

08.01-06/01/98-00664

June -, 1998
~~May 7, 1997~~

U.S. Environmental Protection Agency
Region II Headquarters
290 Broadway
New York, New York 10007-1866

Attn: Mr. Tim Gordon

Re: RCRA/HSWA Permit No. PR2170027203
U.S. Naval Station Roosevelt Roads
Notification of Newly Identified SWMUs

Dear Mr. Gordon:

The environmental staff at Naval Station Roosevelt Roads has recently completed a review of various areas at the base as part of continuing compliance activities. During this review five new SWMUs were identified. Therefore, in accordance with Module III C.1. (a) of the permit, this letter serves as notification of the additional SWMUs.

Attached are separate descriptions for each new SWMU. In each case, information pursuant to the requirements of permit Module III C.2. has been provided to the extent it is available. Based on this, the attached material constitutes the "SWMU Assessment Report" as required in the permit. Please note that the SWMU numbering starts with SWMU 53 since the 1993 reinspection last identified SWMU was numbered 52.

Please do not hesitate to call me if you have any questions, desire clarification or would like to discuss any item in more detail.

Sincerely,

Christopher T. Penny
Navy Technical Representative
By Direction

cc: Ms. Madeline Rivera - NSRR PWD/EED
Mr. Thomas C. Fuller

ATTACHMENT 1
SWMU 53
MALARIA CONTROL STORAGE
BUILDING 64

SWMU 53 - MALARIA CONTROL BUILDING 64

a) Type of Unit

Building for pesticide storage and handling.

b) Location of Unit

Building 64 is located generally across the road from former Building 258 (SWMU 13) as shown on the attached figure. The building is some distance off the road in a secluded area surrounded by dense vegetation.

c) Dimensions, Capacities and Structural Description

Building 64 is a corrugated metal sided structure with a concrete floor. The door at the rear of the building is broken. The building is 20.17 feet long by 15.17 feet wide by 14.00 feet high. There are no known engineering drawings available. A picture of the building's exterior is attached for reference.

d) Function of Unit

The building was used for the storage of pesticides: Malathion, aldrin and DDT were known to have been stored in the building. Although no direct evidence exists, it is assumed that mixing and other preparation for pesticide use was also performed at the building.

e) Dates of Operation

Building 64 was built in 1942 and condemned in 1980. It is not known if stocks of pesticides were maintained in the building for the entire duration.

f) Description of Wastes

No wastes are known to have been disposed at the unit. Small pesticide spills are expected to have occurred given the buildings length of use and activities.

g) Known Releases

There are no known releases related to this unit.

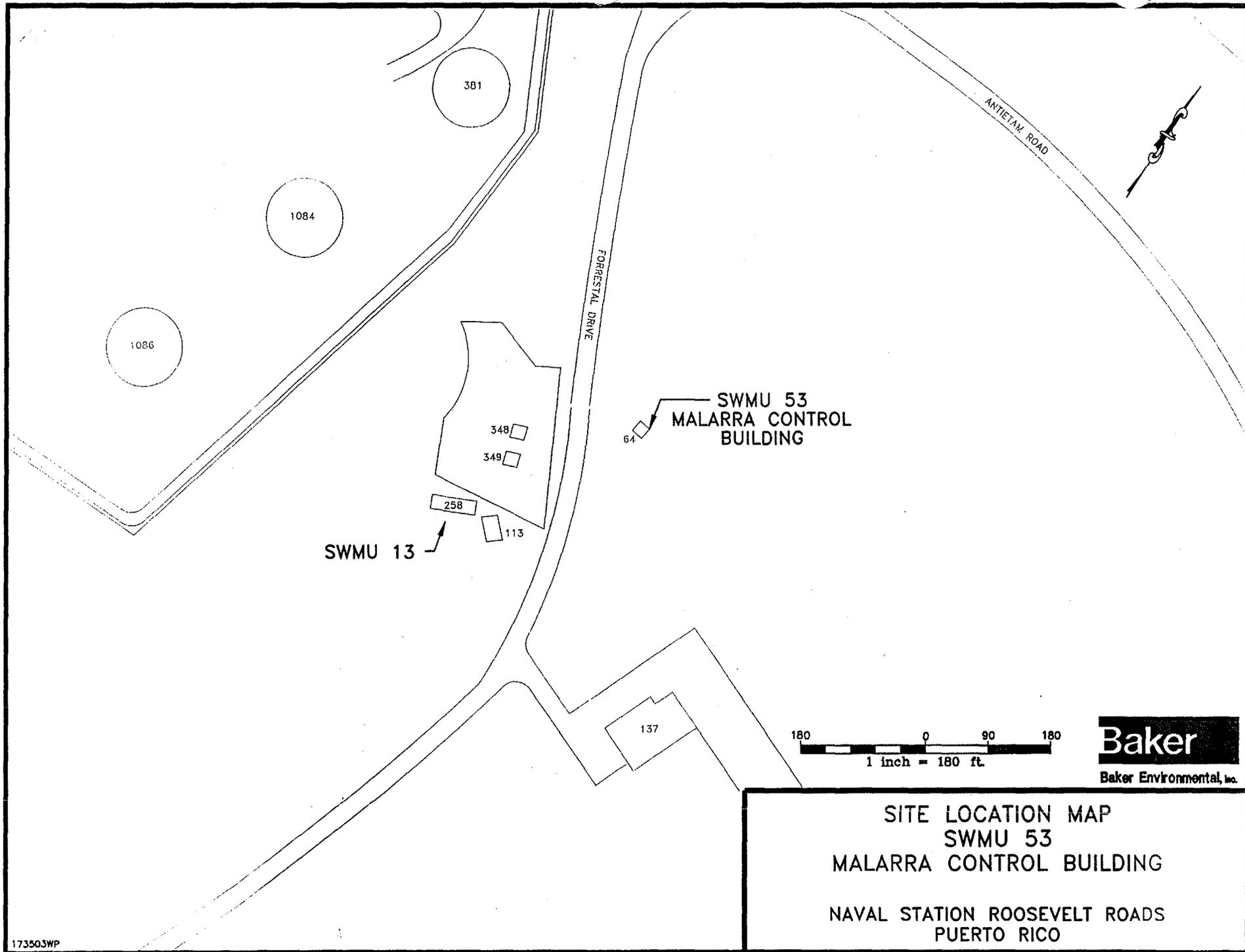
h) Sampling and Analysis Results

There have been no investigations conducted at the unit to ascertain whether releases have occurred.

i) Significant Source of Contaminant Release

It is not known at this time whether this unit is a significant source of contaminant release. Groundwater data from SWMU 13 (located approximately 300 feet southwest of Building 64) and the lack of stressed vegetation or other evidence in the area of the building would appear to indicate it is not a significant source.

