N50092.AR.000270
JEB FORT STORY, VA
5090.3a

LETTER TRANSMITTING WEEKLY STATUS REPORT SUBMITTED TO THE U.S. ARMY CORPS OF ENGINEERS FORT STORY VA
7/22/1993
INTERNATIONAL TECHNOLOGICAL CORPORATION

INTERNATIONAL TECHNOLOGY CORPORATION

July 22, 1993

Ms. Amy Webster
State Water Control Board
Tidewater Regional Office
287 Pembroke Office Park
Suite 310, Pembroke No. 2
Virginia Beach, VA 23462

Fort Story Larc Area Bioremediation Project
Contract No. DACW45-90-D-9002

Dear Ms. Webster:

Enclosed is a copy of the weekly status reports which are submitted to the U.S. Army Corps of Engineers for the Fort Story Bioremediation Project. These are being submitted as a courtesy to keep you informed of the activities at the site.

Should you require any additional information concerning this project, please do not hesitate to contact me at (412) 858-3987.

Sincerely,

Thomas P. Mathison
Project Manager

TPM:gjt

cc: Steve McCall, Fort Eustis D.E.H. (w/enclosures)
Wally Shaheen, USACE
Al Meyers, IT Corporation

RAPID RESPONSE WEEKLY REPORT

Project Name Ft Story F.T.P. #4 For Week Ending 04/18/93

Project Location Ft Story, Va. Beach, VA. Report No. 01

Name William T. Simpson Title Operations Supervisor

Company Name & Address I.T. Corp. Monroeville, PA. 15146

Telephone No. (412) 372-7701 Telefax No. (412) 373-7135

Reporting Period: 04/13/93 to 04/18/93

Percent Field Work Completed 85 % Percent Project Completed ____ %

Summary of Work Completed On-Site: Completed Mob. and site prep. Removed approx 6800 gal of liquid from the F.T.P. Removed and triple washed approx 45 ton of 2" stone from the F.T.P. Triple washed dusted and removed approx 250 tons of concrete from the F.T.P. The rubble, stone and concrete was loaded into 11 roll offs for disposal. Built 3 40'x40'x3 double 6 ply poly lined cells to hold the approx. 500 tons of soil excavated from around and under the F.T.P. Placed 292 tons of 3/4" stone in the F.T.P. excavation. Conducted 19 field screen tests of the soil, test results range between 10-1000 p.p.m. Removed the 4" m. well located on the east side of the F.T.P.

Summary of Work Completed Off-Site:

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story F.T.P #4 Ft Story VA.

For Week Ending 04/18/93

Explanation of Deviation from WorkPlan (Including Modifications and Schedule Slippages): The Fire Training Pit was thought to be 2'-3' Deep with 1' of sludge. After removing the liquid the Pit was found to be 4' Deep with 2' of 2" stone. The stone could not be placed at the L.A.R.C. for treatment like the sludge was to be. The stone was placed on the concrete apron around the fire pit and triple washed. The wash water and stone was removed by vac truck and rolloffs

Problems Encountered: While excavating the east side of the F.T.P electrical material was found buried along with two ammo boxes. The ammo boxes where filled with sand

Recommendations: Build temp. cells to hold the soil and test the soil for P.C.Bs If there is no P.C.B.s we can transport the soil to the L.A.R.C. area. If there is P.C.B.s the soil will be shipped off site for disposal.

Key Personnel Changes:

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story F.T.P. Ft Story VA.

For Week Ending 04/18/93

Work Anticipated to be Performed the Following Week: TAKE CONFIRMATION SAMPLES AND P.C.B SAMPLES. FINISH BACKFILLING F.T.P EXCAVATION WITH 3/4" STONE. PERFORM SITE TEAR DOWN AND DEMOB.

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity To Date	Quantity Anticipated

Other Remarks: USACE's Jeff Hubbard visited the site

Signature: William T Sampsi

RAPID RESPONSE WEEKLY REPORT

Project Name Ft Story F.T.P. #4 For Week Ending 04/25/93

Project Location Ft Story, VA Beach, VA Report No. 02

Name William T Simpson Title Operations Supervisor

Company Name & Address IT Corp. Monroeville, PA 15146

Telephone No. (412) 372 - 7701 Telefax No. (412) 373 - 7135

Reporting Period: 04 / 18 / 93 to 04 / 25 / 93

Percent Field Work Completed 95 % Percent Project Completed ____ %

Summary of Work Completed On-Site: Traveled to Ft Story from Ft Eustis. Moved approx. 240 tons of soil from the three holding cells at the F.T.P. to the L.A.R.C. area. The soil was placed on a 40'x100' area lined with 6 mil poly. The scrap steel was removed from the soil and placed in a temp cell lined with 6 mil poly. The cells where removed and the site restored

