	
					2	4400	
					Average Concentration for Cross Section 07 :		*2461*
RDX	01/04/00	01/13/00	9	09	1	4800	
					2	5980	
					3	3190	
					Average Concentration for Cross Section 09 :		*4657*
RDX	01/04/00	01/13/00	9	11	1	4420	
					2	4500	
					3	19500	
					Average Concentration for Cross Section 11 :		*9473*
					Average Concentration for Windrow on Day 9 :		***9616***
					Standard Deviation:		***9047***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	01/04/00	04/05/01	457	1	1	90.4 J	
					3	2180	
					5	LT 476	
					Average Concentration for Cross Section 1 :		*915*
RDX	01/04/00	04/05/01	457	2	1	46.6 J	
					3	LT 500	
					5	184 J	
					Average Concentration for Cross Section 2 :		*244*
RDX	01/04/00	04/05/01	457	3	1	1180	
					3	LT 500	
					5	LT 500	
					Average Concentration for Cross Section 3 :		*727*
RDX	01/04/00	04/05/01	457	4	1	490	
					3	3260	
					5	LT 500	
					Average Concentration for Cross Section 4 :		*1417*
RDX	01/04/00	04/05/01	457	5	1	192 J	
					3	LT 500	
					5	LT 500	
					Average Concentration for Cross Section 5 :		*397*
					Average Concentration for Windrow on Day 457 :		***740***
					Standard Deviation:		***870***

Percent Reduction of RDX: 91.76%

Windrow Number: S135 **TETRYL Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	01/04/00	01/13/00	9	03	1	LT	619
					2	LT	542
					3	LT	542
					Average Concentration for Cross Section 03 :		*568*
TETRYL	01/04/00	01/13/00	9	05	1	LT	650
					2	LT	591
					3	LT	565
					Average Concentration for Cross Section 05 :		*602*
TETRYL	01/04/00	01/13/00	9	07	1	LT	650
					2	LT	591
					Average Concentration for Cross Section 07 :		*621*
TETRYL	01/04/00	01/13/00	9	09	1	LT	650
					2	LT	565
					3	LT	565
					Average Concentration for Cross Section 09 :		*593*
TETRYL	01/04/00	01/13/00	9	11	1	LT	565
					2	LT	619
					3	LT	591
					Average Concentration for Cross Section 11 :		*592*

Average Concentration for Windrow on Day 9 : 593

Standard Deviation: 39

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	01/04/00	04/05/01	457	1	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 1 :		*492*
TETRYL	01/04/00	04/05/01	457	2	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 2 :		*492*
TETRYL	01/04/00	04/05/01	457	3	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 3 :		*492*
TETRYL	01/04/00	04/05/01	457	4	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 4 :		*492*
TETRYL	01/04/00	04/05/01	457	5	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 457 : 492

Standard Deviation: 12

Percent Reduction of TETRYL: 11.14%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-136 Day 0: 1/12/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2470	5.275	11605	20.475	19825
2	3.15	5820	12.2	2560	5.275	11605	20.625	19985
3	3.1	5720	11.9	2380	5.275	11605	20.275	19705
4	3.1	5740	12.1	2410	5.275	11605	20.475	19755
5	3.15	5820	12.1	2440	5.275	11605	20.525	19865
6	3.1	5760	12	2400	5.275	11605	20.375	19765
7	3.1	5720	12.1	2440	5.275	11605	20.475	19765
8	3.15	5810	12.1	2460	5.275	11605	20.525	19875
9	3.1	5790	12.1	2410	5.275	11605	20.475	19805
10	3.15	5820	12.2	2530	5.275	11605	20.625	19955
11	3.1	5720	12	2400	5.275	11605	20.375	19725
12	3.1	5780	12.25	2610	5.275	11605	20.625	19995
13	3.1	5790	12.1	2440	5.275	11605	20.475	19835
14	3.1	5740	12	2400	5.275	11605	20.375	19745
15	3.15	5820	12.1	24601	5.275	11605	20.525	42026
16	3.15	5750	12.2	2570	5.275	11605	20.625	19925
17	2.9	5670	11.75	2340	5.275	11605	19.925	19615
18	3.1	5710	12.2	2570	5.275	11605	20.575	19885
19	3.1	5770	12.1	2460	5.275	11605	20.475	19835
20	3.1	5760	12.15	2540	5.275	11605	20.525	19905
21	3.1	5720	12.15	2590	5.275	11605	20.525	19915
22	3.1	5740	12.1	2470	5.275	11605	20.475	19815
23	3.1	5710	12.15	2560	5.275	11605	20.525	19875
24	3.15	5860	12.15	2420	5.275	11605	20.575	19885
25	3.1	5720	12.1	2440	5.275	11605	20.475	19765
26	3.1	5740	12	2400	5.275	11605	20.375	19745
27	3.1	5770	12.1	2490	5.275	11605	20.475	19865
28	3.4	5890	12.4	2570	5.275	11605	21.075	20065
29	3.4	5900	12.15	2510	5.275	11605	20.825	20015
30	3.4	5870	12.2	2540	5.275	11605	20.875	20015
31	3.4	5900	12.1	2490	5.275	11605	20.775	19995
32	3.4	5890	12.15	2510	5.275	11605	20.825	20005
33	3.1	5800	12	2500	5.275	11605	20.375	19905
34	3.1	5800	12.15	2510	5.275	11605	20.525	19915
35	3.4	5900	12	2500	5.275	11605	20.675	20005
36	3.1	5800	12.4	2510	5.275	11605	20.775	19915
37	3.1	5800	12.4	2510	5.275	11605	20.775	19915
38	3.1	5740	12.1	2470	5.275	11605	20.475	19815
39	3.15	5810	12.1	2430	5.275	11605	20.525	19845
40					5.275	11605	5.275	11605
41								
42								
43								
Total	122.9	225620	472.65	118851	211.00	464200	806.55	808671

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5-136 PERFORMED BY: [illegible]

DATE: 01/1/100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5770	12.10	2490				
2	3.40	5890	12.40	2570				
3	3.40	5900	12.15	2510				
4	3.40	5870	12.00	2540				
5	3.40	5900	12.10	2490				
6	3.40	5890	12.15	2510				
7	3.10	5800	12.00	2500				
8	3.10	5800	12.15	2510				
9	3.40	5900	12.00	2500				
10	3.10	5800	12.40	2510				
11	3.10	5800	12.40	2510				
12	3.10	5740	12.10	2470				
13	3.15	5810	12.10	2430				
14								
15								
16								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5136 PERFORMED BY: [illegible]

DATE: 01/11/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5760	12.15	2540				
21	3.10	5720	12.15	2590				
22	3.10	5740	12.10	2470				
23	3.10	5710	12.15	2560				
24	3.15	5860	12.15	2420				
25	3.10	5720	12.10	2440				
26	3.10	5740	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5-136 PERFORMED BY: Howard

DATE: 01/12/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

2434 Mn. 50

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2470				
2	3.15	5820	12.20	2560				
3	3.10	5720	11.90	2380				
4	3.10	5740	12.10	2410				
5	3.15	5820	12.10	2440				
6	3.10	5760	12	2400				
7	3.10	5720	12.10	2440				
8	3.15	5810	12.10	2460				
9	3.10	5790	12.10	2410				
10	3.15	5820	12.20	2530				
11	3.10	5720	12	2400				
12	3.10	5780	12.25	2610				
13	3.10	5790	12.10	2440				
14	3.10	5740	12	2400				
15	3.15	5820	12.10	2460				
16	3.15	5750	12.20	2570				
17	2.90	5670	11.75	2340				
18	3.10	5710	12.20	2570				
19	3.10	5770	12.10	2480				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S136	1/12/00	1/12/00	0		30.07
		1/13/00	1	32.47	43.03
		1/14/00	2	57.23	51.60
		1/15/00	3	59.23	51.37
		1/16/00	4	62.07	47.80
		1/17/00	5	52.60	51.03
		1/18/00	6	53.57	49.67
		1/19/00	7	66.13	56.00
		1/20/00	8	59.67	53.20
		1/27/00	15		52.10
		1/28/00	16	62.37	48.53
		1/29/00	17	57.80	51.53
		1/30/00	18	61.07	58.23

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S136	1/12/00	1/12/00	0		5.63
		1/13/00	1	10.33	14.20
		1/14/00	2	14.93	17.63
		1/15/00	3	18.10	13.73
		1/16/00	4	18.97	18.03
		1/17/00	5	16.80	15.93
		1/18/00	6	18.37	17.97
		1/19/00	7	19.00	16.10
		1/20/00	8	18.77	19.07
		1/27/00	15		14.03
		1/28/00	16	3.83	19.67
		1/29/00	17	5.57	11.57
		1/30/00	18	18.33	18.83

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S136	1/12/00	1/12/00	0		50.12
		1/15/00	3		41.52
		1/16/00	4		50.76
		1/18/00	6		34.36
		1/19/00	7		52.30
		1/28/00	16		52.66

All average MWHC values are expressed in percent

Windrow Number: S136 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	01/12/00	01/21/00	9	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
135TNB	01/12/00	01/21/00	9	05	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 05 :		*242*
135TNB	01/12/00	01/21/00	9	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
135TNB	01/12/00	01/21/00	9	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
135TNB	01/12/00	01/21/00	9	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 9 : ***248***

Standard Deviation: ***4***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	01/12/00	01/31/00	19	03	1	LT	250
					2	LT	192
					3	LT	208
					Average Concentration for Cross Section 03 :		*217*
135TNB	01/12/00	01/31/00	19	05	1	LT	238
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 05 :		*227*
135TNB	01/12/00	01/31/00	19	07	1	LT	200
					2	LT	227
					3	LT	217
					Average Concentration for Cross Section 07 :		*215*
135TNB	01/12/00	01/31/00	19	09	1		106 J
					2	LT	250
					3	LT	217
					Average Concentration for Cross Section 09 :		*191*
135TNB	01/12/00	01/31/00	19	11	1	LT	217
					2	LT	208
					3	LT	227
					Average Concentration for Cross Section 11 :		*217*

Average Concentration for Windrow on Day 19 : ***213***

Standard Deviation: ***34***

Percent Reduction of 135TNB: 14.09%

Windrow Number: S136 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	01/12/00	01/21/00	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
13DNB	01/12/00	01/21/00	9	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
13DNB	01/12/00	01/21/00	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
13DNB	01/12/00	01/21/00	9	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
13DNB	01/12/00	01/21/00	9	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 9 : 248

Standard Deviation: 4

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	01/12/00	01/31/00	19	03	1	LT	250
					2	LT	192
					3	LT	208
				Average Concentration for Cross Section 03 :			*217*
13DNB	01/12/00	01/31/00	19	05	1	LT	238
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 05 :			*227*
13DNB	01/12/00	01/31/00	19	07	1	LT	200
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 07 :			*215*
13DNB	01/12/00	01/31/00	19	09	1	LT	200
					2	LT	250
					3	LT	217
				Average Concentration for Cross Section 09 :			*222*
13DNB	01/12/00	01/31/00	19	11	1	LT	217
					2	LT	208
					3	LT	227
				Average Concentration for Cross Section 11 :			*217*

Average Concentration for Windrow on Day 19 : 220

Standard Deviation: 17

Percent Reduction of 13DNB: 11.57%

Windrow Number: S136 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	01/12/00	01/21/00	9	03	1	LT 250	
					2	2000	
					3	LT 250	
					Average Concentration for Cross Section 03 :		*833*
246TNT	01/12/00	01/21/00	9	05	1	382	
					2	493	
					3	1230000	
					Average Concentration for Cross Section 05 :		*410292*
246TNT	01/12/00	01/21/00	9	07	1	LT 250	
					2	LT 250	
					3	LT 250	
					Average Concentration for Cross Section 07 :		*250*
246TNT	01/12/00	01/21/00	9	09	1	389	
					2	493	
					3	LT 250	
					Average Concentration for Cross Section 09 :		*377*
246TNT	01/12/00	01/21/00	9	11	1	LT 250	
					2	2880	
					3	1340	
					Average Concentration for Cross Section 11 :		*1490*

Average Concentration for Windrow on Day 9 : 82648

Standard Deviation: 317406

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	01/12/00	01/31/00	19	03	1	173 J	
					2	1050	
					3	38900	
					Average Concentration for Cross Section 03 :		*13374*
246TNT	01/12/00	01/31/00	19	05	1	486	
					2	23900	
					3	244	
					Average Concentration for Cross Section 05 :		*8210*
246TNT	01/12/00	01/31/00	19	07	1	LT 200	
					2	LT 227	
					3	LT 217	
					Average Concentration for Cross Section 07 :		*215*
246TNT	01/12/00	01/31/00	19	09	1	428	
					2	25700	
					3	22500	
					Average Concentration for Cross Section 09 :		*16209*
246TNT	01/12/00	01/31/00	19	11	1	LT 217	
					2	LT 208	
					3	LT 227	
					Average Concentration for Cross Section 11 :		*217*

Average Concentration for Windrow on Day 19 : 7645

Standard Deviation: 13028

Percent Reduction of 246TNT: 90.75%

Windrow Number: S136 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	01/12/00	01/21/00	9	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
24DNT	01/12/00	01/21/00	9	05	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 05 :		*242*
24DNT	01/12/00	01/21/00	9	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
24DNT	01/12/00	01/21/00	9	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
24DNT	01/12/00	01/21/00	9	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 9 : 248

Standard Deviation: 4

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	01/12/00	01/31/00	19	03	1	LT	250
					2	LT	192
					3	LT	208
					Average Concentration for Cross Section 03 :		*217*
24DNT	01/12/00	01/31/00	19	05	1	LT	238
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 05 :		*227*
24DNT	01/12/00	01/31/00	19	07	1	LT	200
					2	LT	227
					3	LT	217
					Average Concentration for Cross Section 07 :		*215*
24DNT	01/12/00	01/31/00	19	09	1	LT	200
					2	LT	250
					3	LT	217
					Average Concentration for Cross Section 09 :		*222*
24DNT	01/12/00	01/31/00	19	11	1	LT	217
					2	LT	208
					3	LT	227
					Average Concentration for Cross Section 11 :		*217*

Average Concentration for Windrow on Day 19 : 220

Standard Deviation: 17

Percent Reduction of 24DNT: 11.57%

Windrow Number: S136 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	01/12/00	01/21/00	9	03	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 03 :			*260*
26DNT	01/12/00	01/21/00	9	05	1	LT	260
					2	LT	248
					3	LT	248
				Average Concentration for Cross Section 05 :			*252*
26DNT	01/12/00	01/21/00	9	07	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 07 :			*260*
26DNT	01/12/00	01/21/00	9	09	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 09 :			*260*
26DNT	01/12/00	01/21/00	9	11	1	LT	260
					2	LT	260
					3	LT	260
				Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 9 : 258

Standard Deviation: 4

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	01/12/00	01/31/00	19	03	1	LT	260
					2	LT	200
					3	LT	217
				Average Concentration for Cross Section 03 :			*226*
26DNT	01/12/00	01/31/00	19	05	1	LT	248
					2	LT	226
					3	LT	236
				Average Concentration for Cross Section 05 :			*237*
26DNT	01/12/00	01/31/00	19	07	1	LT	208
					2	LT	236
					3	LT	226
				Average Concentration for Cross Section 07 :			*223*
26DNT	01/12/00	01/31/00	19	09	1	LT	208
					2	LT	260
					3	LT	226
				Average Concentration for Cross Section 09 :			*231*
26DNT	01/12/00	01/31/00	19	11	1	LT	226
					2	LT	217
					3	LT	236
				Average Concentration for Cross Section 11 :			*226*

Average Concentration for Windrow on Day 19 : 229

Standard Deviation: 18

Percent Reduction of 26DNT: 11.51%

Windrow Number: S136 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	01/12/00	01/21/00	9	03	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*250*
2A46DT	01/12/00	01/21/00	9	05	1	LT	250	
					2	LT	238	
					3		4460	
					Average Concentration for Cross Section 05 :			*1649*
2A46DT	01/12/00	01/21/00	9	07	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*250*
2A46DT	01/12/00	01/21/00	9	09	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 09 :			*250*
2A46DT	01/12/00	01/21/00	9	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*250*
					Average Concentration for Windrow on Day 9 :			***530***
					Standard Deviation:			***1087***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	01/12/00	01/31/00	19	03	1	LT	250	
					2		136 J	
					3	LT	208	
					Average Concentration for Cross Section 03 :			*198*
2A46DT	01/12/00	01/31/00	19	05	1	LT	238	
					2		328	
					3	LT	227	
					Average Concentration for Cross Section 05 :			*264*
2A46DT	01/12/00	01/31/00	19	07	1	LT	200	
					2	LT	227	
					3	LT	217	
					Average Concentration for Cross Section 07 :			*215*
2A46DT	01/12/00	01/31/00	19	09	1	LT	200	
					2	LT	250	
					3	LT	217	
					Average Concentration for Cross Section 09 :			*222*
2A46DT	01/12/00	01/31/00	19	11	1	LT	217	
					2	LT	208	
					3	LT	227	
					Average Concentration for Cross Section 11 :			*217*
					Average Concentration for Windrow on Day 19 :			***223***
					Standard Deviation:			***40***

Percent Reduction of 2A46DT: 57.85%

Windrow Number: S136 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	01/12/00	01/21/00	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
2NT	01/12/00	01/21/00	9	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
2NT	01/12/00	01/21/00	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
2NT	01/12/00	01/21/00	9	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
2NT	01/12/00	01/21/00	9	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 9 : 248

Standard Deviation: 4

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	01/12/00	01/31/00	19	03	1	LT	250
					2	LT	192
					3	LT	208
				Average Concentration for Cross Section 03 :			*217*
2NT	01/12/00	01/31/00	19	05	1	LT	238
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 05 :			*227*
2NT	01/12/00	01/31/00	19	07	1	LT	200
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 07 :			*215*
2NT	01/12/00	01/31/00	19	09	1	LT	200
					2	LT	250
					3	LT	217
				Average Concentration for Cross Section 09 :			*222*
2NT	01/12/00	01/31/00	19	11	1	LT	217
					2	LT	208
					3	LT	227
				Average Concentration for Cross Section 11 :			*217*

Average Concentration for Windrow on Day 19 : 220

Standard Deviation: 17

Percent Reduction of 2NT: 11.57%

Windrow Number: S136 **3-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	01/12/00	01/21/00	9	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
3NT	01/12/00	01/21/00	9	05	1	LT	250
					2	LT	238
					3	LT	238
					Average Concentration for Cross Section 05 :		*242*
3NT	01/12/00	01/21/00	9	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
3NT	01/12/00	01/21/00	9	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
3NT	01/12/00	01/21/00	9	11	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 11 :		*250*

Average Concentration for Windrow on Day 9 : ***248***

Standard Deviation: *4*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	01/12/00	01/31/00	19	03	1	LT	250
					2	LT	192
					3	LT	208
					Average Concentration for Cross Section 03 :		*217*
3NT	01/12/00	01/31/00	19	05	1	LT	238
					2	LT	217
					3	LT	227
					Average Concentration for Cross Section 05 :		*227*
3NT	01/12/00	01/31/00	19	07	1	LT	200
					2	LT	227
					3	LT	217
					Average Concentration for Cross Section 07 :		*215*
3NT	01/12/00	01/31/00	19	09	1	LT	200
					2	LT	250
					3	LT	217
					Average Concentration for Cross Section 09 :		*222*
3NT	01/12/00	01/31/00	19	11	1	LT	217
					2	LT	208
					3	LT	227
					Average Concentration for Cross Section 11 :		*217*

Average Concentration for Windrow on Day 19 : ***220***

Standard Deviation: *17*

Percent Reduction of 3NT: 11.57%

Windrow Number: S136 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	01/12/00	01/21/00	9	03	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 03 :		*250*
4A26DT	01/12/00	01/21/00	9	05	1	LT	250
					2		1530
					3	LT	238
					Average Concentration for Cross Section 05 :		*673*
4A26DT	01/12/00	01/21/00	9	07	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 07 :		*250*
4A26DT	01/12/00	01/21/00	9	09	1	LT	250
					2	LT	250
					3	LT	250
					Average Concentration for Cross Section 09 :		*250*
4A26DT	01/12/00	01/21/00	9	11	1	LT	250
					2	LT	1020
					3		567
					Average Concentration for Cross Section 11 :		*612*
					Average Concentration for Windrow on Day 9 :		***407***
					Standard Deviation:		*374*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	01/12/00	01/31/00	19	03	1	LT	250
					2		241
					3	LT	208
					Average Concentration for Cross Section 03 :		*233*
4A26DT	01/12/00	01/31/00	19	05	1		194 J
					2		399
					3	LT	227
					Average Concentration for Cross Section 05 :		*273*
4A26DT	01/12/00	01/31/00	19	07	1		134 J
					2		104 J
					3	LT	217
					Average Concentration for Cross Section 07 :		*152*
4A26DT	01/12/00	01/31/00	19	09	1		232
					2		238 J
					3		239
					Average Concentration for Cross Section 09 :		*236*
4A26DT	01/12/00	01/31/00	19	11	1	LT	217
					2		294
					3		316
					Average Concentration for Cross Section 11 :		*276*
					Average Concentration for Windrow on Day 19 :		***234***
					Standard Deviation:		*70*

Percent Reduction of 4A26DT: 42.51%

Windrow Number: S136 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	01/12/00	01/21/00	9	03	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 03 :			*250*
4NT	01/12/00	01/21/00	9	05	1	LT	250
					2	LT	238
					3	LT	238
				Average Concentration for Cross Section 05 :			*242*
4NT	01/12/00	01/21/00	9	07	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 07 :			*250*
4NT	01/12/00	01/21/00	9	09	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 09 :			*250*
4NT	01/12/00	01/21/00	9	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 9 : 248

Standard Deviation: 4

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	01/12/00	01/31/00	19	03	1	LT	250
					2	LT	192
					3	LT	208
				Average Concentration for Cross Section 03 :			*217*
4NT	01/12/00	01/31/00	19	05	1	LT	238
					2	LT	217
					3	LT	227
				Average Concentration for Cross Section 05 :			*227*
4NT	01/12/00	01/31/00	19	07	1	LT	200
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 07 :			*215*
4NT	01/12/00	01/31/00	19	09	1	LT	200
					2	LT	250
					3	LT	217
				Average Concentration for Cross Section 09 :			*222*
4NT	01/12/00	01/31/00	19	11	1	LT	217
					2	LT	208
					3	LT	227
				Average Concentration for Cross Section 11 :			*217*

Average Concentration for Windrow on Day 19 : 220

Standard Deviation: 17

Percent Reduction of 4NT: 11.57%

Windrow Number: S136 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	01/12/00	01/21/00	9	03	1	LT	2200
					2		1280 J
					3	LT	2200
					Average Concentration for Cross Section 03 :		*1893*
HMX	01/12/00	01/21/00	9	05	1		4090
					2		5750
					3	LT	172000
					Average Concentration for Cross Section 05 :		*60613*
HMX	01/12/00	01/21/00	9	07	1		1350 J
					2	LT	2200
					3		1720 J
					Average Concentration for Cross Section 07 :		*1757*
HMX	01/12/00	01/21/00	9	09	1		1650 J
					2	LT	2200
					3	LT	2200
					Average Concentration for Cross Section 09 :		*2017*
HMX	01/12/00	01/21/00	9	11	1	LT	2200
					2	LT	5270
					3		4180
					Average Concentration for Cross Section 11 :		*3883*

Average Concentration for Windrow on Day 9 : 14033

Standard Deviation: 43723

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	01/12/00	01/31/00	19	03	1	LT	2200
					2		1270 J
					3	LT	1430
					Average Concentration for Cross Section 03 :		*1633*
HMX	01/12/00	01/31/00	19	05	1	LT	2100
					2	LT	2140
					3	LT	2000
					Average Concentration for Cross Section 05 :		*2080*
HMX	01/12/00	01/31/00	19	07	1	LT	1760
					2	LT	2000
					3	LT	1910
					Average Concentration for Cross Section 07 :		*1890*
HMX	01/12/00	01/31/00	19	09	1		2420
					2	LT	1360
					3	LT	1220
					Average Concentration for Cross Section 09 :		*1667*
HMX	01/12/00	01/31/00	19	11	1	LT	1910
					2	LT	1830
					3	LT	2000
					Average Concentration for Cross Section 11 :		*1913*

Average Concentration for Windrow on Day 19 : 1837

Standard Deviation: 361

Percent Reduction of HMX: 86.91%

Windrow Number: S136 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	01/12/00	01/21/00	9	03	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 03 :		*260*
NB	01/12/00	01/21/00	9	05	1	LT	260
					2	LT	248
					3	LT	248
					Average Concentration for Cross Section 05 :		*252*
NB	01/12/00	01/21/00	9	07	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 07 :		*260*
NB	01/12/00	01/21/00	9	09	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 09 :		*260*
NB	01/12/00	01/21/00	9	11	1	LT	260
					2	LT	260
					3	LT	260
					Average Concentration for Cross Section 11 :		*260*

Average Concentration for Windrow on Day 9 : 258

Standard Deviation: 4

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	01/12/00	01/31/00	19	03	1	LT	260
					2	LT	200
					3	LT	217
					Average Concentration for Cross Section 03 :		*226*
NB	01/12/00	01/31/00	19	05	1	LT	248
					2	LT	226
					3	LT	236
					Average Concentration for Cross Section 05 :		*237*
NB	01/12/00	01/31/00	19	07	1	LT	208
					2	LT	236
					3	LT	226
					Average Concentration for Cross Section 07 :		*223*
NB	01/12/00	01/31/00	19	09	1	LT	208
					2	LT	260
					3	LT	226
					Average Concentration for Cross Section 09 :		*231*
NB	01/12/00	01/31/00	19	11	1	LT	226
					2	LT	217
					3	LT	236
					Average Concentration for Cross Section 11 :		*226*

Average Concentration for Windrow on Day 19 : 229

Standard Deviation: 18

Percent Reduction of NB: 11.51%

Windrow Number: S136 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	01/12/00	01/21/00	9	03	1	7910	
					2	3910	
					3	6460	
					Average Concentration for Cross Section 03 :		*6093*
RDX	01/12/00	01/21/00	9	05	1	6580	
					2	24200	
					3	1540000	
					Average Concentration for Cross Section 05 :		*523593*
RDX	01/12/00	01/21/00	9	07	1	2620	
					2	LT 1000	
					3	3060	
					Average Concentration for Cross Section 07 :		*2227*
RDX	01/12/00	01/21/00	9	09	1	19600	
					2	5530	
					3	1770	
					Average Concentration for Cross Section 09 :		*8967*
RDX	01/12/00	01/21/00	9	11	1	4700	
					2	30500	
					3	21400	
					Average Concentration for Cross Section 11 :		*18867*

Average Concentration for Windrow on Day 9 : 111949

Standard Deviation: 395168

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	01/12/00	01/31/00	19	03	1	11900	
					2	5570	
					3	LT 2800	
					Average Concentration for Cross Section 03 :		*6757*
RDX	01/12/00	01/31/00	19	05	1	3010	
					2	8960	
					3	5060	
					Average Concentration for Cross Section 05 :		*5677*
RDX	01/12/00	01/31/00	19	07	1	1450	
					2	1030	
					3	1050	
					Average Concentration for Cross Section 07 :		*1177*
RDX	01/12/00	01/31/00	19	09	1	4960	
					2	8210	
					3	LT 4250	
					Average Concentration for Cross Section 09 :		*5807*
RDX	01/12/00	01/31/00	19	11	1	730 J	
					2	2140	
					3	2750	
					Average Concentration for Cross Section 11 :		*1873*

Average Concentration for Windrow on Day 19 : 4258

Standard Deviation: 3278

Percent Reduction of RDX: 96.20%

Windrow Number: S136 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	01/12/00	01/21/00	9	03	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 03 :			*650*
TETRYL	01/12/00	01/21/00	9	05	1	LT	650
					2	LT	619
					3	LT	619
				Average Concentration for Cross Section 05 :			*629*
TETRYL	01/12/00	01/21/00	9	07	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 07 :			*650*
TETRYL	01/12/00	01/21/00	9	09	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 09 :			*650*
TETRYL	01/12/00	01/21/00	9	11	1	LT	650
					2	LT	650
					3	LT	650
				Average Concentration for Cross Section 11 :			*650*

Average Concentration for Windrow on Day 9 : ***646***

Standard Deviation: ***11***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	01/12/00	01/31/00	19	03	1	LT	650
					2	LT	500
					3	LT	542
				Average Concentration for Cross Section 03 :			*564*
TETRYL	01/12/00	01/31/00	19	05	1	LT	619
					2	LT	565
					3	LT	591
				Average Concentration for Cross Section 05 :			*592*
TETRYL	01/12/00	01/31/00	19	07	1	LT	520
					2	LT	591
					3	LT	565
				Average Concentration for Cross Section 07 :			*559*
TETRYL	01/12/00	01/31/00	19	09	1	LT	520
					2	LT	650
					3	LT	565
				Average Concentration for Cross Section 09 :			*578*
TETRYL	01/12/00	01/31/00	19	11	1	LT	565
					2	LT	542
					3	LT	591
				Average Concentration for Cross Section 11 :			*566*

Average Concentration for Windrow on Day 19 : ***572***

Standard Deviation: ***45***

Percent Reduction of TETRYL: 11.48%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-137 Day 0: 1/13/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5720	12.1	2480	5.275	11605	20.475	19805
2	3.1	5760	12.1	2430	5.275	11605	20.475	19795
3	3.15	5810	12.1	2570	5.275	11605	20.525	19985
4	3.15	5840	12.1	2420	5.275	11605	20.525	19865
5	3	5700	12.1	2490	5.275	11605	20.375	19795
6	3.1	5750	11.9	2370	5.275	11605	20.275	19725
7	3.15	5850	12.1	2440	5.275	11605	20.525	19895
8	3.1	5720	12.15	2540	5.275	11605	20.525	19865
9	3.1	5730	12.1	2490	5.275	11605	20.475	19825
10	3.15	5810	12.1	2480	5.275	11605	20.525	19895
11	3	5700	123.15	2550	5.275	11605	131.425	19855
12	3.1	5790	12.2	2620	5.275	11605	20.575	20015
13	3.1	5710	12.1	2430	5.275	11605	20.475	19745
14	3.15	5840	12.1	2420	5.275	11605	20.525	19865
15	3.15	5820	12.2	2600	5.275	11605	20.625	20025
16	3.1	5740	12.1	2470	5.275	11605	20.475	19815
17	3.1	5780	12	2410	5.275	11605	20.375	19795
18	3.1	5790	12.1	2610	5.275	11605	20.475	20005
19	3	5700	12.1	2460	5.275	11605	20.375	19765
20	3.2	5820	12.1	2490	5.275	11605	20.575	19915
21	3.1	5800	12.15	2500	5.275	11605	20.525	19905
22	3.2	5820	12.1	2490	5.275	11605	20.575	19915
23	3.1	5810	12.2	2510	5.275	11605	20.575	19925
24	3.1	5800	12.15	2500	5.275	11605	20.525	19905
25	3.15	5820	12.1	2490	5.275	11605	20.525	19915
26	3.1	5810	12.25	2520	5.275	11605	20.625	19935
27	3.15	5860	12.1	2470	5.275	11605	20.525	19935
28	3.1	5740	12	2400	5.275	11605	20.375	19745
29	3	5700	12.1	2450	5.275	11605	20.375	19755
30	3.1	5730	12.1	2450	5.275	11605	20.475	19785
31	3.15	5820	12.1	2490	5.275	11605	20.525	19915
32	3.1	5750	12.1	2470	5.275	11605	20.475	19825
33	3.1	5790	12.15	2560	5.275	11605	20.525	19955
34	3	5700	12.1	2440	5.275	11605	20.375	19745
35	3.15	5820	12.1	2410	5.275	11605	20.525	19835
36	3	5700	12.15	2520	5.275	11605	20.425	19825
37	3.15	5860	12	2400	5.275	11605	20.425	19865
38	3.1	5760	12.1	2440	5.275	11605	20.475	19805
39	3	5700	12.1	2490	5.275	11605	20.375	19795
40					5.275	11605	5.275	11605
41								
42								
43								
Total	120.95	225170	583.15	96770	211.00	464200	915.1	786140

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M-137 PERFORMED BY: Howard

DATE: 01/12/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5720	12.10	2480				
2	3.10	5760	12.10	2430				
3	3.15	5810	12.10	2570				
4	3.15	5840	12.10	2420				
5	3	5700	12.10	2490				
6	3.10	5750	11.90	2370				
7	3.15	5850	12.10	2440				
8	3.10	5720	12.15	2540				
9	3.10	5730	12.10	2490				
10	3.15	5810	12.10	2480				
11	3	5700	12.15	2550				
12	3.10	5790	12.20	2620				
13	3.10	5710	12.10	2430				
14	3.15	5840	12.10	2420				
15	3.15	5820	12.20	2600				
16	3.10	5740	12.10	2470				
17	3.10	5780	12	2410				
18	3.10	5790	12.10	2620				
19	3	5700	12.10	2460				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M136 PERFORMED BY: _____

DATE: 1/12/00 INSPECTED BY: [illegible]

Design Quantity: Chicken Manure 8 CY 5200 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Prod		STRAW Supplier: Loudenville Grass		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.20	5820	12.10	2490				
2	3.10	5800	12.15	2500				
3	3.20	5820	12.10	2490				
4	3.10	5810	12.20	2510				
5	3.10	5800	12.15	2500				
6	3.15	5820	12.10	2490				
7	3.10	5810	12.25	2520				
8	3.15	5860	12.10	2490				
9	3.10	5740	12.	2400				
10	3	5700	12.10	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M-137 PERFORMED BY: Idowan d

DATE: 01/13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
30	3.10	5736		12.10	2450			
31	3.15	5820		12.10	2490			
32	3.10	5750		12.10	2470			
33	3.10	5790		12.15	2560			
34	3	5700		12.10	2440			
35	3.15	5820		1210	2410.			
36	3	5800		12.15	2520			
37	3.15	5860		12	2400			
38	3.10	5760		12.10	2440			
39	3	5700		12.10	2490			
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M137	1/13/00	1/13/00	0		19.60
		1/14/00	1	33.73	31.50
		1/15/00	2	48.27	41.43
		1/16/00	3	51.80	46.10
		1/17/00	4	51.90	49.67
		1/18/00	5	53.07	49.70
		1/19/00	6	57.67	52.23
		1/21/00	8	61.40	51.67
		1/22/00	9	54.80	50.77
		1/23/00	10	59.73	41.23

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M137	1/13/00	1/13/00	0		10.03
		1/14/00	1	11.83	16.47
		1/15/00	2	18.73	14.97
		1/16/00	3	18.89	16.10
		1/17/00	4	14.33	15.17
		1/18/00	5	18.97	18.70
		1/19/00	6	18.57	14.70
		1/21/00	8	16.83	15.90
		1/22/00	9	14.40	14.53
		1/23/00	10	13.70	13.97

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M137	1/13/00	1/13/00	0		50.46
		1/15/00	2		56.18
		1/18/00	5		46.84
		1/21/00	8		47.80

All average MWHC values are expressed in percent

Windrow Number: M137 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	01/13/00	01/24/00	11	03	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*231*
135TNB	01/13/00	01/24/00	11	05	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
135TNB	01/13/00	01/24/00	11	07	1	LT	217	
					2	LT	208	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*221*
135TNB	01/13/00	01/24/00	11	09	1	LT	217	
					2	LT	227	
					3	LT	227	
				Average Concentration for Cross Section 09 :				*224*
135TNB	01/13/00	01/24/00	11	11	1	LT	227	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 11 : 232

Standard Deviation: 13

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M137 **1,3-DINITROBENZENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	01/13/00	01/24/00	11	03	1	LT	227	
					2	LT	227	
					3	LT	238	
					Average Concentration for Cross Section 03 :			*231*
13DNB	01/13/00	01/24/00	11	05	1	LT	250	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*246*
13DNB	01/13/00	01/24/00	11	07	1	LT	217	
					2	LT	208	
					3	LT	238	
					Average Concentration for Cross Section 07 :			*221*
13DNB	01/13/00	01/24/00	11	09	1	LT	217	
					2	LT	227	
					3	LT	227	
					Average Concentration for Cross Section 09 :			*224*
13DNB	01/13/00	01/24/00	11	11	1	LT	227	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 11 : 232