Based on the types of materials stored in the building and its extended period of use, the Navy deems the SWMU to warrant a First Phase RFI. A SWMU sampling and analysis plan will be submitted within 30 days. It is expected that the plan will be prepared as an addendum to the existing RFI workplans and will rely on them to provide details regarding SOPs, QA/QC procedures, health and safety plans, etc. The addendum will only address the actual scope of Building 64 investigations.



SITE LOCATION MAP
SWMU 53
MALARRA CONTROL BUILDING
NAVAL STATION ROOSEVELT ROADS
PUERTO RICO

Baker
Baker Environmental, Inc.



MALARIA CONTROL BUILDING 64

ATTACHMENT 2
SWMU 54
NAVY EXCHANGE VEHICLE REPAIR
MAINTENANCE AREA

SWMU 54 - NAVY EXCHANGE VEHICLE REPAIR MAINTENANCE AREA

a) Type of Unit

SWMU 54 is comprised of an area which formerly was occupied by building 506, 507, 508, 509, 510 and 511. This SWMU is in the Bundy Area of Naval Station Roosevelt Roads.

b) Location of Unit

The general location of the SWMU is shown on the two attached figures. It should be noted that the map details do not agree since they were taken from two different sources. The area is scheduled to be mapped in the near future as a part of RFI activities. This mapping will provide accurate locations for use in any future work.

c) Dimensions, Capacities and Structural Description

The area comprising the SWMU is approximately 320 feet by 200 feet generally coinciding to the area bounded by former building 506, 507, 508, 509, 510 and 511. Buildings 506 and 507 were demolished in 1994, Buildings 508 and 510 in 1989 and Buildings 509 and 511 in 1991. A portion of the area is now occupied by Building B-1914 which is the NEX Repair/Maintenance Shop (built in 1979 in the general vicinity of former Building 511). Appendix A to this attachment contains available details for some of the buildings.

d) Function of Unit

The building originally housed a variety of activities associated with vehicle maintenance. Included were a grease rack, vehicle maintenance shop, battery shop and steel shop. Building 508 is known to have been divided in half with one half containing the battery shop while the other housed the carburetor shop. The area comprising this SWMU is now separated into two smaller areas by a cyclone fence. The area southeast of the fence (in the vicinity of former buildings 506 and 510) is now a staging and office area for one of the Base's construction contractors. On the other side of the fence is Building 1914 which operates as a vehicle maintenance facility.

Near Baird Road there is evidence of a former gas station (pump island). In 1992, an UST associated with the gas station was removed. Five borings were performed under the NSRR UST program to assess whether the tank had leaked.

e) Dates of Operation

No starting date for operation of the 500 series buildings is known. They were demolished in the years previously discussed. While demolition occurred between 1989 and 1994, it is likely they were taken out of service earlier since their functions were taken over by Building 1914 which was erected in 1979.

f) Description of Wastes

No wastes were ever known to be stored in the UST. At the buildings, the normal assortment of vehicle maintenance waste would be expected especially, waste oils, metal parts and cleaning fluids.

g) Known Releases

Groundwater in the area has been affected by released product associated with the nearby former gas station. Appendix B to this attachment contains analytical results for groundwater which indicate the constituents of concern are the BTEX compounds commonly associated with gasoline. It should be noted that the ~~site of~~ release ^{from th} ~~is being~~ addressed under the UST program administered by the Puerto Rico Environmental Quality Board.

Used motor oil is collected in the area from the numerous oil changes performed at the service center. Areas of soil staining (approximately 20 square feet) are present.

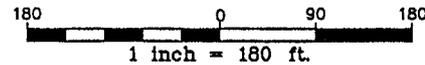
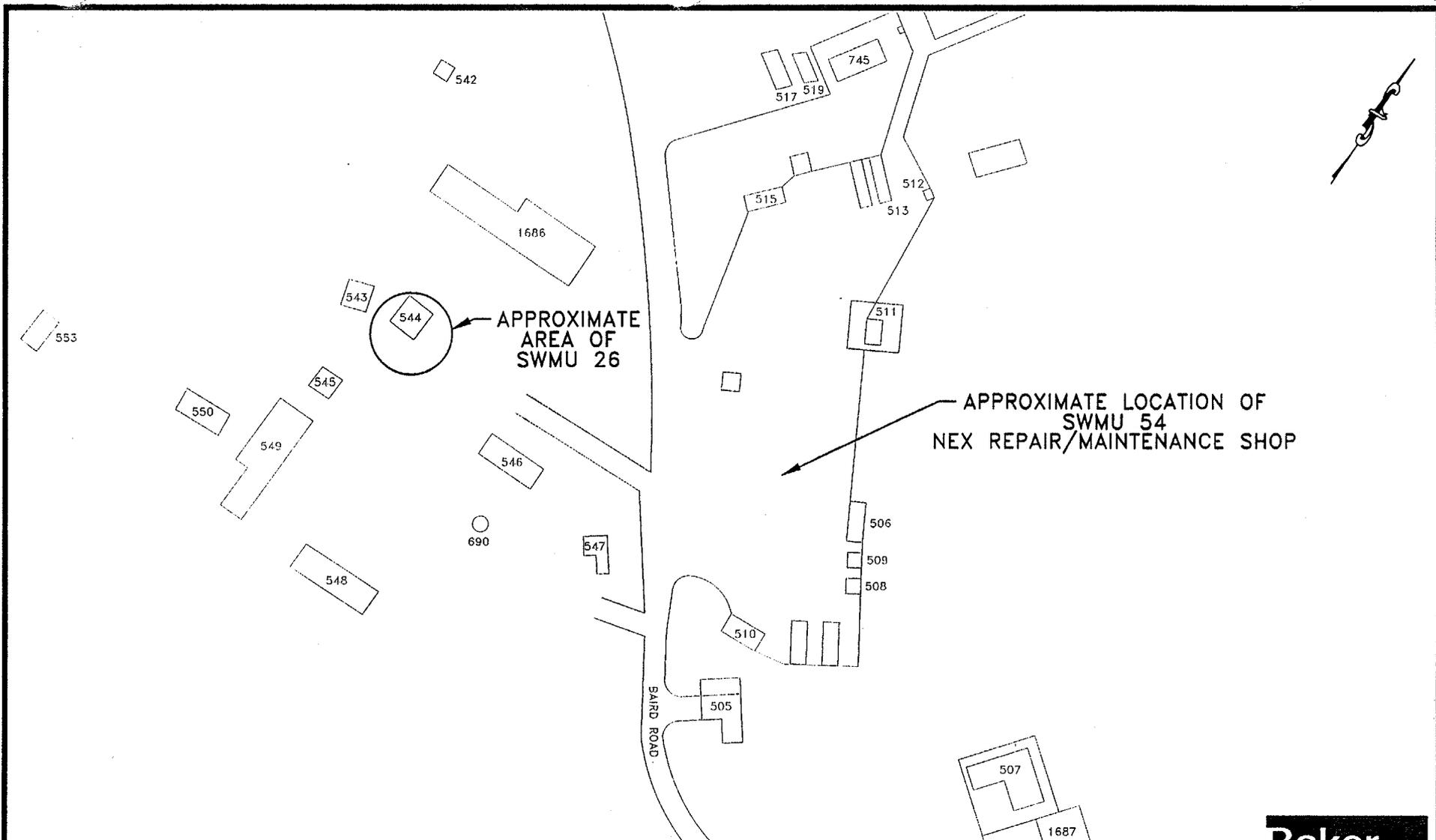
h) Sampling and Analysis Results