Summary of Work Completed Off-Site: USACE Rep. Ron Meier, I.T.'s Tom Mathison and Bill Simpson met with sub contractor. Solutions Inc. in Chesapeake, VA to set up a pre-construct meeting on 4-27-93, discuss the work plan and startup date. Solutions plans to start treatment 5-17-93

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story F.T.P. #4 Ft Story, VA

For Week Ending 4/25/93

Explanation of Deviation from WorkPlan (Including Modifications and Schedule Slippages): NONE

Problems Encountered: NONE

Recommendations: NONE

Key Personnel Changes: NONE

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story FTP #4 Ft Story VA

For Week Ending 4/25/93

Work Anticipated to be Performed the Following Week: None

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity To Date	Quantity Anticipated

Other Remarks: The PCB testing Results where Received on 4-21-93. The three samples levels where <0.5

Jeff Hubbard was on site 4-24-93

Signature: William T Simpson

RAPID RESPONSE WEEKLY REPORT

Project Name Ft Story L.A.R.C. AREA For Week Ending 05/2/93

Project Location Ft Story, VA Beach, VA Report No. 01

Name William T Simpson Title Operations Supervisor

Company Name & Address IT Corp Monroeville, PA 15146

Telephone No. (412) 372-7701 Telefax No. (412) 373-7135

Reporting Period: 04/25/93 to 5/2/92

Percent Field Work Completed 5 % Percent Project Completed ____ %

Summary of Work Completed On-Site: USACE's Construction Project Engineer Wally Shaheen held the Preconstruction meeting with Solutions Inc, IT Corp and the DEM from Ft Story and Ft Eustis. IT's Site Supervisor Bill Simpson held Site Specific Training for Solutions and their subcontractors. Solutions dug cross section holes with a backhoe to take samples and locate the depth of ground water. Solutions installed 5 wells. Depth of wells are between 15'-20' deep

Summary of Work Completed Off-Site:

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story L A R C AREA Ft. Story, VA

For Week Ending 05/2/93

Explanation of Deviation from WorkPlan (Including Modifications and Schedule Slippages): NONE

Problems Encountered: NONE

Recommendations: NONE

Key Personnel Changes: NONE

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story LARC Area Ft Story VA

For Week Ending __/__/__

Work Anticipated to be Performed the Following Week: Solutions will study the data collected and make final adjustments to their work plan

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity To Date	Quantity Anticipated

Other Remarks:

Signature: William T Simpson

U.S. ARMY RAPID RESPONSE CORPS OF ENGINEERS OMAHA DISTRICT

RAPID RESPONSE WEEKLY REPORT

Project Name Ft Story L.A.R.C. AREA For Week Ending 5/16/93

Project Location Ft Story, VA Beach, VA. Report No. 02

Name William T. Simpson Title Operations Supervisor

Company Name & Address I.T. Corp. Monroeville, PA 15146

Telephone No. (412) 372 - 7701 Telefax No. (412) 373 - 7135

Reporting Period: 05/09/93 to 05/16/93

Percent Field Work Completed 10 % Percent Project Completed ____ %

Summary of Work Completed On-Site: Solutions mobilized to the site. Excavated a area approx. 50'x120'x4' down to clean sand to place the 40'x100'x4' pool. Set up the pool. Set up the site trailer. Installed fence on the east and west side of the sandbox area. I.T. moved operations supervisor on Wed 5/12/93

Summary of Work Completed Off-Site:

RAPID RESPONSE WEEKLY REPORT

Project Name Ft Story/L.A.R.C AREA For Week Ending 5/30/93

Project Location Ft Story, VA. Beach, VA. Report No. 04

Name William T. Simpson Title OPERATIONS SUPERVISOR

Company Name & Address IT CORP. MONROEVILLE, PA 15146

Telephone No. (412) 372 - 7701 Telefax No. (412) 373 - 7135

Reporting Period: 05/23/93 to 05/30/93

Percent Field Work Completed 45 % Percent Project Completed ____ %

Summary of Work Completed On-Site: Ft Storys utilitys personal ran a new phone line to replace the line running through the eastern half of the sandbox area. Solutions hired 3 techs and 1 operator. IT's supervisor gave the 4 workers site specific training. Solutions began working 3-8hr shifts. Treated the eastern section of the sandbox area with approx 30,000 gal of 6-1 diluted ammiona hydroxide. Started the wet screening of the fire pit soil. Stockpiled sand from the eastern section, area removed - approx. 100'x150'x2'. Dug a diversion ditch along the concrete pad to control rain runoff. Maintaining the micro-

Summary of Work Completed Off-Site: organisims 24hrs.