Standard Deviation: 13

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M137 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
246TNT	01/13/00	01/24/00	11	03	1	311	
					2	819	
					3	334	
				Average Concentration for Cross Section 03 :			*488*
246TNT	01/13/00	01/24/00	11	05	1	LT 250	
					2	LT 238	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*246*
246TNT	01/13/00	01/24/00	11	07	1	LT 217	
					2	LT 208	
					3	LT 238	
				Average Concentration for Cross Section 07 :			*221*
246TNT	01/13/00	01/24/00	11	09	1	LT 217	
					2	LT 227	
					3	LT 227	
				Average Concentration for Cross Section 09 :			*224*
246TNT	01/13/00	01/24/00	11	11	1	LT 227	
					2	5390	
					3	669	
				Average Concentration for Cross Section 11 :			*2095*

Average Concentration for Windrow on Day 11 : ***655***

Standard Deviation: ***1322***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M137 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	01/13/00	01/24/00	11	03	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*231*
24DNT	01/13/00	01/24/00	11	05	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
24DNT	01/13/00	01/24/00	11	07	1	LT	217	
					2	LT	208	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*221*
24DNT	01/13/00	01/24/00	11	09	1	LT	217	
					2	LT	227	
					3	LT	227	
				Average Concentration for Cross Section 09 :				*224*
24DNT	01/13/00	01/24/00	11	11	1	LT	227	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 11 : 232

Standard Deviation: 13

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M137 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	01/13/00	01/24/00	11	03	1	LT	236
					2	LT	236
					3	LT	248
				Average Concentration for Cross Section 03 :			*240*
26DNT	01/13/00	01/24/00	11	05	1	LT	260
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 05 :			*256*
26DNT	01/13/00	01/24/00	11	07	1	LT	226
					2	LT	217
					3	LT	248
				Average Concentration for Cross Section 07 :			*230*
26DNT	01/13/00	01/24/00	11	09	1	LT	226
					2	LT	236
					3	LT	236
				Average Concentration for Cross Section 09 :			*233*
26DNT	01/13/00	01/24/00	11	11	1	LT	236
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 11 :			*248*

Average Concentration for Windrow on Day 11 : ***241***

Standard Deviation: ***13***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M137 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	01/13/00	01/24/00	11	03	1	LT	227	
					2	LT	227	
					3	LT	238	
				Average Concentration for Cross Section 03 :				*231*
2A46DT	01/13/00	01/24/00	11	05	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*246*
2A46DT	01/13/00	01/24/00	11	07	1	LT	217	
					2	LT	208	
					3	LT	238	
				Average Concentration for Cross Section 07 :				*221*
2A46DT	01/13/00	01/24/00	11	09	1	LT	217	
					2	LT	227	
					3	LT	227	
				Average Concentration for Cross Section 09 :				*224*
2A46DT	01/13/00	01/24/00	11	11	1	LT	227	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*238*

Average Concentration for Windrow on Day 11 : 232

Standard Deviation: 13

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M137 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	01/13/00	01/24/00	11	03	1	LT	227
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 03 :			*231*
2NT	01/13/00	01/24/00	11	05	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*246*
2NT	01/13/00	01/24/00	11	07	1	LT	217
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 07 :			*221*
2NT	01/13/00	01/24/00	11	09	1	LT	217
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 09 :			*224*
2NT	01/13/00	01/24/00	11	11	1	LT	227
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 11 : ***232***

Standard Deviation: *13*

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M137 **3-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	01/13/00	01/24/00	11	03	1	LT	227
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 03 :			*231*
3NT	01/13/00	01/24/00	11	05	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*246*
3NT	01/13/00	01/24/00	11	07	1	LT	217
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 07 :			*221*
3NT	01/13/00	01/24/00	11	09	1	LT	217
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 09 :			*224*
3NT	01/13/00	01/24/00	11	11	1	LT	227
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 11 : 232

Standard Deviation: 13

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M137 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	01/13/00	01/24/00	11	03	1	LT	227
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 03 :			*231*
4A26DT	01/13/00	01/24/00	11	05	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*246*
4A26DT	01/13/00	01/24/00	11	07	1	LT	217
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 07 :			*221*
4A26DT	01/13/00	01/24/00	11	09	1	LT	217
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 09 :			*224*
4A26DT	01/13/00	01/24/00	11	11	1	LT	227
					2		649
					3		421
				Average Concentration for Cross Section 11 :			*432*

Average Concentration for Windrow on Day 11 : ***271***

Standard Deviation: ***116***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M137 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	01/13/00	01/24/00	11	03	1	LT	227
					2	LT	227
					3	LT	238
				Average Concentration for Cross Section 03 :			*231*
4NT	01/13/00	01/24/00	11	05	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 05 :			*246*
4NT	01/13/00	01/24/00	11	07	1	LT	217
					2	LT	208
					3	LT	238
				Average Concentration for Cross Section 07 :			*221*
4NT	01/13/00	01/24/00	11	09	1	LT	217
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 09 :			*224*
4NT	01/13/00	01/24/00	11	11	1	LT	227
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*238*

Average Concentration for Windrow on Day 11 : 232

Standard Deviation: 13

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M137 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	01/13/00	01/24/00	11	03	1	LT	2000	
					2	LT	2000	
					3	LT	2100	
				Average Concentration for Cross Section 03 :				*2033*
HMX	01/13/00	01/24/00	11	05	1	LT	2200	
					2	LT	2100	
					3	LT	2200	
				Average Concentration for Cross Section 05 :				*2167*
HMX	01/13/00	01/24/00	11	07	1	LT	1910	
					2		2880	
					3		1640 J	
				Average Concentration for Cross Section 07 :				*2143*
HMX	01/13/00	01/24/00	11	09	1	LT	1910	
					2		1560 J	
					3	LT	2000	
				Average Concentration for Cross Section 09 :				*1823*
HMX	01/13/00	01/24/00	11	11	1	LT	2000	
					2		2970	
					3		2040 J	
				Average Concentration for Cross Section 11 :				*2337*

Average Concentration for Windrow on Day 11 : 2101

Standard Deviation: 378

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M137 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	01/13/00	01/24/00	11	03	1	LT	236	
					2	LT	236	
					3	LT	248	
					Average Concentration for Cross Section 03 :			*240*
NB	01/13/00	01/24/00	11	05	1	LT	260	
					2	LT	248	
					3	LT	260	
					Average Concentration for Cross Section 05 :			*256*
NB	01/13/00	01/24/00	11	07	1	LT	226	
					2	LT	217	
					3	LT	248	
					Average Concentration for Cross Section 07 :			*230*
NB	01/13/00	01/24/00	11	09	1	LT	226	
					2	LT	236	
					3	LT	236	
					Average Concentration for Cross Section 09 :			*233*
NB	01/13/00	01/24/00	11	11	1	LT	236	
					2	LT	248	
					3	LT	260	
					Average Concentration for Cross Section 11 :			*248*

Average Concentration for Windrow on Day 11 : 241

Standard Deviation: 13

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M137 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
RDX	01/13/00	01/24/00	11	03	1		621 J	
					2		681 J	
					3		1180	
				Average Concentration for Cross Section 03 :				*827*
RDX	01/13/00	01/24/00	11	05	1	LT	1000	
					2	LT	952	
					3		2950	
				Average Concentration for Cross Section 05 :				*1634*
RDX	01/13/00	01/24/00	11	07	1	LT	870	
					2		422 J	
					3		2240	
				Average Concentration for Cross Section 07 :				*1177*
RDX	01/13/00	01/24/00	11	09	1		494 J	
					2		4640	
					3	LT	909	
				Average Concentration for Cross Section 09 :				*2014*
RDX	01/13/00	01/24/00	11	11	1	LT	909	
					2		19400	
					3		6050	
				Average Concentration for Cross Section 11 :				*8786*

Average Concentration for Windrow on Day 11 : 2888

Standard Deviation: 4856

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M137 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	01/13/00	01/24/00	11	03	1	LT	591
					2	LT	591
					3	LT	619
				Average Concentration for Cross Section 03 :			*600*
TETRYL	01/13/00	01/24/00	11	05	1	LT	650
					2	LT	619
					3	LT	650
				Average Concentration for Cross Section 05 :			*640*
TETRYL	01/13/00	01/24/00	11	07	1	LT	565
					2	LT	542
					3	LT	619
				Average Concentration for Cross Section 07 :			*575*
TETRYL	01/13/00	01/24/00	11	09	1	LT	565
					2	LT	591
					3	LT	591
				Average Concentration for Cross Section 09 :			*582*
TETRYL	01/13/00	01/24/00	11	11	1	LT	591
					2	LT	619
					3	LT	650
				Average Concentration for Cross Section 11 :			*620*

Average Concentration for Windrow on Day 11 : 604

Standard Deviation: 33

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-138 Day 0: 1/17/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5770	12.1	2450	5.275	11605	20.475	19825
2	3.1	5790	12.15	2540	5.275	11605	20.525	19935
3	3.1	5740	12.1	2470	5.275	11605	20.475	19815
4	3.1	5820	12.15	2580	5.275	11605	20.525	20005
5	3.1	5730	12.15	2500	5.275	11605	20.525	19835
6	3.1	5710	12.1	2490	5.275	11605	20.475	19805
7	3.15	5820	12.1	2450	5.275	11605	20.525	19875
8	3.1	5730	12.1	2440	5.275	11605	20.475	19775
9	3.1	5450	12	2460	5.275	11605	20.375	19515
10	3.15	5840	12.1	2430	5.275	11605	20.525	19875
11	3.1	5770	12.1	2460	5.275	11605	20.475	19835
12	3.1	5730	12.1	2480	5.275	11605	20.475	19815
13	3.15	5820	12.1	2410	5.275	11605	20.525	19835
14	3.1	5720	12.1	2490	5.275	11605	20.475	19815
15	3.15	5820	12.15	2540	5.275	11605	20.575	19965
16	3.1	5740	12.1	2470	5.275	11605	20.475	19815
17	3.15	5070	12.15	2550	5.275	11605	20.575	19225
18	3.1	5790	12	2490	5.275	11605	20.375	19885
19	3.25	5840	12.1	2520	5.275	11605	20.625	19965
20	3.15	5840	12.15	2510	5.275	11605	20.575	19955
21	3	5700	12.1	2480	5.275	11605	20.375	19785
22	3.1	5740	12	2410	5.275	11605	20.375	19755
23	3.1	5770	12.1	2450	5.275	11605	20.475	19825
24	3.15	5820	12.1	2490	5.275	11605	20.525	19915
25	3.1	5730	12.1	2450	5.275	11605	20.475	19785
26	2.9	5650	12	2380	5.275	11605	20.175	19635
27	3.75	5870	12.5	2570	5.275	11605	21.525	20045
28	3.75	5800	12.5	2530	5.275	11605	21.525	19935
29	3	5680	12	2410	5.275	11605	20.275	19695
30	3.1	5780	12.4	2500	5.275	11605	20.775	19885
31	3.6	5830	12	2480	5.275	11605	20.875	19915
32	3	5690	12	2370	5.275	11605	20.275	19665
33	3.6	5840	12	2440	5.275	11605	20.875	19885
34	3.1	5770	12	2380	5.275	11605	20.375	19755
35	3.1	5760	12	2460	5.275	11605	20.375	19825
36	3.85	6000	12	2400	5.275	11605	21.125	20005
37	3.75	5900	11.75	2300	5.275	11605	20.775	19805
38	3.1	5710	12.1	2490	5.275	11605	20.475	19805
39	3.1	5740	12.1	2420	5.275	11605	20.475	19765
40	3.15	5820	12.1	2450	5.275	11605	20.525	19875
41								
42								
43								
Total	127.75	230140	483.95	98590	211.00	464200	822.7	792930

702

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M138

PERFORMED BY:

DATE: 1/17/00

INSPECTED BY: [illegible]

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Walsh Valley Produce		STRAW Supplier: Loudoun Milk Farm		SOIL Location: MFS		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	2.90	5650	~~2380~~ 12	2380				
2	3.25	5870	12.50	2570				
3	3.75	5800	12.50	2550				
4	3	5680	12.00	2410				
5	3.10	5780	12.40	2500				
6	3.60	5830	12	2480				
7	3	5690	12	2370				
8	3.60	5840	12.00	2440				
9	3.10	5770	12	2380				
10	3.10	5760	12	2460				
11	3.85	6000	12	2400				
12	8.75	5900	~~[illegible]~~ 11.75	2300				
13	3.10	5710	12.10	2410				
14	3.10	5740	12.10	2420				
15	3.15	5820	12.10	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # m Windrow # m-138 PERFORMED BY: howard

DATE: 01/17/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 23 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5770	12.10	2450				
2	3.10	5790	12.15	2540				
3	3.10	5740	12.10	2470				
4	3.10	5820	12.15	2580				
5	3.10	5730	12.15	2500				
6	3.10	5710	12.10	2490				
7	3.15	5820	12.10	2450				
8	3.10	5730	12.10	2440				
9	3.10	5750	12.	2460				
10	3.15	5840	12.10	2430				
11	3.10	5770	12.10	2460				
12	3.10	5730	12.10	2480				
13	3.15	5820	12.10	2410				
14	3.10	5720	12.10	2490				
15	3.15	5820	12.15	2540				
16	3.10	5740	12.10	2470				
17	3.15	5870	12.15	2550				
18	3.1	5790	12	2490				
19	3.25	5840	12.1	2520				
Total		5						

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M-128 PERFORMED BY: Howard

DATE: 01/17/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5840	12.15	2510				
21	3	5700	12.10	2480				
22	3.10	5740	12	2410				
23	3.10	5770	12.10	2450				
24	3.15	5320	12.10	2490				
25	3.10	5730	12.10	2450				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M138	1/17/00	1/17/00	0		13.30
		1/18/00	1	7.77	9.90
		1/19/00	2	22.27	22.13
		1/20/00	3	43.70	40.63
		1/21/00	4	58.77	42.43
		1/22/00	5	60.73	50.77
		1/23/00	6	59.67	47.70
		1/24/00	7	61.73	53.37
		1/25/00	8	65.90	60.47
		1/26/00	9	60.37	56.03
		1/27/00	10		55.83

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M138	1/17/00	1/17/00	0		18.57
		1/18/00	1	19.00	16.20
		1/19/00	2	18.90	15.47
		1/20/00	3	18.57	18.27
		1/21/00	4	19.70	16.93
		1/22/00	5	9.87	16.10
		1/23/00	6	15.13	16.57
		1/24/00	7	12.33	11.83
		1/25/00	8	9.10	11.57
		1/26/00	9	18.77	19.13
		1/27/00	10		12.13

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M138	1/17/00	1/17/00	0		51.82
		1/21/00	4		45.52
		1/24/00	7		59.80

All average MWHC values are expressed in percent

Windrow Number: M138 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	01/17/00	01/28/00	11	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
135TNB	01/17/00	01/28/00	11	05	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
135TNB	01/17/00	01/28/00	11	07	1	LT	227	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*238*
135TNB	01/17/00	01/28/00	11	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
135TNB	01/17/00	01/28/00	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 9

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M138 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	01/17/00	01/28/00	11	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
13DNB	01/17/00	01/28/00	11	05	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
13DNB	01/17/00	01/28/00	11	07	1	LT	227	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*238*
13DNB	01/17/00	01/28/00	11	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
13DNB	01/17/00	01/28/00	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 9

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M138 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	01/17/00	01/28/00	11	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
246TNT	01/17/00	01/28/00	11	05	1		166 J	
					2		547	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*321*
246TNT	01/17/00	01/28/00	11	07	1	LT	227	
					2		264	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*247*
246TNT	01/17/00	01/28/00	11	09	1	LT	250	
					2		158 J	
					3		1470	
				Average Concentration for Cross Section 09 :				*626*
246TNT	01/17/00	01/28/00	11	11	1		382	
					2	LT	250	
					3		1790	
				Average Concentration for Cross Section 11 :				*807*

Average Concentration for Windrow on Day 11 : ***449***

Standard Deviation: ***492***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M138 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	01/17/00	01/28/00	11	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
24DNT	01/17/00	01/28/00	11	05	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
24DNT	01/17/00	01/28/00	11	07	1	LT	227	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*238*
24DNT	01/17/00	01/28/00	11	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
24DNT	01/17/00	01/28/00	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 8

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M138 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	01/17/00	01/28/00	11	03	1	LT 260	
					2	LT 248	
					3	LT 260	
				Average Concentration for Cross Section 03 :			*256*
26DNT	01/17/00	01/28/00	11	05	1	LT 260	
					2	LT 236	
					3	LT 260	
				Average Concentration for Cross Section 05 :			*252*
26DNT	01/17/00	01/28/00	11	07	1	LT 236	
					2	LT 248	
					3	LT 260	
				Average Concentration for Cross Section 07 :			*248*
26DNT	01/17/00	01/28/00	11	09	1	LT 260	
					2	LT 260	
					3	LT 248	
				Average Concentration for Cross Section 09 :			*256*
26DNT	01/17/00	01/28/00	11	11	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 11 : 254

Standard Deviation: 9

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M138 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	01/17/00	01/28/00	11	03	1	LT	250
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 03 :			*246*
2A46DT	01/17/00	01/28/00	11	05	1	LT	250
					2	LT	227
					3	LT	250
				Average Concentration for Cross Section 05 :			*242*
2A46DT	01/17/00	01/28/00	11	07	1	LT	227
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 07 :			*238*
2A46DT	01/17/00	01/28/00	11	09	1	LT	250
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*246*
2A46DT	01/17/00	01/28/00	11	11	1	LT	250
					2	LT	250
					3	LT	250
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 9

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M138 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	01/17/00	01/28/00	11	03	1	LT 250	
					2	LT 238	
					3	LT 250	
				Average Concentration for Cross Section 03 :			*246*
2NT	01/17/00	01/28/00	11	05	1	LT 250	
					2	LT 227	
					3	LT 250	
				Average Concentration for Cross Section 05 :			*242*
2NT	01/17/00	01/28/00	11	07	1	LT 227	
					2	LT 238	
					3	LT 250	
				Average Concentration for Cross Section 07 :			*238*
2NT	01/17/00	01/28/00	11	09	1	LT 250	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 09 :			*246*
2NT	01/17/00	01/28/00	11	11	1	LT 250	
					2	LT 250	
					3	LT 250	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 11 : ***245***

Standard Deviation: ***8***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M138 **3-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	01/17/00	01/28/00	11	03	1	LT	250	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 03 :			*246*
3NT	01/17/00	01/28/00	11	05	1	LT	250	
					2	LT	227	
					3	LT	250	
					Average Concentration for Cross Section 05 :			*242*
3NT	01/17/00	01/28/00	11	07	1	LT	227	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 07 :			*238*
3NT	01/17/00	01/28/00	11	09	1	LT	250	
					2	LT	250	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*246*
3NT	01/17/00	01/28/00	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*250*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 8

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M138 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	01/17/00	01/28/00	11	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
4A26DT	01/17/00	01/28/00	11	05	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
4A26DT	01/17/00	01/28/00	11	07	1	LT	227	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*238*
4A26DT	01/17/00	01/28/00	11	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
4A26DT	01/17/00	01/28/00	11	11	1	LT	250	
					2	LT	250	
					3		315	
				Average Concentration for Cross Section 11 :				*272*

Average Concentration for Windrow on Day 11 : 249

Standard Deviation: 20

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M138 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	01/17/00	01/28/00	11	03	1	LT	250	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 03 :				*246*
4NT	01/17/00	01/28/00	11	05	1	LT	250	
					2	LT	227	
					3	LT	250	
				Average Concentration for Cross Section 05 :				*242*
4NT	01/17/00	01/28/00	11	07	1	LT	227	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 07 :				*238*
4NT	01/17/00	01/28/00	11	09	1	LT	250	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*246*
4NT	01/17/00	01/28/00	11	11	1	LT	250	
					2	LT	250	
					3	LT	250	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*250*

Average Concentration for Windrow on Day 11 : 245

Standard Deviation: 8

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M138 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	01/17/00	01/28/00	11	03	1		1340 J	
					2	LT	2100	
					3	LT	2200	
				Average Concentration for Cross Section 03 :				*1880*
HMX	01/17/00	01/28/00	11	05	1	LT	2200	
					2	LT	2000	
					3	LT	2200	
				Average Concentration for Cross Section 05 :				*2133*
HMX	01/17/00	01/28/00	11	07	1	LT	2000	
					2	LT	2100	
					3	LT	2200	
				Average Concentration for Cross Section 07 :				*2100*
HMX	01/17/00	01/28/00	11	09	1	LT	2200	
					2	LT	2200	
					3		1470 J	
				Average Concentration for Cross Section 09 :				*1957*
HMX	01/17/00	01/28/00	11	11	1	LT	2200	
					2	LT	2200	
					3		2360	
				Average Concentration for Cross Section 11 :				*2253*

Average Concentration for Windrow on Day 11 : 2065

Standard Deviation: 283

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M138 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	01/17/00	01/28/00	11	03	1	LT 260	
					2	LT 248	
					3	LT 260	
				Average Concentration for Cross Section 03 :			*256*
NB	01/17/00	01/28/00	11	05	1	LT 260	
					2	LT 236	
					3	LT 260	
				Average Concentration for Cross Section 05 :			*252*
NB	01/17/00	01/28/00	11	07	1	LT 236	
					2	LT 248	
					3	LT 260	
				Average Concentration for Cross Section 07 :			*248*
NB	01/17/00	01/28/00	11	09	1	LT 260	
					2	LT 260	
					3	LT 248	
				Average Concentration for Cross Section 09 :			*256*
NB	01/17/00	01/28/00	11	11	1	LT 260	
					2	LT 260	
					3	LT 260	
				Average Concentration for Cross Section 11 :			*260*

Average Concentration for Windrow on Day 11 : 254

Standard Deviation: 9

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M138 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	01/17/00	01/28/00	11	03	1	2120	
					2	1430	
					3	LT 1000	
				Average Concentration for Cross Section 03 :			*1517*
RDX	01/17/00	01/28/00	11	05	1	8860	
					2	973	
					3	LT 1000	
				Average Concentration for Cross Section 05 :			*3611*
RDX	01/17/00	01/28/00	11	07	1	4280	
					2	LT 952	
					3	LT 1000	
				Average Concentration for Cross Section 07 :			*2077*
RDX	01/17/00	01/28/00	11	09	1	793 J	
					2	720 J	
					3	6220	
				Average Concentration for Cross Section 09 :			*2578*
RDX	01/17/00	01/28/00	11	11	1	5460	
					2	4220	
					3	6980	
				Average Concentration for Cross Section 11 :			*5553*

Average Concentration for Windrow on Day 11 : 3067

Standard Deviation: 2716

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M138 **TETRYL Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	01/17/00	01/28/00	11	03	1	LT	650	
					2	LT	619	
					3	LT	650	
					Average Concentration for Cross Section 03 :			*640*
TETRYL	01/17/00	01/28/00	11	05	1	LT	650	
					2	LT	591	
					3	LT	650	
					Average Concentration for Cross Section 05 :			*630*
TETRYL	01/17/00	01/28/00	11	07	1	LT	591	
					2	LT	619	
					3	LT	650	
					Average Concentration for Cross Section 07 :			*620*
TETRYL	01/17/00	01/28/00	11	09	1	LT	650	
					2	LT	650	
					3	LT	619	
					Average Concentration for Cross Section 09 :			*640*
TETRYL	01/17/00	01/28/00	11	11	1	LT	650	
					2	LT	650	
					3	LT	650	
					Average Concentration for Cross Section 11 :			*650*

Average Concentration for Windrow on Day 11 : 636

Standard Deviation: 22

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-139 Day 0: 01/20/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5700	12	2400	5.275	11605	19.775	19705
2	3.2	6200	11.5	2300	5.275	11605	19.975	20105
3	2.9	5600	12.5	2500	5.275	11605	20.675	19705
4	3.7	5800	12.5	2500	5.275	11605	21.475	19905
5	2.9	5600	12	2400	5.275	11605	20.175	19605
6	3.1	5800	12	2400	5.275	11605	20.375	19805
7	2.9	5600	12.5	2500	5.275	11605	20.675	19705
8	3	5700	11.5	2300	5.275	11605	19.775	19605
9	3.7	5850	12	2380	5.275	11605	20.975	19835
10	3	5710	1275	2670	5.275	11605	1283.275	19985
11	370	5840	12.5	2510	5.275	11605	387.775	19955
12	3	5740	12.1	2480	5.275	11605	20.375	19825
13	3	5710	11.9	2360	5.275	11605	20.175	19675
14	3.1	5780	12.1	2490	5.275	11605	20.475	19875
15	3.15	5870	12	2380	5.275	11605	20.425	19855
16	3.1	5720	12.1	2440	5.275	11605	20.475	19765
17	3.15	5820	12.1	2490	5.275	11605	20.525	19915
18	3	5700	12.15	2510	5.275	11605	20.425	19815
19	3.1	5760	12.1	2410	5.275	11605	20.475	19775
20	3.15	5800	12.15	2540	5.275	11605	20.575	19945
21	3.1	5720	12	2400	5.275	11605	20.375	19725
22	3.1	5740	12.1	2410	5.275	11605	20.475	19755
23	3.1	5790	12.1	2450	5.275	11605	20.475	19845
24	3.15	5810	12.1	2470	5.275	11605	20.525	19885
25	3.1	5710	12.15	2520	5.275	11605	20.525	19835
26	3.15	5820	12.15	2570	5.275	11605	20.575	19995
27	3.1	5790	12.1	2490	5.275	11605	20.475	19885
28	3.1	5750	12	2400	5.275	11605	20.375	19755
29	3.25	6200	12	2300	5.275	11605	20.525	20105
30	3.25	6000	12	2400	5.275	11605	20.525	20005
31	3	5700	14	2800	5.275	11605	22.275	20105
32	3	5790	12	2460	5.275	11605	20.275	19855
33	3	5760	12	2420	5.275	11605	20.275	19785
34	3	5710	12.1	2490	5.275	11605	20.375	19805
35	3	5730	12.1	2440	5.275	11605	20.375	19775
36	3	5670	12.1	2480	5.275	11605	20.375	19755
37	3.1	5770	12.1	2490	5.275	11605	20.475	19865
38	3.1	5750	12.1	2450	5.275	11605	20.475	19805
39	3	5700	12.1	2410	5.275	11605	20.375	19715
40					5.275	11605	5.275	11605
41								
42								
43								
Total	487.75	225210	1736	95810	211.00	464200	2434.25	785220

2460
7710

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5139 PERFORMED BY: T. Hekkerman

DATE: 1/19/08 INSPECTED BY: MFB

Design Quantity: Chicken Manure 3 CY ~~2400~~ 5700 Pounds
Straw 12 CY 2400 Pounds
Soil 5.3 CY 1660 Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Poultry		STRAW Supplier: Landmark Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.0	5700	12.0	2400				
2	3.2	6200	11.5	2300				
3	2.9	5600	12.5	2500				
4	3.20	5800	12.5	2500				
5	2.9	5600	12.0	2400				
6	3.1	5800	12	2400				
7	2.9	5600	12.5	2500				
8	3.0	5700	11.5	2300				
9	3.70	5850	12	2380				
10	3	5710	12.75	2670				
11	3.70	5840	12.5	2510				
12	3	5740	12.10	2480				
13	3	5710	11.90	2360				
14	3.10	5780	12.10	2490				
15	3.15	5870	12	2380				
16	3.10	5720	12.10	2440				
17	3.15	5820	12.10	2490				
18	3	5700	12.15	2510				
19	3.10	5760	12.10	2440				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 139 PERFORMED BY: _____

DATE: 1 1 19 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5800	12.15	2540				
21	3.10	5720	12	2400				
22	3.10	5740	12.10	2410				
23	3.10	5790	12.10	2450				
24	3.15	5810	12.10	2470				
25	3.10	5710	12.15	2520				
26	3.15	5820	12.15	2570				
27	3.10	5790	12.10	2490				
28	3.10	5750	12	2400				
Total								

Comments:

4:00

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 135 PERFORMED BY: T. Helderman

DATE: 1 1 19 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3.0 CY 5700 Pounds 1900
Straw 12.0 CY 2400 Pounds 200
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	6200	12	2300				
2	3.25	6000	12.0	2400				
3	3.0	5700	14.0	2800				
4	3	5790	12	2460				
5	3	5760	12	2420				
6	3	5710	12.10	2490				
7	3	5730	12.10	2440				
8	3	5670	12.10	2480				
9	3.10	5770	12.10	2490				
10	3.10	5750	12.10	2450				
11	3	5700	12.10	2410				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S139	1/20/00	1/20/00	0		5.17
		1/21/00	1	25.23	21.50
		1/22/00	2	57.20	41.93
		1/23/00	3	59.63	50.23
		1/24/00	4	59.37	61.53
		1/25/00	5	63.93	57.13
		1/26/00	6	51.53	51.03
		1/27/00	7	56.43	57.40
		1/28/00	8	55.53	57.37
		1/29/00	9	62.87	55.00
		1/30/00	10	61.83	58.43

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S139	1/20/00	1/20/00	0		18.93
		1/21/00	1	19.43	14.03
		1/22/00	2	11.40	14.27
		1/23/00	3	11.57	17.73
		1/24/00	4	12.03	13.27
		1/25/00	5	11.80	13.70
		1/26/00	6	18.97	18.37
		1/27/00	7	19.50	11.57
		1/28/00	8	9.20	9.87
		1/29/00	9	10.87	18.76
		1/30/00	10	17.43	18.30

All average Oxygen values are expressed as a percent

Wednesday, July 03, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S139	1/20/00	1/20/00	0		51.98
		1/24/00	4		44.84
		1/27/00	7		46.08

All average MWHC values are expressed in percent

Windrow Number: S139 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	01/20/00	01/31/00	11	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
135TNB	01/20/00	01/31/00	11	05	1	LT	238
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 05 :			*227*
135TNB	01/20/00	01/31/00	11	07	1	LT	227
					2	LT	238
					3	LT	217
				Average Concentration for Cross Section 07 :			*227*
135TNB	01/20/00	01/31/00	11	09	1	LT	208
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*232*
135TNB	01/20/00	01/31/00	11	11	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 11 : 233

Standard Deviation: 13

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S139 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	01/20/00	01/31/00	11	03	1	LT	250	
					2	LT	227	
					3	LT	227	
				Average Concentration for Cross Section 03 :				*235*
13DNB	01/20/00	01/31/00	11	05	1	LT	238	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*227*
13DNB	01/20/00	01/31/00	11	07	1	LT	227	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 07 :				*227*
13DNB	01/20/00	01/31/00	11	09	1	LT	208	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*232*
13DNB	01/20/00	01/31/00	11	11	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 11 : 233

Standard Deviation: 13

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S139 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	01/20/00	01/31/00	11	03	1		150000	
					2		328	
					3		3300	
					Average Concentration for Cross Section 03 :			*51209*
246TNT	01/20/00	01/31/00	11	05	1	LT	238	
					2		2280	
					3		4520	
					Average Concentration for Cross Section 05 :			*2346*
246TNT	01/20/00	01/31/00	11	07	1		249	
					2		1360	
					3		311	
					Average Concentration for Cross Section 07 :			*640*
246TNT	01/20/00	01/31/00	11	09	1	LT	208	
					2		700	
					3	LT	238	
					Average Concentration for Cross Section 09 :			*382*
246TNT	01/20/00	01/31/00	11	11	1	LT	238	
					2	LT	238	
					3	LT	250	
					Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 11 : 10964

Standard Deviation: 38486

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S139 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	01/20/00	01/31/00	11	03	1	LT	250	
					2	LT	227	
					3	LT	227	
				Average Concentration for Cross Section 03 :				*235*
24DNT	01/20/00	01/31/00	11	05	1	LT	238	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*227*
24DNT	01/20/00	01/31/00	11	07	1	LT	227	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 07 :				*227*
24DNT	01/20/00	01/31/00	11	09	1	LT	208	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*232*
24DNT	01/20/00	01/31/00	11	11	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 11 : 233

Standard Deviation: 13

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S139

2,6-DINITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	01/20/00	01/31/00	11	03	1	LT	260
					2	LT	236
					3	LT	236
				Average Concentration for Cross Section 03 :			*244*
26DNT	01/20/00	01/31/00	11	05	1	LT	248
					2	LT	236
					3	LT	226
				Average Concentration for Cross Section 05 :			*237*
26DNT	01/20/00	01/31/00	11	07	1	LT	236
					2	LT	248
					3	LT	226
				Average Concentration for Cross Section 07 :			*237*
26DNT	01/20/00	01/31/00	11	09	1	LT	217
					2	LT	260
					3	LT	248
				Average Concentration for Cross Section 09 :			*242*
26DNT	01/20/00	01/31/00	11	11	1	LT	248
					2	LT	248
					3	LT	260
				Average Concentration for Cross Section 11 :			*252*

Average Concentration for Windrow on Day 11 : 242

Standard Deviation: 13

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S139 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	01/20/00	01/31/00	11	03	1	LT	250
					2	LT	227
					3	LT	227
				Average Concentration for Cross Section 03 :			*235*
2A46DT	01/20/00	01/31/00	11	05	1	LT	238
					2	LT	227
					3	LT	217
				Average Concentration for Cross Section 05 :			*227*
2A46DT	01/20/00	01/31/00	11	07	1	LT	227
					2	LT	238
					3	LT	217
				Average Concentration for Cross Section 07 :			*227*
2A46DT	01/20/00	01/31/00	11	09	1	LT	208
					2	LT	250
					3	LT	238
				Average Concentration for Cross Section 09 :			*232*
2A46DT	01/20/00	01/31/00	11	11	1	LT	238
					2	LT	238
					3	LT	250
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 11 : ***233***

Standard Deviation: *13*

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S139 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	01/20/00	01/31/00	11	03	1	LT	250	
					2	LT	227	
					3	LT	227	
				Average Concentration for Cross Section 03 :				*235*
2NT	01/20/00	01/31/00	11	05	1	LT	238	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*227*
2NT	01/20/00	01/31/00	11	07	1	LT	227	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 07 :				*227*
2NT	01/20/00	01/31/00	11	09	1	LT	208	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*232*
2NT	01/20/00	01/31/00	11	11	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 11 : ***233***

Standard Deviation: ***13***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S139 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	01/20/00	01/31/00	11	03	1	LT	250	
					2	LT	227	
					3	LT	227	
				Average Concentration for Cross Section 03 :				*235*
3NT	01/20/00	01/31/00	11	05	1	LT	238	
					2	LT	227	
					3	LT	217	
				Average Concentration for Cross Section 05 :				*227*
3NT	01/20/00	01/31/00	11	07	1	LT	227	
					2	LT	238	
					3	LT	217	
				Average Concentration for Cross Section 07 :				*227*
3NT	01/20/00	01/31/00	11	09	1	LT	208	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*232*
3NT	01/20/00	01/31/00	11	11	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 11 : 233

Standard Deviation: 13

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S139 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4A26DT	01/20/00	01/31/00	11	03	1	LT	250	
					2		318	
					3		303	
				Average Concentration for Cross Section 03 :				*290*
4A26DT	01/20/00	01/31/00	11	05	1	LT	238	
					2	LT	227	
					3		373	
				Average Concentration for Cross Section 05 :				*279*
4A26DT	01/20/00	01/31/00	11	07	1		322	
					2	LT	238	
					3		399	
				Average Concentration for Cross Section 07 :				*320*
4A26DT	01/20/00	01/31/00	11	09	1	LT	208	
					2	LT	250	
					3	LT	238	
				Average Concentration for Cross Section 09 :				*232*
4A26DT	01/20/00	01/31/00	11	11	1	LT	238	
					2	LT	238	
					3	LT	250	
				Average Concentration for Cross Section 11 :				*242*