Sampling results for groundwater are provided in Appendix B to this attachment.

i) Significant Source of Contaminated Release

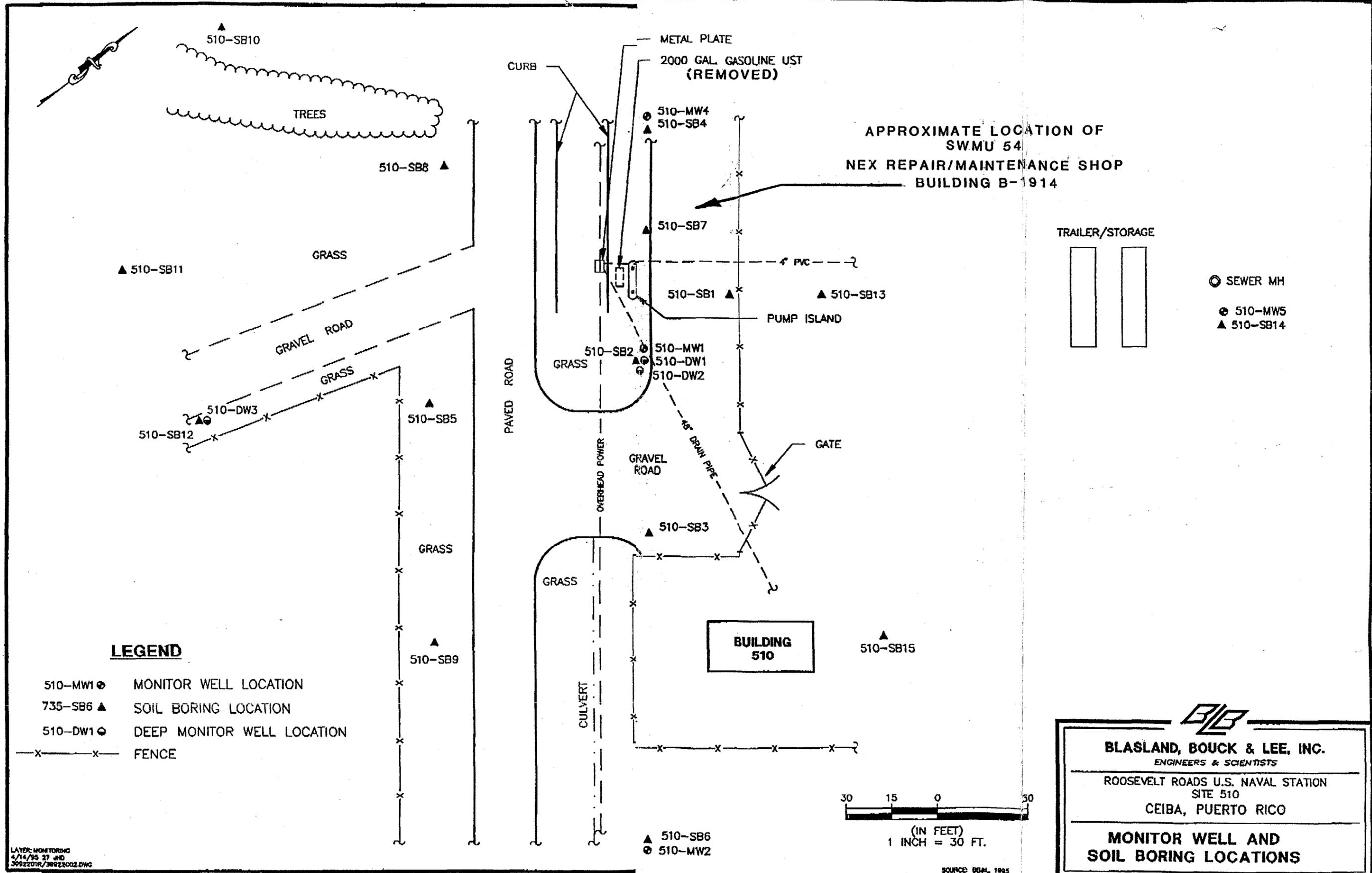
This unit is not thought to be a significant source of contamination. Only minor motor oil stains were noted. The groundwater is affected locally but not by this area.

Based on the foregoing information, this site does not appear to warrant investigation under the corrective action provisions of the RCRA permit. It should be noted that groundwater issues related to the former gas station ~~are~~ were being addressed under the applicable UST regulations.



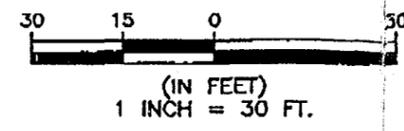
Baker
Baker Environmental, Inc.

SITE LOCATION MAP
SWMU-54
NEX REPAIR/MAINTENANCE SHOP
BUILDING B-1914
NAVAL STATION ROOSEVELT ROADS
PUERTO RICO



LEGEND

- 510-MW1 ⊕ MONITOR WELL LOCATION
- 735-SB6 ▲ SOIL BORING LOCATION
- 510-DW1 ⊕ DEEP MONITOR WELL LOCATION
- x-x- FENCE



- TRAILER/STORAGE
- ⊕ SEWER MH
- ⊕ 510-MW5
- ▲ 510-SB14

BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

ROOSEVELT ROADS U.S. NAVAL STATION
SITE 510
CEIBA, PUERTO RICO

**MONITOR WELL AND
SOIL BORING LOCATIONS**

LAYER: MONITORING
4/14/95 27 .HD
3992201R/38922002.DWG

SOURCE: BBL, 1995

00664.T017

APPENDIX A TO ATTACHMENT 2
SWMU 54
BUILDING DESCRIPTIONS

Build = 1943

CB CAMP ROOS RDS
BUILDING CONDITION REPORT
BLDG # 91

Steel Shop

833ft²

	Excellent Condition	Satisfactory Condition	Poor Condition	Recently repaired or Painted	Minor repairs or Painting Necessary	Major repairs or Painting Necessary
1. EXT Walls: <input checked="" type="checkbox"/> Plastered <input type="checkbox"/> Unplastered		X			X	
2. Roof: <input type="checkbox"/> Metal <input type="checkbox"/> Builtup <input checked="" type="checkbox"/> Asbestos <input checked="" type="checkbox"/> Other		X				
3. INT Walls: <input checked="" type="checkbox"/> Plastered <input type="checkbox"/> Unplastered		X				
4. Ceiling: <input checked="" type="checkbox"/> Open <input type="checkbox"/> Closed	X					
5. Doors: <input checked="" type="checkbox"/> Wood <input type="checkbox"/> Metal <input type="checkbox"/> Screen	X			X		
6. Windows: <input checked="" type="checkbox"/> MTL JAL <input type="checkbox"/> Glass JAL <input type="checkbox"/> Wood JAL	X					
7. Floors: <input checked="" type="checkbox"/> CONC <input type="checkbox"/> Tile		X				
8. Screens:		X				
9. PLUMB:		X				
10. ELECT:		X				