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story L.A.R.C. AREA

For Week Ending 5/30/93

Explanation of Deviation from WorkPlan (Including Modifications and Schedule Slippages): NONE

Problems Encountered: NONE

Recommendations: NONE

Key Personnel Changes: NONE

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story L.A.R.C. AREA

For Week Ending 5/30/93

Work Anticipated to be Performed the Following Week: Solutions to BEGIN ACTUAL TREATMENT with the INOCULANT ON JUNE 1, 1993. Solutions 30 DAY TREATMENT SCHEDULE BEGINNING 6/1/93 WAS AGREEABLE with USACE's Rep. RON MEIER, IT's SUPERVISOR BILL SIMPSON AND SOLUTIONS ENVIRONMENTAL PRESIDENT DOROTHY S. SMALL. TREATMENT with the MICRO-ORGANISMS will be ONGOING for the NEXT 30 DAYS.

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity To Date	Quantity Anticipated

Other Remarks: OPERATIONS SUPERVISOR BILL SIMPSON DEMOBED 5/28/93. SIMPSON IS SCHEDULED to be BACK ON SITE the WEEK OF 6/14. Some of the post TREATMENT SAMPLING should BEGIN by then

Signature: William T. Simpson

U.S. ARMY RAPID RESPONSE
CORPS OF ENGINEERS OMAHA DISTRICT

RAPID RESPONSE WEEKLY REPORT

Project Name Fort Story For Week Ending 6/19/93

Project Location Lake Area VA. Report No. ____

Name Louie Bernardo Title Supervisor

Company Name & Address IT corp 2790 mosside Blvd. Monroeville

Telephone No. (800) 444 - 9596 Telefax No. ( ) ____ - ____

Reporting Period: 6 / 19 / 93 to ____ / ____ / ____

Percent Field Work Completed 75 % Percent Project Completed 70 %

Summary of Work Completed On-Site: Solutions continue treating the contaminated Soil by placing inoculants into 3 of the Pits and also inside the pool which consume the contaminants
a 2nd shift started on 6/15 24 hours around the clock
on 6/16 Petro chem truck arrived on site to Vacuum out the heavy grease in Pit #2 and also in the pool Area approximately 4000 gals. of grease, Foam silk and debris was pumped out.
Solutions treated approximately 250 yds per day. because of the heavy grease that was in the soil. Solutions continue taking PH samples on all of the Pits and pool. approximately 1750 gals of heavy grease is filtered

Summary of Work Completed Off-Site:

N/A

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story L.A.R.C. AREA Ft Story VA

For Week Ending 5/16/93

Explanation of Deviation from WorkPlan (Including Modifications and Schedule Slippages): None

Problems Encountered: None

Recommendations: None

Key Personnel Changes: None

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story L.A.R.C. AREA Ft Story, VA

For Week Ending 5/16/93

Work Anticipated to be Performed the Following Week: Solutions to Fill the 40'x100'x4' pool with GROUNDWATER pumped from the wells installed in the SANDBOX AREA. Install the pump to the Recovery well. Begin DRAWDOWN AND 8 hour Aquifer test. TRANSFER the MICRO-ORGANISMS to the pool. Begin to screen the Firepit soil. Begin the First application of the inoculant to the entire site. the phone line buried in the east side of the sandbox is to be moved.

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity To Date	Quantity Anticipated

Other Remarks: Dorothy Small is to meet with the state WATER BOARD ON WED 5/19 to Receive FINIAL APPROVAL of Solutions WORK PLAN

Signature: William T Simpson

RAPID RESPONSE WEEKLY REPORT

Project Name Ft Story Lake Aqua For Week Ending 5/23/93

Project Location Ft Story VA Beach, VA. Report No. 03

Name William T Simpson Title Operations Supervisor

Company Name & Address [illegible] Monroeville, PA. 15146

Telephone No. (412) 373-7701 Telefax No. (412) 373-7135

Reporting Period: 05/16/93 to 05/23/93

Percent Field Work Completed 30 % Percent Project Completed ____ %

Summary of Work Completed On-Site: Solutions continued to do site prep work before the site is treated with the inoculant. Transferred approx 40,000 gals of the micro-organisms from solutions lab to the 40'x100'x10' mobile tank on site. Solutions met with the state water board on Fri 5/21 to receive final approval of solutions work plan. Solutions [illegible] two 12 hrs shifts to maintain the micro-organisms

Summary of Work Completed Off-Site:

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story L.A.R.C. ARBA

For Week Ending 5/23/93

Explanation of Deviation from WorkPlan (Including Modifications and Schedule Slippages): None