Average Concentration for Windrow on Day 11 : ***273***

Standard Deviation: *57*

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S139 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	01/20/00	01/31/00	11	03	1	LT 250	
					2	LT 227	
					3	LT 227	
				Average Concentration for Cross Section 03 :			*235*
4NT	01/20/00	01/31/00	11	05	1	LT 238	
					2	LT 227	
					3	LT 217	
				Average Concentration for Cross Section 05 :			*227*
4NT	01/20/00	01/31/00	11	07	1	LT 227	
					2	LT 238	
					3	LT 217	
				Average Concentration for Cross Section 07 :			*227*
4NT	01/20/00	01/31/00	11	09	1	LT 208	
					2	LT 250	
					3	LT 238	
				Average Concentration for Cross Section 09 :			*232*
4NT	01/20/00	01/31/00	11	11	1	LT 238	
					2	LT 238	
					3	LT 250	
				Average Concentration for Cross Section 11 :			*242*

Average Concentration for Windrow on Day 11 : 233

Standard Deviation: 13

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S139 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	01/20/00	01/31/00	11	03	1	LT	2200	
					2		4420	
					3	LT	5020	
				Average Concentration for Cross Section 03 :				*3880*
HMX	01/20/00	01/31/00	11	05	1	LT	2100	
					2		2820	
					3		2210	
				Average Concentration for Cross Section 05 :				*2377*
HMX	01/20/00	01/31/00	11	07	1		2280	
					2	LT	2100	
					3		1610 J	
				Average Concentration for Cross Section 07 :				*1997*
HMX	01/20/00	01/31/00	11	09	1	LT	1830	
					2		1140 J	
					3	LT	2100	
				Average Concentration for Cross Section 09 :				*1690*
HMX	01/20/00	01/31/00	11	11	1	LT	2100	
					2	LT	2100	
					3	LT	2200	
				Average Concentration for Cross Section 11 :				*2133*

Average Concentration for Windrow on Day 11 : 2415

Standard Deviation: 1008

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S139 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	01/20/00	01/31/00	11	03	1	LT	260	
					2	LT	236	
					3	LT	236	
				Average Concentration for Cross Section 03 :				*244*
NB	01/20/00	01/31/00	11	05	1	LT	248	
					2	LT	236	
					3	LT	226	
				Average Concentration for Cross Section 05 :				*237*
NB	01/20/00	01/31/00	11	07	1	LT	236	
					2	LT	248	
					3	LT	226	
				Average Concentration for Cross Section 07 :				*237*
NB	01/20/00	01/31/00	11	09	1	LT	217	
					2	LT	260	
					3	LT	248	
				Average Concentration for Cross Section 09 :				*242*
NB	01/20/00	01/31/00	11	11	1	LT	248	
					2	LT	248	
					3	LT	260	
				Average Concentration for Cross Section 11 :				*252*

Average Concentration for Windrow on Day 11 : ***242***

Standard Deviation: ***13***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S139 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	01/20/00	01/31/00	11	03	1	LT	4770	
					2		9080	
					3		31200	
					Average Concentration for Cross Section 03 :			*15017*
RDX	01/20/00	01/31/00	11	05	1		1990	
					2		6510	
					3		4860	
					Average Concentration for Cross Section 05 :			*4453*
RDX	01/20/00	01/31/00	11	07	1		9650	
					2		1860	
					3		3060	
					Average Concentration for Cross Section 07 :			*4857*
RDX	01/20/00	01/31/00	11	09	1		1350	
					2		6640	
					3	LT	952	
					Average Concentration for Cross Section 09 :			*2981*
RDX	01/20/00	01/31/00	11	11	1		1600	
					2	LT	952	
					3	LT	1000	
					Average Concentration for Cross Section 11 :			*1184*

Average Concentration for Windrow on Day 11 : ***5698***

Standard Deviation: ***7647***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S139 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	01/20/00	01/31/00	11	03	1	LT	650	
					2	LT	591	
					3	LT	591	
				Average Concentration for Cross Section 03 :				*611*
TETRYL	01/20/00	01/31/00	11	05	1	LT	619	
					2	LT	591	
					3	LT	565	
				Average Concentration for Cross Section 05 :				*592*
TETRYL	01/20/00	01/31/00	11	07	1	LT	591	
					2	LT	619	
					3	LT	565	
				Average Concentration for Cross Section 07 :				*592*
TETRYL	01/20/00	01/31/00	11	09	1	LT	542	
					2	LT	650	
					3	LT	619	
				Average Concentration for Cross Section 09 :				*604*
TETRYL	01/20/00	01/31/00	11	11	1	LT	619	
					2	LT	619	
					3	LT	650	
				Average Concentration for Cross Section 11 :				*629*

Average Concentration for Windrow on Day 11 : 605

Standard Deviation: 33

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-140 Day 0: 1/31/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5720	12	2370	5.275	11605	20.375	19695
2	3.1	5790	12.1	2450	5.275	11605	20.475	19845
3	3.1	5750	12.15	2560	5.275	11605	20.525	19915
4	3.1	5770	12.15	2520	5.275	11605	20.525	19895
5	3.1	5740	12.15	2580	5.275	11605	20.525	19925
6	3.1	5720	12.1	2450	5.275	11605	20.475	19775
7	3.1	5780	12	2400	5.275	11605	20.375	19785
8	3.15	5810	12.1	2460	5.275	11605	20.525	19875
9	3.1	5730	12.1	2470	5.275	11605	20.475	19805
10	3.25	5870	12.15	2540	5.275	11605	20.675	20015
11	3.15	5790	12	2380	5.275	11605	20.425	19775
12	3	5700	12.1	2420	5.275	11605	20.375	19725
13	3.1	5780	12.1	2450	5.275	11605	20.475	19835
14	3	5700	12.1	2430	5.275	11605	20.375	19735
15	3.1	5750	12.1	2470	5.275	11605	20.475	19825
16	3.15	5810	12.1	2480	5.275	11605	20.525	19895
17	3.1	5760	12.15	2510	5.275	11605	20.525	19875
18	3.15	5840	12.1	2470	5.275	11605	20.525	19915
19	3.1	5720	11.75	2350	5.275	11605	20.125	19675
20	3.1	5740	12.1	2490	5.275	11605	20.475	19835
21	3.15	5830	12.1	2460	5.275	11605	20.525	19895
22	3	5700	12.1	2450	5.275	11605	20.375	19755
23	3.1	5770	12.15	2510	5.275	11605	20.525	19885
24	3.1	5780	12.1	2470	5.275	11605	20.475	19855
25	3.15	5840	12.1	2480	5.275	11605	20.525	19925
26	3.15	5820	12	2380	5.275	11605	20.425	19805
27	3.1	5740	12.15	2510	5.275	11605	20.525	19855
28	3	5680	12.15	2560	5.275	11605	20.425	19845
29	3.15	5830	12.2	2600	5.275	11605	20.625	20035
30	3.1	5780	12	2420	5.275	11605	20.375	19805
31	3.1	5790	12	2370	5.275	11605	20.375	19765
32	3	5700	12.15	2520	5.275	11605	20.425	19825
33	3.25	6000	12	2400	5.275	11605	20.525	20005
34	3.1	5780	12.1	2410	5.275	11605	20.475	19795
35	3.15	5810	12.2	2610	5.275	11605	20.625	20025
36	3.1	5820	12	2390	5.275	11605	20.375	19815
37	3.1	5790	12.1	2450	5.275	11605	20.475	19845
38	3.15	5840	12.2	2640	5.275	11605	20.625	20085
39	3.15	5830	12.25	2700	5.275	11605	20.675	20135
40	3.1	5740	12	2400	5.275	11605	20.375	19745
41								
42								
43								
Total	124.35	231140	483.65	98980	211.00	464200	819	794320

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M-1 PERFORMED BY: Hound

DATE: 1/31/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5720	12	2370				
2	3.10	5790	12.10	2450				
3	3.10	5750	12.15	2560				
4	3.10	5770	12.15	2520				
5	3.10	5740	12.15	2580				
6	3.10	5720	12.10	2450				
7	3.10	5780	12	2400				
8	3.15	5810	12.10	2480				
9	3.10	5730	12.10	2470				
10	3.25	5820	12.15	2540				
11	3.15	5790	12	2380				
12	3	5700	12.10	2420				
13	3.10	5780	12.10	2450				
14	3.	5700	12.10	2430				
15	3.10	5750	12.10	2470				
16	3.15	5810	12.10	2480				
17	3.10	5760	12.15	2510				
18	3.15	5840	12.10	2470				
19	3.10	5720	11.75	2350				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M-140 PERFORMED BY: Howard

DATE: 1/31/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5740	12.10	2490				
21	3.15	5830	12.10	2460				
22	3	5700	12.10	2450				
23	3.10	5770	12.15	2510				
24	3.10	5780	12.10	2470				
25	3.15	5840	12.10	2480				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 140 PERFORMED BY: Donna

DATE: 1/13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5820	12	2380				
2	3.10	5740	12.15	2510				
3	3	5680	12.15	2560				
4	3.15	5830	12.20	2600				
5	3.10	5780	12	2420				
6	3.10	5790	12	2370				
7	3	5700	12.15	2520				
8	3.25	6000	12	2400				
9	3.10	5780	12.10	2410				
10	3.15	5810	12.20	2610				
11	3.10	5820	12	2390				
12	3.10	5790	12.10	2450				
13	3.15	5840	12.20	2640				
14	3.15	5830	12.25	2700				
15	3.10	5740	12	2400				
16								
17								
18								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M140	1/31/00	1/31/00	0		5.43
		2/1/00	1	20.83	16.83
		2/2/00	2	38.27	42.00
		2/3/00	3	49.07	47.80
		2/4/00	4	53.17	56.67
		2/5/00	5	53.90	52.33
		2/6/00	6	56.97	57.67
		2/7/00	7	62.60	52.77
		2/8/00	8	64.43	59.00
		2/9/00	9	58.80	54.20
		2/10/00	10	62.83	58.93

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M140	1/31/00	1/31/00	0		16.13
		2/1/00	1	18.13	19.10
		2/2/00	2	10.27	11.23
		2/3/00	3	2.10	11.30
		2/4/00	4	10.03	11.03
		2/5/00	5	13.60	16.33
		2/6/00	6	15.30	14.27
		2/7/00	7	13.23	18.70
		2/8/00	8	14.90	16.77
		2/9/00	9	13.67	18.57
		2/10/00	10	15.80	17.93

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M140	1/31/00	1/31/00	0		67.54
		2/4/00	4		53.20
		2/7/00	7		55.12

All average MWHC values are expressed in percent

Windrow Number: M140 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	01/31/00	02/11/00	11	03	1	LT	476
					2		286 J
					3	LT	476
				Average Concentration for Cross Section 03 :			*413*
135TNB	01/31/00	02/11/00	11	05	1	LT	476
					2	LT	435
					3	LT	417
				Average Concentration for Cross Section 05 :			*443*
135TNB	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3	LT	476
				Average Concentration for Cross Section 07 :			*462*
135TNB	01/31/00	02/11/00	11	09	1	LT	476
					2	LT	476
					3	LT	5000
				Average Concentration for Cross Section 09 :			*1984*
135TNB	01/31/00	02/11/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 11 :			*441*

Average Concentration for Windrow on Day 11 : 749

Standard Deviation: 1177

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	01/31/00	02/17/00	17	03	1	LT	417
					1	LT	476
					1	LT	454
				Average Concentration for Cross Section 03 :			*449*
135TNB	01/31/00	02/17/00	17	05	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 05 :			*469*
135TNB	01/31/00	02/17/00	17	07	1	LT	454
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
135TNB	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
135TNB	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 11 :			*448*

Average Concentration for Windrow on Day 17 : 461

Standard Deviation: 26

Percent Reduction of 135TNB: 38.37%

Windrow Number: M140 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	01/31/00	02/11/00	11	03	1	LT	476	
					2	LT	454	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*469*
13DNB	01/31/00	02/11/00	11	05	1	LT	476	
					2	LT	435	
					3	LT	417	
					Average Concentration for Cross Section 05 :			*443*
13DNB	01/31/00	02/11/00	11	07	1	LT	476	
					2	LT	435	
					3	LT	476	
					Average Concentration for Cross Section 07 :			*462*
13DNB	01/31/00	02/11/00	11	09	1	LT	476	
					2	LT	476	
					3	LT	5000	
					Average Concentration for Cross Section 09 :			*1984*
13DNB	01/31/00	02/11/00	11	11	1	LT	435	
					2	LT	435	
					3	LT	454	
					Average Concentration for Cross Section 11 :			*441*
					Average Concentration for Windrow on Day 11 :			*760*
					Standard Deviation:			*1173*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	01/31/00	02/17/00	17	03	1	LT	454	
					1	LT	417	
					1	LT	476	
					Average Concentration for Cross Section 03 :			*449*
13DNB	01/31/00	02/17/00	17	05	1	LT	476	
					2	LT	476	
					3	LT	454	
					Average Concentration for Cross Section 05 :			*469*
13DNB	01/31/00	02/17/00	17	07	1	LT	454	
					2	LT	435	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*463*
13DNB	01/31/00	02/17/00	17	09	1	LT	435	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*478*
13DNB	01/31/00	02/17/00	17	11	1	LT	435	
					2	LT	454	
					3	LT	454	
					Average Concentration for Cross Section 11 :			*448*
					Average Concentration for Windrow on Day 17 :			*461*
					Standard Deviation:			*26*

Percent Reduction of 13DNB: 39.28%

Windrow Number: M140 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	01/31/00	02/11/00	11	03	1	LT	476
					2		208 J
					3		612
					Average Concentration for Cross Section 03 :		*432*
246TNT	01/31/00	02/11/00	11	05	1		241 J
					2		128 J
					3		181 J
					Average Concentration for Cross Section 05 :		*183*
246TNT	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3		113 J
					Average Concentration for Cross Section 07 :		*341*
246TNT	01/31/00	02/11/00	11	09	1		297 J
					2		363 J
					3		2080000
					Average Concentration for Cross Section 09 :		*693553*
246TNT	01/31/00	02/11/00	11	11	1		459
					2		55.3 J
					3	LT	454
					Average Concentration for Cross Section 11 :		*323*

Average Concentration for Windrow on Day 11 : 138967

Standard Deviation: 536971

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	01/31/00	02/17/00	17	03	1	LT	454
					1	LT	476
					1		93.4 J
					Average Concentration for Cross Section 03 :		*341*
246TNT	01/31/00	02/17/00	17	05	1		161 J
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 05 :		*364*
246TNT	01/31/00	02/17/00	17	07	1	LT	454
					2		246 J
					3		354 J
					Average Concentration for Cross Section 07 :		*351*
246TNT	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*478*
246TNT	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
					Average Concentration for Cross Section 11 :		*448*

Average Concentration for Windrow on Day 17 : 396

Standard Deviation: 127

Percent Reduction of 246TNT: 99.71%

Windrow Number: M140 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	01/31/00	02/11/00	11	03	1	LT	476
					2	LT	454
					3	LT	476
					Average Concentration for Cross Section 03 :		*469*
24DNT	01/31/00	02/11/00	11	05	1	LT	476
					2	LT	435
					3	LT	417
					Average Concentration for Cross Section 05 :		*443*
24DNT	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3	LT	476
					Average Concentration for Cross Section 07 :		*462*
24DNT	01/31/00	02/11/00	11	09	1	LT	476
					2	LT	476
					3	LT	5000
					Average Concentration for Cross Section 09 :		*1984*
24DNT	01/31/00	02/11/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 11 :		*441*

Average Concentration for Windrow on Day 11 : 760

Standard Deviation: 1173

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	01/31/00	02/17/00	17	03	1	LT	476
					1	LT	454
					1	LT	417
					Average Concentration for Cross Section 03 :		*449*
24DNT	01/31/00	02/17/00	17	05	1	LT	476
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 05 :		*469*
24DNT	01/31/00	02/17/00	17	07	1	LT	454
					2	LT	435
					3	LT	500
					Average Concentration for Cross Section 07 :		*463*
24DNT	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*478*
24DNT	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
					Average Concentration for Cross Section 11 :		*448*

Average Concentration for Windrow on Day 17 : 461

Standard Deviation: 26

Percent Reduction of 24DNT: 39.28%

Windrow Number: M140 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	01/31/00	02/11/00	11	03	1	LT	476
					2	LT	454
					3	LT	476
					Average Concentration for Cross Section 03 :		*469*
26DNT	01/31/00	02/11/00	11	05	1	LT	476
					2	LT	435
					3	LT	417
					Average Concentration for Cross Section 05 :		*443*
26DNT	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3	LT	476
					Average Concentration for Cross Section 07 :		*462*
26DNT	01/31/00	02/11/00	11	09	1	LT	476
					2	LT	476
					3	LT	5000
					Average Concentration for Cross Section 09 :		*1984*
26DNT	01/31/00	02/11/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 11 :		*441*

Average Concentration for Windrow on Day 11 : 760

Standard Deviation: 1173

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	01/31/00	02/17/00	17	03	1	LT	476
					1	LT	417
					1	LT	454
					Average Concentration for Cross Section 03 :		*449*
26DNT	01/31/00	02/17/00	17	05	1	LT	476
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 05 :		*469*
26DNT	01/31/00	02/17/00	17	07	1	LT	454
					2	LT	435
					3	LT	500
					Average Concentration for Cross Section 07 :		*463*
26DNT	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*478*
26DNT	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
					Average Concentration for Cross Section 11 :		*448*

Average Concentration for Windrow on Day 17 : 461

Standard Deviation: 26

Percent Reduction of 26DNT: 39.28%

Windrow Number: M140 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	01/31/00	02/11/00	11	03	1	LT	476
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*469*
2A46DT	01/31/00	02/11/00	11	05	1	LT	476
					2	LT	435
					3	LT	417
				Average Concentration for Cross Section 05 :			*443*
2A46DT	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3	LT	476
				Average Concentration for Cross Section 07 :			*462*
2A46DT	01/31/00	02/11/00	11	09	1	LT	476
					2	LT	476
					3	LT	5000
				Average Concentration for Cross Section 09 :			*1984*
2A46DT	01/31/00	02/11/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 11 :			*441*

Average Concentration for Windrow on Day 11 : 760

Standard Deviation: 1173

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	01/31/00	02/17/00	17	03	1	LT	454
					1	LT	476
					1	LT	417
				Average Concentration for Cross Section 03 :			*449*
2A46DT	01/31/00	02/17/00	17	05	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 05 :			*469*
2A46DT	01/31/00	02/17/00	17	07	1	LT	454
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
2A46DT	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
2A46DT	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 11 :			*448*

Average Concentration for Windrow on Day 17 : 461

Standard Deviation: 26

Percent Reduction of 2A46DT: 39.28%

Windrow Number: M140 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	01/31/00	02/11/00	11	03	1	LT	476
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*469*
2NT	01/31/00	02/11/00	11	05	1	LT	476
					2	LT	435
					3	LT	417
				Average Concentration for Cross Section 05 :			*443*
2NT	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3	LT	476
				Average Concentration for Cross Section 07 :			*462*
2NT	01/31/00	02/11/00	11	09	1	LT	476
					2	LT	476
					3	LT	5000
				Average Concentration for Cross Section 09 :			*1984*
2NT	01/31/00	02/11/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 11 :			*441*

Average Concentration for Windrow on Day 11 : 760

Standard Deviation: 1173

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	01/31/00	02/17/00	17	03	1	LT	476
					1	LT	417
					1	LT	454
				Average Concentration for Cross Section 03 :			*449*
2NT	01/31/00	02/17/00	17	05	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 05 :			*469*
2NT	01/31/00	02/17/00	17	07	1	LT	454
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
2NT	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
2NT	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 11 :			*448*

Average Concentration for Windrow on Day 17 : 461

Standard Deviation: 26

Percent Reduction of 2NT: 39.28%

Windrow Number: M140 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	01/31/00	02/11/00	11	03	1	LT	476
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*469*
3NT	01/31/00	02/11/00	11	05	1	LT	476
					2	LT	435
					3	LT	417
				Average Concentration for Cross Section 05 :			*443*
3NT	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3	LT	476
				Average Concentration for Cross Section 07 :			*462*
3NT	01/31/00	02/11/00	11	09	1	LT	476
					2	LT	476
					3	LT	5000
				Average Concentration for Cross Section 09 :			*1984*
3NT	01/31/00	02/11/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 11 :			*441*

Average Concentration for Windrow on Day 11 : 760

Standard Deviation: 1173

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	01/31/00	02/17/00	17	03	1	LT	417
					1	LT	476
					1	LT	454
				Average Concentration for Cross Section 03 :			*449*
3NT	01/31/00	02/17/00	17	05	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 05 :			*469*
3NT	01/31/00	02/17/00	17	07	1	LT	454
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
3NT	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
3NT	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 11 :			*448*

Average Concentration for Windrow on Day 17 : 461

Standard Deviation: 26

Percent Reduction of 3NT: 39.28%

Windrow Number: M140 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	01/31/00	02/11/00	11	03	1	LT	476
					2		573
					3		226 J
					Average Concentration for Cross Section 03 :		*425*
4A26DT	01/31/00	02/11/00	11	05	1	LT	476
					2	LT	435
					3	LT	417
					Average Concentration for Cross Section 05 :		*443*
4A26DT	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3	LT	476
					Average Concentration for Cross Section 07 :		*462*
4A26DT	01/31/00	02/11/00	11	09	1	LT	476
					2	LT	476
					3	LT	5000
					Average Concentration for Cross Section 09 :		*1984*
4A26DT	01/31/00	02/11/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 11 :		*441*

Average Concentration for Windrow on Day 11 : 751

Standard Deviation: 1178

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	01/31/00	02/17/00	17	03	1	LT	417
					1	LT	454
					1	LT	476
					Average Concentration for Cross Section 03 :		*449*
4A26DT	01/31/00	02/17/00	17	05	1	LT	476
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 05 :		*469*
4A26DT	01/31/00	02/17/00	17	07	1	LT	454
					2	LT	435
					3	LT	500
					Average Concentration for Cross Section 07 :		*463*
4A26DT	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*478*
4A26DT	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
					Average Concentration for Cross Section 11 :		*448*

Average Concentration for Windrow on Day 17 : 461

Standard Deviation: 26

Percent Reduction of 4A26DT: 38.58%

Windrow Number: M140 **4-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	01/31/00	02/11/00	11	03	1	LT	476
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			469
4NT	01/31/00	02/11/00	11	05	1	LT	476
					2	LT	435
					3	LT	417
				Average Concentration for Cross Section 05 :			443
4NT	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3	LT	476
				Average Concentration for Cross Section 07 :			462
4NT	01/31/00	02/11/00	11	09	1	LT	476
					2	LT	476
					3	LT	5000
				Average Concentration for Cross Section 09 :			1984
4NT	01/31/00	02/11/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 11 :			441

Average Concentration for Windrow on Day 11 : 760

Standard Deviation: 1173

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	01/31/00	02/17/00	17	03	1	LT	454
					1	LT	476
					1	LT	417
				Average Concentration for Cross Section 03 :			449
4NT	01/31/00	02/17/00	17	05	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 05 :			469
4NT	01/31/00	02/17/00	17	07	1	LT	454
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 07 :			463
4NT	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			478
4NT	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 11 :			448

Average Concentration for Windrow on Day 17 : 461

Standard Deviation: 26

Percent Reduction of 4NT: 39.28%

Windrow Number: M140 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	01/31/00	02/11/00	11	03	1	3620	
					2	6500	
					3	3140	
					Average Concentration for Cross Section 03 :		*4420*
HMX	01/31/00	02/11/00	11	05	1	513	
					2	3500	
					3	557	
					Average Concentration for Cross Section 05 :		*1523*
HMX	01/31/00	02/11/00	11	07	1	251 J	
					2	189 J	
					3	343 J	
					Average Concentration for Cross Section 07 :		*261*
HMX	01/31/00	02/11/00	11	09	1	2040	
					2	1480	
					3	LT 5000	
					Average Concentration for Cross Section 09 :		*2840*
HMX	01/31/00	02/11/00	11	11	1	243 J	
					2	345 J	
					3	120 J	
					Average Concentration for Cross Section 11 :		*236*

Average Concentration for Windrow on Day 11 : 1856

Standard Deviation: 2038

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	01/31/00	02/17/00	17	03	1	784	
					1	663	
					1	997	
					Average Concentration for Cross Section 03 :		*815*
HMX	01/31/00	02/17/00	17	05	1	LT 476	
					2	LT 476	
					3	LT 454	
					Average Concentration for Cross Section 05 :		*469*
HMX	01/31/00	02/17/00	17	07	1	LT 454	
					2	LT 435	
					3	LT 500	
					Average Concentration for Cross Section 07 :		*463*
HMX	01/31/00	02/17/00	17	09	1	LT 435	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 09 :		*478*
HMX	01/31/00	02/17/00	17	11	1	LT 435	
					2	LT 454	
					3	373 J	
					Average Concentration for Cross Section 11 :		*421*

Average Concentration for Windrow on Day 17 : 529

Standard Deviation: 164

Percent Reduction of HMX: 71.50%

Windrow Number: M140 **NITROBENZENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	01/31/00	02/11/00	11	03	1	LT	476
					2	LT	454
					3	LT	476
					Average Concentration for Cross Section 03 :		*469*
NB	01/31/00	02/11/00	11	05	1	LT	476
					2	LT	435
					3	LT	417
					Average Concentration for Cross Section 05 :		*443*
NB	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3	LT	476
					Average Concentration for Cross Section 07 :		*462*
NB	01/31/00	02/11/00	11	09	1	LT	476
					2	LT	476
					3	LT	5000
					Average Concentration for Cross Section 09 :		*1984*
NB	01/31/00	02/11/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 11 :		*441*

Average Concentration for Windrow on Day 11 : ***760***

Standard Deviation: ***1173***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	01/31/00	02/17/00	17	03	1	LT	454
					1	LT	476
					1	LT	417
					Average Concentration for Cross Section 03 :		*449*
NB	01/31/00	02/17/00	17	05	1	LT	476
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 05 :		*469*
NB	01/31/00	02/17/00	17	07	1	LT	454
					2	LT	435
					3	LT	500
					Average Concentration for Cross Section 07 :		*463*
NB	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*478*
NB	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
					Average Concentration for Cross Section 11 :		*448*

Average Concentration for Windrow on Day 17 : ***461***

Standard Deviation: ***26***

Percent Reduction of NB: 39.28%

Windrow Number: M140 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	01/31/00	02/11/00	11	03	1		3170	
					2		14100	
					3		4680	
					Average Concentration for Cross Section 03 :			*7317*
RDX	01/31/00	02/11/00	11	05	1	LT	476	
					2		10300	
					3		143 J	
					Average Concentration for Cross Section 05 :			*3640*
RDX	01/31/00	02/11/00	11	07	1		1430	
					2		82.4 J	
					3		7020	
					Average Concentration for Cross Section 07 :			*2844*
RDX	01/31/00	02/11/00	11	09	1		23000	
					2		1400	
					3	LT	5000	
					Average Concentration for Cross Section 09 :			*9800*
RDX	01/31/00	02/11/00	11	11	1		466	
					2	LT	435	
					3		145 J	
					Average Concentration for Cross Section 11 :			*349*

Average Concentration for Windrow on Day 11 : 4790

Standard Deviation: 6550

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	01/31/00	02/17/00	17	03	1		865	
					1		4470	
					1		5680	
					Average Concentration for Cross Section 03 :			*3672*
RDX	01/31/00	02/17/00	17	05	1	LT	476	
					2	LT	476	
					3	LT	454	
					Average Concentration for Cross Section 05 :			*469*
RDX	01/31/00	02/17/00	17	07	1	LT	454	
					2	LT	435	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*463*
RDX	01/31/00	02/17/00	17	09	1	LT	435	
					2		160 J	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*365*
RDX	01/31/00	02/17/00	17	11	1		1160	
					2	LT	454	
					3		2100	
					Average Concentration for Cross Section 11 :			*1238*

Average Concentration for Windrow on Day 17 : 1241

Standard Deviation: 1639

Percent Reduction of RDX: 74.09%

Windrow Number: M140 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	01/31/00	02/11/00	11	03	1	LT	476
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*469*
TETRYL	01/31/00	02/11/00	11	05	1	LT	476
					2	LT	435
					3	LT	417
				Average Concentration for Cross Section 05 :			*443*
TETRYL	01/31/00	02/11/00	11	07	1	LT	476
					2	LT	435
					3	LT	476
				Average Concentration for Cross Section 07 :			*462*
TETRYL	01/31/00	02/11/00	11	09	1	LT	476
					2	LT	476
					3	LT	5000
				Average Concentration for Cross Section 09 :			*1984*
TETRYL	01/31/00	02/11/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 11 :			*441*

Average Concentration for Windrow on Day 11 : 760

Standard Deviation: 1173

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	01/31/00	02/17/00	17	03	1	LT	476
					1	LT	417
					1	LT	454
				Average Concentration for Cross Section 03 :			*449*
TETRYL	01/31/00	02/17/00	17	05	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 05 :			*469*
TETRYL	01/31/00	02/17/00	17	07	1	LT	454
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
TETRYL	01/31/00	02/17/00	17	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
TETRYL	01/31/00	02/17/00	17	11	1	LT	435
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 11 :			*448*

Average Concentration for Windrow on Day 17 : 461

Standard Deviation: 26

Percent Reduction of TETRYL: 39.28%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-141 Day 0: 2/4/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.15	2540	5.275	11605	20.525	19895
2	3.1	5720	12.1	2430	5.275	11605	20.475	19755
3	3.1	5740	12.15	2510	5.275	11605	20.525	19855
4	3.1	5770	102.15	2540	5.275	11605	110.525	19915
5	3.1	5710	12.1	2420	5.275	11605	20.475	19735
6	3.1	5790	12	2400	5.275	11605	20.375	19795
7	3.15	5820	12.15	2530	5.275	11605	20.575	19955
8	3.15	5880	12.15	2570	5.275	11605	20.575	20055
9	3.2	5990	12.1	2450	5.275	11605	20.575	20045
10	3.1	5760	12.2	2640	5.275	11605	20.575	20005
11	3.1	5720	12.1	2530	5.275	11605	20.475	19855
12	3.15	5810	12.1	2470	5.275	11605	20.525	19885
13	3	5700	12.1	2450	5.275	11605	20.375	19755
14	3.15	5810	12.15	2570	5.275	11605	20.575	19985
15	3.1	5720	12.1	2490	5.275	11605	20.475	19815
16	3.1	5780	12.1	2460	5.275	11605	20.475	19845
17	3	5700	12.1	2470	5.275	11605	20.375	19775
18	3.1	5740	12.1	2450	5.275	11605	20.475	19795
19	3.1	5730	12	2400	5.275	11605	20.375	19735
20	3.15	5830	12.1	2470	5.275	11605	20.525	19905
21	3	5700	12.1	2450	5.275	11605	20.375	19755
22	3.1	5720	12.1	2460	5.275	11605	20.475	19785
23	3.1	5780	12.1	2490	5.275	11605	20.475	19875
24	3.15	5710	12.15	2540	5.275	11605	20.575	19855
25	3.1	5760	12.1	2380	5.275	11605	20.475	19745
26	3.15	5770	12.1	2460	5.275	11605	20.525	19835
27	3.25	5800	12	2380	5.275	11605	20.525	19785
28	3.2	5790	12.15	2540	5.275	11605	20.625	19935
29	3.15	5880	12.1	2420	5.275	11605	20.525	19905
30	3.15	5890	12.1	2440	5.275	11605	20.525	19935
31	3.15	5800	12	2390	5.275	11605	20.425	19795
32	3.1	5780	12.15	2530	5.275	11605	20.525	19915
33	3.1	5740	12.25	2620	5.275	11605	20.625	19965
34	3.15	5790	12.1	2420	5.275	11605	20.525	19815
35	3.15	5860	12	2400	5.275	11605	20.425	19865
36	3.1	5730	12.1	2490	5.275	11605	20.475	19825
37	3	5700	12	2380	5.275	11605	20.275	19685
38	3.15	5800	12	2410	5.275	11605	20.425	19815
39	3.1	5720	12	2390	5.275	11605	20.375	19715
40	3.15	5850	12.1	2490	5.275	11605	20.525	19945
41								
42								
43								
Total	124.65	231040	573.9	98870	211.00	464200	909.55	794110

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 141 PERFORMED BY: Howard

DATE: 2/2/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.15	2540				
2	3.10	5720	12.10	2430				
3	3.10	5740	12.15	2510				
4	3.10	5770	12.15	2540				
5	3.10	5710	12.10	2420				
6	3.10	5790	12	2400				
7	3.15	5820	12.15	2530				
8	3.15	5880	12.15	2570				
9	3.20	5990	12.10	2450				
10	3.10	5760	12.20	2640				
11	3.10	5720	12.10	2530				
12	3.15	5810	12.10	2470				
13	3	5700	12.10	2450				
14	3.15	5810	12.15	2570				
15	3.10	5720	12.10	2490				
16	3.10	5780	12.10	2460				
17	3	5700	12.10	2470				
18	3.10	5740	12.10	2450				
19	3.10	5730	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M-141 PERFORMED BY: Hound

DATE: 2/13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5830	12.10	2470				
21	3	5700	12.10	2450				
22	3.10	5720	12.10	2460				
23	3.10	5780	12.10	2490				
24	3.15	5710	12.15	2540				
25	3.10	5760	12.10	2480				
2[illegible]								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M 141 PERFORMED BY: [illegible]

DATE: 2-8-00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil 5.3 CY 11650 Pounds

Batch Number	CHICKEN MANURE Supplier: Walsh Valley Farms		STRAW Supplier: Londonmilk Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5770	12.10	2460				
2	3.25	5800	12	2380				
3	3.20	5790	12.15	2540				
4	3.15	5880	12.10	2420				
5	3.15	5890	12.10	2440				
6	3.15	5800	12	2390				
7	3.10	5780	12.15	2530				
8	3.10	5780	12.25	2620				
9	3.10	5780	12.10	2420				
10	3.15	5860	12	2400				
11	3.10	5730	12.10	2490				
12	3	5700	12	2380				
13	3.15	5800	12	2410				
14	3.10	5720	12	2390				
15	3.15	5850	12.10	2490				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M141	2/4/00	2/4/00	0		12.10
		2/5/00	1	48.60	44.70
		2/6/00	2	60.40	53.60
		2/7/00	3	60.70	51.93
		2/8/00	4	61.53	53.60
		2/9/00	5	64.83	59.13
		2/10/00	6	59.90	58.57
		2/11/00	7	67.13	61.90
		2/12/00	8	68.13	60.47
		2/13/00	9	59.87	58.17
		2/14/00	10	63.57	55.47

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M141	2/4/00	2/4/00	0		15.03
		2/5/00	1	10.67	16.67
		2/6/00	2	10.10	12.13
		2/7/00	3	12.80	2.77
		2/8/00	4	1.77	9.57
		2/9/00	5	15.47	18.67
		2/10/00	6	14.27	16.50
		2/11/00	7	2.87	8.67
		2/12/00	8	10.60	14.47
		2/13/00	9	15.03	15.67
		2/14/00	10	12.57	14.70

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M141	2/4/00	2/4/00	0		56.26
		2/7/00	3		51.76
		2/10/00	6		62.62

All average MWHC values are expressed in percent

Windrow Number: M141 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	02/04/00	02/15/00	11	03	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
135TNB	02/04/00	02/15/00	11	05	1	LT	454	
					2	LT	435	
					3	LT	417	
				Average Concentration for Cross Section 05 :				*435*
135TNB	02/04/00	02/15/00	11	07	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*454*
135TNB	02/04/00	02/15/00	11	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
135TNB	02/04/00	02/15/00	11	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 11 : ***465***