11. Facilities Available:

Type	Number	Type	Number
<input type="checkbox"/> Phone:	_____	<input checked="" type="checkbox"/> Desks: Metal	1
<input type="checkbox"/> Water Cooler:	_____	<input type="checkbox"/> Chairs:	_____
<input type="checkbox"/> Power Outlets:	_____	<input checked="" type="checkbox"/> Lockers: Wood Storage Cabinet	1
<input type="checkbox"/> Heats:	_____	<input checked="" type="checkbox"/> Other: See Comments	_____

12. Other Comments:

1. One 8'x 4' steel plate covered work bench, one 30"x 48" steel plate covered utility bench, one 36"x 36" brazing bench and one bulletin board exist.

2. Building contains one lavatory.

Build = 1973

CB CAMP ROOS RDS
 BUILDING CONDITION REPORT
 BLDG # 510
 Automotive Shop

3400 ft²

	Excellent Condition	Satisfactory Condition	Poor Condition	recently repaired or painted	Minor repairs or Painting Necessary	Major repairs or Painting Necessary	replace
1. EXT Walls: <input checked="" type="checkbox"/> Plastered <input type="checkbox"/> Unplastered		X		X	X		
2. Roof: <input checked="" type="checkbox"/> Metal <input type="checkbox"/> Builtup <input type="checkbox"/> Other		X			X		
3. INT Walls: <input checked="" type="checkbox"/> Plastered <input type="checkbox"/> Unplastered		X					
4. Ceiling: <input checked="" type="checkbox"/> Open <input checked="" type="checkbox"/> Closed In Office		X					
5. Doors: <input checked="" type="checkbox"/> Wood <input type="checkbox"/> Metal <input type="checkbox"/> Screen		X		X	X		
6. Windows: <input checked="" type="checkbox"/> MTL JAL <input type="checkbox"/> Glass JAL <input type="checkbox"/> Wood JAL		X					
7. Floors: <input checked="" type="checkbox"/> CONC <input type="checkbox"/> Tile		X					
8. Screens:		X					
9. PLUMB:		X					
10. ELECT:		X					

11. Facilities Available:

Type	Number	Type	Number
<input checked="" type="checkbox"/> Phone: Ext. 4377 Ext. 4379	<u>3</u>	<input checked="" type="checkbox"/> Desks:	<u>1</u>
<input checked="" type="checkbox"/> Water Cooler	<u>1</u>	<input type="checkbox"/> Chairs:	<u> </u>
<input type="checkbox"/> Power Outlets:	<u> </u>	<input checked="" type="checkbox"/> Lockers: See Comments	<u> </u>
<input checked="" type="checkbox"/> Heads	<u>1</u>	<input checked="" type="checkbox"/> Other: See Comments	<u> </u>

12. Other Comments:

- Bldg. contains 3 offices & the Auto Shop. Auto Shop has an 18'x 25' wire enclosure recently constructed as a tool room.
- Bldg. also contains one 4'x 15' wood tire rack, one steel bar tire inflation protection screen, three metal stand-up lockers, one metal covered work bench, 30"x 24", and one metal covered work bench, 30"x 40".
- 1 funnel & hose ext. for draining oil & barrel dolly exist. Alum. screens for Bldgs. 508, 509, & 510 are stored in Auto Shop tool room.

METAL
PREPARED
ROOFING

ONLY

CB CAMP ROOS RDS
BUILDING CONDITION REPORT
BLDG # 508

35242

Battery & Carburetor Shop

	Excellent Condition	Satisfactory Condition	Poor Condition	Recently repaired or Painted	Minor repairs or Painting Necessary	Major repairs or Painting Necessary	Replace
1. EXT Walls: <input checked="" type="checkbox"/> Plastered <input type="checkbox"/> Unplastered		X			X		
2. Roof: <input type="checkbox"/> Metal <input type="checkbox"/> Builtup <input checked="" type="checkbox"/> Asbestos Other	X						
3. INT Walls: <input checked="" type="checkbox"/> Plastered <input type="checkbox"/> Unplastered	X			X			
4. Ceiling: <input checked="" type="checkbox"/> Open <input checked="" type="checkbox"/> Closed Battery Shop	X			X			
5. Doors: <input checked="" type="checkbox"/> Wood <input type="checkbox"/> Metal <input type="checkbox"/> Screen		X		X	X		
6. Windows: <input checked="" type="checkbox"/> MTL JAL <input type="checkbox"/> Glass JAL <input type="checkbox"/> Wood JAL	X						
7. Floors: <input checked="" type="checkbox"/> CONC <input type="checkbox"/> Tile		X					
8. Screens: In Carburetor Shop	X						
9. PLUMB: In Battery Shop		X					
10. ELECT:		X					

11. Facilities Available:

Type	Number	Type	Number
<input type="checkbox"/> Phone:	_____	<input type="checkbox"/> Desks:	_____
<input type="checkbox"/> Water Cooler	_____	<input type="checkbox"/> Chairs:	_____
<input type="checkbox"/> Power Outlets:	_____	<input checked="" type="checkbox"/> Lockers:	<u>1</u>
<input type="checkbox"/> Heads	_____	<input checked="" type="checkbox"/> Other: See Comments	_____

12. Other Comments:

1. Bldg. was recently partitioned in half. One side used as Battery Shop and the other as a Carburetor Shop.
2. Shower for eye washing, etc. and 3 storage benches exist in Battery Shop
3. "U" shaped wood work bench 30"x 25" and one metal standup locker exist in Carburetor

APPENDIX B TO ATTACHMENT 2
SWMU 54
GROUNDWATER ANALYTICAL RESULTS

SL SAVANNAH LABORATORIES
 & ENVIRONMENTAL SERVICES, INC.