Problems Encountered: None

Recommendations: None

Key Personnel Changes: None

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Ft Story L.A.R.C. AREA

For Week Ending 5/23/93

Work Anticipated to be Performed the Following Week: Finish site prep. and begin treatment with the inoculant to the sandbox area. The Telephone line that runs in the eastern part of the sandbox area is to be relocated. Solutions wants to start at the eastern area of the sand box

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity To Date	Quantity Anticipated

Other Remarks: The USACE informed the state water board that the project will proceed without their approval. the board will receive a Final Report when the Project is completed

Signature: William T [illegible]

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location _____

For Week Ending ___/___/___

Explanation of Deviation from WorkPlan (Including Modifications and Schedule Slippages): N/A

Problems Encountered: N/A

Recommendations: N/A

Key Personnel Changes: N/A

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Fort Story

For Week Ending 6/27/93

Work Anticipated to be Performed the Following Week: Solutions continue treating the contaminated soil approximately 700 yds will be treat under the 50 ppm limits (a day)
continue using the Vrc truck.
Taking sample of soil, water

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity To Date	Quantity Anticipated

Other Remarks:

Signature: [illegible]

U.S. ARMY RAPID RESPONSE CORPS OF ENGINEERS OMAHA DISTRICT

RAPID RESPONSE WEEKLY REPORT

Project Name Fort Story For Week Ending 6/25/93

Project Location Larc Area Report No. ____

Name Louie Bernardo Title Supervisor

Company Name & Address 2790 Mosside Blvd Monroeville

Telephone No. ( ) ____-____ Telefax No. ( ) ____-____

Reporting Period: 6/21/93 to 6/26/93

Percent Field Work Completed 50 % Percent Project Completed 65 %

Summary of Work Completed On-Site: Solutions operation
Continue processing soil
Serveral trenches were made to process the soil the heavy grease soil was finished approximately 3000 cuyard and then stockpiled for the second wash.
PH sampling was taken every day in all of trenches and in the pool
approximately 3000 gal of heavy grease was vaccum off of all the trench and the pool Area. (Petro chem Vac truck)
[illegible]

Summary of Work Completed Off-Site:

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Fort Story

For Week Ending 7/2/93

Work Anticipated to be Performed the Following Week:

Continue processing the soil from the northern end of site to the middle of site.
Starting working on the fire training soil that is stored on the southend of site. working toward middle.
taken down the 50x100 M. pad area to process the soil around that area.
Pit sampling will continue.

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity To Date	Quantity Anticipated

Other Remarks:

Signature: [illegible]

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Fort Story Lake Area

For Week Ending 6/28/93

Explanation of Deviation from WorkPlan (Including Modifications and Schedule Slippages): N/A

Problems Encountered: (PWC) Norfolk Hes called site about the heavy odor of Ammonia smell.
advised solution to cover up the lake's and also to applied water to the pile.

Approximately 1500 gals of Ammonia was applied to the sands. to help process the sand.
Air Monitoring was done every day for the Ammonia smell

Recommendations: N/A

Key Personnel Changes: N/A

RAPID RESPONSE WEEKLY REPORT

Project Name Fort Story For Week Ending 6/25/93

Project Location Larc Area Report No. ____

Name Louie Bernardo Title Supervisor

Company Name & Address 2790 Mosside Blvd Monroeville

Telephone No. ( ) ____-____ Telefax No. ( ) ____-____

Reporting Period: 6/21/93 to 6/26/93

Percent Field Work Completed 50 % Percent Project Completed 65 %

Summary of Work Completed On-Site: Solutions operation
Continue processing soil
Several trenches were made to process the soil the heavy grease soil was finished approximately 3000 cuyard and then stockpiled for the second wash.
PH sampling was taken every day in all of trenches and in the pool
approximately 3000gal of heavy grease was vaccum off of all the trench and the pool Area. (Petro chem Vac truck)

Summary of Work Completed Off-Site:

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Fort Story

For Week Ending 7/2/93

Work Anticipated to be Performed the Following Week:

Continue processing the soil from the northern end of site to the middle of site.
Starting working on the fire training soil that is staged on the south end of site. working toward middle.
taken down the 50x100 ft. pad area to process the soil around that area.
Pit sampling will continue.

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity To Date	Quantity Anticipated

Other Remarks:

Signature: [illegible]

RAPID RESPONSE WEEKLY REPORT CONT'D

Project Name & Location Fort Story Larc Area

For Week Ending 6/28/93

Explanation of Deviation from WorkPlan (Including Modifications and Schedule Slippages): N/A

Problems Encountered: (PWC) Norfolk Hes called site about the heavy odor of Ammonia smell.
advised solution to cover up the holes and also to applied water to the pile.

Approximately 1500 gals of Ammonia was applied to the sands. to help process the sand.
Air Monitoring was done every day for the Ammonia smell

Recommendations: N/A

Key Personnel Changes: N/A