Standard Deviation: ***26***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M141 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	02/04/00	02/15/00	11	03	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
13DNB	02/04/00	02/15/00	11	05	1	LT	454	
					2	LT	435	
					3	LT	417	
				Average Concentration for Cross Section 05 :				*435*
13DNB	02/04/00	02/15/00	11	07	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*454*
13DNB	02/04/00	02/15/00	11	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
13DNB	02/04/00	02/15/00	11	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 11 : 465

Standard Deviation: 26

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M141 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	02/04/00	02/15/00	11	03	1	LT	500	
					2		162 J	
					3		415 J	
				Average Concentration for Cross Section 03 :				*359*
246TNT	02/04/00	02/15/00	11	05	1	LT	454	
					2		12400	
					3		120 J	
				Average Concentration for Cross Section 05 :				*4325*
246TNT	02/04/00	02/15/00	11	07	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*454*
246TNT	02/04/00	02/15/00	11	09	1	LT	500	
					2		395 J	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*465*
246TNT	02/04/00	02/15/00	11	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 11 : 1213

Standard Deviation: 3097

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M141 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	02/04/00	02/15/00	11	03	1	LT 500	
					2	LT 476	
					3	LT 454	
					Average Concentration for Cross Section 03 :		*477*
24DNT	02/04/00	02/15/00	11	05	1	LT 454	
					2	LT 435	
					3	LT 417	
					Average Concentration for Cross Section 05 :		*435*
24DNT	02/04/00	02/15/00	11	07	1	LT 454	
					2	LT 454	
					3	LT 454	
					Average Concentration for Cross Section 07 :		*454*
24DNT	02/04/00	02/15/00	11	09	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 09 :		*500*
24DNT	02/04/00	02/15/00	11	11	1	LT 454	
					2	LT 476	
					3	LT 454	
					Average Concentration for Cross Section 11 :		*461*

Average Concentration for Windrow on Day 11 : 465

Standard Deviation: 26

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M141 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	02/04/00	02/15/00	11	03	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*477*
26DNT	02/04/00	02/15/00	11	05	1	LT 454	
					2	LT 435	
					3	LT 417	
				Average Concentration for Cross Section 05 :			*435*
26DNT	02/04/00	02/15/00	11	07	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*454*
26DNT	02/04/00	02/15/00	11	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
26DNT	02/04/00	02/15/00	11	11	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 11 : ***465***

Standard Deviation: ***26***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M141 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	02/04/00	02/15/00	11	03	1	LT	500
					2		173 J
					3	LT	454
				Average Concentration for Cross Section 03 :			*376*
2A46DT	02/04/00	02/15/00	11	05	1	LT	454
					2	LT	435
					3	LT	417
				Average Concentration for Cross Section 05 :			*435*
2A46DT	02/04/00	02/15/00	11	07	1	LT	454
					2	LT	454
					3		118 J
				Average Concentration for Cross Section 07 :			*342*
2A46DT	02/04/00	02/15/00	11	09	1	LT	500
					2		238 J
					3	LT	500
				Average Concentration for Cross Section 09 :			*413*
2A46DT	02/04/00	02/15/00	11	11	1	LT	454
					2	LT	476
					3		84.3 J
				Average Concentration for Cross Section 11 :			*338*

Average Concentration for Windrow on Day 11 : 381

Standard Deviation: 147

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M141 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	02/04/00	02/15/00	11	03	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*477*
2NT	02/04/00	02/15/00	11	05	1	LT 454	
					2	LT 435	
					3	LT 417	
				Average Concentration for Cross Section 05 :			*435*
2NT	02/04/00	02/15/00	11	07	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*454*
2NT	02/04/00	02/15/00	11	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
2NT	02/04/00	02/15/00	11	11	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 11 : 465

Standard Deviation: 26

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M141 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	02/04/00	02/15/00	11	03	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
3NT	02/04/00	02/15/00	11	05	1	LT	454	
					2	LT	435	
					3	LT	417	
				Average Concentration for Cross Section 05 :				*435*
3NT	02/04/00	02/15/00	11	07	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*454*
3NT	02/04/00	02/15/00	11	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
3NT	02/04/00	02/15/00	11	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 11 : ***465***

Standard Deviation: ***26***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M141 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	02/04/00	02/15/00	11	03	1	LT 500	
					2	344 J	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*433*
4A26DT	02/04/00	02/15/00	11	05	1	LT 454	
					2	LT 435	
					3	LT 417	
				Average Concentration for Cross Section 05 :			*435*
4A26DT	02/04/00	02/15/00	11	07	1	LT 454	
					2	162 J	
					3	264 J	
				Average Concentration for Cross Section 07 :			*293*
4A26DT	02/04/00	02/15/00	11	09	1	LT 500	
					2	693	
					3	186 J	
				Average Concentration for Cross Section 09 :			*460*
4A26DT	02/04/00	02/15/00	11	11	1	LT 454	
					2	179 J	
					3	152 J	
				Average Concentration for Cross Section 11 :			*262*

Average Concentration for Windrow on Day 11 : ***377***

Standard Deviation: ***157***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M141

4-NITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	02/04/00	02/15/00	11	03	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*477*
4NT	02/04/00	02/15/00	11	05	1	LT 454	
					2	LT 435	
					3	LT 417	
				Average Concentration for Cross Section 05 :			*435*
4NT	02/04/00	02/15/00	11	07	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*454*
4NT	02/04/00	02/15/00	11	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
4NT	02/04/00	02/15/00	11	11	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 11 : 465

Standard Deviation: 26

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M141 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
HMX	02/04/00	02/15/00	11	03	1	LT 500	
					2	1540	
					3	1420	
				Average Concentration for Cross Section 03 :			*1153*
HMX	02/04/00	02/15/00	11	05	1	LT 454	
					2	1560	
					3	493	
				Average Concentration for Cross Section 05 :			*836*
HMX	02/04/00	02/15/00	11	07	1	LT 454	
					2	2660	
					3	1240	
				Average Concentration for Cross Section 07 :			*1451*
HMX	02/04/00	02/15/00	11	09	1	LT 500	
					2	4950	
					3	2220	
				Average Concentration for Cross Section 09 :			*2557*
HMX	02/04/00	02/15/00	11	11	1	590	
					2	2560	
					3	1730	
				Average Concentration for Cross Section 11 :			*1627*

Average Concentration for Windrow on Day 11 : 1525

Standard Deviation: 1226

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M141 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	02/04/00	02/15/00	11	03	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
NB	02/04/00	02/15/00	11	05	1	LT	454	
					2	LT	435	
					3	LT	417	
				Average Concentration for Cross Section 05 :				*435*
NB	02/04/00	02/15/00	11	07	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*454*
NB	02/04/00	02/15/00	11	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
NB	02/04/00	02/15/00	11	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 11 : ***465***

Standard Deviation: ***26***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M141 ***RDX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	02/04/00	02/15/00	11	03	1	LT	500	
					2		2410	
					3		427 J	
					Average Concentration for Cross Section 03 :			*1112*
RDX	02/04/00	02/15/00	11	05	1	LT	454	
					2		10200	
					3		2070	
					Average Concentration for Cross Section 05 :			*4241*
RDX	02/04/00	02/15/00	11	07	1	LT	454	
					2		2590	
					3		481	
					Average Concentration for Cross Section 07 :			*1175*
RDX	02/04/00	02/15/00	11	09	1	LT	500	
					2		14900	
					3		2070	
					Average Concentration for Cross Section 09 :			*5823*
RDX	02/04/00	02/15/00	11	11	1	LT	454	
					2		3970	
					3		3770	
					Average Concentration for Cross Section 11 :			*2731*

Average Concentration for Windrow on Day 11 : ***3017***

Standard Deviation: ***4159***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M141 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	02/04/00	02/15/00	11	03	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
TETRYL	02/04/00	02/15/00	11	05	1	LT	454	
					2	LT	435	
					3	LT	417	
				Average Concentration for Cross Section 05 :				*435*
TETRYL	02/04/00	02/15/00	11	07	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*454*
TETRYL	02/04/00	02/15/00	11	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
TETRYL	02/04/00	02/15/00	11	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 11 : 465

Standard Deviation: 26

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-142 Day 0: 02/7/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5740	12.1	2470	5.275	11605	20.475	19815
2	3.1	5770	12.1	2430	5.275	11605	20.475	19805
3	3.1	5720	12.1	2460	5.275	11605	20.475	19785
4	3.1	5760	12.15	2510	5.275	11605	20.525	19875
5	3	5710	12.1	2420	5.275	11605	20.375	19735
6	3.1	5790	12.15	2530	5.275	11605	20.525	19925
7	3.1	5720	12	2400	5.275	11605	20.375	19725
8	3.1	5780	12.1	2470	5.275	11605	20.475	19855
9	3.15	5830	12.15	2610	5.275	11605	20.575	20045
10	3.1	5750	12.1	2420	5.275	11605	20.475	19775
11	3	5700	12.1	2440	5.275	11605	20.375	19745
12	3.1	5780	12.1	2460	5.275	11605	20.475	19845
13	3.1	5720	12.15	2420	5.275	11605	20.525	19745
14	3.1	5770	12.1	2450	5.275	11605	20.475	19825
15	3.1	5740	12.1	2470	5.275	11605	20.475	19815
16	3.15	5800	12.15	2500	5.275	11605	20.575	19905
17	3.1	5730	12.1	2430	5.275	11605	20.475	19765
18	3.1	5790	12.15	2540	5.275	11605	20.525	19935
19	3.1	5740	12	2400	5.275	11605	20.375	19745
20	3	5700	12.15	2560	5.275	11605	20.425	19865
21	3.1	5740	12.1	2400	5.275	11605	20.475	19745
22	3.15	5820	12.15	2540	5.275	11605	20.575	19965
23	3	5700	12.1	2490	5.275	11605	20.375	19795
24	3.1	5780	12.1	2450	5.275	11605	20.475	19835
25	3.25	5790	12	2380	5.275	11605	20.525	19775
26	3.1	5900	12	2450	5.275	11605	20.375	19955
27	3	5720	12	2440	5.275	11605	20.275	19765
28	3.25	5800	12.75	2670	5.275	11605	21.275	20075
29	3	5730	12.75	2650	5.275	11605	21.025	19985
30	3.25	5870	12.5	2580	5.275	11605	21.025	20055
31	3.25	5770	12.1	2620	5.275	11605	20.625	19995
32	3	5730	12	2410	5.275	11605	20.275	19745
33	3.15	5810	12.25	2500	5.275	11605	20.675	19915
34	3.1	5750	12	2390	5.275	11605	20.375	19745
35	3.15	5820	12	2460	5.275	11605	20.425	19885
36	3.15	5800	12.15	2510	5.275	11605	20.575	19915
37	3	5710	12.1	2460	5.275	11605	20.375	19775
38	3.2	5790	12.15	2590	5.275	11605	20.625	19985
39	3.2	5840	12	2340	5.275	11605	20.475	19785
40					5.275	11605	5.275	11605
41								
42								
43								
Total	121.2	224910	473.35	96720	211.00	464200	805.55	785830

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 142 PERFORMED BY: Hound

DATE: 2/7/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2470				
2	3.10	5770	12.10	2430				
3	3.10	5720	12.10	2460				
4	3.10	5760	12.15	2510				
5	3.	5710	12.10	2420				
6	3.10	5790	12.15	2530				
7	3.10	5720	12	2400				
8	3.10	5780	12.10	2470				
9	3.15	5830	12.15	2610				
10	3.10	5750	12.10	2420				
11	3	5700	12.10	2440				
12	3.10	5780	12.10	2460				
13	3.10	5720	12.15	2420				
14	3.10	5770	12.10	2450				
15	3.10	5740	12.10	2470				
16	3.15	5800	12.15	2500				
17	3.10	5730	12.10	2430				
18	3.10	5790	12.15	2540				
19	3.10	5740	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 142 PERFORMED BY: Howard

DATE: 2/7/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.00	5700	12.15	2560				
21	3.10	5740	12.00	2400				
22	3.15	5820	12.15	2540				
23	3	5700	12.10	2490				
24	3.10	5780	12.10	2450				
25			12.10	2440				
Total								

Comments:

753

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 8142 PERFORMED BY: [illegible]

DATE: 2/7/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Walsh Poultry Produce		STRAW Supplier: Loudermilk Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	5790	12	2380				
2	3.10	5900	12	2450				
3	3	5720	12	2440				
4	3.25	5800	12.25	2670				
5	3	5730	12.25	2650				
6	3.25	5870	12.50	2580				
7	3.25	5770	12.50	2620				
8	3	5750	12	2410				
9	3.25	5810	12.25	2500				
10	3.10	5750	12	2390				
11	3.15	5820	12	2460				
12	3.15	5800	12.15	2510				
13	3	5710	12.10	2460				
14	3.15	5790	12.15	2590				
15	3.20	5840	12	2340				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S142	2/7/00	2/7/00	0		15.27
		2/8/00	1	11.80	13.47
		2/9/00	2	46.40	41.40
		2/10/00	3	56.03	55.43
		2/11/00	4	62.47	58.40
		2/12/00	5	59.33	54.43
		2/13/00	6	52.07	50.63
		2/14/00	7	54.50	51.17
		2/15/00	8	50.70	44.00
		2/16/00	9	50.73	51.03
		2/17/00	10	57.77	47.37
		2/18/00	11	50.47	38.87
		2/19/00	12	55.40	58.13
		2/20/00	13	60.20	57.27

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S142	2/7/00	2/7/00	0		19.27
		2/8/00	1	13.23	12.03
		2/9/00	2	3.10	11.87
		2/10/00	3	6.30	14.27
		2/11/00	4	2.43	12.00
		2/12/00	5	15.70	14.83
		2/13/00	6	16.87	16.13
		2/14/00	7	17.00	16.67
		2/15/00	8	18.77	18.90
		2/16/00	9	19.50	20.03
		2/17/00	10	19.93	20.23
		2/18/00	11	18.38	18.00
		2/19/00	12	14.50	

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S142	2/7/00	2/7/00	0		61.40
		2/10/00	3		60.40
		2/14/00	7		38.94
		2/15/00	8		53.56
		2/18/00	11		49.92

All average MWHC values are expressed in percent

Windrow Number: S142 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	02/07/00	02/21/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
135TNB	02/07/00	02/21/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
135TNB	02/07/00	02/21/00	14	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
135TNB	02/07/00	02/21/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
135TNB	02/07/00	02/21/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : ***498***

Standard Deviation: ***6***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S142 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	02/07/00	02/21/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
13DNB	02/07/00	02/21/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
13DNB	02/07/00	02/21/00	14	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
13DNB	02/07/00	02/21/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
13DNB	02/07/00	02/21/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : ***498***

Standard Deviation: ***6***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S142 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG	
246TNT	02/07/00	02/21/00	14	03	1	LT	500	
					2		762	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*587*
246TNT	02/07/00	02/21/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
246TNT	02/07/00	02/21/00	14	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
246TNT	02/07/00	02/21/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
246TNT	02/07/00	02/21/00	14	11	1		2020	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*1007*

Average Concentration for Windrow on Day 14 : ***617***

Standard Deviation: ***394***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S142 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	02/07/00	02/21/00	14	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
24DNT	02/07/00	02/21/00	14	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
24DNT	02/07/00	02/21/00	14	07	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
24DNT	02/07/00	02/21/00	14	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
24DNT	02/07/00	02/21/00	14	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 14 : 498

Standard Deviation: 6

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S142 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	02/07/00	02/21/00	14	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
26DNT	02/07/00	02/21/00	14	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
26DNT	02/07/00	02/21/00	14	07	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
26DNT	02/07/00	02/21/00	14	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
26DNT	02/07/00	02/21/00	14	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 14 : ***498***

Standard Deviation: ***6***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S142 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	02/07/00	02/21/00	14	03	1	LT	500	
					2		646	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*549*
2A46DT	02/07/00	02/21/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2A46DT	02/07/00	02/21/00	14	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
2A46DT	02/07/00	02/21/00	14	09	1	LT	500	
					2		95.5 J	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*365*
2A46DT	02/07/00	02/21/00	14	11	1	LT	500	
					2	LT	500	
					3		169 J	
				Average Concentration for Cross Section 11 :				*390*

Average Concentration for Windrow on Day 14 : 459

Standard Deviation: 139

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S142 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	02/07/00	02/21/00	14	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
2NT	02/07/00	02/21/00	14	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
2NT	02/07/00	02/21/00	14	07	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
2NT	02/07/00	02/21/00	14	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
2NT	02/07/00	02/21/00	14	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 14 : 498

Standard Deviation: 6

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S142 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	02/07/00	02/21/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
3NT	02/07/00	02/21/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
3NT	02/07/00	02/21/00	14	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
3NT	02/07/00	02/21/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
3NT	02/07/00	02/21/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : 498

Standard Deviation: 6

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S142

4-AMINO-2,6-DINITROTOLUENE Results

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	02/07/00	02/21/00	14	03	1	LT	500	
					2		828	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*609*
4A26DT	02/07/00	02/21/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4A26DT	02/07/00	02/21/00	14	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
4A26DT	02/07/00	02/21/00	14	09	1	LT	500	
					2		276 J	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*425*
4A26DT	02/07/00	02/21/00	14	11	1	LT	500	
					2	LT	500	
					3		365 J	
				Average Concentration for Cross Section 11 :				*455*

Average Concentration for Windrow on Day 14 : 496

Standard Deviation: 112

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S142 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	02/07/00	02/21/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4NT	02/07/00	02/21/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4NT	02/07/00	02/21/00	14	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
4NT	02/07/00	02/21/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
4NT	02/07/00	02/21/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : ***498***

Standard Deviation: ***6***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S142 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	02/07/00	02/21/00	14	03	1		600	
					2		2580	
					3		779	
				Average Concentration for Cross Section 03 :				*1320*
HMX	02/07/00	02/21/00	14	05	1	LT	500	
					2		628	
					3		883	
				Average Concentration for Cross Section 05 :				*670*
HMX	02/07/00	02/21/00	14	07	1	LT	500	
					2		178 J	
					3		225 J	
				Average Concentration for Cross Section 07 :				*301*
HMX	02/07/00	02/21/00	14	09	1		163 J	
					2		306 J	
					3		365 J	
				Average Concentration for Cross Section 09 :				*278*
HMX	02/07/00	02/21/00	14	11	1		820	
					2		1010	
					3		1400	
				Average Concentration for Cross Section 11 :				*1077*

Average Concentration for Windrow on Day 14 : ***729***

Standard Deviation: ***616***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S142 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
NB	02/07/00	02/21/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
NB	02/07/00	02/21/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
NB	02/07/00	02/21/00	14	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
NB	02/07/00	02/21/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
NB	02/07/00	02/21/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : ***498***

Standard Deviation: ***6***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S142 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	02/07/00	02/21/00	14	03	1	LT	500	
					2		4900	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*1967*
RDX	02/07/00	02/21/00	14	05	1	LT	500	
					2		2380	
					3		1630	
				Average Concentration for Cross Section 05 :				*1503*
RDX	02/07/00	02/21/00	14	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
RDX	02/07/00	02/21/00	14	09	1	LT	500	
					2		168 J	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*389*
RDX	02/07/00	02/21/00	14	11	1		722	
					2	LT	500	
					3		459 J	
				Average Concentration for Cross Section 11 :				*560*

Average Concentration for Windrow on Day 14 : ***982***

Standard Deviation: ***1220***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S142 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	02/07/00	02/21/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
TETRYL	02/07/00	02/21/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
TETRYL	02/07/00	02/21/00	14	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
TETRYL	02/07/00	02/21/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
TETRYL	02/07/00	02/21/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : ***498***

Standard Deviation: ***6***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-143 Day 0: 02/8/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.15	2550	5.275	11605	20.475	19905
2	3.1	5790	12.1	2470	5.275	11605	20.475	19865
3	3.1	5720	12.1	2430	5.275	11605	20.475	19755
4	3	5700	12.1	2410	5.275	11605	20.375	19715
5	3.1	5770	12	2400	5.275	11605	20.375	19775
6	3.15	5840	12.1	2470	5.275	11605	20.525	19915
7	3.15	5820	12.15	2580	5.275	11605	20.575	20005
8	3.15	5860	12.1	2450	5.275	11605	20.525	19915
9	3.15	5810	12.1	2430	5.275	11605	20.525	19845
10	3.1	5750	12.15	2560	5.275	11605	20.525	19915
11	3.15	5820	12.15	2500	5.275	11605	20.575	19925
12	3.1	5790	12.1	2370	5.275	11605	20.475	19765
13	3.1	5720	12	2400	5.275	11605	20.375	19725
14	3	5700	12.1	2480	5.275	11605	20.375	19785
15	3.1	5750	12	2400	5.275	11605	20.375	19755
16	3.1	5760	12.1	2440	5.275	11605	20.475	19805
17	3.1	5740	12	2400	5.275	11605	20.375	19745
18	3	5700	12.1	2430	5.275	11605	20.375	19735
19	3.1	5720	12.1	2450	5.275	11605	20.475	19775
20	3.1	5740	11.9	2370	5.275	11605	20.275	19715
21	3.1	5710	12.1	2460	5.275	11605	20.475	19775
22	3.15	5820	12.1	2490	5.275	11605	20.525	19915
23	3.1	5730	12	2400	5.275	11605	20.375	19735
24	3.15	5840	12.1	2470	5.275	11605	20.525	19915
25	3.1	5790	12.15	2520	5.275	11605	20.525	19915
26	3.1	5700	12.1	2460	5.275	11605	20.475	19765
27	3.1	5720	12	2400	5.275	11605	20.375	19725
28	3.1	5770	12.1	2490	5.275	11605	20.475	19865
29	3.15	5810	12.1	2450	5.275	11605	20.525	19865
30	3	5710	11.9	2390	5.275	11605	20.175	19705
31	3.15	5800	12.15	2500	5.275	11605	20.575	19905
32	3.15	5800	12	2400	5.275	11605	20.425	19805
33	3	5700	12	2400	5.275	11605	20.275	19705
34	3.2	6000	12.15	2500	5.275	11605	20.625	20105
35	3.15	5800	12	2400	5.275	11605	20.425	19805
36	3.2	5900	12.15	2500	5.275	11605	20.625	20005
37	3.2	5900	12.2	2600	5.275	11605	20.675	20105
38	3.2	5700	12	2400	5.275	11605	20.475	19705
39	3.2	5900	12	2400	5.275	11605	20.475	19905
40	3.2	6000	12	2400	5.275	11605	20.475	20005
41								
42								
43								
Total	124.65	231350	482.9	98020	211.00	464200	818.5	793570

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 143 PERFORMED BY: Howard

DATE: 2/18/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.15	2550				
2	3.10	5790	12.10	2470				
3	3.10	5720	12.10	2430				
4	3	5700	12.10	2410				
5	3.10	5770	12	2400				
6	3.15	5840	12.10	2470				
7	3.15	5820	12.15	2580				
8	3.15	586	12.10	2450				
9	3.15	5810	12.10	2430				
10	3.10	5750	12.15	2560				
11	3.15	5820	1215	2500				
12	3.10	5790	12.10	2370				
13	3.10	5720	12	2400				
14	3	5700	12.10	2430				
15	3.10	5750	12	2400				
16	3.10	5760	12.10	2450				
17	3.10	5740	12	2400				
18	3	5700	12.10	2430				
19	3.10	5720	12.10	2456				
Total								

Comments:

9

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 143 PERFORMED BY: Howard

DATE: 2 18 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

2000SPC Minefield Center

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5740	11.90	2370				
21	3.10	5710	12.10	2460				
22	3.15	5820	12.10	2490				
23	3.10	5730	12	2400				
24	3.15	5840	12.10	2470				
25	3.10	5790	12.15	2520				
26	3.10	5700	12.10	2460				
27	3.10	5720	12.	2400				
28	3.10	5770	12.10	2490				
29	3.15	5810	12.10	2450				
30	3.	5710	11.90	2350				
31								
32								
33								
34								
35								
36								
37								
38								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 143 PERFORMED BY: F. Helderm

DATE: 2/8/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3.0 CY 5700 Pounds } 8100
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: 5700		STRAW Supplier: 2400		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5800	12.15	2500				
2	3.15	5800	12	2400				
3	3.0	5700	12	2400				
4	3.20	6000	12.15	2500				
5	3.15	5800	12	2400				
6	3.20	5900	12.15	2500				
7	3.20	5900	12.20	2600				
8	3.20	5700	12	2400				
9	3.20	5900	12	2400				
10	3.20	6000	12	2400				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S143	2/8/00	2/8/00	0		12.10
		2/9/00	1	44.17	28.03
		2/10/00	2	40.13	37.97
		2/11/00	3	28.43	30.67
		2/12/00	4	58.43	56.80
		2/13/00	5	55.10	54.13
		2/14/00	6	57.10	51.63
		2/15/00	7	48.43	45.67
		2/16/00	8	49.23	47.73
		2/17/00	9	60.53	50.23
		2/18/00	10	51.77	38.50
		2/19/00	11	54.13	54.47
		2/20/00	12	57.50	53.10

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S143	2/8/00	2/8/00	0		19.27
		2/9/00	1	2.10	5.00
		2/10/00	2	5.77	17.93
		2/11/00	3	3.83	7.20
		2/12/00	4	14.87	17.10
		2/13/00	5	15.97	15.40
		2/14/00	6	16.70	16.23
		2/15/00	7	17.79	18.20
		2/16/00	8	20.00	19.63
		2/17/00	9	20.30	20.53
		2/18/00	10	18.80	15.53
		2/19/00	11	16.03	

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S143	2/8/00	2/8/00	0		62.52
		2/10/00	2		51.68
		2/14/00	6		43.26
		2/15/00	7		42.68
		2/16/00	8		48.36
		2/18/00	10		43.82

All average MWHC values are expressed in percent

Windrow Number: S143 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	02/08/00	02/21/00	13	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
135TNB	02/08/00	02/21/00	13	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
135TNB	02/08/00	02/21/00	13	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
135TNB	02/08/00	02/21/00	13	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
135TNB	02/08/00	02/21/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 13 : 494

Standard Deviation: 11

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S143 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	02/08/00	02/21/00	13	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
13DNB	02/08/00	02/21/00	13	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
13DNB	02/08/00	02/21/00	13	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
13DNB	02/08/00	02/21/00	13	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
13DNB	02/08/00	02/21/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 13 : ***494***

Standard Deviation: ***11***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S143 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	02/08/00	02/21/00	13	03	1	LT 500	
					2	562	
					3	LT 476	
					Average Concentration for Cross Section 03 :		*513*
246TNT	02/08/00	02/21/00	13	05	1	161 J	
					2	242 J	
					3	LT 500	
					Average Concentration for Cross Section 05 :		*301*
246TNT	02/08/00	02/21/00	13	07	1	LT 500	
					2	170 J	
					3	LT 476	
					Average Concentration for Cross Section 07 :		*382*
246TNT	02/08/00	02/21/00	13	09	1	LT 500	
					2	241 J	
					3	LT 500	
					Average Concentration for Cross Section 09 :		*414*
246TNT	02/08/00	02/21/00	13	11	1	LT 476	
					2	290 J	
					3	523	
					Average Concentration for Cross Section 11 :		*430*

Average Concentration for Windrow on Day 13 : ***408***

Standard Deviation: ***141***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S143 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	02/08/00	02/21/00	13	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
24DNT	02/08/00	02/21/00	13	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
24DNT	02/08/00	02/21/00	13	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
24DNT	02/08/00	02/21/00	13	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
24DNT	02/08/00	02/21/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 13 : 494

Standard Deviation: 11

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S143 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	02/08/00	02/21/00	13	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
26DNT	02/08/00	02/21/00	13	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
26DNT	02/08/00	02/21/00	13	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
26DNT	02/08/00	02/21/00	13	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
26DNT	02/08/00	02/21/00	13	11	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 13 : ***494***

Standard Deviation: ***11***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S143 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	02/08/00	02/21/00	13	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
2A46DT	02/08/00	02/21/00	13	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
2A46DT	02/08/00	02/21/00	13	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
2A46DT	02/08/00	02/21/00	13	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
2A46DT	02/08/00	02/21/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 13 : 494

Standard Deviation: 11

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S143 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	02/08/00	02/21/00	13	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
2NT	02/08/00	02/21/00	13	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
2NT	02/08/00	02/21/00	13	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
2NT	02/08/00	02/21/00	13	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
2NT	02/08/00	02/21/00	13	11	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 13 : ***494***

Standard Deviation: ***11***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S143 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	02/08/00	02/21/00	13	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
3NT	02/08/00	02/21/00	13	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
3NT	02/08/00	02/21/00	13	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
3NT	02/08/00	02/21/00	13	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
3NT	02/08/00	02/21/00	13	11	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 13 : 494

Standard Deviation: 11

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S143 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	02/08/00	02/21/00	13	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
4A26DT	02/08/00	02/21/00	13	05	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
4A26DT	02/08/00	02/21/00	13	07	1	LT	500
					2		316 J
					3	LT	476
				Average Concentration for Cross Section 07 :			*431*
4A26DT	02/08/00	02/21/00	13	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
4A26DT	02/08/00	02/21/00	13	11	1	LT	476
					2		325 J
					3	LT	500
				Average Concentration for Cross Section 11 :			*434*

Average Concentration for Windrow on Day 13 : ***470***

Standard Deviation: ***62***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S143 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	02/08/00	02/21/00	13	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
4NT	02/08/00	02/21/00	13	05	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
4NT	02/08/00	02/21/00	13	07	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*492*
4NT	02/08/00	02/21/00	13	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
4NT	02/08/00	02/21/00	13	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 13 : ***494***

Standard Deviation: ***11***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S143 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	02/08/00	02/21/00	13	03	1	479 J	
					2	2650	
					3	1260	
				Average Concentration for Cross Section 03 :			*1463*
HMX	02/08/00	02/21/00	13	05	1	753	
					2	3390	
					3	353 J	
				Average Concentration for Cross Section 05 :			*1499*
HMX	02/08/00	02/21/00	13	07	1	963	
					2	5440	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*2293*
HMX	02/08/00	02/21/00	13	09	1	LT 500	
					2	1570	
					3	1080	
				Average Concentration for Cross Section 09 :			*1050*
HMX	02/08/00	02/21/00	13	11	1	708	
					2	2880	
					3	6170	
				Average Concentration for Cross Section 11 :			*3253*

Average Concentration for Windrow on Day 13 : 1911

Standard Deviation: 1846

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S143 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	02/08/00	02/21/00	13	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
NB	02/08/00	02/21/00	13	05	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
NB	02/08/00	02/21/00	13	07	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*492*
NB	02/08/00	02/21/00	13	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
NB	02/08/00	02/21/00	13	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 13 : 494

Standard Deviation: 11

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S143 **RDX Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	02/08/00	02/21/00	13	03	1	LT 500	
					2	2310	
					3	6140	
				Average Concentration for Cross Section 03 :			*2983*
RDX	02/08/00	02/21/00	13	05	1	1440	
					2	8220	
					3	2580	
				Average Concentration for Cross Section 05 :			*4080*
RDX	02/08/00	02/21/00	13	07	1	2380	
					2	4200	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*2352*
RDX	02/08/00	02/21/00	13	09	1	450 J	
					2	2170	
					3	1720	
				Average Concentration for Cross Section 09 :			*1447*
RDX	02/08/00	02/21/00	13	11	1	2860	
					2	1690	
					3	9430	
				Average Concentration for Cross Section 11 :			*4660*

Average Concentration for Windrow on Day 13 : 3104

Standard Deviation: 2757

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S143

TETRYL Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	02/08/00	02/21/00	13	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
TETRYL	02/08/00	02/21/00	13	05	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
TETRYL	02/08/00	02/21/00	13	07	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*492*
TETRYL	02/08/00	02/21/00	13	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
TETRYL	02/08/00	02/21/00	13	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 13 : ***494***

Standard Deviation: ***11***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-144 Day 0: 2/22/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5770	12.5	2680	5.275	11605	20.775	20055
2	3	5670	12.25	2610	5.275	11605	20.525	19885
3	3.3	5880	12.25	2570	5.275	11605	20.825	20055
4	3.25	5800	12.1	2470	5.275	11605	20.625	19875
5	3	5740	12	2450	5.275	11605	20.275	19795
6	3.75	5850	12.25	2520	5.275	11605	21.275	19975
7	3	5720	12	2380	5.275	11605	20.275	19705
8	3.25	5910	13	28	5.275	11605	21.525	17543
9	3.25	5830	12.25	2590	5.275	11605	20.775	20025
10	3	5790	12.15	2490	5.275	11605	20.425	19885
11	3.5	5840	12.5	2610	5.275	11605	21.275	20055
12	3	5700	12.25	2560	5.275	11605	20.525	19865
13	3.25	5820	12.25	2810	5.275	11605	20.775	20235
14	3.25	5800	12	2400	5.275	11605	20.525	19805
15	3.25	5850	12	2740	5.275	11605	20.525	20195
16	3	5710	12.25	2840	5.275	11605	20.525	20155
17	3	5730	12.25	2570	5.275	11605	20.525	19905
18	3.25	5810	12.15	2700	5.275	11605	20.675	20115
19	3.15	5790	12.15	2790	5.275	11605	20.575	20185
20	3	5740	12.25	2510	5.275	11605	20.525	19855
21	3.25	5820	12.1	2470	5.275	11605	20.625	19895
22	3	5730	12.1	2490	5.275	11605	20.375	19825
23	3.25	5820	12	2400	5.275	11605	20.525	19825
24	3.15	5790	12.25	2520	5.275	11605	20.675	19915
25	3.25	5830	12.1	2440	5.275	11605	20.625	19875
26	3.15	5760	12.15	2490	5.275	11605	20.575	19855
27	3.25	5870	12	2400	5.275	11605	20.525	19875
28	3	5720	12.15	2450	5.275	11605	20.425	19775
29	3	5630	12.25	2520	5.275	11605	20.525	19755
30	3	5700	12.5	2630	5.275	11605	20.775	19935
31	3.2	5810	12.5	2670	5.275	11605	20.975	20085
32	3.2	5800	12.5	2710	5.275	11605	20.975	20115
33	3	5650	12.5	2650	5.275	11605	20.775	19905
34	3.2	5730	12.5	2580	5.275	11605	20.975	19915
35	3.2	5760	12.5	2470	5.275	11605	20.975	19835
36	3.5	5850	12.9	2900	5.275	11605	21.675	20355
37	3.2	5800	12.5	2470	5.275	11605	20.975	19875
38	3	5700	12.25	2520	5.275	11605	20.525	19825
39	3.2	5750	12.5	2700	5.275	11605	20.975	20055
40					5.275	11605	5.275	11605
41								
42								
43								
Total	123.45	225270	479.05	97798	211.00	464200	813.5	787268

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M14 PERFORMED BY: Howard

DATE: 2/21/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5770	12.50	2680				
2	2	5670	12.25	2610				
3	3.30	5880	12.25	2570				
4	3.25	5800	12.10	2470				
5	3	5740	12.	2450				
6	3.25	5950	12.25	2520				
7	3	5720	12	2360				
8	3.25	5910	13	28				
9	3.25	5830	12.25	2590				
10	3	5790	12.15	2490				
11	3.50	5840	12.50	2610				
12	3	5700	12.25	2560				
13	3.25	5820	12.25	2810				
14	3.25	5800	12	2400				
15	3.25	5850	12	2770				
16	3	5710	12.25	2840				
17	~~3.25~~ 3	5730	12.25	~~3700~~ 2570				
18	3.25	5810	12.15	2700				
19	3.15	5790	12.15	2790				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 144 PERFORMED BY: Howard

DATE: 2/21/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
21	3	5740	12.25	2510				
22	3.25	5820	12.10	2470				
23	3	5730	12.10	2490				
24	3.25	5820	12	2400				
25	3.15	5790	12.25	2520				
26	3.25	5830	12.10	2440				
27	3.15	5760	12.15	2490				
28	3.25	5870	12	2400				
29	3	5720	12.15	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M14Y PERFORMED BY: Daghoff