414 SW 12th Avenue • Deerfield Beach, Florida 33442 • (305) 421-7400 • Fax (305) 421-2584

LOG NO: D5-80927

Received: 11 MAR 95

Mr. Jose Garrido
 Blasland Bouck & Lee, Inc.
 5950 Hazeltine National Dr., Suite 140
 Orlando, FL 32822

Project: #399.22 (US Navy)
 Sampled By: DP/JG

REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED	
80927-1	510 SB-13 (8-10)	03-08-95	
80927-2	510 SB-13 (4-6)	03-08-95	
PARAMETER		80927-1	80927-2
Purgeable Aromatics (602/8020)			
Benzene, ug/kg dw		62	<5.0
Ethylbenzene, ug/kg dw		110	<5.0
Toluene, ug/kg dw		84	26
Xylenes, ug/kg dw		190	<5.0
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw		<50	<50
Date Analyzed		03.15.95	03.20.95
Method Number		EPA 8020	EPA 8020
Dilution factor		1	1
Petroleum Hydrocarbons by GC (8015 - Purgeable)			
Petroleum Hydrocarbons by GC, ug/kg dw		<180	95000
Date Analyzed		03.15.95	03.15.95
Method Number		MOD 8015	MOD 8015
Petroleum Hydrocarbons by GC (8015 - Extractable)			
Petroleum Hydrocarbons by GC, ug/kg dw		<3300	<3300
Date Extracted		03.13.95	03.13.95
Date Analyzed		03.18.95	03.15.95
Method Number		MOD 8015	MOD 8015
Percent Solids, %		81	87

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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Received: 11 MAR 95

Mr. Jose Garrido
Blasland Bouck & Lee, Inc.
5950 Hazeltine National Dr., Suite 140
Orlando, FL 32822

Project: #399.22 (US Navy)
Sampled By: DP/JG

REPORT OF RESULTS

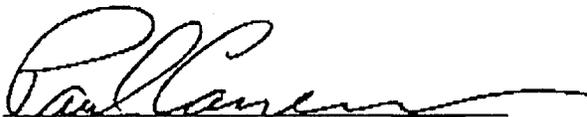
Page 2

LOG NO SAMPLE DESCRIPTION, QC REPORT FOR SOLID/SEMISOLID

80927-3 Lab Blank
80927-4 Accuracy - % Recovery (Mean)
80927-5 Precision - Relative % Difference
80927-6 Detection Limit

PARAMETER	80927-3	80927-4	80927-5	80927-6
Purgeable Aromatics (602/8020)				
Benzene, ug/kg dw	<5.0	76 %	7.9 %	5.0
Ethylbenzene, ug/kg dw	<5.0	---	---	5.0
Toluene, ug/kg dw	<5.0	96 %	3.1 %	5.0
Xylenes, ug/kg dw	<5.0	---	---	5.0
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw	<50	---	---	50
Date Analyzed	03.15.95	---	---	---
Method Number	EPA 8020	---	---	---
Petroleum Hydrocarbons by GC (8015 - Purgeable)				
Petroleum Hydrocarbons by GC, ug/kg dw	<180	109 %	1.8 %	180
Date Analyzed	03.15.95	---	---	---
Method Number	MOD 8015	---	---	---
Petroleum Hydrocarbons by GC (8015 - Extractable)				
Petroleum Hydrocarbons by GC, ug/kg dw	<3300	70 %	34 %	3300
Date Extracted	03.13.95	---	---	---
Date Analyzed	03.13.95	---	---	---
Method Number	MOD 8015	---	---	---

SL Environmental HRS Cert. #E86221 and SL Drinking Water HRS Cert. #86371.
Method Reference: EPA SW-846.


Paul Canevaro

Final Page Of Report

Laboratories in Savannah, GA • Tallahassee, FL • Tampa, FL • Deerfield Beach, FL • Mobile, AL • New Orleans, LA

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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LOG NO: D5-81018

Received: 18 MAR 95

Mr. Jose Garrido
Blasland Bouck & Lee, Inc.
5950 Hazeltine National Dr., Suite 140
Orlando, FL 32822

Project: #399.22 (US Navy)
Sampled By: DP/LG

REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
81018-1	510 SB-13	03-17-95
PARAMETER	81018-1	
Putgeables (624)		
Benzene, ug/l		450
Bromodichloromethane, ug/l		<25
Bromoform, ug/l		<25
Bromomethane, ug/l		<50
Carbon tetrachloride, ug/l		<25
Chlorobenzene, ug/l		<25
Chloroethane, ug/l		<50
2-Chloroethylvinyl ether, ug/l		<250
Chloroform, ug/l		<25
Chloromethane, ug/l		<50
Dibromochloromethane, ug/l		<25
1,2-Dichlorobenzene, ug/l		<25
1,3-Dichlorobenzene, ug/l		<25
1,4-Dichlorobenzene, ug/l		<25
1,1-Dichloroethane, ug/l		<25
1,2-Dichloroethane, ug/l		<25
1,1-Dichloroethene, ug/l		<25
Trans-1,2-Dichloroethene, ug/l		<25
1,2-Dichloropropane, ug/l		<25
cis-1,3-Dichloropropene, ug/l		<25
trans-1,3-Dichloropropene, ug/l		<25
Ethylbenzene, ug/l		210
Methylene chloride (Dichloromethane), ug/l		<25
1,1,2,2-Tetrachloroethane, ug/l		<25
Tetrachloroethene, ug/l		<25

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REPORT OF RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
81018-1	510 SB-13	03-17-95
PARAMETER	81018-1.	
Toluene, ug/l		<25
1,1,1-Trichloroethane, ug/l		<25
1,1,2-Trichloroethane, ug/l		<25
Trichloroethylene, ug/l		<25
Trichlorofluoromethane, ug/l		<25
Vinyl Chloride, ug/l		<50
Xylenes, ug/l		390
Date Analyzed		03.24.95
Method Number		EPA 624

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REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
81018-1	510 SB-13	03-17-95
PARAMETER	81018-1	
BN-A Extractables (625)		
Acenaphthene, ug/l		<10
Acenaphthylene, ug/l		<10
Anthracene, ug/l		<10
Aldrin, ug/l		<10
Benzo(a)anthracene, ug/l		<10
Benzo(b)fluoranthene, ug/l		<10
Benzo(k)fluoranthene, ug/l		<10
Benzo(a)pyrene, ug/l		<10
Benzo(g,h,i)perylene, ug/l		<10
Benzyl butyl phthalate, ug/l		<10
beta-BHC, ug/l		<10
delta-BHC, ug/l		<10
bis(2-Chloroethyl)ether, ug/l		<10
bis(2-Chloroethoxy)methane, ug/l		<10
bis(2-Ethylhexyl)phthalate, ug/l		<10
bis(2-Chloroisopropyl)ether, ug/l		<10
4-Bromophenyl phenyl ether, ug/l		<10
Chlordane, ug/l		<50
2-Chloronaphthalene, ug/l		<10
4-Chlorophenyl-phenyl ether, ug/l		<10
Chrysene, ug/l		<10
4,4'-DDD, ug/l		<10
4,4'-DDE, ug/l		<10
4,4'-DDT, ug/l		<10
Dibenz(a,b)anthracene, ug/l		<10

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Project: #399.22 (US Navy)
Sampled By: DP/LG