DATE: 2/21/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5630	12.25	2520				
2	3.00	5700	12.50	2630				
3	3.20	5810	12.50	2670				
4	3.20	5800	12.50	2710				
5	3	5650	12.50	2650				
6	3.20	5730	12.50	2580				
7	3.20	5760	12.5	2470				
8	3.50	5850	12.90	2900				
9	3.2	5800	12.50	2470				
10	3.0	5700	12.25	2520				
11	3.2	5750	12.50	2700				
12								
13								
14								
15								
16								
17								
18								
19								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M144	2/22/00	2/22/00	0		16.47
		2/23/00	1	38.97	32.63
		2/24/00	2	41.30	40.83
		2/25/00	3	62.03	59.50
		2/26/00	4	43.47	43.90
		2/27/00	5	60.93	60.20
		2/28/00	6	53.17	54.47
		2/29/00	7	67.93	63.77
		3/1/00	8	62.30	48.40
		3/2/00	9	63.00	56.97

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M144	2/22/00	2/22/00	0		18.60
		2/23/00	1	3.33	4.43
		2/24/00	2	17.83	19.27
		2/25/00	3	5.70	10.77
		2/26/00	4	17.31	17.33
		2/27/00	5	13.43	18.60
		2/28/00	6	18.47	18.37
		2/29/00	7	6.47	13.07
		3/1/00	8	14.17	11.77
		3/2/00	9	17.63	18.47

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M144	2/22/00	2/22/00	0		58.36
		2/24/00	2		53.40
		2/27/00	5		38.98
		2/28/00	6		54.86

All average MWHC values are expressed in percent

Windrow Number: M144 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	02/22/00	03/03/00	10	03	1	LT	417	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*464*
135TNB	02/22/00	03/03/00	10	05	1	LT	476	
					2		465	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*465*
135TNB	02/22/00	03/03/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
135TNB	02/22/00	03/03/00	10	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
135TNB	02/22/00	03/03/00	10	11	1	LT	454	
					2		167 J	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*374*

Average Concentration for Windrow on Day 10 : 450

Standard Deviation: 82

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M144 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	02/22/00	03/03/00	10	03	1	LT	417	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*464*
13DNB	02/22/00	03/03/00	10	05	1	LT	476	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
13DNB	02/22/00	03/03/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
13DNB	02/22/00	03/03/00	10	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
13DNB	02/22/00	03/03/00	10	11	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : 467

Standard Deviation: 27

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M144 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	02/22/00	03/03/00	10	03	1	LT	417	
					2		286 J	
					3		279 J	
				Average Concentration for Cross Section 03 :				*327*
246TNT	02/22/00	03/03/00	10	05	1	LT	476	
					2		28000	
					3		1040	
				Average Concentration for Cross Section 05 :				*9839*
246TNT	02/22/00	03/03/00	10	07	1		176 J	
					2		203 J	
					3		263 J	
				Average Concentration for Cross Section 07 :				*214*
246TNT	02/22/00	03/03/00	10	09	1	LT	476	
					2		17400	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*6104*
246TNT	02/22/00	03/03/00	10	11	1	LT	454	
					2		9640	
					3		27600	
				Average Concentration for Cross Section 11 :				*12565*

Average Concentration for Windrow on Day 10 : ***5810***

Standard Deviation: ***10133***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M144 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	02/22/00	03/03/00	10	03	1	LT	417	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*464*
24DNT	02/22/00	03/03/00	10	05	1	LT	476	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
24DNT	02/22/00	03/03/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
24DNT	02/22/00	03/03/00	10	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
24DNT	02/22/00	03/03/00	10	11	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : 467

Standard Deviation: 27

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M144 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	02/22/00	03/03/00	10	03	1	LT	417
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*464*
26DNT	02/22/00	03/03/00	10	05	1	LT	476
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 05 :			*455*
26DNT	02/22/00	03/03/00	10	07	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*485*
26DNT	02/22/00	03/03/00	10	09	1	LT	476
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 09 :			*462*
26DNT	02/22/00	03/03/00	10	11	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*469*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: *27*

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M144 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	02/22/00	03/03/00	10	03	1	LT	417
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*464*
2A46DT	02/22/00	03/03/00	10	05	1	LT	476
					2		188 J
					3	LT	454
				Average Concentration for Cross Section 05 :			*373*
2A46DT	02/22/00	03/03/00	10	07	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*485*
2A46DT	02/22/00	03/03/00	10	09	1	LT	476
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 09 :			*462*
2A46DT	02/22/00	03/03/00	10	11	1	LT	454
					2	LT	454
					3		337 J
				Average Concentration for Cross Section 11 :			*415*

Average Concentration for Windrow on Day 10 : ***440***

Standard Deviation: ***81***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M144 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	02/22/00	03/03/00	10	03	1	LT 417	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*464*
2NT	02/22/00	03/03/00	10	05	1	LT 476	
					2	LT 435	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*455*
2NT	02/22/00	03/03/00	10	07	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
2NT	02/22/00	03/03/00	10	09	1	LT 476	
					2	LT 476	
					3	LT 435	
				Average Concentration for Cross Section 09 :			*462*
2NT	02/22/00	03/03/00	10	11	1	LT 454	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*469*

Average Concentration for Windrow on Day 10 : 467

Standard Deviation: 27

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M144 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	02/22/00	03/03/00	10	03	1	LT 417	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*464*
3NT	02/22/00	03/03/00	10	05	1	LT 476	
					2	LT 435	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*455*
3NT	02/22/00	03/03/00	10	07	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
3NT	02/22/00	03/03/00	10	09	1	LT 476	
					2	LT 476	
					3	LT 435	
				Average Concentration for Cross Section 09 :			*462*
3NT	02/22/00	03/03/00	10	11	1	LT 454	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*469*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: *27*

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M144 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	02/22/00	03/03/00	10	03	1	LT	417	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*464*
4A26DT	02/22/00	03/03/00	10	05	1	LT	476	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
4A26DT	02/22/00	03/03/00	10	07	1	LT	500	
					2	LT	454	
					3		337 J	
				Average Concentration for Cross Section 07 :				*430*
4A26DT	02/22/00	03/03/00	10	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
4A26DT	02/22/00	03/03/00	10	11	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : 456

Standard Deviation: 41

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M144 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	02/22/00	03/03/00	10	03	1	LT	417	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*464*
4NT	02/22/00	03/03/00	10	05	1	LT	476	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
4NT	02/22/00	03/03/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
4NT	02/22/00	03/03/00	10	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
4NT	02/22/00	03/03/00	10	11	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : 467

Standard Deviation: 27

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M144 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration* UGKG
HMX	02/22/00	03/03/00	10	03	1	119 J
					2	873
					3	792
				Average Concentration for Cross Section 03 :		*595*
HMX	02/22/00	03/03/00	10	05	1	1460
					2	1300
					3	2470
				Average Concentration for Cross Section 05 :		*1743*
HMX	02/22/00	03/03/00	10	07	1	3180
					2	3110
					3	1790
				Average Concentration for Cross Section 07 :		*2693*
HMX	02/22/00	03/03/00	10	09	1	407 J
					2	1560
					3	1980
				Average Concentration for Cross Section 09 :		*1316*
HMX	02/22/00	03/03/00	10	11	1	1630
					2	1770
					3	2050
				Average Concentration for Cross Section 11 :		*1817*

Average Concentration for Windrow on Day 10 : ***1633***

Standard Deviation: ***880***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M144 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	02/22/00	03/03/00	10	03	1	LT	417
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*464*
NB	02/22/00	03/03/00	10	05	1	LT	476
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 05 :			*455*
NB	02/22/00	03/03/00	10	07	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*485*
NB	02/22/00	03/03/00	10	09	1	LT	476
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 09 :			*462*
NB	02/22/00	03/03/00	10	11	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*469*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***27***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M144 **RDX Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	02/22/00	03/03/00	10	03	1	667	
					2	4180	
					3	2490	
				Average Concentration for Cross Section 03 :			*2446*
RDX	02/22/00	03/03/00	10	05	1	870	
					2	5790	
					3	7450	
				Average Concentration for Cross Section 05 :			*4703*
RDX	02/22/00	03/03/00	10	07	1	23800	
					2	22900	
					3	6080	
				Average Concentration for Cross Section 07 :			*17593*
RDX	02/22/00	03/03/00	10	09	1	1200	
					2	2940	
					3	11300	
				Average Concentration for Cross Section 09 :			*5147*
RDX	02/22/00	03/03/00	10	11	1	5530	
					2	4670	
					3	6200	
				Average Concentration for Cross Section 11 :			*5467*

Average Concentration for Windrow on Day 10 : *7071*

Standard Deviation: *7173*

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M144 **TETRYL Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	02/22/00	03/03/00	10	03	1	LT	417
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*464*
TETRYL	02/22/00	03/03/00	10	05	1	LT	476
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 05 :			*455*
TETRYL	02/22/00	03/03/00	10	07	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*485*
TETRYL	02/22/00	03/03/00	10	09	1	LT	476
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 09 :			*462*
TETRYL	02/22/00	03/03/00	10	11	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*469*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***27***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-145 Day 0: 2/24/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.15	5820	12.1	2450	5.275	11605	20.525	19875
2	3.1	5760	12.15	2560	5.275	11605	20.525	19925
3	3.1	5740	12.1	2490	5.275	11605	20.475	19835
4	3.1	5780	12.15	2530	5.275	11605	20.525	19915
5	3.15	5830	12.15	2570	5.275	11605	20.575	20005
6	3.1	5770	12.1	2430	5.275	11605	20.475	19805
7	3.1	5790	12.15	2580	5.275	11605	20.525	19975
8	3	5710	12	2400	5.275	11605	20.275	19715
9	3.1	5760	12.15	2570	5.275	11605	20.525	19935
10	3.1	5750	12.1	2440	5.275	11605	20.475	19795
11	3	5700	12.1	2420	5.275	11605	20.375	19725
12	3	5700	12.5	2600	5.275	11605	20.775	19905
13	3.15	5820	12.15	2590	5.275	11605	20.575	20015
14	3.1	5730	12.15	2440	5.275	11605	20.525	19775
15	3.1	5750	12.1	2450	5.275	11605	20.475	19805
16	3	5700	12.1	2470	5.275	11605	20.375	19775
17	3.15	5820	12.15	2540	5.275	11605	20.575	19965
18	3.1	5780	12.1	2490	5.275	11605	20.475	19875
19	3.15	5700	12.1	2450	5.275	11605	20.525	19755
20	3	5770	12.15	2590	5.275	11605	20.425	19965
21	3	5710	13	2700	5.275	11605	21.275	20015
22	3.25	5800	12	2370	5.275	11605	20.525	19775
23	3.1	5750	12.25	2560	5.275	11605	20.625	19915
24	4	6110	13	2780	5.275	11605	22.275	20495
25	3.75	6150	13	2750	5.275	11605	22.025	20505
26	3.1	5750	12	2420	5.275	11605	20.375	19775
27	3.25	5810	12.25	2560	5.275	11605	20.775	19975
28	3	5680	12	2390	5.275	11605	20.275	19675
29	3.25	5820	13.25	2870	5.275	11605	21.775	20295
30	3.75	6140	13.5	2930	5.275	11605	22.525	20675
31	3.15	5780	12.25	2570	5.275	11605	20.675	19955
32	3.5	5890	12.5	2640	5.275	11605	21.275	20135
33	3.75	6150	13	2700	5.275	11605	22.025	20455
34	3.25	5800	13.5	2410	5.275	11605	22.025	19815
35	3.15	5750	12.25	2570	5.275	11605	20.675	19925
36	3.25	5770	12.5	2570	5.275	11605	21.025	19945
37	3	5680	12	2480	5.275	11605	20.275	19765
38	3.15	5800	12.25	2520	5.275	11605	20.675	19925
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	121.4	220520	469.25	96850	211.00	464200	801.65	781570

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 145 PERFORMED BY: Hound

DATE: 02 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5820	12.10	2450				
2	3.10	5760	12.15	2560				
3	3.10	5740	12.10	2490				
4	3.10	5760	12.15	2530				
5	3.15	5830	12.15	2570				
6	3.10	5770	12.10	2430				
7	3.10	5790	12.15	2580				
8	3	5710	12	2400				
9	3.10	5760	12.15	2570				
10	3.10	5750	12.10	2440				
11	3	5700	12.10	2420				
12	3	5700	12.50	2600				
13	3.15	5820	12.15	2590				
14	3.10	5730	12.10	2440				
15	3.10	5750	12.10	2450				
16	3	5700	12.10	2470				
17	3.15	5820	12.15	2540				
18	3.10	5780	12.10	2490				
19	3.15	51	12.10	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 145 PERFORMED BY: _____

DATE: 21 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5770	12.15	2590				
2	3	5710	13.	2700				
3	3.25	5800	12	2370				
4	3.10	5750	12.25	2560				
5	4	6710	13	2780				
6	3.75	6150	13	2750				
7	3.10	5750	12	2470				
8	3.25	5810	12.25	2560				
9	3	5680	12	2390				
10	3.25	5820	13.25	2870				
11	3.75	6140	13.50	2930				
12	3.15	5780	12.25	2570				
13	3.50	5890	12.50	2640				
14	3.75	6150	13	2700				
15	3.25	5860	13.5	2910				
16	3.45	5750	12.25	2570				
17								
18								
19								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M145 PERFORMED BY: Howard

DATE: 2-23-00 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY _____ Pounds
Straw _____ CY _____ Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
17	3.25	5800	12.50	2570				
18	3	5680	12	2480				
19	3.15	5720	12.25	2520				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M145	2/24/00	2/24/00	0		11.73
		2/25/00	1	41.53	39.90
		2/26/00	2	64.13	62.80
		2/27/00	3	58.40	58.40
		2/28/00	4	62.07	54.63
		2/29/00	5	63.97	64.07
		3/1/00	6	63.07	60.23
		3/2/00	7	60.77	59.93
		3/3/00	8	57.63	55.90

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M145	2/24/00	2/24/00	0		19.13
		2/25/00	1	10.20	15.20
		2/26/00	2	4.67	13.13
		2/27/00	3	17.67	18.33
		2/28/00	4	18.53	18.43
		2/29/00	5	18.77	18.17
		3/1/00	6	14.50	19.03
		3/2/00	7	18.90	19.03
		3/3/00	8	15.50	16.47

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M145	2/24/00	2/24/00	0		54.82
		2/27/00	3		34.98
		2/28/00	4		47.68
		2/29/00	5		51.38
		3/2/00	7		55.86

All average MWHC values are expressed in percent

Windrow Number: M145 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	02/24/00	03/06/00	11	03	1	LT	476	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*455*
135TNB	02/24/00	03/06/00	11	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
135TNB	02/24/00	03/06/00	11	07	1	LT	500	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*470*
135TNB	02/24/00	03/06/00	11	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
135TNB	02/24/00	03/06/00	11	11	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 11 : 470

Standard Deviation: 25

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M145 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	02/24/00	03/06/00	11	03	1	LT	476	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*455*
13DNB	02/24/00	03/06/00	11	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
13DNB	02/24/00	03/06/00	11	07	1	LT	500	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*470*
13DNB	02/24/00	03/06/00	11	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
13DNB	02/24/00	03/06/00	11	11	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 11 : 470

Standard Deviation: 25

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M145 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	02/24/00	03/06/00	11	03	1	LT 476	
					2	163 J	
					3	LT 435	
					Average Concentration for Cross Section 03 :		*358*
246TNT	02/24/00	03/06/00	11	05	1	LT 500	
					2	LT 476	
					3	LT 476	
					Average Concentration for Cross Section 05 :		*484*
246TNT	02/24/00	03/06/00	11	07	1	LT 500	
					2	153 J	
					3	306 J	
					Average Concentration for Cross Section 07 :		*320*
246TNT	02/24/00	03/06/00	11	09	1	LT 476	
					2	3000	
					3	LT 435	
					Average Concentration for Cross Section 09 :		*1304*
246TNT	02/24/00	03/06/00	11	11	1	LT 500	
					2	LT 435	
					3	LT 500	
					Average Concentration for Cross Section 11 :		*478*

Average Concentration for Windrow on Day 11 : 589

Standard Deviation: 677

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M145 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	02/24/00	03/06/00	11	03	1	LT	476	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*455*
24DNT	02/24/00	03/06/00	11	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
24DNT	02/24/00	03/06/00	11	07	1	LT	500	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*470*
24DNT	02/24/00	03/06/00	11	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
24DNT	02/24/00	03/06/00	11	11	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 11 : 470

Standard Deviation: 25

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M145 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	02/24/00	03/06/00	11	03	1	LT	476	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*455*
26DNT	02/24/00	03/06/00	11	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
26DNT	02/24/00	03/06/00	11	07	1	LT	500	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*470*
26DNT	02/24/00	03/06/00	11	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
26DNT	02/24/00	03/06/00	11	11	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 11 : ***470***

Standard Deviation: ***25***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M145 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	02/24/00	03/06/00	11	03	1	LT	476
					2	LT	454
					3	LT	435
				Average Concentration for Cross Section 03 :			*455*
2A46DT	02/24/00	03/06/00	11	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
2A46DT	02/24/00	03/06/00	11	07	1	LT	500
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*470*
2A46DT	02/24/00	03/06/00	11	09	1	LT	476
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 09 :			*462*
2A46DT	02/24/00	03/06/00	11	11	1	LT	500
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 11 : ***470***

Standard Deviation: ***25***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M145 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	02/24/00	03/06/00	11	03	1	LT	476
					2	LT	454
					3	LT	435
				Average Concentration for Cross Section 03 :			*455*
2NT	02/24/00	03/06/00	11	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
2NT	02/24/00	03/06/00	11	07	1	LT	500
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*470*
2NT	02/24/00	03/06/00	11	09	1	LT	476
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 09 :			*462*
2NT	02/24/00	03/06/00	11	11	1	LT	500
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 11 : 470

Standard Deviation: 25

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M145 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	02/24/00	03/06/00	11	03	1	LT	476	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*455*
3NT	02/24/00	03/06/00	11	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
3NT	02/24/00	03/06/00	11	07	1	LT	500	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*470*
3NT	02/24/00	03/06/00	11	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
3NT	02/24/00	03/06/00	11	11	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 11 : ***470***

Standard Deviation: *25*

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M145 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	02/24/00	03/06/00	11	03	1	LT	476
					2		235 J
					3	[redacted]	435
				Average Concentration for Cross Section 03 :			*382*
4A26DT	02/24/00	03/06/00	11	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
4A26DT	02/24/00	03/06/00	11	07	1	LT	500
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*470*
4A26DT	02/24/00	03/06/00	11	09	1	LT	476
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 09 :			*462*
4A26DT	02/24/00	03/06/00	11	11	1	LT	500
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 11 : ***455***

Standard Deviation: ***66***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M145 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	02/24/00	03/06/00	11	03	1	LT	476
					2	LT	454
					3	LT	435
				Average Concentration for Cross Section 03 :			*455*
4NT	02/24/00	03/06/00	11	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
4NT	02/24/00	03/06/00	11	07	1	LT	500
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*470*
4NT	02/24/00	03/06/00	11	09	1	LT	476
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 09 :			*462*
4NT	02/24/00	03/06/00	11	11	1	LT	500
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 11 : 470

Standard Deviation: 25

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M145 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration* UGKG
HMX	02/24/00	03/06/00	11	03	1		176 J
					2		2480
					3		236 J
				Average Concentration for Cross Section 03 :			*964*
HMX	02/24/00	03/06/00	11	05	1		509
					2		501
					3		225 J
				Average Concentration for Cross Section 05 :			*412*
HMX	02/24/00	03/06/00	11	07	1		220 J
					2		604
					3		388 J
				Average Concentration for Cross Section 07 :			*404*
HMX	02/24/00	03/06/00	11	09	1		69.2 J
					2		992
					3	LT	435
				Average Concentration for Cross Section 09 :			*499*
HMX	02/24/00	03/06/00	11	11	1		315 J
					2		65.3 J
					3	LT	500
				Average Concentration for Cross Section 11 :			*293*

Average Concentration for Windrow on Day 11 : ***514***

Standard Deviation: ***593***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M145 **NITROBENZENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	02/24/00	03/06/00	11	03	1	LT	476	
					2	LT	454	
					3	LT	435	
					Average Concentration for Cross Section 03 :			*455*
NB	02/24/00	03/06/00	11	05	1	LT	500	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*484*
NB	02/24/00	03/06/00	11	07	1	LT	500	
					2	LT	476	
					3	LT	435	
					Average Concentration for Cross Section 07 :			*470*
NB	02/24/00	03/06/00	11	09	1	LT	476	
					2	LT	476	
					3	LT	435	
					Average Concentration for Cross Section 09 :			*462*
NB	02/24/00	03/06/00	11	11	1	LT	500	
					2	LT	435	
					3	LT	500	
					Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 11 : ***470***

Standard Deviation: ***25***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M145 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
RDX	02/24/00	03/06/00	11	03	1	1670	
					2	13100	
					3	3120	
				Average Concentration for Cross Section 03 :			*5963*
RDX	02/24/00	03/06/00	11	05	1	5190	
					2	2430	
					3	2660	
				Average Concentration for Cross Section 05 :			*3427*
RDX	02/24/00	03/06/00	11	07	1	2780	
					2	3510	
					3	1440	
				Average Concentration for Cross Section 07 :			*2577*
RDX	02/24/00	03/06/00	11	09	1	719	
					2	2770	
					3	788	
				Average Concentration for Cross Section 09 :			*1426*
RDX	02/24/00	03/06/00	11	11	1	1820	
					2	1590	
					3	396 J	
				Average Concentration for Cross Section 11 :			*1269*

Average Concentration for Windrow on Day 11 : ***2932***

Standard Deviation: ***3071***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M145 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	02/24/00	03/06/00	11	03	1	LT	476	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*455*
TETRYL	02/24/00	03/06/00	11	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
TETRYL	02/24/00	03/06/00	11	07	1	LT	500	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*470*
TETRYL	02/24/00	03/06/00	11	09	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*462*
TETRYL	02/24/00	03/06/00	11	11	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 11 : ***470***

Standard Deviation: ***25***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-146 Day 0: 02/28/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5770	12.25	2510	5.275	11605	20.675	19885
2	3.15	5810	12.4	2650	5.275	11605	20.825	20065
3	3.15	5840	12.25	2550	5.275	11605	20.675	19995
4	3.15	5900	12.4	2680	5.275	11605	20.825	20185
5	3.2	5800	12.5	2750	5.275	11605	20.975	20155
6	3.15	5780	12.5	2780	5.275	11605	20.925	20165
7	3.25	5810	12	2490	5.275	11605	20.525	19905
8	3	5770	12.4	2650	5.275	11605	20.675	20025
9	3.25	5880	12.75	2850	5.275	11605	21.275	20335
10	3	5700	12	2400	5.275	11605	20.275	19705
11	3.75	5900	12.75	2850	5.275	11605	21.775	20355
12	3	5760	12	2400	5.275	11605	20.275	19765
13	3.25	5810	12.4	2560	5.275	11605	20.925	19975
14	3	5680	12.5	2620	5.275	11605	20.775	19905
15	3.75	5870	12.75	2810	5.275	11605	21.775	20285
16	4	6050	13	2990	5.275	11605	22.275	20645
17	3.25	5830	12.5	2770	5.275	11605	21.025	20205
18	4.1	6110	13	2950	5.275	11605	22.375	20665
19	3.15	5770	12.3	2520	5.275	11605	20.725	19895
20	3.1	5790	12.15	2570	5.275	11605	20.525	19965
21	3.1	5720	12.1	2490	5.275	11605	20.475	19815
22	3.1	5750	12.1	2440	5.275	11605	20.475	19795
23	3	5700	12.1	2420	5.275	11605	20.375	19725
24	3.1	5730	12.15	2590	5.275	11605	20.525	19925
25	3.1	5770	12.2	2670	5.275	11605	20.575	20045
26	3.1	5780	12.15	2560	5.275	11605	20.525	19945
27	3.1	5750	12.15	2590	5.275	11605	20.525	19945
28	3.1	5790	12.2	2630	5.275	11605	20.575	20025
29	3.15	5820	12.15	2550	5.275	11605	20.575	19975
30	3.1	5720	12.1	2440	5.275	11605	20.475	19765
31	3.15	5810	12.2	2640	5.275	11605	20.625	20055
32	3	5700	12.1	2460	5.275	11605	20.375	19765
33	3.1	5760	12	2400	5.275	11605	20.375	19765
34	3.1	5720	12.2	2600	5.275	11605	20.575	19925
35	3.1	5790	12.1	2460	5.275	11605	20.475	19855
36	3.1	5750	12.2	2580	5.275	11605	20.575	19935
37	3.15	5860	12.2	2690	5.275	11605	20.625	20155
38	3.1	5740	12.1	2480	5.275	11605	20.475	19825
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	121.4	220290	467.3	99040	211.00	464200	799.85	783530

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 146 PERFORMED BY: Howard

DATE: 212800 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.15	2570				
2	3.10	5720	12.10	2490				
3	3.10	5750	12.10	2440				
4	3	5700	12.10	2420				
5	3.10	5730	12.15	2590				
6	3.10	5770	12.20	2670				
7	3.10	5780	12.15	2560				
8	3.10	5750	12.15	2590				
9	3.10	5790	12.20	2630				
10	3.15	5820	12.15	2550				
11	3.10	5720	12.10	2440				
12	3.15	5810	12.20	2640				
13	3	5700	12.10	2460				
14	3.10	5760	12	2400				
15	3.10	5720	12.20	2600				
16	3.10	5790	12.10	2460				
17	3.10	5750	12.20	2580				
18	3.15	5860	12.20	2690				
19	3.10	5740	12.10	2480				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # S146 PERFORMED BY: Daykuff

DATE: 2/28/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil 5.3 CY 11660 Pounds

Batch Number	CHICKEN MANURE Supplier: WABASHUCKY PRODUCE		STRAW Supplier: LOUDERMILK FARMS		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5770	12.25	2510				
2	3.15	5810	12.40	2650				
3	3.15	5840	12.25	2550				
4	3.25	5900	12.40	2680				
5	3.20	5800	12.50	2750				
6	3.15	5780	12.50	2780				
7	3.25	5810	12	2490				
8	3	5770	12.40	2650				
9	3.25	5880	12.75	2850				
10	3.0	5700	12.0	2400				
11	3.75	5900	12.75	2850				
12	3	5760	12	2400				
13	3.25	5810	12.40	2560				
14	3	5680	12.50	2620				
15	3.75	5870	12.75	2810				
16	4	6050	13	2990				
17	3.25	5830	12.50	2770				
18	4.10	6110	13	2950				
19	3.05	5770	12.30	2520				
Total								

comp 1400

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S146	2/28/00	2/28/00	0		19.60
		2/29/00	1	42.70	41.00
		3/1/00	2	61.73	58.40
		3/15/00	16	54.73	52.23
		3/16/00	17	51.97	51.37

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S146	2/28/00	2/28/00	0		18.47
		2/29/00	1	13.67	14.73
		3/1/00	2	11.33	12.50
		3/15/00	16	13.90	18.37
		3/16/00	17	16.60	19.10

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S146	2/28/00	2/28/00	0		53.62
		3/16/00	17		40.76

All average MWHC values are expressed in percent

Windrow Number: S146 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
135TNB	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3		421 J
				Average Concentration for Cross Section 05 :			*466*
135TNB	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
135TNB	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
135TNB	02/28/00	03/09/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 485

Standard Deviation: 21

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
135TNB	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
135TNB	02/28/00	03/17/00	18	07	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
135TNB	02/28/00	03/17/00	18	09	1		528
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*509*
135TNB	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 18 : 497

Standard Deviation: 13

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S146 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
13DNB	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
13DNB	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
13DNB	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
13DNB	02/28/00	03/09/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : ***489***

Standard Deviation: ***12***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
13DNB	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
13DNB	02/28/00	03/17/00	18	07	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
13DNB	02/28/00	03/17/00	18	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
13DNB	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 18 : ***494***

Standard Deviation: ***11***

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S146 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	02/28/00	03/09/00	10	03	1	LT	476	
					2	LT	500	
					3		249 J	
					Average Concentration for Cross Section 03 :			*408*
246TNT	02/28/00	03/09/00	10	05	1	LT	476	
					2		20500	
					3		230000	
					Average Concentration for Cross Section 05 :			*83659*
246TNT	02/28/00	03/09/00	10	07	1	LT	500	
					2	LT	500	
					3		182 J	
					Average Concentration for Cross Section 07 :			*394*
246TNT	02/28/00	03/09/00	10	09	1	LT	500	
					2	LT	476	
					3		245 J	
					Average Concentration for Cross Section 09 :			*407*
246TNT	02/28/00	03/09/00	10	11	1	LT	476	
					2		236 J	
					3	LT	500	
					Average Concentration for Cross Section 11 :			*404*

Average Concentration for Windrow on Day 10 : 17054

Standard Deviation: 59137

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	02/28/00	03/17/00	18	03	1	LT	500	
					2		226 J	
					3		211 J	
					Average Concentration for Cross Section 03 :			*312*
246TNT	02/28/00	03/17/00	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*500*
246TNT	02/28/00	03/17/00	18	07	1	LT	500	
					2		237 J	
					3		1730	
					Average Concentration for Cross Section 07 :			*822*
246TNT	02/28/00	03/17/00	18	09	1		720	
					2		3770	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*1663*
246TNT	02/28/00	03/17/00	18	11	1	LT	500	
					2	LT	500	
					3		418 J	
					Average Concentration for Cross Section 11 :			*473*

Average Concentration for Windrow on Day 18 : 754

Standard Deviation: 907

Percent Reduction of 246TNT: 95.58%

Windrow Number: S146 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*484*
24DNT	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 05 :		*484*
24DNT	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*500*
24DNT	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 09 :		*492*
24DNT	02/28/00	03/09/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 10 : 489

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
24DNT	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
24DNT	02/28/00	03/17/00	18	07	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*484*
24DNT	02/28/00	03/17/00	18	09	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*492*
24DNT	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 11 :		*500*

Average Concentration for Windrow on Day 18 : 494

Standard Deviation: 11

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S146 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*484*
26DNT	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 05 :		*484*
26DNT	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*500*
26DNT	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 09 :		*492*
26DNT	02/28/00	03/09/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 10 : 489

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
26DNT	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
26DNT	02/28/00	03/17/00	18	07	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*484*
26DNT	02/28/00	03/17/00	18	09	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*492*
26DNT	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 11 :		*500*

Average Concentration for Windrow on Day 18 : 494

Standard Deviation: 11

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S146 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*484*
2A46DT	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3		1840
					Average Concentration for Cross Section 05 :		*939*
2A46DT	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*500*
2A46DT	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 09 :		*492*
2A46DT	02/28/00	03/09/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 10 : 580

Standard Deviation: 349

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
2A46DT	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
2A46DT	02/28/00	03/17/00	18	07	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*484*
2A46DT	02/28/00	03/17/00	18	09	1		288 J
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*429*
2A46DT	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 11 :		*500*

Average Concentration for Windrow on Day 18 : 481

Standard Deviation: 54

Percent Reduction of 2A46DT: 17.02%

Windrow Number: S146 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
2NT	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
2NT	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
2NT	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
2NT	02/28/00	03/09/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 489

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
2NT	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
2NT	02/28/00	03/17/00	18	07	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
2NT	02/28/00	03/17/00	18	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
2NT	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 18 : 494

Standard Deviation: 11

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S146 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
3NT	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
3NT	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
3NT	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
3NT	02/28/00	03/09/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 489

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
3NT	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
3NT	02/28/00	03/17/00	18	07	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
3NT	02/28/00	03/17/00	18	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
3NT	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 18 : 494

Standard Deviation: 11

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S146 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
4A26DT	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3		2880
				Average Concentration for Cross Section 05 :			*1285*
4A26DT	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
4A26DT	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3		830
				Average Concentration for Cross Section 09 :			*602*
4A26DT	02/28/00	03/09/00	10	11	1	LT	476
					2		649
					3	LT	500
				Average Concentration for Cross Section 11 :			*542*

Average Concentration for Windrow on Day 10 : 683

Standard Deviation: 615

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
4A26DT	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3		255 J
				Average Concentration for Cross Section 05 :			*418*
4A26DT	02/28/00	03/17/00	18	07	1	LT	500
					2		556
					3	LT	476
				Average Concentration for Cross Section 07 :			*511*
4A26DT	02/28/00	03/17/00	18	09	1		659
					2		459 J
					3	LT	500
				Average Concentration for Cross Section 09 :			*539*
4A26DT	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3		258 J
				Average Concentration for Cross Section 11 :			*419*

Average Concentration for Windrow on Day 18 : 476

Standard Deviation: 100

Percent Reduction of 4A26DT: 30.28%

Windrow Number: S146 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*484*
4NT	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 05 :		*484*
4NT	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*500*
4NT	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 09 :		*492*
4NT	02/28/00	03/09/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 10 : 489

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
4NT	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
4NT	02/28/00	03/17/00	18	07	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*484*
4NT	02/28/00	03/17/00	18	09	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*492*
4NT	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 11 :		*500*

Average Concentration for Windrow on Day 18 : 494

Standard Deviation: 11

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S146 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	02/28/00	03/09/00	10	03	1	LT	476	
					2		401 J	
					3		349 J	
					Average Concentration for Cross Section 03 :			*409*
HMX	02/28/00	03/09/00	10	05	1		2280	
					2		2190	
					3		73500	
					Average Concentration for Cross Section 05 :			*25990*
HMX	02/28/00	03/09/00	10	07	1	LT	500	
					2	LT	500	
					3		3690	
					Average Concentration for Cross Section 07 :			*1563*
HMX	02/28/00	03/09/00	10	09	1		285 J	
					2		302 J	
					3		2520	
					Average Concentration for Cross Section 09 :			*1036*
HMX	02/28/00	03/09/00	10	11	1		584	
					2		2390	
					3		1110	
					Average Concentration for Cross Section 11 :			*1361*

Average Concentration for Windrow on Day 10 : 6072

Standard Deviation: 18685

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	02/28/00	03/17/00	18	03	1	LT	500	
					2		1280	
					3		412 J	
					Average Concentration for Cross Section 03 :			*731*
HMX	02/28/00	03/17/00	18	05	1	LT	500	
					2		2340	
					3		1440	
					Average Concentration for Cross Section 05 :			*1427*
HMX	02/28/00	03/17/00	18	07	1	LT	500	
					2		3290	
					3		611	
					Average Concentration for Cross Section 07 :			*1467*
HMX	02/28/00	03/17/00	18	09	1		15700	
					2		1220	
					3		1240	
					Average Concentration for Cross Section 09 :			*6053*
HMX	02/28/00	03/17/00	18	11	1	LT	500	
					2		2480	
					3		984	
					Average Concentration for Cross Section 11 :			*1321*

Average Concentration for Windrow on Day 18 : 2200

Standard Deviation: 3832

Percent Reduction of HMX: 63.77%

Windrow Number: S146 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
NB	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
NB	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
NB	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
NB	02/28/00	03/09/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 489

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
NB	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
NB	02/28/00	03/17/00	18	07	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
NB	02/28/00	03/17/00	18	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
NB	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 18 : 494

Standard Deviation: 11

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S146 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	02/28/00	03/09/00	10	03	1	360 J	
					2	3310	
					3	7850	
				Average Concentration for Cross Section 03 :			*3840*
RDX	02/28/00	03/09/00	10	05	1	2730	
					2	912	
					3	533000	
				Average Concentration for Cross Section 05 :			*178881*
RDX	02/28/00	03/09/00	10	07	1	1380	
					2	LT 500	
					3	9160	
				Average Concentration for Cross Section 07 :			*3680*
RDX	02/28/00	03/09/00	10	09	1	1140	
					2	1050	
					3	12900	
				Average Concentration for Cross Section 09 :			*5030*
RDX	02/28/00	03/09/00	10	11	1	1420	
					2	4840	
					3	5900	
				Average Concentration for Cross Section 11 :			*4053*

Average Concentration for Windrow on Day 10 : ***39097***

Standard Deviation: ***136684***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	02/28/00	03/17/00	18	03	1	244 J	
					2	5210	
					3	1180	
				Average Concentration for Cross Section 03 :			*2211*
RDX	02/28/00	03/17/00	18	05	1	LT 500	
					2	5910	
					3	4080	
				Average Concentration for Cross Section 05 :			*3497*
RDX	02/28/00	03/17/00	18	07	1	LT 500	
					2	11900	
					3	2740	
				Average Concentration for Cross Section 07 :			*5047*
RDX	02/28/00	03/17/00	18	09	1	76700	
					2	4670	
					3	2550	
				Average Concentration for Cross Section 09 :			*27973*
RDX	02/28/00	03/17/00	18	11	1	LT 500	
					2	2540	
					3	11000	
				Average Concentration for Cross Section 11 :			*4680*

Average Concentration for Windrow on Day 18 : ***8682***

Standard Deviation: ***19158***

Percent Reduction of RDX: 77.79%

Windrow Number: S146 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	02/28/00	03/09/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
TETRYL	02/28/00	03/09/00	10	05	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
TETRYL	02/28/00	03/09/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
TETRYL	02/28/00	03/09/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
TETRYL	02/28/00	03/09/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 489

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	02/28/00	03/17/00	18	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
TETRYL	02/28/00	03/17/00	18	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
TETRYL	02/28/00	03/17/00	18	07	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
TETRYL	02/28/00	03/17/00	18	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
TETRYL	02/28/00	03/17/00	18	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 18 : 494

Standard Deviation: 11

Percent Reduction of TETRYL: Not Applicable; Sample Results Below Reporting Limit

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-147 Day 0: 02/29/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	4	6020	13	2890	5.275	11605	21.775	20515
2	3.75	5840	12.5	2720	5.275	11605	21.525	20165
3	3	5710	12.5	2690	5.275	11605	20.775	20005
4	3.15	5800	12.2	2570	5.275	11605	20.625	19975
5	3.15	5790	12	2380	5.275	11605	20.425	19775
6	3.15	5840	12.2	2570	5.275	11605	20.625	20015
7	3.75	5870	12.9	2850	5.275	11605	21.925	20325
8	3	5700	13.5	3000	5.275	11605	21.775	20305
9	3.25	5840	12.5	2870	5.275	11605	21.025	20315
10	3.5	5950	12.5	2700	5.275	11605	21.275	20255
11	3	5750	12	2450	5.275	11605	20.275	19805
12	3.75	5910	12.5	2720	5.275	11605	21.525	20235
13	3.2	5860	12.9	2870	5.275	11605	21.375	20335
14	3.5	5970	12.5	2690	5.275	11605	21.275	20265
15	3.5	5780	12	2570	5.275	11605	20.775	19955
16	3.75	5910	12.6	2800	5.275	11605	21.625	20315
17	3.15	5770	12.1	2540	5.275	11605	20.525	19915
18	3.6	5870	12.9	2890	5.275	11605	21.775	20365
19	3.15	5780	12.5	2760	5.275	11605	20.925	20145
20	3.75	5870	12.5	2660	5.275	11605	21.525	20135
21	3.05	5740	12.6	2760	5.275	11605	20.925	20105
22	3.75	5860	12.6	2710	5.275	11605	21.625	20175
23	3.15	5770	12	2490	5.275	11605	20.425	19865
24	3	5680	12	2570	5.275	11605	20.275	19855
25	3.5	5900	12	2400	5.275	11605	20.775	19905
26	3.8	5900	12	2400	5.275	11605	21.075	19905
27	3.25	5790	12.4	2560	5.275	11605	20.925	19955
28	3.65	5810	12	2480	5.275	11605	20.925	19895
29	3.65	5800	12.7	2800	5.275	11605	21.625	20205
30	3.9	6000	12.9	2900	5.275	11605	22.075	20505
31	4	6100	13.5	2900	5.275	11605	22.775	20605
32	3.9	6000	12.5	2700	5.275	11605	21.675	20305
33	4	6100	12.7	2800	5.275	11605	21.975	20505
34	3.25	5820	12.7	2770	5.275	11605	21.225	20195
35	3	5710	12.75	2880	5.275	11605	21.025	20195
36	3.7	5840	12	2420	5.275	11605	20.975	19865
37	3.9	6030	12.1	2590	5.275	11605	21.275	20225
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	128.5	216680	461.75	99320	211.00	464200	800.75	780200

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5147 PERFORMED BY: [illegible]

DATE: 2 28 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: McSlash Produce		STRAW Supplier: Dave L. Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1410 1	4	6020	13	2890				
2	3.25	5840	12.5	2720				
3	3	5710	12.5	2690				
4	3.15	5900	12.20	2570				
5	3.15	5790	12	2580				
6	3.75	5840	12.20	2580				
7	3.75	5870	12.90	2850				
8	3	5700	13.5	3000				
9	3.25	5840	12.5	2870				
10	3.50	5950	12.5	2700				
11	3	5750	12	2450				
12	3.75	5910	12.5	2720				
13	3.70	5860	12.90	2870				
14	3.50	5970	12.5	2690				
15	3.15	5780	12	2570				
16	3.75	5910	12.60	2800				
17	3.15	5770	12.10	2540				
18	3.40	5870	12.90	2890				
19	3.15	5780	12.5	2760				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # ~~24~~ Windrow # 5/77 PERFORMED BY: _____

DATE: 2/29/00 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash V Produce		STRAW Supplier: Dloudmilk Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.75	5870	12.5	2660				
21	3.05	5740	1260	2760				
22	3.75	5860	1260	2710				
23	3.15	5770	12	2490				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # SH 8 PERFORMED BY: _____

DATE: 2/28/00 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY _____ Pounds
Straw _____ CY _____ Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5680	12	2570				
2	3.80	5900	12	2400				
3	3.80	5900	12	2400				
4	3.25	5790	12.40	2560				
5	3.65	5810	12	2480				
6	3.65	5800	12.7	2800				
7	3.90	6000	12.9	2900				
8	4.0	6100	13.5	2900				
9	3.70	6000	12.5	2700				
10	4.0	6100	12.7	2800				
11	3.25	5820	12.7	2770				
12	3	5710	12.75	2880				
13	3.70	5840	12	2420				
14	3.90	6030	12.10	2590				
Total								

Comments:

2/28/00

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S147	2/29/00	2/29/00	0		19.53
		3/1/00	1	43.37	41.47
		3/2/00	2	50.67	52.93
		3/3/00	3	67.10	63.07
		3/4/00	4	58.47	54.40
		3/5/00	5	61.50	58.87
		3/6/00	6	58.77	59.03
		3/7/00	7	61.47	62.50
		3/8/00	8	69.70	64.73
		3/9/00	9	65.00	57.67

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S147	2/29/00	2/29/00	0		17.97
		3/1/00	1	4.97	9.03
		3/2/00	2	3.40	12.03
		3/3/00	3	14.43	14.60
		3/4/00	4	16.13	14.93
		3/5/00	5	14.23	13.03
		3/6/00	6	14.33	17.27
		3/7/00	7	15.10	17.40
		3/8/00	8	15.20	16.70
		3/9/00	9	14.73	13.90

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S147	2/29/00	2/29/00	0		83.10
		3/2/00	2		52.70
		3/6/00	6		48.32
		3/9/00	9		43.54

All average MWHC values are expressed in percent

Windrow Number: S147 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	02/29/00	03/10/00	10	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
135TNB	02/29/00	03/10/00	10	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
135TNB	02/29/00	03/10/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
135TNB	02/29/00	03/10/00	10	09	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*484*
135TNB	02/29/00	03/10/00	10	11	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 10 : ***492***

Standard Deviation: ***12***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S147 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	02/29/00	03/10/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
13DNB	02/29/00	03/10/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
13DNB	02/29/00	03/10/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
13DNB	02/29/00	03/10/00	10	09	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*484*
13DNB	02/29/00	03/10/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*476*

Average Concentration for Windrow on Day 10 : ***492***

Standard Deviation: *12*

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S147 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
246TNT	02/29/00	03/10/00	10	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
246TNT	02/29/00	03/10/00	10	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
246TNT	02/29/00	03/10/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
246TNT	02/29/00	03/10/00	10	09	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*484*
246TNT	02/29/00	03/10/00	10	11	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 10 : ***492***

Standard Deviation: ***12***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S147 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	02/29/00	03/10/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
24DNT	02/29/00	03/10/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
24DNT	02/29/00	03/10/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
24DNT	02/29/00	03/10/00	10	09	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*484*
24DNT	02/29/00	03/10/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*476*

Average Concentration for Windrow on Day 10 : ***492***

Standard Deviation: ***12***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S147 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	02/29/00	03/10/00	10	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
26DNT	02/29/00	03/10/00	10	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
26DNT	02/29/00	03/10/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
26DNT	02/29/00	03/10/00	10	09	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*484*
26DNT	02/29/00	03/10/00	10	11	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 10 : ***492***

Standard Deviation: ***12***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S147 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	02/29/00	03/10/00	10	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
2A46DT	02/29/00	03/10/00	10	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
2A46DT	02/29/00	03/10/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
2A46DT	02/29/00	03/10/00	10	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
2A46DT	02/29/00	03/10/00	10	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 10 : ***492***

Standard Deviation: ***12***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S147 **2-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	02/29/00	03/10/00	10	03	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 03 :		*500*
2NT	02/29/00	03/10/00	10	05	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 05 :		*500*
2NT	02/29/00	03/10/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 07 :		*500*
2NT	02/29/00	03/10/00	10	09	1	LT 476	
					2	LT 476	
					3	LT 500	
					Average Concentration for Cross Section 09 :		*484*
2NT	02/29/00	03/10/00	10	11	1	LT 476	
					2	LT 476	
					3	LT 476	
					Average Concentration for Cross Section 11 :		*476*

Average Concentration for Windrow on Day 10 : 492

Standard Deviation: 12

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S147

3-NITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	02/29/00	03/10/00	10	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
3NT	02/29/00	03/10/00	10	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
3NT	02/29/00	03/10/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
3NT	02/29/00	03/10/00	10	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
3NT	02/29/00	03/10/00	10	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 10 : *492*

Standard Deviation: *12*

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S147 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	02/29/00	03/10/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4A26DT	02/29/00	03/10/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4A26DT	02/29/00	03/10/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4A26DT	02/29/00	03/10/00	10	09	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*484*
4A26DT	02/29/00	03/10/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*476*

Average Concentration for Windrow on Day 10 : 492

Standard Deviation: 12

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S147 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	02/29/00	03/10/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4NT	02/29/00	03/10/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4NT	02/29/00	03/10/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4NT	02/29/00	03/10/00	10	09	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*484*
4NT	02/29/00	03/10/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*476*

Average Concentration for Windrow on Day 10 : ***492***

Standard Deviation: ***12***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S147 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	02/29/00	03/10/00	10	03	1	2530	
					2	4890	
					3	593	
				Average Concentration for Cross Section 03 :			*2671*
HMX	02/29/00	03/10/00	10	05	1	4990	
					2	1240	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*2243*
HMX	02/29/00	03/10/00	10	07	1	LT 500	
					2	2990	
					3	658	
				Average Concentration for Cross Section 07 :			*1383*
HMX	02/29/00	03/10/00	10	09	1	1180	
					2	2890	
					3	167 J	
				Average Concentration for Cross Section 09 :			*1412*
HMX	02/29/00	03/10/00	10	11	1	1420	
					2	1630	
					3	3080	
				Average Concentration for Cross Section 11 :			*2043*

Average Concentration for Windrow on Day 10 : 1951

Standard Deviation: 1555

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S147 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	02/29/00	03/10/00	10	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
NB	02/29/00	03/10/00	10	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
NB	02/29/00	03/10/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
NB	02/29/00	03/10/00	10	09	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*484*
NB	02/29/00	03/10/00	10	11	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 10 : 492

Standard Deviation: 12

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S147 **RDX Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	02/29/00	03/10/00	10	03	1	24900	
					2	13900	
					3	1740	
				Average Concentration for Cross Section 03 :			*13513*
RDX	02/29/00	03/10/00	10	05	1	7360	
					2	652	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*2837*
RDX	02/29/00	03/10/00	10	07	1	LT 500	
					2	3560	
					3	395 J	
				Average Concentration for Cross Section 07 :			*1485*
RDX	02/29/00	03/10/00	10	09	1	2150	
					2	6960	
					3	2840	
				Average Concentration for Cross Section 09 :			*3983*
RDX	02/29/00	03/10/00	10	11	1	12000	
					2	3530	
					3	10900	
				Average Concentration for Cross Section 11 :			*8810*

Average Concentration for Windrow on Day 10 : 6126

Standard Deviation: 6854

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S147 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	02/29/00	03/10/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
TETRYL	02/29/00	03/10/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
TETRYL	02/29/00	03/10/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
TETRYL	02/29/00	03/10/00	10	09	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*484*
TETRYL	02/29/00	03/10/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*476*

Average Concentration for Windrow on Day 10 : ***492***

Standard Deviation: ***12***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-148 Day 0: 03/9/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5760	12.1	2470	5.275	11605	20.475	19835
2	3	5700	12.1	2420	5.275	11605	20.375	19725
3	3.15	5790	12.1	2480	5.275	11605	20.525	19875
4	3.15	5800	12.25	2540	5.275	11605	20.675	19945
5	3	5670	12.1	2450	5.275	11605	20.375	19725
6	3.15	5770	12.35	2610	5.275	11605	20.775	19985
7	3	5690	12.25	2520	5.275	11605	20.525	19815
8	3.15	5770	12	2360	5.275	11605	20.425	19735
9	3.5	5870	12.5	2610	5.275	11605	21.275	20085
10	3	5720	12.15	2480	5.275	11605	20.425	19805
11	3.15	5770	12	2380	5.275	11605	20.425	19755
12	3.5	5850	12.25	2510	5.275	11605	21.025	19965
13	3.1	5730	12.3	2560	5.275	11605	20.675	19895
14	3.1	5780	12.1	2460	5.275	11605	20.475	19845
15	3.15	5820	12.1	2430	5.275	11605	20.525	19855
16	3.1	5710	12.15	2560	5.275	11605	20.525	19875
17	3	5700	12	2400	5.275	11605	20.275	19705
18	3.1	5750	12.1	2470	5.275	11605	20.475	19825
19	3.15	5840	12.1	2490	5.275	11605	20.525	19935
20	3.1	5740	12.1	2460	5.275	11605	20.475	19805
21	3	5700	12.1	2430	5.275	11605	20.375	19735
22	3.1	5750	12.1	2460	5.275	11605	20.475	19815
23	3.1	5790	12.15	2510	5.275	11605	20.525	19905
24	3	5700	12.1	2470	5.275	11605	20.375	19775
25	3.1	5760	12.15	2550	5.275	11605	20.525	19915
26	3.1	5770	12.1	2590	5.275	11605	20.475	19965
27	3.1	5740	12.15	2510	5.275	11605	20.525	19855
28	3.15	5840	12.1	2550	5.275	11605	20.525	19995
29	3	5700	12.1	2430	5.275	11605	20.375	19735
30	3.1	5760	12.1	2460	5.275	11605	20.475	19825
31	3.15	5840	12.15	2490	5.275	11605	20.575	19935
32	3.15	5890	12.1	2830	5.275	11605	20.525	20325
33	3	5700	12.1	2440	5.275	11605	20.375	19745
34	3.1	5780	12.1	2450	5.275	11605	20.475	19835
35	3.15	5820	12.3	2560	5.275	11605	20.725	19985
36	3.1	5740	12.1	2470	5.275	11605	20.475	19815
37	3.1	5780	12.1	2560	5.275	11605	20.475	19945
38	3	5710	12.1	2430	5.275	11605	20.375	19745
39	3.1	5790	12.1	2460	5.275	11605	20.475	19855
40					5.275	11605	5.275	11605
41								
42								
43								
Total	121.25	224790	473.4	97310	211.00	464200	805.65	786300

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M148 PERFORMED BY: Howard

DATE: 3 19 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 2400 Pounds
Straw 12 CY 5700 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5760	12.10	2470				
2	3	5700	12.10	2420				
3	3.15	5790	12.10	2480				
4	3.15	5800	12.25	2540				
5	3	5620	12.10	2450				
6	3.15	5720	12.30	2610				
7	3	5690	12.25	2520				
8	3.15	5770	12	2360				
9	3.50	5870	12.50	2610				
10	3.00	5720	12.15	2480				
11	3.15	5770	12	2380				
12	3.50	5850	12.25	2570				
13	3.10	5730	12.80	2560				
14	3.10	5780	12.80	2460				
15	3.15	5820	12.10	2430				
16	3.10	5710	12.15	2560				
17	3	5700	12	2400				
18	3.10	5750	12.10	2470				
19	3.15	5840	12.10	2490				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 142 PERFORMED BY: Howard

DATE: 3 19 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
~~20~~ 20	3.10	5740	12.10	2460				
~~21~~ 21	3	5700	12 10	2430				
~~22~~								
~~23~~								
~~24~~								
~~25~~								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M48 PERFORMED BY: Howard

DATE: 3 19 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2460				
2	3.10	5790	12.15	2510				
3	3	5700	12.10	2470				
4	3.10	5760	12.15	2550				
5	3.10	5770	12.10	2590				
6	3.10	5740	12.15	2510				
7	3.15	5840	12.15	2550				
8	3	5700	12.10	2430				
9	3.10	5760	12.10	2460				
10	3.15	5840	12.10	2490				
11	3.15	5890	12.30	2830				
12	3	5700	12.10	2470				
13	3.10	5780	12.10	2450				
14	3.15	5820	12.15	2560				
15	3.10	5740	12.10	2470				
16	3.10	5780	12.10	2560				
17	3	5710	12.10	2430				
18	3.10	5790	12.10	2460				
19			12.15	2580				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M148	3/10/00	3/10/00	0		22.47
		3/11/00	1	54.53	42.20
		3/12/00	2	62.97	52.13
		3/13/00	3	61.57	57.93
		3/14/00	4	54.53	50.87
		3/15/00	5	62.50	57.23
		3/16/00	6	55.30	56.83
		3/17/00	7	63.67	63.53
		3/18/00	8	57.47	43.03
		3/19/00	9	56.03	49.93
		3/20/00	10	57.60	43.00
		3/21/00	11	61.47	55.27
		3/22/00	12	63.83	60.43
		3/23/00	13	63.10	57.07

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M148	3/10/00	3/10/00	0		17.43
		3/11/00	1	10.67	13.27
		3/12/00	2	12.07	15.20
		3/13/00	3	18.83	18.97
		3/14/00	4	19.27	18.60
		3/15/00	5	17.67	18.23
		3/16/00	6	18.30	18.83
		3/17/00	7	9.83	15.53
		3/18/00	8	14.07	15.87
		3/19/00	9	11.60	15.07
		3/20/00	10	11.60	15.97
		3/21/00	11	13.03	16.53
		3/22/00	12	12.43	15.29
		3/23/00	13	12.07	17.10

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M148	3/10/00	3/10/00	0		62.90
		3/13/00	3		46.02
		3/15/00	5		40.56
		3/16/00	6		57.10
		3/18/00	8		45.98
		3/20/00	10		48.44
		3/21/00	11		56.50

All average MWHC values are expressed in percent

Windrow Number: M148 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	03/10/00	03/24/00	14	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
135TNB	03/10/00	03/24/00	14	05	1	LT 500	
					2	118 J	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*373*
135TNB	03/10/00	03/24/00	14	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
135TNB	03/10/00	03/24/00	14	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
135TNB	03/10/00	03/24/00	14	11	1	LT 500	
					2	77.8 J	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*359*

Average Concentration for Windrow on Day 14 : ***446***

Standard Deviation: ***142***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M148 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	03/10/00	03/24/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
13DNB	03/10/00	03/24/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
13DNB	03/10/00	03/24/00	14	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
13DNB	03/10/00	03/24/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
13DNB	03/10/00	03/24/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : 500

Standard Deviation: 0

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M148 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	03/10/00	03/24/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
246TNT	03/10/00	03/24/00	14	05	1	LT	500	
					2		248 J	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*416*
246TNT	03/10/00	03/24/00	14	07	1		6640	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*2547*
246TNT	03/10/00	03/24/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
246TNT	03/10/00	03/24/00	14	11	1	LT	500	
					2		102 J	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*367*

Average Concentration for Windrow on Day 14 : ***866***

Standard Deviation: ***1602***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M148 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	03/10/00	03/24/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
24DNT	03/10/00	03/24/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
24DNT	03/10/00	03/24/00	14	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
24DNT	03/10/00	03/24/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
24DNT	03/10/00	03/24/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : 500

Standard Deviation: 0

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M148 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	03/10/00	03/24/00	14	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
26DNT	03/10/00	03/24/00	14	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
26DNT	03/10/00	03/24/00	14	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
26DNT	03/10/00	03/24/00	14	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
26DNT	03/10/00	03/24/00	14	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 14 : 500

Standard Deviation: 0

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M148 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	03/10/00	03/24/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2A46DT	03/10/00	03/24/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2A46DT	03/10/00	03/24/00	14	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2A46DT	03/10/00	03/24/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
2A46DT	03/10/00	03/24/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : 500

Standard Deviation: 0

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M148 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	03/10/00	03/24/00	14	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
2NT	03/10/00	03/24/00	14	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
2NT	03/10/00	03/24/00	14	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
2NT	03/10/00	03/24/00	14	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
2NT	03/10/00	03/24/00	14	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 14 : ***500***

Standard Deviation: ***0***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M148 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	03/10/00	03/24/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
3NT	03/10/00	03/24/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
3NT	03/10/00	03/24/00	14	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
3NT	03/10/00	03/24/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
3NT	03/10/00	03/24/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : 500

Standard Deviation: 0

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M148 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	03/10/00	03/24/00	14	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
4A26DT	03/10/00	03/24/00	14	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
4A26DT	03/10/00	03/24/00	14	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
4A26DT	03/10/00	03/24/00	14	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
4A26DT	03/10/00	03/24/00	14	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 14 : 500

Standard Deviation: 0

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M148 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	03/10/00	03/24/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4NT	03/10/00	03/24/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4NT	03/10/00	03/24/00	14	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4NT	03/10/00	03/24/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
4NT	03/10/00	03/24/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : 500

Standard Deviation: 0

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M148 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG	
HMX	03/10/00	03/24/00	14	03	1	LT	500	
					2		260 J	
					3		434 J	
					Average Concentration for Cross Section 03 :			*398*
HMX	03/10/00	03/24/00	14	05	1	LT	500	
					2		408 J	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*469*
HMX	03/10/00	03/24/00	14	07	1		1160	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*720*
HMX	03/10/00	03/24/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*500*
HMX	03/10/00	03/24/00	14	11	1		952	
					2		506	
					3	LT	500	
					Average Concentration for Cross Section 11 :			*653*

Average Concentration for Windrow on Day 14 : ***548***

Standard Deviation: ***220***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M148

NITROBENZENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
NB	03/10/00	03/24/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
NB	03/10/00	03/24/00	14	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
NB	03/10/00	03/24/00	14	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
NB	03/10/00	03/24/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
NB	03/10/00	03/24/00	14	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 14 : 500

Standard Deviation: 0

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M148 **RDX Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	03/10/00	03/24/00	14	03	1	LT	500	
					2		390 J	
					3		6010	
				Average Concentration for Cross Section 03 :				*2300*
RDX	03/10/00	03/24/00	14	05	1	LT	500	
					2		312 J	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*437*
RDX	03/10/00	03/24/00	14	07	1		9340	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*3447*
RDX	03/10/00	03/24/00	14	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
RDX	03/10/00	03/24/00	14	11	1		151 J	
					2		102 J	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*251*

Average Concentration for Windrow on Day 14 : 1387

Standard Deviation: 2633

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M148 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	03/10/00	03/24/00	14	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
TETRYL	03/10/00	03/24/00	14	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
TETRYL	03/10/00	03/24/00	14	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
TETRYL	03/10/00	03/24/00	14	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
TETRYL	03/10/00	03/24/00	14	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 14 : 500

Standard Deviation: 0

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-149 Day 0: 03/13/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.15	5870	12.1	2460	5.275	11605	20.575	19935
2	3.1	5750	12.15	2510	5.275	11605	20.525	19865
3	3.1	5790	12.1	2490	5.275	11605	20.475	19885
4	3.1	5780	12.15	2530	5.275	11605	20.525	19915
5	3.1	5720	12.1	2490	5.275	11605	20.475	19815
6	3.1	5770	12.1	2470	5.275	11605	20.475	19845
7	3.1	5740	12.1	2430	5.275	11605	20.475	19775
8	3	5700	12.1	2450	5.275	11605	20.375	19755
9	3.15	5830	12.1	2470	5.275	11605	20.525	19905
10	3.1	5740	12.1	2490	5.275	11605	20.475	19835
11	3.1	5790	12.1	2430	5.275	11605	20.475	19825
12	3	5700	12.1	2430	5.275	11605	20.375	19735
13	3.15	5840	12.1	2460	5.275	11605	20.525	19905
14	3.1	5790	12.1	2470	5.275	11605	20.475	19865
15	3.1	5720	12.15	2560	5.275	11605	20.525	19885
16	3.1	5740	12	2410	5.275	11605	20.375	19755
17	3.2	5900	12	2400	5.275	11605	20.475	19905
18	3.2	5900	12	2400	5.275	11605	20.475	19905
19	3.1	5790	12.1	2470	5.275	11605	20.475	19865
20	3.1	5750	12.15	2580	5.275	11605	20.525	19935
21	3.1	5720	12.1	2440	5.275	11605	20.475	19765
22	3	5700	12.1	2480	5.275	11605	20.375	19785
23	3.1	5780	12.1	2440	5.275	11605	20.475	19825
24	2.7	5500	12.25	3130	5.275	11605	20.225	20235
25	3.5	5800	12.7	2770	5.275	11605	21.475	20175
26	3.5	5790	12.9	2940	5.275	11605	21.675	20335
27	4	5900	13.1	3250	5.275	11605	22.375	20755
28	3.5	5850	12.25	2620	5.275	11605	21.025	20075
29	3.4	5770	12	2390	5.275	11605	20.675	19765
30	3.5	5810	12.15	2480	5.275	11605	20.925	19895
31	3.45	5780	12.2	2500	5.275	11605	20.925	19885
32	3.5	5810	12.7	2730	5.275	11605	21.475	20145
33	3.4	5790	12.65	2690	5.275	11605	21.325	20085
34	3.45	5830	12.15	2740	5.275	11605	20.875	20175
35	3.5	5890	12.2	2480	5.275	11605	20.975	19975
36	3.3	5760	11.95	2360	5.275	11605	20.525	19725
37	3.4	5840	12	2440	5.275	11605	20.675	19885
38	3.05	5750	12	2390	5.275	11605	20.325	19745
39	3.1	5790	12.1	2460	5.275	11605	20.475	19855
40					5.275	11605	5.275	11605
41								
42								
43								
Total	125.6	225470	475.5	99130	211.00	464200	812.15	788800

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 149 PERFORMED BY: Howard

DATE: 3/13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5870	12.10	2460				
2	3.10	5750	12.15	2510				
3	3.10	5790	12.10	2490				
4	3.10	5780	12.15	2530				
5	3.10	5720	12.10	2490				
6	3.10	5770	12.10	2470				
7	3.10	5740	12.10	2430				
8	3	5700	12.10	2450				
9	3.15	5830	12.10	2470				
10	3.10	5740	12.10	2490				
11	3.10	5790	12.10	2430				
12	3.	5700	12.10	2430				
13	3.15	5840	12.10	2460				
14	3.10	5790	12.10	2470				
15	3.10	5720	12.15	2560				
16	3.10	5740	12.	2410				
17	3.20	5900	12.00	2400				
18	3.20	5900	12.10	2400				
19	3.10	5790	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 149 PERFORMED BY: Hovland

DATE: 10 13 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5750	12.15	2580				
21	3.10	5720	12.10	2440				
22	3	5700	12.10	2480				
23	3.10	5780	12.10	2440				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M149 PERFORMED BY: D [illegible]

DATE: 3/13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Cabrillo Valley Produce		STRAW Supplier: Lundy milk Farm		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
840 1	12.20	5500	12.25	3130				
2	3.50	5800	12.20	2770				
3	3.50	5790	12.90	2940				
4	4.00	5900	13.10	3250				
5	3.50	5850	12.25	2620				
6	3.40	5770	12.	2390				
7	3.50	5810	12.15	2480				
8	3.45	5780	12.20	2500				
9	3.50	5810	12.70	2730				
10	3.40	5790	12.65	2690				
11	3.45	5830	12.15	2740				
12	3.50	5890	12.20	2480				
13	3.30	5760	11.95	2360				
14	3.40	5840	12	2440				
15	3.65	5750	12	2390				
16	3.10	5790	12.10	2460				
Total								

Comments: * Some straw water logged

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M149	3/13/00	3/13/00	0		17.07
		3/14/00	1	21.77	29.47
		3/15/00	2	46.40	48.60
		3/16/00	3	60.60	59.90
		3/17/00	4	61.63	60.60
		3/18/00	5	43.80	36.40
		3/19/00	6	45.17	43.40
		3/20/00	7	45.70	48.70
		3/21/00	8	54.17	47.97
		3/22/00	9	62.73	56.40
		3/23/00	10	60.63	57.10
		3/24/00	11	60.57	51.77
		3/25/00	12	65.60	55.27
		3/26/00	13	64.50	61.90

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M149	3/13/00	3/13/00	0		18.33
		3/14/00	1	5.87	10.77
		3/15/00	2	18.40	19.03
		3/16/00	3	17.87	18.47
		3/17/00	4	12.40	11.60
		3/18/00	5	17.17	18.73
		3/19/00	6	16.10	17.50
		3/20/00	7	17.07	13.30
		3/21/00	8	16.90	11.77
		3/22/00	9	13.80	14.53
		3/23/00	10	14.87	14.67
		3/24/00	11	11.33	14.87
		3/25/00	12	15.83	14.33
		3/26/00	13	11.33	14.53

All average Oxygen values are expressed as a percent

Wednesday, July 03, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M149	3/13/00	3/13/00	0		63.52
		3/15/00	2		52.60
		3/16/00	3		51.04
		3/17/00	4		
		3/18/00	5		44.66
		3/19/00	6		
		3/20/00	7		46.40
		3/21/00	8		52.58
		3/22/00	9		
		3/23/00	10		
		3/24/00	11		56.04
		3/25/00	12		
		3/26/00	13		

All average MWHC values are expressed in percent

Windrow Number: M149 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	03/13/00	03/27/00	14	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
135TNB	03/13/00	03/27/00	14	05	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*476*
135TNB	03/13/00	03/27/00	14	07	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*476*
135TNB	03/13/00	03/27/00	14	09	1	LT 476	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*469*
135TNB	03/13/00	03/27/00	14	11	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 14 : ***483***

Standard Deviation: ***14***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M149 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	03/13/00	03/27/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
13DNB	03/13/00	03/27/00	14	05	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*476*
13DNB	03/13/00	03/27/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
13DNB	03/13/00	03/27/00	14	09	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*469*
13DNB	03/13/00	03/27/00	14	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 14 : ***483***

Standard Deviation: ***14***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M149 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
246TNT	03/13/00	03/27/00	14	03	1		312 J	
					2	LT	500	
					3		211 J	
				Average Concentration for Cross Section 03 :				*341*
246TNT	03/13/00	03/27/00	14	05	1		47000	
					1		47000	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*23738*
246TNT	03/13/00	03/27/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
246TNT	03/13/00	03/27/00	14	09	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*469*
246TNT	03/13/00	03/27/00	14	11	1	LT	476	
					2		214 J	
					3		7290	
					3		7290	
				Average Concentration for Cross Section 11 :				*3818*

Average Concentration for Windrow on Day 14 : 6711

Standard Deviation: 15332

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M149

2,4-DINITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	03/13/00	03/27/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
24DNT	03/13/00	03/27/00	14	05	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*476*
24DNT	03/13/00	03/27/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
24DNT	03/13/00	03/27/00	14	09	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*469*
24DNT	03/13/00	03/27/00	14	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 14 : ***483***

Standard Deviation: ***14***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M149 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	03/13/00	03/27/00	14	03	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 03 :		*500*
26DNT	03/13/00	03/27/00	14	05	1	LT 476	
					2	LT 476	
					3	LT 476	
					Average Concentration for Cross Section 05 :		*476*
26DNT	03/13/00	03/27/00	14	07	1	LT 476	
					2	LT 476	
					3	LT 476	
					Average Concentration for Cross Section 07 :		*476*
26DNT	03/13/00	03/27/00	14	09	1	LT 476	
					2	LT 476	
					3	LT 454	
					Average Concentration for Cross Section 09 :		*469*
26DNT	03/13/00	03/27/00	14	11	1	LT 476	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 14 : 483

Standard Deviation: 14

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M149 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
2A46DT	03/13/00	03/27/00	14	03	1		216 J	
					2	LT	500	
					3		86.4 J	
				Average Concentration for Cross Section 03 :				*267*
2A46DT	03/13/00	03/27/00	14	05	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*476*
2A46DT	03/13/00	03/27/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
2A46DT	03/13/00	03/27/00	14	09	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*469*
2A46DT	03/13/00	03/27/00	14	11	1	LT	476	
					2	LT	500	
					3		112 J	
				Average Concentration for Cross Section 11 :				*363*

Average Concentration for Windrow on Day 14 : 410

Standard Deviation: 144

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M149 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	03/13/00	03/27/00	14	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
2NT	03/13/00	03/27/00	14	05	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*476*
2NT	03/13/00	03/27/00	14	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
2NT	03/13/00	03/27/00	14	09	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 09 :			*469*
2NT	03/13/00	03/27/00	14	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 14 : ***483***

Standard Deviation: ***14***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M149 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	03/13/00	03/27/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
3NT	03/13/00	03/27/00	14	05	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*476*
3NT	03/13/00	03/27/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
3NT	03/13/00	03/27/00	14	09	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*469*
3NT	03/13/00	03/27/00	14	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 14 : ***483***

Standard Deviation: ***14***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M149 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	03/13/00	03/27/00	14	03	1		352 J	
					2	LT	500	
					3		319 J	
					Average Concentration for Cross Section 03 :			*390*
4A26DT	03/13/00	03/27/00	14	05	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*476*
4A26DT	03/13/00	03/27/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 07 :			*476*
4A26DT	03/13/00	03/27/00	14	09	1	LT	476	
					2	LT	476	
					3	LT	454	
					Average Concentration for Cross Section 09 :			*469*
4A26DT	03/13/00	03/27/00	14	11	1	LT	476	
					2	LT	500	
					3		253 J	
					Average Concentration for Cross Section 11 :			*410*

Average Concentration for Windrow on Day 14 : ***444***

Standard Deviation: *74*

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M149 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	03/13/00	03/27/00	14	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
4NT	03/13/00	03/27/00	14	05	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*476*
4NT	03/13/00	03/27/00	14	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
4NT	03/13/00	03/27/00	14	09	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 09 :			*469*
4NT	03/13/00	03/27/00	14	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 14 : ***483***

Standard Deviation: ***14***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M149 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	03/13/00	03/27/00	14	03	1		2300	
					1		2300	
					2	LT	500	
					3		2730	
					3		2730	
				Average Concentration for Cross Section 03 :				*2112*
HMX	03/13/00	03/27/00	14	05	1		2010	
					1		2010	
					2	LT	476	
					3		707	
					3		707	
				Average Concentration for Cross Section 05 :				*1182*
HMX	03/13/00	03/27/00	14	07	1	LT	476	
					2		870	
					2		870	
					3		148 J	
				Average Concentration for Cross Section 07 :				*591*
HMX	03/13/00	03/27/00	14	09	1	LT	476	
					2		91.6 J	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*341*
HMX	03/13/00	03/27/00	14	11	1		467 J	
					2		417 J	
					3		2670	
					3		2670	
				Average Concentration for Cross Section 11 :				*1556*