REPORT OF RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
81018-1	510 SB-13	03-17-95
PARAMETER	81018-1	
Di-n-butylphthalate, ug/l	<10	
1,3-Dichlorobenzene, ug/l	<10	
1,2-Dichlorobenzene, ug/l	<10	
1,4-Dichlorobenzene, ug/l	<10	
3,3'-Dichlorobenzidine, ug/l	<20	
Dieldrin, ug/l	<10	
Diethylphthalate, ug/l	<10	
Dimethylphthalate, ug/l	<10	
2,4-Dinitrotoluene, ug/l	<10	
2,6-Dinitrotoluene, ug/l	<10	
Di-n-octylphthalate, ug/l	<10	
Endosulfan sulfate, ug/l	<20	
Endrin Aldehyde, ug/l	<50	
Fluoranthene, ug/l	<10	
Fluorene, ug/l	<10	
Heptachlor, ug/l	<20	
Heptachlor epoxide, ug/l	<20	
Hexachlorobenzene, ug/l	<10	
Hexachlorobutadiene, ug/l	<10	
Hexachloroethane, ug/l	<10	
Indeno(1,2,3-cd)pyrene, ug/l	<10	
Isophorone, ug/l	<10	
Naphthalene, ug/l	<10	
Nitrobenzene, ug/l	<10	
N-Nitrosodi-N-Propylamine, ug/l	<10	
Aroclor-1016, ug/l	<500	

SL SAVANNAH LABORATORIES
 & ENVIRONMENTAL SERVICES, INC.

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REPORT OF RESULTS

Page 5

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
81018-1	510 SB-13	03-17-95
PARAMETER		81018-1
Aroclor-1221, ug/l		<500
Aroclor-1232, ug/l		<500
Aroclor-1242, ug/l		<500
Aroclor-1248, ug/l		<500
Aroclor-1254, ug/l		<500
Aroclor-1260, ug/l		<500
Phenanthrene, ug/l		<10
Pyrene, ug/l		<10
Toxaphene, ug/l		<2000
1,2,4-Trichlorobenzene, ug/l		<10
4-Chloro-3-methylphenol, ug/l		<10
2-Chlorophenol, ug/l		<10
2,4-Dichlorophenol, ug/l		<10
2,4-Dimethylphenol, ug/l		<10
2,4-Dinitrophenol, ug/l		<50
2-Methyl-4,6-dinitrophenol, ug/l		<50
2-Nitrophenol, ug/l		<10
4-Nitrophenol, ug/l		<50
Pentachlorophenol, ug/l		<50
Phenol, ug/l		26
2,4,6-Trichlorophenol, ug/l		<10
Benzidine, ug/l		<80
Hexachlorocyclopentadiene, ug/l		<10
N-Nitrosodimethylamine, ug/l		<10
N-Nitrosodiphenylamine/Diphenylamine, ug/l		<10
Date Extracted		03.23.95
Date Analyzed		03.28.95
Method Number		EPA 625

**ATTACHMENT 3
SWMU 55
SURFACE OPERATIONS
LESS THAN 90 DAY ACCUMULATION AREA**

SWMU 55 - SURFACE OPERATIONS LESS THAN 90 DAY ACCUMULATION AREA

a) Type of Unit

The SWMU, Building 2086, is a **commercially available** waste storage locker built to comply with RCRA regulations.

b) Location of Unit

The location of the storage locker is shown on **the attached figure**. It is located adjacent to the parking area for Building 2252 near Valley Forge Road.

c) Dimensions, Capacities and Structural Description

The locker is made of steel and measures **approximately 8 feet by 8 feet**. There is inherent spill containment based on its construction which provides for a **ramped access** to a closed interior.

d) Function of Unit

Surface operations currently generates **approximately 50 pounds** of waste paint and 200 gallons of waste oil per month. These wastes are held in the unit for **periodic** (less than 90 day storage) removal to the DRMO.

e) Dates of Operation

The locker was put into service in late 1992 and its use continues.

f) Description of Waste

Waste paint and oil are stored in the unit.

g) Known Releases

There are no known releases associated with **this unit**.