Average Concentration for Windrow on Day 14 : ***1242***

Standard Deviation: ***988***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M149 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	03/13/00	03/27/00	14	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
NB	03/13/00	03/27/00	14	05	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*476*
NB	03/13/00	03/27/00	14	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
NB	03/13/00	03/27/00	14	09	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 09 :			*469*
NB	03/13/00	03/27/00	14	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 14 : 483

Standard Deviation: 14

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M149 **RDX Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	03/13/00	03/27/00	14	03	1		2970	
					1		2970	
					2		487 J	
					3		1120	
					3		1120	
				Average Concentration for Cross Section 03 :				*1733*
RDX	03/13/00	03/27/00	14	05	1		770	
					1		770	
					2	LT	476	
					3		297 J	
				Average Concentration for Cross Section 05 :				*578*
RDX	03/13/00	03/27/00	14	07	1	LT	476	
					2		1000	
					2		1000	
					3		252 J	
				Average Concentration for Cross Section 07 :				*682*
RDX	03/13/00	03/27/00	14	09	1	LT	476	
					2		627	
					2		627	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*546*
RDX	03/13/00	03/27/00	14	11	1		322 J	
					2		469 J	
					3		26300	
					3		26300	
				Average Concentration for Cross Section 11 :				*13348*

Average Concentration for Windrow on Day 14 : 3299

Standard Deviation: 7683

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M149

TETRYL Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	03/13/00	03/27/00	14	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
TETRYL	03/13/00	03/27/00	14	05	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*476*
TETRYL	03/13/00	03/27/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
TETRYL	03/13/00	03/27/00	14	09	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*469*
TETRYL	03/13/00	03/27/00	14	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 14 : ***483***

Standard Deviation: ***14***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-150 Day 0: 03/17/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5760	12.15	2520	5.275	11605	20.475	19885
2	3.1	5790	12.1	2470	5.275	11605	20.475	19865
3	3.15	5810	12.1	2440	5.275	11605	20.525	19855
4	3	5700	12.1	2410	5.275	11605	20.375	19715
5	3.1	5770	12.1	2490	5.275	11605	20.475	19865
6	3.15	5830	12.1	2450	5.275	11605	20.525	19885
7	3.1	5480	12.1	2540	5.275	11605	20.475	19625
8	3.1	5840	12.1	2430	5.275	11605	20.475	19875
9	3.1	5790	12.15	2530	5.275	11605	20.525	19925
10	3	5700	12.1	2440	5.275	11605	20.375	19745
11	3.1	5760	12.15	2530	5.275	11605	20.525	19895
12	3.1	5720	12.1	2470	5.275	11605	20.475	19795
13	3	5700	12.1	2450	5.275	11605	20.375	19755
14	3.15	5820	12.15	2590	5.275	11605	20.575	20015
15	3.1	5730	12	2400	5.275	11605	20.375	19735
16	3.15	5840	12.1	2480	5.275	11605	20.525	19925
17	3.1	5780	12.2	2610	5.275	11605	20.575	19995
18	3.1	5760	12.15	2540	5.275	11605	20.525	19905
19	3.1	5710	12.1	2440	5.275	11605	20.475	19755
20	3.75	5890	13	3110	5.275	11605	22.025	20605
21	3.75	5790	13	2750	5.275	11605	22.025	20145
22	3.75	5860	13	2880	5.275	11605	22.025	20345
23	3.5	5790	13	2840	5.275	11605	21.775	20235
24	3.75	5840	13	2510	5.275	11605	22.025	19955
25	3.75	5910	13	2570	5.275	11605	22.025	20085
26	3	5730	13	2600	5.275	11605	21.275	19935
27	3	5780	13	2420	5.275	11605	21.275	19805
28	3.75	5810	13	2600	5.275	11605	22.025	20015
29	3	5790	13	2540	5.275	11605	21.275	19935
30	3.75	5830	13	2420	5.275	11605	22.025	19855
31	3	5790	13	2410	5.275	11605	21.275	19805
32	3.25	5880	13	2450	5.275	11605	21.525	19935
33	3	5790	13	2480	5.275	11605	21.275	19875
34	3.25	5840	13	2650	5.275	11605	21.525	20095
35	3.75	5920	13	2560	5.275	11605	22.025	20085
36	3	5760	13	2430	5.275	11605	21.275	19795
37	3	5790	13	2510	5.275	11605	21.275	19905
38	3.1	5750	12.15	2490	5.275	11605	20.525	19845
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	122.9	219830	476.3	96450	211.00	464200	810.15	780480

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 150 PERFORMED BY: Howard

DATE: 3/17/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5760	12.15	2520				
2	3.10	5790	12.10	2470				
3	3.15	5810	12.10	2440				
4	3	5700	12.10	2410				
5	3.10	5770	12.10	2490				
6	3.15	5830	12.10	2450				
7	3.10	5780	12.10	2540				
8	3.10	5840	12.10	2480				
9	3.10	5790	12.15	2530				
10	3	5700	12.10	2440				
11	3.10	5760	12.15	2530				
12	3.10	5720	12.10	2470				
13	3	5700	12.10	2450				
14	3.15	5820	12.15	2590				
15	3.10	5730	12.	2400				
16	3.15	5840	12.10	2480				
17	3.10	5780	12.20	2610				
18	3.10	5760	12.15	2540				
19	3.10	5710	12.10	2440				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 21 Windrow # 152 PERFORMED BY: James

DATE: 3/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
~~1~~	3.75	5890	13	3110				
2	3.75	5790	13	2750				
3	3.75	5860	13	2880				
4	3.50	5790	13	2840				
5	3.50	5840	13	2510				
6	3.75	5910	13	2570				
7	3	5730	13	2600				
8	3	5780	13	2420				
9	3.25	5810	13	2600				
10	3	5790	13	2540				
11	3.25	5830	13	2420				
12	3	5750	13	2410				
13	3.25	5880	13	2450				
14	3	5790	13	2480				
15	3.25	5840	13	2650				
16	3.75	5920	13	2560				
17	3	5760	13	2430				
18	3	5790	13	2510				
19	3.10	5750	12.15	2490				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S150	3/17/00	3/17/00	0		
		3/18/00	1	26.10	26.07
		3/19/00	2	37.33	46.13
		3/20/00	3	55.43	42.80
		3/21/00	4	51.97	48.07
		3/22/00	5	62.40	52.33
		3/23/00	6	61.77	56.27
		3/24/00	7	60.70	55.57
		3/25/00	8	62.87	58.07
		3/26/00	9	64.73	61.80

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S150	3/17/00	3/17/00	0		
		3/18/00	1	11.70	11.07
		3/19/00	2	11.30	10.77
		3/20/00	3	11.30	15.07
		3/21/00	4	14.67	14.13
		3/22/00	5	10.47	15.30
		3/23/00	6	15.83	16.63
		3/24/00	7	12.97	11.33
		3/25/00	8	15.60	15.40
		3/26/00	9	13.37	15.10

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (%)	POST-Turn (%)
S150	3/17/00	3/17/00	0		
		3/18/00	1		48.24
		3/19/00	2		
		3/20/00	3		51.68
		3/21/00	4		
		3/22/00	5		
		3/23/00	6		
		3/24/00	7		54.62
		3/25/00	8		
		3/26/00	9		

All average MWHC values are expressed in percent

Windrow Number: S150 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	03/17/00	03/27/00	10	03	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*477*
135TNB	03/17/00	03/27/00	10	05	1	LT 454	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*469*
135TNB	03/17/00	03/27/00	10	07	1	LT 476	
					2	LT 500	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*477*
135TNB	03/17/00	03/27/00	10	09	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
135TNB	03/17/00	03/27/00	10	11	1	LT 476	
					2	LT 454	
					3	168 J	
				Average Concentration for Cross Section 11 :			*366*

Average Concentration for Windrow on Day 10 : 456

Standard Deviation: 82

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S150 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	03/17/00	03/27/00	10	03	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*477*
13DNB	03/17/00	03/27/00	10	05	1	LT 454	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*469*
13DNB	03/17/00	03/27/00	10	07	1	LT 476	
					2	LT 500	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*477*
13DNB	03/17/00	03/27/00	10	09	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
13DNB	03/17/00	03/27/00	10	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : ***478***

Standard Deviation: ***20***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S150 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	03/17/00	03/27/00	10	03	1	LT	500	
					2		1040	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*665*
246TNT	03/17/00	03/27/00	10	05	1		153 J	
					2		598	
					3		546	
				Average Concentration for Cross Section 05 :				*432*
246TNT	03/17/00	03/27/00	10	07	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
246TNT	03/17/00	03/27/00	10	09	1	LT	500	
					2		198 J	
					3		976	
				Average Concentration for Cross Section 09 :				*558*
246TNT	03/17/00	03/27/00	10	11	1		296 J	
					2		187 J	
					3		7600	
				Average Concentration for Cross Section 11 :				*2694*

Average Concentration for Windrow on Day 10 : 965

Standard Deviation: 1853

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S150

2,4-DINITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	03/17/00	03/27/00	10	03	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
24DNT	03/17/00	03/27/00	10	05	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*469*
24DNT	03/17/00	03/27/00	10	07	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
24DNT	03/17/00	03/27/00	10	09	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
24DNT	03/17/00	03/27/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***478***

Standard Deviation: ***20***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S150 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	03/17/00	03/27/00	10	03	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*477*
26DNT	03/17/00	03/27/00	10	05	1	LT 454	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*469*
26DNT	03/17/00	03/27/00	10	07	1	LT 476	
					2	LT 500	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*477*
26DNT	03/17/00	03/27/00	10	09	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
26DNT	03/17/00	03/27/00	10	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : ***478***

Standard Deviation: ***20***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S150

2-AMINO-4,6-DINITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	03/17/00	03/27/00	10	03	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*477*
2A46DT	03/17/00	03/27/00	10	05	1	LT 454	
					2	149 J	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*368*
2A46DT	03/17/00	03/27/00	10	07	1	LT 476	
					2	LT 500	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*477*
2A46DT	03/17/00	03/27/00	10	09	1	LT 500	
					2	190 J	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*397*
2A46DT	03/17/00	03/27/00	10	11	1	346 J	
					2	LT 454	
					3	1000	
				Average Concentration for Cross Section 11 :			*600*

Average Concentration for Windrow on Day 10 : ***464***

Standard Deviation: ***186***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S150 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	03/17/00	03/27/00	10	03	1	LT	500
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 03 :			*477*
2NT	03/17/00	03/27/00	10	05	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*469*
2NT	03/17/00	03/27/00	10	07	1	LT	476
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 07 :			*477*
2NT	03/17/00	03/27/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
2NT	03/17/00	03/27/00	10	11	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : ***478***

Standard Deviation: ***20***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S150 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	03/17/00	03/27/00	10	03	1	LT	500
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 03 :			*477*
3NT	03/17/00	03/27/00	10	05	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*469*
3NT	03/17/00	03/27/00	10	07	1	LT	476
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 07 :			*477*
3NT	03/17/00	03/27/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
3NT	03/17/00	03/27/00	10	11	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : ***478***

Standard Deviation: ***20***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S150 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	03/17/00	03/27/00	10	03	1	LT	500
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 03 :			*477*
4A26DT	03/17/00	03/27/00	10	05	1		256 J
					2		234 J
					3		186 J
				Average Concentration for Cross Section 05 :			*225*
4A26DT	03/17/00	03/27/00	10	07	1	LT	476
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 07 :			*477*
4A26DT	03/17/00	03/27/00	10	09	1	LT	500
					2		259 J
					3	LT	500
				Average Concentration for Cross Section 09 :			*420*
4A26DT	03/17/00	03/27/00	10	11	1		511
					2		327 J
					3		1540
				Average Concentration for Cross Section 11 :			*793*

Average Concentration for Windrow on Day 10 : ***478***

Standard Deviation: ***316***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S150 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	03/17/00	03/27/00	10	03	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
4NT	03/17/00	03/27/00	10	05	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*469*
4NT	03/17/00	03/27/00	10	07	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
4NT	03/17/00	03/27/00	10	09	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
4NT	03/17/00	03/27/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***478***

Standard Deviation: ***20***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S150 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration UGKG
HMX	03/17/00	03/27/00	10	03	1	348 J
					2	525
					3	452 J
				Average Concentration for Cross Section 03 :		*442*
HMX	03/17/00	03/27/00	10	05	1	1820
					2	1570
					3	723
				Average Concentration for Cross Section 05 :		*1371*
HMX	03/17/00	03/27/00	10	07	1	388 J
					2	149 J
					3	551
				Average Concentration for Cross Section 07 :		*363*
HMX	03/17/00	03/27/00	10	09	1	1060
					2	129 J
					3	950
				Average Concentration for Cross Section 09 :		*713*
HMX	03/17/00	03/27/00	10	11	1	2390
					2	1660
					3	2580
				Average Concentration for Cross Section 11 :		*2210*

Average Concentration for Windrow on Day 10 : 1020

Standard Deviation: 799

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S150 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	03/17/00	03/27/00	10	03	1	LT	500
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 03 :			*477*
NB	03/17/00	03/27/00	10	05	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*469*
NB	03/17/00	03/27/00	10	07	1	LT	476
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 07 :			*477*
NB	03/17/00	03/27/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
NB	03/17/00	03/27/00	10	11	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : ***478***

Standard Deviation: ***20***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S150 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration UGKG
RDX	03/17/00	03/27/00	10	03	1	570
					2	218 J
					3	275 J
				Average Concentration for Cross Section 03 :		*354*
RDX	03/17/00	03/27/00	10	05	1	1270
					2	4020
					3	218 J
				Average Concentration for Cross Section 05 :		*1836*
RDX	03/17/00	03/27/00	10	07	1	627
					2	160 J
					3	174 J
				Average Concentration for Cross Section 07 :		*320*
RDX	03/17/00	03/27/00	10	09	1	563
					2	131 J
					3	3960
				Average Concentration for Cross Section 09 :		*1551*
RDX	03/17/00	03/27/00	10	11	1	1170
					2	450 J
					3	4480
				Average Concentration for Cross Section 11 :		*2033*

Average Concentration for Windrow on Day 10 : 1219

Standard Deviation: 1560

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S150 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	03/17/00	03/27/00	10	03	1	LT	500
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 03 :			*477*
TETRYL	03/17/00	03/27/00	10	05	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*469*
TETRYL	03/17/00	03/27/00	10	07	1	LT	476
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 07 :			*477*
TETRYL	03/17/00	03/27/00	10	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
TETRYL	03/17/00	03/27/00	10	11	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : ***478***

Standard Deviation: ***20***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-151 Day 0: 03/24/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2490	5.275	11605	20.475	19845
2	3.1	5720	12.1	2470	5.275	11605	20.475	19795
3	3.1	5740	12	2400	5.275	11605	20.375	19745
4	3.1	5770	12.1	2480	5.275	11605	20.475	19855
5	3.15	5820	12.1	2450	5.275	11605	20.525	19875
6	3.1	5790	12.15	2510	5.275	11605	20.525	19905
7	3	5700	12.1	2440	5.275	11605	20.375	19745
8	3.15	5830	12.1	2450	5.275	11605	20.525	19885
9	3	5700	12.1	2420	5.275	11605	20.375	19725
10	3.15	5840	12.1	2450	5.275	11605	20.525	19895
11	3.1	5780	12.15	2560	5.275	11605	20.525	19945
12	3	5700	12.1	2420	5.275	11605	20.375	19725
13	3.1	5760	12.1	2480	5.275	11605	20.475	19845
14	3.15	5870	12.1	2490	5.275	11605	20.525	19965
15	3.1	5750	12	2400	5.275	11605	20.375	19755
16	3	5700	12.1	2420	5.275	11605	20.375	19725
17	3.15	5860	12.1	2490	5.275	11605	20.525	19955
18	3	5700	12.1	2450	5.275	11605	20.375	19755
19	3.1	5750	12.1	2490	5.275	11605	20.475	19845
20	3.15	5800	12.5	2790	5.275	11605	20.925	20195
21	3.15	5820	12.75	2920	5.275	11605	21.175	20345
22	3.1	5780	12	2400	5.275	11605	20.375	19785
23	3.15	5840	12.25	2760	5.275	11605	20.675	20205
24	3.1	5760	12.1	2410	5.275	11605	20.475	19775
25	3.15	5810	12.1	2460	5.275	11605	20.525	19875
26	3.1	5720	12	2400	5.275	11605	20.375	19725
27	3.15	5840	12.25	2760	5.275	11605	20.675	20205
28	3.1	5730	12.15	2500	5.275	11605	20.525	19835
29	3	5700	12.1	2440	5.275	11605	20.375	19745
30	3.15	5820	12.1	2410	5.275	11605	20.525	19835
31	3.1	5760	12.2	2670	5.275	11605	20.575	20035
32	3	5700	12.3	2960	5.275	11605	20.575	20265
33	3.1	5810	12.2	2420	5.275	11605	20.575	19835
34	3.15	5860	12.1	2400	5.275	11605	20.525	19865
35	3.1	5800	12	2490	5.275	11605	20.375	19895
36	3	5700	12.1	2450	5.275	11605	20.375	19755
37	3.1	5740	12.1	2450	5.275	11605	20.475	19795
38	3.1	5770	12.1	2470	5.275	11605	20.475	19845
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	117.6	219290	461.2	95320	211.00	464200	789.8	778810

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5151 PERFORMED BY: [illegible]

DATE: 8 24 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Poultry		STRAW Supplier: [illegible]		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5800	12.50	2790				
2	3.15	5820	12.75	2920				
3	3.10	5780	12	2400				
4	3.15	5840	12.25	2760				
5	3.10	5760	12.10	2410				
6	3.15	5810	12.10	2460				
7	3.10	5720	12	2400				
8	3.15	5840	12.25	2760				
9	3.10	5730	12.15	2500				
10	3	5700	12.10	2440				
11	3.15	5820	12.10	2410				
12	3.10	5760	12.20	2670				
13	3	5700	12.30	2960				
14	3.10	5810	12.20	2690				
15	3.15	5840	12.10	2420				
16	3.10	5800	12	2400				
17	3	5700	12.10	2490				
18	3.10	5740	12.10	2450				
19	3.10	5770	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 151 PERFORMED BY: Howard

DATE: 3 12/100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2490				
2	3.10	5720	12.10	2470				
3	3.10	5740	12	2400				
4	3.10	5770	12.10	2480				
5	3.15	5820	12.10	2450				
6	3.10	5790	12.15	2510				
7	3	5700	12.10	2440				
8	3.15	5830	12.10	2450				
9	3	5700	12.10	2420				
10	3.15	5840	12.10	2450				
11	3.10	5780	12.15	2560				
12	3	5700	12.10	2420				
13	3.10	5760	12.10	2480				
14	3.15	5870	12.10	2490				
15	3.10	5750	12	2400				
16	3	5700	12.10	2420				
17	3.15	5860	12.10	2490				
18	3	5700	12.10	2450				
19	3.10	5750	12.10	2490				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
3151	3/24/00	3/24/00	0		25.93
		3/25/00	1	51.37	52.30
		3/26/00	2	62.30	59.70
		3/27/00	3	50.33	50.60
		3/28/00	4	52.23	49.77
		3/29/00	5	55.50	49.73
		3/30/00	6	57.30	53.40
		3/31/00	7	59.10	43.20
		4/1/00	8	54.40	52.47
		4/2/00	9	62.47	58.67
		4/3/00	10	61.03	57.77
		4/4/00	11	60.67	53.73

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S151	3/24/00	3/24/00	0		16.97
		3/25/00	1	5.27	11.13
		3/26/00	2	9.43	14.63
		3/27/00	3	15.23	14.43
		3/28/00	4	10.00	10.50
		3/29/00	5	12.27	9.63
		3/30/00	6	14.40	12.03
		3/31/00	7	12.00	11.30
		4/1/00	8	13.47	14.97
		4/2/00	9	10.23	16.60
		4/3/00	10	13.80	9.17
		4/4/00	11	16.13	17.00

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S151	3/24/00	3/24/00	0		53.48
		3/27/00	3		54.62
		3/30/00	6		50.96
		3/31/00	7		53.96
		4/3/00	10		40.36

All average MWHC values are expressed in percent

Windrow Number: S151 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	03/24/00	04/05/00	12	03	1	LT	417
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 03 :			*429*
135TNB	03/24/00	04/05/00	12	05	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 05 :			*455*
135TNB	03/24/00	04/05/00	12	07	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*455*
135TNB	03/24/00	04/05/00	12	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
135TNB	03/24/00	04/05/00	12	11	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 12 : ***460***

Standard Deviation: ***25***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S151 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	03/24/00	04/05/00	12	03	1	LT	417
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 03 :			*429*
13DNB	03/24/00	04/05/00	12	05	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 05 :			*455*
13DNB	03/24/00	04/05/00	12	07	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*455*
13DNB	03/24/00	04/05/00	12	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
13DNB	03/24/00	04/05/00	12	11	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 12 : 460

Standard Deviation: 25

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S151 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	03/24/00	04/05/00	12	03	1		152 J	
					2		328 J	
					3		14300	
				Average Concentration for Cross Section 03 :				*4927*
246TNT	03/24/00	04/05/00	12	05	1	LT	454	
					2	LT	476	
					3		90.2 J	
				Average Concentration for Cross Section 05 :				*340*
246TNT	03/24/00	04/05/00	12	07	1		105 J	
					2	LT	476	
					3		242 J	
				Average Concentration for Cross Section 07 :				*274*
246TNT	03/24/00	04/05/00	12	09	1		1330	
					2	LT	476	
					3		241 J	
				Average Concentration for Cross Section 09 :				*682*
246TNT	03/24/00	04/05/00	12	11	1		1340	
					2	LT	476	
					3		246 J	
				Average Concentration for Cross Section 11 :				*687*

Average Concentration for Windrow on Day 12 : 1382

Standard Deviation: 3594

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S151

2,4-DINITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	03/24/00	04/05/00	12	03	1	LT	417	
					2	LT	435	
					3	LT	435	
					Average Concentration for Cross Section 03 :			*429*
24DNT	03/24/00	04/05/00	12	05	1	LT	454	
					2	LT	476	
					3	LT	435	
					Average Concentration for Cross Section 05 :			*455*
24DNT	03/24/00	04/05/00	12	07	1	LT	454	
					2	LT	476	
					3	LT	435	
					Average Concentration for Cross Section 07 :			*455*
24DNT	03/24/00	04/05/00	12	09	1	LT	476	
					2	LT	476	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*484*
24DNT	03/24/00	04/05/00	12	11	1	LT	454	
					2	LT	476	
					3	LT	500	
					Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 12 : 460

Standard Deviation: 25

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S151 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	03/24/00	04/05/00	12	03	1	LT	417
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 03 :			*429*
26DNT	03/24/00	04/05/00	12	05	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 05 :			*455*
26DNT	03/24/00	04/05/00	12	07	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*455*
26DNT	03/24/00	04/05/00	12	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
26DNT	03/24/00	04/05/00	12	11	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 12 : ***460***

Standard Deviation: ***25***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S151 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	03/24/00	04/05/00	12	03	1	82.1 J	
					2	125 J	
					3	127 J	
				Average Concentration for Cross Section 03 :			*111*
2A46DT	03/24/00	04/05/00	12	05	1	LT 454	
					2	LT 476	
					3	LT 435	
				Average Concentration for Cross Section 05 :			*455*
2A46DT	03/24/00	04/05/00	12	07	1	LT 454	
					2	LT 476	
					3	99.1 J	
				Average Concentration for Cross Section 07 :			*343*
2A46DT	03/24/00	04/05/00	12	09	1	996	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*657*
2A46DT	03/24/00	04/05/00	12	11	1	LT 454	
					2	LT 476	
					3	2010	
				Average Concentration for Cross Section 11 :			*980*

Average Concentration for Windrow on Day 12 : 509

Standard Deviation: 475

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S151 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	03/24/00	04/05/00	12	03	1	LT	417
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 03 :			*429*
2NT	03/24/00	04/05/00	12	05	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 05 :			*455*
2NT	03/24/00	04/05/00	12	07	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*455*
2NT	03/24/00	04/05/00	12	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
2NT	03/24/00	04/05/00	12	11	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 12 : 460

Standard Deviation: 25

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S151 **3-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	03/24/00	04/05/00	12	03	1	LT	417	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*429*
3NT	03/24/00	04/05/00	12	05	1	LT	454	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*455*
3NT	03/24/00	04/05/00	12	07	1	LT	454	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*455*
3NT	03/24/00	04/05/00	12	09	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*484*
3NT	03/24/00	04/05/00	12	11	1	LT	454	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 12 : 460

Standard Deviation: 25

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S151 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
4A26DT	03/24/00	04/05/00	12	03	1		374 J	
					2		343 J	
					3	LT	435	
					Average Concentration for Cross Section 03 :			*384*
4A26DT	03/24/00	04/05/00	12	05	1	LT	454	
					2	LT	476	
					3	LT	435	
					Average Concentration for Cross Section 05 :			*455*
4A26DT	03/24/00	04/05/00	12	07	1	LT	454	
					2	LT	476	
					3		217 J	
					Average Concentration for Cross Section 07 :			*382*
4A26DT	03/24/00	04/05/00	12	09	1		1070	
					2	LT	476	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*682*
4A26DT	03/24/00	04/05/00	12	11	1	LT	454	
					2	LT	476	
					3		1840	
					Average Concentration for Cross Section 11 :			*923*

Average Concentration for Windrow on Day 12 : 565

Standard Deviation: 396

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S151 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	03/24/00	04/05/00	12	03	1	LT	417
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 03 :			*429*
4NT	03/24/00	04/05/00	12	05	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 05 :			*455*
4NT	03/24/00	04/05/00	12	07	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*455*
4NT	03/24/00	04/05/00	12	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
4NT	03/24/00	04/05/00	12	11	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 12 : ***460***

Standard Deviation: ***25***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S151 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
HMX	03/24/00	04/05/00	12	03	1		1650	
					2		1110	
					3		93.2 J	
				Average Concentration for Cross Section 03 :				*951*
HMX	03/24/00	04/05/00	12	05	1	LT	454	
					2	LT	476	
					3		494	
				Average Concentration for Cross Section 05 :				*475*
HMX	03/24/00	04/05/00	12	07	1		220 J	
					2	LT	476	
					3		1380	
				Average Concentration for Cross Section 07 :				*692*
HMX	03/24/00	04/05/00	12	09	1	LT	476	
					2		1240	
					3		459 J	
				Average Concentration for Cross Section 09 :				*725*
HMX	03/24/00	04/05/00	12	11	1		937	
					2		1330	
					3		2510	
				Average Concentration for Cross Section 11 :				*1592*

Average Concentration for Windrow on Day 12 : ***887***

Standard Deviation: ***651***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S151 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	03/24/00	04/05/00	12	03	1	LT	417
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 03 :			*429*
NB	03/24/00	04/05/00	12	05	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 05 :			*455*
NB	03/24/00	04/05/00	12	07	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*455*
NB	03/24/00	04/05/00	12	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
NB	03/24/00	04/05/00	12	11	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 12 : 460

Standard Deviation: 25

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S151 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration* UGKG
RDX	03/24/00	04/05/00	12	03	1		2030
					2		1900
					3		334 J
				Average Concentration for Cross Section 03 :			*1421*
RDX	03/24/00	04/05/00	12	05	1	LT	454
					2	LT	476
					3		551
				Average Concentration for Cross Section 05 :			*494*
RDX	03/24/00	04/05/00	12	07	1		310 J
					2		160 J
					3		1480
				Average Concentration for Cross Section 07 :			*650*
RDX	03/24/00	04/05/00	12	09	1	LT	476
					2		1490
					3		972
				Average Concentration for Cross Section 09 :			*979*
RDX	03/24/00	04/05/00	12	11	1		887
					2		531
					3		4870
				Average Concentration for Cross Section 11 :			*2096*

Average Concentration for Windrow on Day 12 : 1128

Standard Deviation: 1195

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S151 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	03/24/00	04/05/00	12	03	1	LT	417
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 03 :			*429*
TETRYL	03/24/00	04/05/00	12	05	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 05 :			*455*
TETRYL	03/24/00	04/05/00	12	07	1	LT	454
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*455*
TETRYL	03/24/00	04/05/00	12	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
TETRYL	03/24/00	04/05/00	12	11	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 12 : 460

Standard Deviation: 25

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-152 Day 0: 03/31/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5780	12.1	2450	5.275	11605	20.475	19835
2	3.1	5740	12.1	2420	5.275	11605	20.475	19765
3	3.1	5780	12.1	2490	5.275	11605	20.475	19875
4	3.1	5750	12.15	2520	5.275	11605	20.525	19875
5	3	5710	12.1	2460	5.275	11605	20.375	19775
6	3.1	5770	12.15	2550	5.275	11605	20.525	19925
7	3.1	5730	12.1	2460	5.275	11605	20.475	19795
8	3.1	5790	12	2400	5.275	11605	20.375	19795
9	3.1	5720	12.1	2470	5.275	11605	20.475	19795
10	3.1	5780	12.15	2560	5.275	11605	20.525	19945
11	3	5700	12.1	2490	5.275	11605	20.375	19795
12	3.15	5800	12.15	2570	5.275	11605	20.575	19975
13	3.1	5750	12.1	2440	5.275	11605	20.475	19795
14	3.1	5760	12.1	2570	5.275	11605	20.475	19935
15	3	5700	12.1	2490	5.275	11605	20.375	19795
16	3.1	5830	12.1	2460	5.275	11605	20.475	19895
17	3.1	5720	12	2400	5.275	11605	20.375	19725
18	3.1	5790	12.15	2560	5.275	11605	20.525	19955
19	3.15	5810	12.1	2470	5.275	11605	20.525	19885
20	3.2	5820	12.75	2690	5.275	11605	21.225	20115
21	3.25	5900	12.75	2640	5.275	11605	21.275	20145
22	3.25	5990	13.25	2800	5.275	11605	21.775	20395
23	3.1	5770	12	2420	5.275	11605	20.375	19795
24	3.25	5800	12	2480	5.275	11605	20.525	19885
25	3.2	5880	13.25	2880	5.275	11605	21.725	20365
26	3.2	5890	12.15	2500	5.275	11605	20.625	19995
27	3.1	5770	12	2390	5.275	11605	20.375	19765
28	3.15	5900	12.15	2500	5.275	11605	20.575	20005
29	3.2	5860	13.25	2840	5.275	11605	21.725	20305
30	3.15	5790	12	2420	5.275	11605	20.425	19815
31	3	5730	12	2400	5.275	11605	20.275	19735
32	3	5710	12.1	2480	5.275	11605	20.375	19795
33	3.15	5820	12.1	2450	5.275	11605	20.525	19875
34	3.1	5740	12.1	2490	5.275	11605	20.475	19835
35	3.1	5720	12.1	2460	5.275	11605	20.475	19785
36	3	5700	12.1	2450	5.275	11605	20.375	19755
37	3.15	5840	12.1	2420	5.275	11605	20.525	19865
38	3.1	5770	12.15	2530	5.275	11605	20.525	19905
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
Total	118.35	219810	464.25	95470	211.00	464200	793.6	779480

RECORD OF RECIPE (MIX NO. 7B)

Building # 71 Windrow # 71152 PERFORMED BY: _____

DATE: 3/30/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Walnut Valley Produce		STRAW Supplier: Lowdenmilk Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.20	5820	12.75	2690				
2	3.25	5900	12.75	2640				
3	3.25	5990	13.25	2800				
4	3.10	5770	12.00	2420				
5	3.25	5800	12.00	2480				
6	3.20	5880	13.25	2880				
7	3.20	5890	12.15	2500				
8	3.10	5770	12.00	2390				
9	3.15	5800	12.15	2500				
10	3.20	5860	13.25	2840				
11	3.15	5790	12.00	2420				
12	3	5730	12	2400				
13	3	5710	12.10	2480				
14	3.15	5820	12.10	2450				
15	3.10	5740	12.10	2490				
16	3.10	5720	12.10	2460				
17	3	5700	12.10	2450				
18	3.15	5840	12.10	2420				
19	3.10	5770	12.15	2530				
Total								

Comments:

2588

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # m Windrow # 152

PERFORMED BY: Howard

DATE: 3/30/00

INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5780	12.10	2450				
2	3.10	5740	12.10	2420				
3	3.10	5780	12.10	2490				
4	3.10	5750	12.15	2520				
5	3	5710	12.10	2460				
6	3.10	5770	12.15	2550				
7	3.10	5730	12.10	2460				
8	3.10	5790	12	2400				
9	3.10	5730	12.10	2470				
10	3.10	5780	12.15	2560				
11	3	5700	12.10	2490				
12	3.15	5800	12.15	2570				
13	3.10	5750	12.10	2440				
14	3.10	5760	12.10	2570				
15	3	5700	12.10	2490				
16	3.10	5830	12.10	2460				
17	3.10	5720	12	2400				
18	3.10	5790	12.15	2560				
19	3.15	5810	12.10	2470				

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M152	3/31/00	3/31/00	0		28.23
		4/1/00	1	46.63	41.50
		4/2/00	2	62.80	60.20
		4/3/00	3	59.97	52.67
		4/4/00	4	62.20	55.13
		4/5/00	5	53.20	52.20
		4/6/00	6	59.50	55.47
		4/7/00	7	61.97	58.67
		4/8/00	8	63.10	52.20
		4/9/00	9	49.97	53.70
		4/10/00	10	60.13	56.43
		4/11/00	11	65.93	64.10

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M152	3/31/00	3/31/00	0		10.57
		4/1/00	1	3.63	12.27
		4/2/00	2	9.87	14.00
		4/3/00	3	9.57	9.10
		4/4/00	4	14.50	8.73
		4/5/00	5	18.13	18.40
		4/6/00	6	17.97	7.03
		4/7/00	7	10.97	

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M152	3/31/00	4/3/00	3		52.34
		4/5/00	5		43.90
		4/6/00	6		49.00
		4/10/00	10		50.16

All average MWHC values are expressed in percent

Windrow Number: M152 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	03/31/00	04/12/00	12	03	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*469*
135TNB	03/31/00	04/12/00	12	05	1	LT	417	
					2	LT	385	
					3	LT	357	
				Average Concentration for Cross Section 05 :				*386*
135TNB	03/31/00	04/12/00	12	07	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
135TNB	03/31/00	04/12/00	12	09	1	LT	400	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 09 :				*407*
135TNB	03/31/00	04/12/00	12	11	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*485*

Average Concentration for Windrow on Day 12 : 439

Standard Deviation: 45

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M152 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	03/31/00	04/12/00	12	03	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*469*
13DNB	03/31/00	04/12/00	12	05	1	LT	417	
					2	LT	385	
					3	LT	357	
				Average Concentration for Cross Section 05 :				*386*
13DNB	03/31/00	04/12/00	12	07	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
13DNB	03/31/00	04/12/00	12	09	1	LT	400	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 09 :				*407*
13DNB	03/31/00	04/12/00	12	11	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*485*

Average Concentration for Windrow on Day 12 : 439

Standard Deviation: 45

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M152 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
246TNT	03/31/00	04/12/00	12	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
246TNT	03/31/00	04/12/00	12	05	1	LT	417
					2		58.3 J
					3		60.2 J
				Average Concentration for Cross Section 05 :			*179*
246TNT	03/31/00	04/12/00	12	07	1	LT	435
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
246TNT	03/31/00	04/12/00	12	09	1		83.9 J
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 09 :			*301*
246TNT	03/31/00	04/12/00	12	11	1	LT	500
					2		67.5 J
					3	LT	500
				Average Concentration for Cross Section 11 :			*356*

Average Concentration for Windrow on Day 12 : ***351***

Standard Deviation: ***180***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M152 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	03/31/00	04/12/00	12	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
24DNT	03/31/00	04/12/00	12	05	1	LT	417
					2	LT	385
					3	LT	357
				Average Concentration for Cross Section 05 :			*386*
24DNT	03/31/00	04/12/00	12	07	1	LT	435
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
24DNT	03/31/00	04/12/00	12	09	1	LT	400
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 09 :			*407*
24DNT	03/31/00	04/12/00	12	11	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*485*