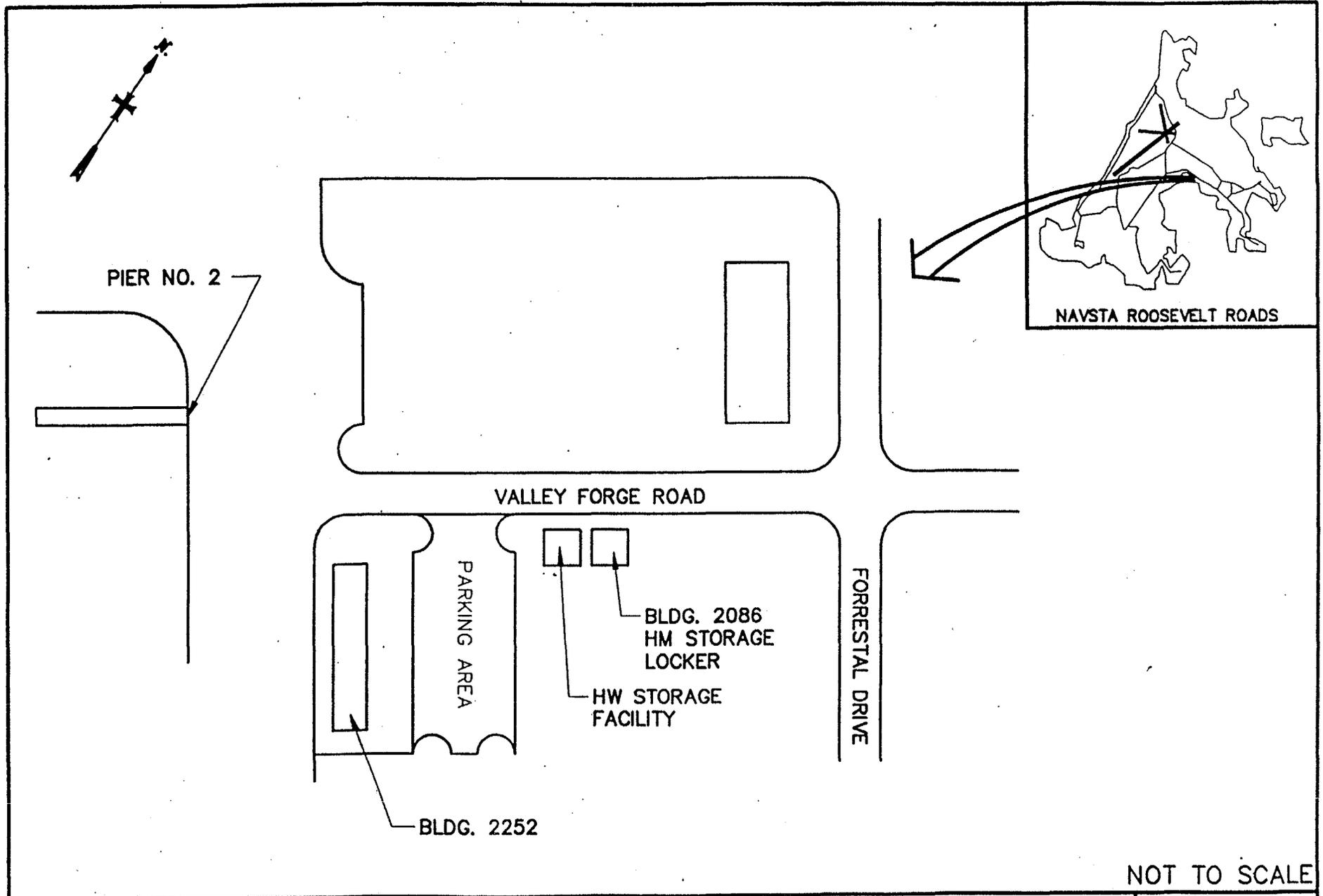
h) Sampling and Analysis Results

No sampling or analysis have been performed **related to this site**.

i) Significant Source of Contaminant Release

Based on the wastes managed and lack of historical or visual evidence of a release, the unit is not considered to be a significant source of contaminant release.

Based on the foregoing information, this site **does not** appear to warrant investigation under the corrective action provisions of the RCRA permit.



FIGURE

HAZARDOUS WASTE
MANAGEMENT PLAN
U.S. NAVAL STATION
ROOSEVELT ROADS

SURFACE OPERATIONS
LESS THAN 90 DAY ACCUMULATION AREA

MALCOLM PIRNIE, INC.

MARCH 1994

ATTACHMENT 4
SWMU 56
COAST GUARD

LESS THAN 90 DAY HAZARDOUS WASTE LOCKER

SWMU 56 - COAST GUARD LESS THAN 90 DAY HAZARDOUS WASTE LOCKER

a) Type of Unit

Under 90 day storage area for accumulated wastes at the Coast Guard Pier.

b) Location of Unit

The unit is situated on the Coast Guard Pier in the approximate location shown on the attached figure.

c) Dimensions, Capacities and Structural Description

The unit is a curbed, concrete pad which is covered by a roof and sided with chainlink fencing.

d) Function of Unit

Receives wastes for temporary storage (less than 90 days). Material is periodically removed to the DRMO.

e) Dates of Operation

The erection date of this unit is unknown. It continues in service.

f) Description of Waste

The unit contains waste batteries, paints and corrosives.

g) Known Releases

There have been no known releases from this unit.

h) Sampling and Analysis Results

No sampling or analysis has been performed related to this unit.

i) Significant Source of Contaminant Release

Based on the wastes managed and lack of historical or visual evidence of a release, the unit is not considered to be a significant source of contaminant release.

Based on the foregoing information, this site does not appear to warrant investigation under the corrective action provisions of the RCRA permit.

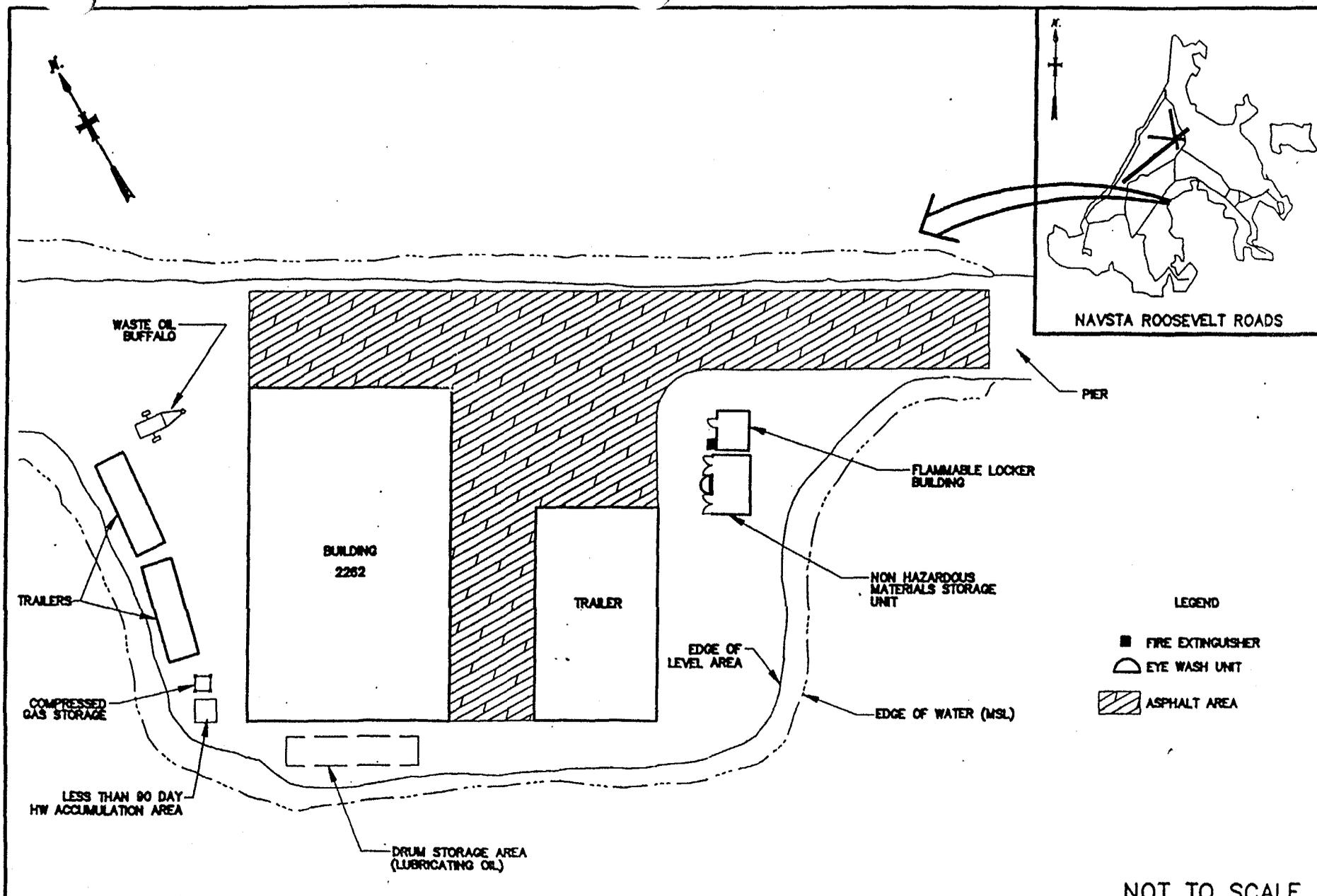


FIGURE	HAZARDOUS WASTE MANAGEMENT PLAN U.S. NAVAL STATION ROOSEVELT ROADS	U.S. COAST GUARD AMMO PIER FACILITY HAZARDOUS MATERIAL/HAZARDOUS WASTE STORAGE FACILITY	NOT TO SCALE
			MALCOLM PIRNIE, INC.
			MARCH 1993

**ATTACHMENT 5
SWMU 57
BASE OPERATING SUPPORT
CONTRACTOR HAZARDOUS WASTE STORAGE PAD
(UNDER 90 DAY STORAGE)**

**SWMU 57 - BASE OPERATING SUPPORT CONTRACTOR HAZARDOUS WASTE STORAGE PAD
(Under 90 Day Storage)**

a) **Type of Unit**

Under 90 day storage pad.

b) **Location of Unit**

The new storage pad is located between AOC C and SWMU 46 in the approximate location shown on the attached drawing.

c) **Dimensions, Capacities and Structural Description**

The unit is a 60 by 20 foot, curved, concrete pad with a wooden roof. Although the unit itself is not fenced, the area encompassing this pad and SWMU 46 is secured by fencing.

d) **Function of Unit**

Receives accumulated wastes from operational areas for storage. Materials are transferred to the DRMO within 90 days.

e) **Dates of Operation**

The pad was built in 1994 and continues in use.

f) **Description of Waste**

The area is used for the temporary storage of miscellaneous, compatible, RCRA hazardous wastes. In addition, some transformers, electrical switch gear and 55-gallon drums containing non-regulated waste have been stored on the pad in the past.

g) **Known Releases**

There are no known releases related to this unit.

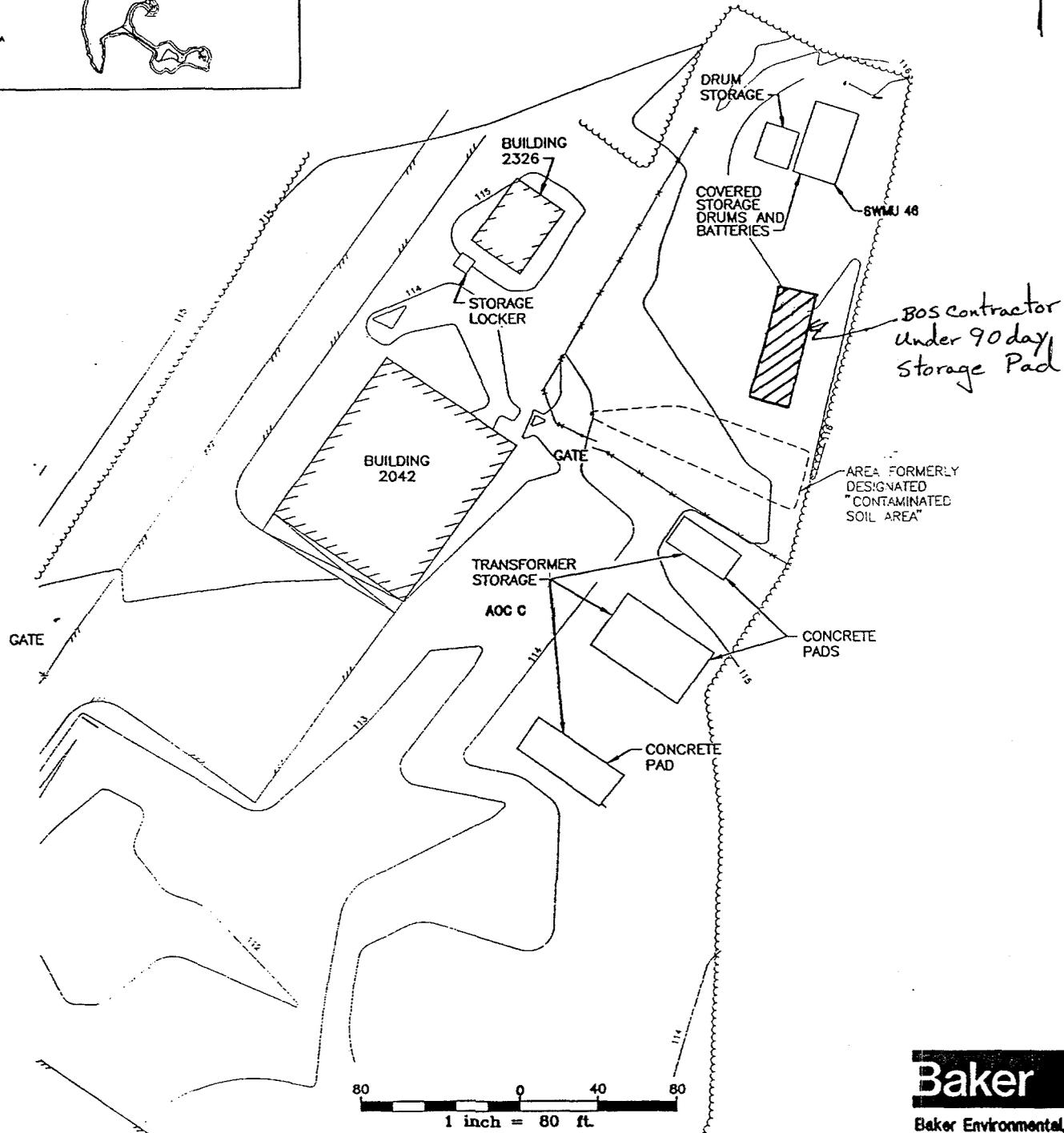
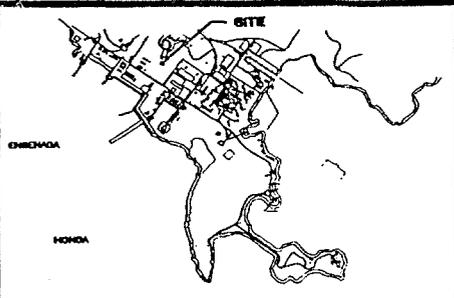
h) **Sampling and Analysis Results**

There has been no sampling or analysis performed to assess potential releases from this unit. Investigations have been performed in the general vicinity of the pad for AOC C and SWMU 46 (including the "contaminated soil pile"). The results of these investigations were previously provided.

i) **Significant Source of Contaminant Release**

Based on the wastes managed, duration of storage and lack of historical evidence of any release, the unit is not considered to be a significant source of contaminant release.

Based on the foregoing information, this site does not appear to warrant investigation under the corrective action provisions of the RCRA permit.



LEGEND

—115— SURFACE ELEVATION CONTOUR

FIGURE 3-12
EXISTING SITE CONDITIONS
 OU#1 - SWMU 46 POLE STORAGE YARD
 AOC C TRANSFORMER STORAGE PAD

NAVAL STATION ROOSEVELT ROADS
 PUERTO RICO

SOURCE: LANTDIV, FEB. 1992.