Average Concentration for Windrow on Day 12 : 439

Standard Deviation: 45

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M152 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	03/31/00	04/12/00	12	03	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*469*
26DNT	03/31/00	04/12/00	12	05	1	LT	417	
					2	LT	385	
					3	LT	357	
				Average Concentration for Cross Section 05 :				*386*
26DNT	03/31/00	04/12/00	12	07	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
26DNT	03/31/00	04/12/00	12	09	1	LT	400	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 09 :				*407*
26DNT	03/31/00	04/12/00	12	11	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*485*

Average Concentration for Windrow on Day 12 : ***439***

Standard Deviation: ***45***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M152 **2-AMINO-4,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	03/31/00	04/12/00	12	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
2A46DT	03/31/00	04/12/00	12	05	1	LT	417
					2	LT	385
					3	LT	357
				Average Concentration for Cross Section 05 :			*386*
2A46DT	03/31/00	04/12/00	12	07	1	LT	435
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
2A46DT	03/31/00	04/12/00	12	09	1	LT	400
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 09 :			*407*
2A46DT	03/31/00	04/12/00	12	11	1	LT	500
					2		471
					3	LT	500
				Average Concentration for Cross Section 11 :			*490*

Average Concentration for Windrow on Day 12 : 440

Standard Deviation: 45

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M152 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	03/31/00	04/12/00	12	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
2NT	03/31/00	04/12/00	12	05	1	LT	417
					2	LT	385
					3	LT	357
				Average Concentration for Cross Section 05 :			*386*
2NT	03/31/00	04/12/00	12	07	1	LT	435
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
2NT	03/31/00	04/12/00	12	09	1	LT	400
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 09 :			*407*
2NT	03/31/00	04/12/00	12	11	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*485*

Average Concentration for Windrow on Day 12 : ***439***

Standard Deviation: ***45***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M152

3-NITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	03/31/00	04/12/00	12	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
3NT	03/31/00	04/12/00	12	05	1	LT	417
					2	LT	385
					3	LT	357
				Average Concentration for Cross Section 05 :			*386*
3NT	03/31/00	04/12/00	12	07	1	LT	435
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
3NT	03/31/00	04/12/00	12	09	1	LT	400
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 09 :			*407*
3NT	03/31/00	04/12/00	12	11	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*485*

Average Concentration for Windrow on Day 12 : ***439***

Standard Deviation: ***45***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M152 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	03/31/00	04/12/00	12	03	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*469*
4A26DT	03/31/00	04/12/00	12	05	1	LT	417	
					2	LT	385	
					3	LT	357	
				Average Concentration for Cross Section 05 :				*386*
4A26DT	03/31/00	04/12/00	12	07	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
4A26DT	03/31/00	04/12/00	12	09	1	LT	400	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 09 :				*407*
4A26DT	03/31/00	04/12/00	12	11	1	LT	500	
					2		438 J	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*479*

Average Concentration for Windrow on Day 12 : ***438***

Standard Deviation: ***44***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M152 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	03/31/00	04/12/00	12	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
4NT	03/31/00	04/12/00	12	05	1	LT	417
					2	LT	385
					3	LT	357
				Average Concentration for Cross Section 05 :			*386*
4NT	03/31/00	04/12/00	12	07	1	LT	435
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
4NT	03/31/00	04/12/00	12	09	1	LT	400
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 09 :			*407*
4NT	03/31/00	04/12/00	12	11	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*485*

Average Concentration for Windrow on Day 12 : 439

Standard Deviation: 45

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M152 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	03/31/00	04/12/00	12	03	1	LT	454	
					2		455	
					3		611	
					Average Concentration for Cross Section 03 :			*507*
HMX	03/31/00	04/12/00	12	05	1	LT	417	
					2		466	
					3		303 J	
					Average Concentration for Cross Section 05 :			*395*
HMX	03/31/00	04/12/00	12	07	1	LT	435	
					2		1220	
					3		1860	
					Average Concentration for Cross Section 07 :			*1172*
HMX	03/31/00	04/12/00	12	09	1	LT	400	
					2		1710	
					3	LT	385	
					Average Concentration for Cross Section 09 :			*832*
HMX	03/31/00	04/12/00	12	11	1	LT	500	
					2		1620	
					3		1150	
					Average Concentration for Cross Section 11 :			*1090*

Average Concentration for Windrow on Day 12 : ***799***

Standard Deviation: ***552***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M152 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	03/31/00	04/12/00	12	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
NB	03/31/00	04/12/00	12	05	1	LT	417
					2	LT	385
					3	LT	357
				Average Concentration for Cross Section 05 :			*386*
NB	03/31/00	04/12/00	12	07	1	LT	435
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
NB	03/31/00	04/12/00	12	09	1	LT	400
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 09 :			*407*
NB	03/31/00	04/12/00	12	11	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*485*

Average Concentration for Windrow on Day 12 : 439

Standard Deviation: 45

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M152 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	03/31/00	04/12/00	12	03	1	LT	454	
					2	LT	454	
					3		723	
				Average Concentration for Cross Section 03 :				*544*
RDX	03/31/00	04/12/00	12	05	1	LT	417	
					2		736	
					3	LT	357	
				Average Concentration for Cross Section 05 :				*503*
RDX	03/31/00	04/12/00	12	07	1	LT	435	
					2		3250	
					3		729	
				Average Concentration for Cross Section 07 :				*1471*
RDX	03/31/00	04/12/00	12	09	1	LT	400	
					2		4060	
					3	LT	385	
				Average Concentration for Cross Section 09 :				*1615*
RDX	03/31/00	04/12/00	12	11	1	LT	500	
					2		4720	
					3		326 J	
				Average Concentration for Cross Section 11 :				*1849*

Average Concentration for Windrow on Day 12 : ***1196***

Standard Deviation: ***1488***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M152 **TETRYL Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	03/31/00	04/12/00	12	03	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*469*
TETRYL	03/31/00	04/12/00	12	05	1	LT	417	
					2	LT	385	
					3	LT	357	
				Average Concentration for Cross Section 05 :				*386*
TETRYL	03/31/00	04/12/00	12	07	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
TETRYL	03/31/00	04/12/00	12	09	1	LT	400	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 09 :				*407*
TETRYL	03/31/00	04/12/00	12	11	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*485*

Average Concentration for Windrow on Day 12 : ***439***

Standard Deviation: ***45***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-153 Day 0: 04/4/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5740	12.1	2470	5.275	11605	20.475	19815
2	3.1	5770	12.1	2490	5.275	11605	20.475	19865
3	3.15	5820	12.1	2410	5.275	11605	20.525	19835
4	3.1	5760	12.15	2560	5.275	11605	20.525	19925
5	3.1	5720	12	2400	5.275	11605	20.375	19725
6	3.1	5776	12.15	2540	5.275	11605	20.525	19921
7	3.1	5730	12.1	2450	5.275	11605	20.475	19785
8	3	5700	12.1	2490	5.275	11605	20.375	19795
9	3.1	5740	12.15	2510	5.275	11605	20.525	19855
10	3.1	5790	12.1	2450	5.275	11605	20.475	19845
11	3.15	5840	12.1	2420	5.275	11605	20.525	19865
12	3.1	5770	12.15	2540	5.275	11605	20.525	19915
13	3.1	5720	12.1	2460	5.275	11605	20.475	19785
14	3.1	5780	12.15	2510	5.275	11605	20.525	19895
15	3.1	5740	12	2400	5.275	11605	20.375	19745
16	3	5710	12.1	2430	5.275	11605	20.375	19745
17	3.1	5730	12.1	2490	5.275	11605	20.475	19825
18	3.15	5840	12.15	2550	5.275	11605	20.575	19995
19	3	5700	12.15	2590	5.275	11605	20.425	19895
20	3	5710	12.15	2540	5.275	11605	20.425	19855
21	3.1	5770	12.1	2460	5.275	11605	20.475	19835
22	3	5700	12.15	2590	5.275	11605	20.425	19895
23	3	5740	12	2390	5.275	11605	20.275	19735
24	3.2	5810	12	2430	5.275	11605	20.475	19845
25	3.75	6250	12.1	2500	5.275	11605	21.125	20355
26	3.7	6150	12.75	2820	5.275	11605	21.725	20575
27	3	5680	12.1	2480	5.275	11605	20.375	19765
28	3.3	5900	12.2	2670	5.275	11605	20.775	20175
29	3.65	6140	12.1	2580	5.275	11605	21.025	20325
30	3.75	6220	12.2	2620	5.275	11605	21.225	20445
31	3.4	5970	12.1	2560	5.275	11605	20.775	20135
32	3.4	6010	12.2	2670	5.275	11605	20.875	20285
33	3.1	5790	12.1	2520	5.275	11605	20.475	19915
34	3.1	5810	12	2460	5.275	11605	20.375	19875
35	3.1	5750	12.1	2530	5.275	11605	20.475	19885
36	3	5740	12	2480	5.275	11605	20.275	19825
37	3.4	6000	12	2370	5.275	11605	20.675	19975
38	3.25	5870	12	2470	5.275	11605	20.525	19945
39	3.2	5820	12.15	2560	5.275	11605	20.625	19985
40	3.4	6010	12.25	2720	5.275	11605	20.925	20335
Total	127.55	233216	484.8	100580	211.00	464200	823.35	797996

RECORD OF RECIPE (MIX NO. 7B)

Building # M-153 Windrow # S153 PERFORMED BY: [illegible]

DATE: 4/3/00 ~~3/14/00~~ INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 72 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2470				
2	3.10	5770	12.10	2490				
3	3.15	5820	12.10	2410				
4	3.10	5760	12.15	2560				
5	3.10	5720	12	2400				
6	3.10	5776	12.15	2540				
7	3.10	5730	12.10	2450				
8	3	5700	12.10	2490				
9	3.10	5740	12.15	2510				
10	3.10	5790	12.10	2450				
11	3.15	5840	12.10	2420				
12	3.10	5770	12.15	2540				
13	3.10	5720	12.10	2460				
14	3.10	5780	12.15	2510				
15	3.10	5740	12	2400				
16	3	5710	12.10	2430				
17	3.10	5730	12.10	2490				
18	3.15	5840	12.15	2550				
19	3	5700	12.15	2590				

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 111 Windrow # _____ PERFORMED BY: Howard

DATE: 4/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3	5710	12.15	2570				
21	3.10	5770	12.10	2460				
22	3	5700	12.15	2590				
~~23~~								
~~24~~								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M113 PERFORMED BY: _____

DATE: 4/3/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5200 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

2601 m

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: Doubleville Farms		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5740	12	2390				
2	3.20	5810	12	2430				
3	3.75	6250	12.10	2500				
4	3.70	6150	12.75	2820				
5	3	5680	12.10	2480				
6	3.30	5900	12.20	2470				
7	3.65	6140	12.10	2580				
8	3.75	6220	12.20	2620				
9	3.40	5970	12.10	2560				
10	3.40	6010	12.20	2670				
11	3.10	5790	12.10	2520				
12	3.10	5810	12.00	2460				
13	3.10	5750	12.10	2570				
14	3	5740	12	2480				
15	3.40	6000	12	2370				
16	3.25	5870	12	2470				
17	3.20	5820	12.05	2560				
18	3.40	6010	12.25	2720				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
153	4/4/00	4/4/00	0		28.30
		4/5/00	1	48.37	45.77
		4/6/00	2	57.00	51.83
		4/7/00	3	58.80	59.23
		4/8/00	4	55.63	51.63
		4/9/00	5	53.37	51.03
		4/10/00	6	56.63	59.37
		4/11/00	7	64.93	62.17
		4/12/00	8	63.03	61.03
		4/13/00	9	62.23	61.43
		4/14/00	10	62.30	59.00
		4/15/00	11	65.17	62.30
		4/16/00	12	64.10	61.77
		4/17/00	13	64.57	61.63
		4/18/00	14	64.47	59.87

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M153	4/4/00	4/4/00	0		14.40
		4/5/00	1	13.40	18.10
		4/6/00	2	18.13	10.97
		4/7/00	3	13.07	
		4/17/00	13	16.17	13.33
		4/18/00	14	9.83	11.27

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M153	4/4/00	4/4/00	0		59.74
		4/5/00	1		57.60
		4/10/00	6		50.48
		4/13/00	9		52.28
		4/14/00	10		38.36
		4/17/00	13		46.52

All average MWHC values are expressed in percent

Windrow Number: M153 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	04/04/00	04/19/00	15	03	1	LT	435	
					2	LT	385	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*432*
135TNB	04/04/00	04/19/00	15	05	1	LT	476	
					2	LT	435	
					3	LT	400	
				Average Concentration for Cross Section 05 :				*437*
135TNB	04/04/00	04/19/00	15	07	1	LT	476	
					2	LT	454	
					3	LT	385	
				Average Concentration for Cross Section 07 :				*438*
135TNB	04/04/00	04/19/00	15	09	1	LT	454	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*463*
135TNB	04/04/00	04/19/00	15	11	1	LT	400	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*437*

Average Concentration for Windrow on Day 15 : ***441***

Standard Deviation: ***36***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M153 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	04/04/00	04/19/00	15	03	1	LT	435	
					2	LT	385	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*432*
13DNB	04/04/00	04/19/00	15	05	1	LT	476	
					2	LT	435	
					3	LT	400	
				Average Concentration for Cross Section 05 :				*437*
13DNB	04/04/00	04/19/00	15	07	1	LT	476	
					2	LT	454	
					3	LT	385	
				Average Concentration for Cross Section 07 :				*438*
13DNB	04/04/00	04/19/00	15	09	1	LT	454	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*463*
13DNB	04/04/00	04/19/00	15	11	1	LT	400	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*437*

Average Concentration for Windrow on Day 15 : 441

Standard Deviation: 36

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M153 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	04/04/00	04/19/00	15	03	1	LT	435	
					2	LT	385	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*432*
246TNT	04/04/00	04/19/00	15	05	1	LT	476	
					2	LT	435	
					3	LT	400	
					Average Concentration for Cross Section 05 :			*437*
246TNT	04/04/00	04/19/00	15	07	1	LT	476	
					2	LT	454	
					3	LT	385	
					Average Concentration for Cross Section 07 :			*438*
246TNT	04/04/00	04/19/00	15	09	1	LT	454	
					2	LT	500	
					3	LT	435	
					Average Concentration for Cross Section 09 :			*463*
246TNT	04/04/00	04/19/00	15	11	1	LT	400	
					2	LT	476	
					3	LT	435	
					Average Concentration for Cross Section 11 :			*437*

Average Concentration for Windrow on Day 15 : ***441***

Standard Deviation: ***36***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M153 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	04/04/00	04/19/00	15	03	1	LT	435	
					2	LT	385	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*432*
24DNT	04/04/00	04/19/00	15	05	1	LT	476	
					2	LT	435	
					3	LT	400	
				Average Concentration for Cross Section 05 :				*437*
24DNT	04/04/00	04/19/00	15	07	1	LT	476	
					2	LT	454	
					3	LT	385	
				Average Concentration for Cross Section 07 :				*438*
24DNT	04/04/00	04/19/00	15	09	1	LT	454	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*463*
24DNT	04/04/00	04/19/00	15	11	1	LT	400	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*437*

Average Concentration for Windrow on Day 15 : ***441***

Standard Deviation: ***36***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M153 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	04/04/00	04/19/00	15	03	1	LT	435	
					2	LT	385	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*432*
26DNT	04/04/00	04/19/00	15	05	1	LT	476	
					2	LT	435	
					3	LT	400	
				Average Concentration for Cross Section 05 :				*437*
26DNT	04/04/00	04/19/00	15	07	1	LT	476	
					2	LT	454	
					3	LT	385	
				Average Concentration for Cross Section 07 :				*438*
26DNT	04/04/00	04/19/00	15	09	1	LT	454	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*463*
26DNT	04/04/00	04/19/00	15	11	1	LT	400	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*437*

Average Concentration for Windrow on Day 15 : ***441***

Standard Deviation: ***36***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M153 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	04/04/00	04/19/00	15	03	1	LT	435
					2	LT	385
					3	LT	476
				Average Concentration for Cross Section 03 :			*432*
2A46DT	04/04/00	04/19/00	15	05	1	LT	476
					2	LT	435
					3	LT	400
				Average Concentration for Cross Section 05 :			*437*
2A46DT	04/04/00	04/19/00	15	07	1	LT	476
					2	LT	454
					3	LT	385
				Average Concentration for Cross Section 07 :			*438*
2A46DT	04/04/00	04/19/00	15	09	1	LT	454
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 09 :			*463*
2A46DT	04/04/00	04/19/00	15	11	1	LT	400
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 11 :			*437*

Average Concentration for Windrow on Day 15 : ***441***

Standard Deviation: ***36***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M153 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	04/04/00	04/19/00	15	03	1	LT	435
					2	LT	385
					3	LT	476
				Average Concentration for Cross Section 03 :			*432*
2NT	04/04/00	04/19/00	15	05	1	LT	476
					2	LT	435
					3	LT	400
				Average Concentration for Cross Section 05 :			*437*
2NT	04/04/00	04/19/00	15	07	1	LT	476
					2	LT	454
					3	LT	385
				Average Concentration for Cross Section 07 :			*438*
2NT	04/04/00	04/19/00	15	09	1	LT	454
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 09 :			*463*
2NT	04/04/00	04/19/00	15	11	1	LT	400
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 11 :			*437*

Average Concentration for Windrow on Day 15 : ***441***

Standard Deviation: ***36***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M153 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	04/04/00	04/19/00	15	03	1	LT	435
					2	LT	385
					3	LT	476
				Average Concentration for Cross Section 03 :			*432*
3NT	04/04/00	04/19/00	15	05	1	LT	476
					2	LT	435
					3	LT	400
				Average Concentration for Cross Section 05 :			*437*
3NT	04/04/00	04/19/00	15	07	1	LT	476
					2	LT	454
					3	LT	385
				Average Concentration for Cross Section 07 :			*438*
3NT	04/04/00	04/19/00	15	09	1	LT	454
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 09 :			*463*
3NT	04/04/00	04/19/00	15	11	1	LT	400
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 11 :			*437*

Average Concentration for Windrow on Day 15 : ***441***

Standard Deviation: ***36***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M153 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	04/04/00	04/19/00	15	03	1	LT 435	
					2	LT 385	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*432*
4A26DT	04/04/00	04/19/00	15	05	1	LT 476	
					2	LT 435	
					3	LT 400	
				Average Concentration for Cross Section 05 :			*437*
4A26DT	04/04/00	04/19/00	15	07	1	LT 476	
					2	LT 454	
					3	LT 385	
				Average Concentration for Cross Section 07 :			*438*
4A26DT	04/04/00	04/19/00	15	09	1	LT 454	
					2	LT 500	
					3	LT 435	
				Average Concentration for Cross Section 09 :			*463*
4A26DT	04/04/00	04/19/00	15	11	1	LT 400	
					2	LT 476	
					3	LT 435	
				Average Concentration for Cross Section 11 :			*437*

Average Concentration for Windrow on Day 15 : ***441***

Standard Deviation: ***36***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M153 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	04/04/00	04/19/00	15	03	1	LT	435
					2	LT	385
					3	LT	476
				Average Concentration for Cross Section 03 :			*432*
4NT	04/04/00	04/19/00	15	05	1	LT	476
					2	LT	435
					3	LT	400
				Average Concentration for Cross Section 05 :			*437*
4NT	04/04/00	04/19/00	15	07	1	LT	476
					2	LT	454
					3	LT	385
				Average Concentration for Cross Section 07 :			*438*
4NT	04/04/00	04/19/00	15	09	1	LT	454
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 09 :			*463*
4NT	04/04/00	04/19/00	15	11	1	LT	400
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 11 :			*437*

Average Concentration for Windrow on Day 15 : 441

Standard Deviation: 36

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M153 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
HMX	04/04/00	04/19/00	15	03	1		553	
					2	LT	385	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*471*
HMX	04/04/00	04/19/00	15	05	1	LT	476	
					2		2690	
					3	LT	400	
				Average Concentration for Cross Section 05 :				*1189*
HMX	04/04/00	04/19/00	15	07	1	LT	476	
					2	LT	454	
					3		3270	
				Average Concentration for Cross Section 07 :				*1400*
HMX	04/04/00	04/19/00	15	09	1	LT	454	
					2		380 J	
					3		2740	
				Average Concentration for Cross Section 09 :				*1191*
HMX	04/04/00	04/19/00	15	11	1		182 J	
					2		1130	
					3		1910	
				Average Concentration for Cross Section 11 :				*1074*

Average Concentration for Windrow on Day 15 : ***1065***

Standard Deviation: ***1043***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M153 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	04/04/00	04/19/00	15	03	1	LT	435
					2	LT	385
					3	LT	476
				Average Concentration for Cross Section 03 :			*432*
NB	04/04/00	04/19/00	15	05	1	LT	476
					2	LT	435
					3	LT	400
				Average Concentration for Cross Section 05 :			*437*
NB	04/04/00	04/19/00	15	07	1	LT	476
					2	LT	454
					3	LT	385
				Average Concentration for Cross Section 07 :			*438*
NB	04/04/00	04/19/00	15	09	1	LT	454
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 09 :			*463*
NB	04/04/00	04/19/00	15	11	1	LT	400
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 11 :			*437*

Average Concentration for Windrow on Day 15 : ***441***

Standard Deviation: ***36***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M153 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
RDX	04/04/00	04/19/00	15	03	1		1670	
					2	LT	385	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*844*
RDX	04/04/00	04/19/00	15	05	1	LT	476	
					2		3120	
					3	LT	400	
				Average Concentration for Cross Section 05 :				*1332*
RDX	04/04/00	04/19/00	15	07	1	LT	476	
					2		420 J	
					3		2650	
				Average Concentration for Cross Section 07 :				*1182*
RDX	04/04/00	04/19/00	15	09	1	LT	454	
					2		654	
					3		1210	
				Average Concentration for Cross Section 09 :				*773*
RDX	04/04/00	04/19/00	15	11	1	LT	400	
					2		1510	
					3		1750	
				Average Concentration for Cross Section 11 :				*1220*

Average Concentration for Windrow on Day 15 : ***1070***

Standard Deviation: ***892***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M153 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	04/04/00	04/19/00	15	03	1	LT	435	
					2	LT	385	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*432*
TETRYL	04/04/00	04/19/00	15	05	1	LT	476	
					2	LT	435	
					3	LT	400	
				Average Concentration for Cross Section 05 :				*437*
TETRYL	04/04/00	04/19/00	15	07	1	LT	476	
					2	LT	454	
					3	LT	385	
				Average Concentration for Cross Section 07 :				*438*
TETRYL	04/04/00	04/19/00	15	09	1	LT	454	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*463*
TETRYL	04/04/00	04/19/00	15	11	1	LT	400	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*437*

Average Concentration for Windrow on Day 15 : ***441***

Standard Deviation: ***36***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-154 Day 0: 04/4/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5780	12.1	2450	5.275	11605	20.475	19835
2	3.1	5750	12.1	2490	5.275	11605	20.475	19845
3	3.1	5790	12	2410	5.275	11605	20.375	19805
4	3.15	5840	12.1	2470	5.275	11605	20.525	19915
5	3	5700	12.15	2530	5.275	11605	20.425	19835
6	3.1	5770	12.1	2490	5.275	11605	20.475	19865
7	3.1	5710	12.1	2420	5.275	11605	20.475	19735
8	3.1	5760	12.15	2570	5.275	11605	20.525	19935
9	3.15	5820	12.1	2440	5.275	11605	20.525	19865
10	3	5700	12.1	2430	5.275	11605	20.375	19735
11	3.15	5840	12.1	2470	5.275	11605	20.525	19915
12	3.1	5720	12	2400	5.275	11605	20.375	19725
13	3	5700	12.1	2450	5.275	11605	20.375	19755
14	3.1	5720	12.15	2530	5.275	11605	20.525	19855
15	3.1	5740	12	2400	5.275	11605	20.375	19745
16	3.15	5810	12.15	2520	5.275	11605	20.575	19935
17	3.1	5760	12	2410	5.275	11605	20.375	19775
18	3	5720	12.1	2470	5.275	11605	20.375	19795
19	3.1	5750	12.15	2520	5.275	11605	20.525	19875
20	3.1	5740	12.15	2510	5.275	11605	20.525	19855
21	3.15	5820	12	2400	5.275	11605	20.425	19825
22	3	5710	12.15	2500	5.275	11605	20.425	19815
23	3.25	5970	12.3	2620	5.275	11605	20.825	20195
24	3.35	6070	12.5	2770	5.275	11605	21.125	20445
25	3	5700	12.4	2600	5.275	11605	20.675	19905
26	3	5700	12.15	2500	5.275	11605	20.425	19805
27	3.25	6000	12	2400	5.275	11605	20.525	20005
28	3.1	5790	12.1	2450	5.275	11605	20.475	19845
29	3	5680	12.15	2480	5.275	11605	20.425	19765
30	3.1	5820	12.4	2650	5.275	11605	20.775	20075
31	3.35	6040	12.35	2600	5.275	11605	20.975	20245
32	3.3	5960	12.3	2570	5.275	11605	20.875	20135
33	3.1	5870	12.4	2670	5.275	11605	20.775	20145
34	3	5700	12	2400	5.275	11605	20.275	19705
35	3.15	6000	12.1	2500	5.275	11605	20.525	20105
36	3.1	5900	12	2400	5.275	11605	20.375	19905
37	3.15	6000	12.15	2700	5.275	11605	20.575	20305
38	3	5700	12.15	2600	5.275	11605	20.425	19905
39	3.1	5710	12.1	2440	5.275	11605	20.475	19755
40					5.275	11605	5.275	11605
Total	121.25	226260	473.6	97630	211.00	464200	805.85	788090

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 154 PERFORMED BY: Howard

DATE: 4/14/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5780	12.10	2450				
2	3.10	5750	12.10	2490				
3	3.10	5790	12	2410				
4	3.15	5840	12.10	2470				
5	3	5700	12.15	2530				
6	3.10	5770	12.10	2490				
7	3.10	5710	12.10	2420				
8	3.10	5760	12.15	2570				
9	3.15	5820	12.10	2440				
10	3	5700	12.10	2430				
11	3.15	5840	12.10	2470				
12	3.10	5720	12	2400				
13	3	5700	12.10	2450				
14	3.10	5720	12.15	2530				
15	3.10	5740	12	2400				
16	3.15	5810	12.15	2520				
17	3.10	5760	12	2410				
18	3	5720	12.10	2470				
19	3.10	5750	12.15	2520				
Total								

Comments:

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 134 PERFORMED BY: Hound

DATE: 7/4/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5740	12.15	2510				
21	3.15	5820	12	2400				
22	3	5710	12.15	2500				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # S154 PERFORMED BY: _____

DATE: 4/13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	5970	12.30	2620				
2	3.25	6070	12.50	2270				
3	3	5700	12.40	2600				
4	3	5700	12.15	2500				
5	3.25	6000	12	2400				
6	3.10	5790	12.10	2450				
7	3	5680	12.15	2480				
8								
9								
10								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 8154 PERFORMED BY: Howard

DATE: 4/4/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
8	3.10	5820	12.40	2650				
9	3.35	6090	12.35	2600				
10	3.30	5960	12.30	2570				
11	3.10	5820	12.40	2670				
12	3	5700	12	2400				
13	3.15	6000	12.10	2500				
14	3.10	5900	12	2400				
15	3.15	6000	12.15	2700				
16	3	5700	12.15	2600				
17	3.10	5710	12.10	2440				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S154	4/4/00	4/4/00	0		20.20
		4/5/00	1	46.60	36.80
		4/6/00	2	54.10	44.47
		4/7/00	3	57.90	52.77
		4/8/00	4	50.97	51.23
		4/9/00	5	51.87	51.57
		4/10/00	6	54.63	59.07
		4/11/00	7	59.43	61.97
		4/12/00	8	59.60	59.73
		4/13/00	9	59.30	59.87
		4/14/00	10	62.97	61.47
		4/15/00	11	67.23	61.10
		4/16/00	12	65.17	61.33
		4/17/00	13	65.93	59.87
		4/18/00	14	66.77	61.40

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S154	4/4/00	4/4/00	0		17.83
		4/5/00	1	10.97	18.20
		4/6/00	2	18.57	12.37
		4/7/00	3	14.73	
		4/17/00	13	14.53	13.77
		4/18/00	14	9.00	9.87

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S154	4/4/00	4/4/00	0		52.06
		4/5/00	1		62.42
		4/10/00	6		60.24
		4/13/00	9		44.80
		4/14/00	10		40.56
		4/17/00	13		51.30

All average MWHC values are expressed in percent

Windrow Number: S154 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	04/04/00	04/19/00	15	03	1	LT	476
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 03 :			*432*
135TNB	04/04/00	04/19/00	15	05	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 05 :			*429*
135TNB	04/04/00	04/19/00	15	07	1	LT	435
					2	LT	417
					3	LT	417
				Average Concentration for Cross Section 07 :			*423*
135TNB	04/04/00	04/19/00	15	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
135TNB	04/04/00	04/19/00	15	11	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 15 : ***446***

Standard Deviation: ***32***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S154 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	04/04/00	04/19/00	15	03	1	LT	476	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 03 :				*432*
13DNB	04/04/00	04/19/00	15	05	1	LT	417	
					2	LT	454	
					3	LT	417	
				Average Concentration for Cross Section 05 :				*429*
13DNB	04/04/00	04/19/00	15	07	1	LT	435	
					2	LT	417	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*423*
13DNB	04/04/00	04/19/00	15	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
13DNB	04/04/00	04/19/00	15	11	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 15 : 446

Standard Deviation: 32

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S154 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	04/04/00	04/19/00	15	03	1	LT	476
					2		325 J
					3	LT	385
				Average Concentration for Cross Section 03 :			*395*
246TNT	04/04/00	04/19/00	15	05	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 05 :			*429*
246TNT	04/04/00	04/19/00	15	07	1	LT	435
					2	LT	417
					3	LT	417
				Average Concentration for Cross Section 07 :			*423*
246TNT	04/04/00	04/19/00	15	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
246TNT	04/04/00	04/19/00	15	11	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 15 : ***439***

Standard Deviation: ***45***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S154 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	04/04/00	04/19/00	15	03	1	LT	476
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 03 :			*432*
24DNT	04/04/00	04/19/00	15	05	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 05 :			*429*
24DNT	04/04/00	04/19/00	15	07	1	LT	435
					2	LT	417
					3	LT	417
				Average Concentration for Cross Section 07 :			*423*
24DNT	04/04/00	04/19/00	15	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
24DNT	04/04/00	04/19/00	15	11	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 15 : 446

Standard Deviation: 32

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S154 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	04/04/00	04/19/00	15	03	1	LT	476
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 03 :			*432*
26DNT	04/04/00	04/19/00	15	05	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 05 :			*429*
26DNT	04/04/00	04/19/00	15	07	1	LT	435
					2	LT	417
					3	LT	417
				Average Concentration for Cross Section 07 :			*423*
26DNT	04/04/00	04/19/00	15	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
26DNT	04/04/00	04/19/00	15	11	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 15 : 446

Standard Deviation: 32

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S154 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	04/04/00	04/19/00	15	03	1	LT	476	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 03 :				*432*
2A46DT	04/04/00	04/19/00	15	05	1	LT	417	
					2	LT	454	
					3		97.3 J	
				Average Concentration for Cross Section 05 :				*323*
2A46DT	04/04/00	04/19/00	15	07	1	LT	435	
					2	LT	417	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*423*
2A46DT	04/04/00	04/19/00	15	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
2A46DT	04/04/00	04/19/00	15	11	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 15 : 425

Standard Deviation: 96

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S154 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	04/04/00	04/19/00	15	03	1	LT	476
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 03 :			*432*
2NT	04/04/00	04/19/00	15	05	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 05 :			*429*
2NT	04/04/00	04/19/00	15	07	1	LT	435
					2	LT	417
					3	LT	417
				Average Concentration for Cross Section 07 :			*423*
2NT	04/04/00	04/19/00	15	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
2NT	04/04/00	04/19/00	15	11	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 15 : 446

Standard Deviation: 32

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S154 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	04/04/00	04/19/00	15	03	1	LT	476	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 03 :				*432*
3NT	04/04/00	04/19/00	15	05	1	LT	417	
					2	LT	454	
					3	LT	417	
				Average Concentration for Cross Section 05 :				*429*
3NT	04/04/00	04/19/00	15	07	1	LT	435	
					2	LT	417	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*423*
3NT	04/04/00	04/19/00	15	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
3NT	04/04/00	04/19/00	15	11	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 15 : 446

Standard Deviation: 32

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S154 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	04/04/00	04/19/00	15	03	1	LT	476
					2		214 J
					3	LT	385
				Average Concentration for Cross Section 03 :			*358*
4A26DT	04/04/00	04/19/00	15	05	1	LT	417
					2	LT	454
					3		191 J
				Average Concentration for Cross Section 05 :			*354*
4A26DT	04/04/00	04/19/00	15	07	1	LT	435
					2	LT	417
					3	LT	417
				Average Concentration for Cross Section 07 :			*423*
4A26DT	04/04/00	04/19/00	15	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
4A26DT	04/04/00	04/19/00	15	11	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 15 : 416

Standard Deviation: 92

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S154 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	04/04/00	04/19/00	15	03	1	LT	476
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 03 :			*432*
4NT	04/04/00	04/19/00	15	05	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 05 :			*429*
4NT	04/04/00	04/19/00	15	07	1	LT	435
					2	LT	417
					3	LT	417
				Average Concentration for Cross Section 07 :			*423*
4NT	04/04/00	04/19/00	15	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
4NT	04/04/00	04/19/00	15	11	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 15 : 446

Standard Deviation: 32

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S154 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	04/04/00	04/19/00	15	03	1	LT	476	
					2		2420	
					3		572	
				Average Concentration for Cross Section 03 :				*1156*
HMX	04/04/00	04/19/00	15	05	1	LT	417	
					2		884	
					3		530	
				Average Concentration for Cross Section 05 :				*610*
HMX	04/04/00	04/19/00	15	07	1	LT	435	
					2		1860	
					3		240 J	
				Average Concentration for Cross Section 07 :				*845*
HMX	04/04/00	04/19/00	15	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
HMX	04/04/00	04/19/00	15	11	1	LT	454	
					2		791	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*574*

Average Concentration for Windrow on Day 15 : ***734***

Standard Deviation: ***600***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S154 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	04/04/00	04/19/00	15	03	1	LT	476
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 03 :			*432*
NB	04/04/00	04/19/00	15	05	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 05 :			*429*
NB	04/04/00	04/19/00	15	07	1	LT	435
					2	LT	417
					3	LT	417
				Average Concentration for Cross Section 07 :			*423*
NB	04/04/00	04/19/00	15	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
NB	04/04/00	04/19/00	15	11	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 15 : ***446***

Standard Deviation: *32*

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S154 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	04/04/00	04/19/00	15	03	1	LT 476	
					2	1170	
					3	325 J	
				Average Concentration for Cross Section 03 :			*657*
RDX	04/04/00	04/19/00	15	05	1	LT 417	
					2	503	
					3	LT 417	
				Average Concentration for Cross Section 05 :			*446*
RDX	04/04/00	04/19/00	15	07	1	LT 435	
					2	654	
					3	212 J	
				Average Concentration for Cross Section 07 :			*434*
RDX	04/04/00	04/19/00	15	09	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
RDX	04/04/00	04/19/00	15	11	1	LT 454	
					2	1870	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*933*

Average Concentration for Windrow on Day 15 : 591

Standard Deviation: 411

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S154 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
TETRYL	04/04/00	04/19/00	15	03	1		2150	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 03 :				*990*
TETRYL	04/04/00	04/19/00	15	05	1	LT	417	
					2	LT	454	
					3	LT	417	
				Average Concentration for Cross Section 05 :				*429*
TETRYL	04/04/00	04/19/00	15	07	1	LT	435	
					2	LT	417	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*423*
TETRYL	04/04/00	04/19/00	15	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
TETRYL	04/04/00	04/19/00	15	11	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 15 : *558*

Standard Deviation : *442*

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date