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PROGRESS REPORT NO. 1
for
ACTIVITIES THROUGH DECEMBER 1, 1983
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

December 6, 1983

Prepared for:

Engineering Facilities Division
Northern Division
Naval Facilities Engineering Command
Building 77-L, U.S. Naval Base
Philadelphia, PA 19112

Prepared by:

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Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. SITE RECONNAISSANCE

On October 17, and 18, 1983, a site reconnaissance was conducted at the following sites:

Site No.	Name
1	McAllister Point Landfill
2	Melville North Landfill
7	Tank Farm 1
12	Tank Farm 4
14	Gould Island Disposal Area
17	Gould Island Electroplating Shop

In attendance were:

Loureiro Engineering Associates
- Julio Loureiro
- Jeffrey J. Loureiro
- Charles A. Jaworski

York Wastewater Consultants
- Robert Q. Bradley

NORDIV: Thomas Sheckels

NETC: Martin Dwyer

DFSP (Tank Farm 1): Terry Knight

Each site was inspected to determine prevailing conditions with respect to the sampling program including site accessibility, preliminary selection of sampling points and general background information on the sites. The only access limitations were determined to be the two tank farms. Tank Farm 1 is an active Defense Fuel Support Point (DFSP) and advance notification was required for site entry.

The gate to Tank Farm 4 is kept locked because the site is leased for use for livestock grazing. Although NETC has access to the site, the leasee requested that he be notified in advance of scheduled sampling activities.

At Tank Farm 1, Mr. Knight provided information on two possible points where samples of groundwater might be obtained without excavation or drilling of wells. These were as follows:

1. By by-passing an existing oil-water separator, a sample of groundwater from footing drains at the tanks on Tank Farm 1 could be obtained.
2. A sample of groundwater north of Tank Farm 1 could be obtained by use of an existing pit (cased with corrugated metal pipe) located near the bank of Melville Pond.

A Dig-Safe Permit application was requested by NETC prior to any excavation or sediment coring activities at any site.

Mr. Dwyer provided available drawings on the sites and also discussed general background information on activities which had been carried out in the past on each site.

A copy of the Corps of Engineers Safety Manual was obtained and the project safety requirements were discussed with the NETC Safety Officer.

B. PREPARATION OF PLAN OF ACTION

Based on the site reconnaissance and the Initial Assessment Study (IAS), a Plan of Action was prepared for the verification phase of the work, including principally the sampling and laboratory analysis activities. A draft of the Plan of Action was submitted to NORDIV and NETC on October 28, 1983. This draft was discussed by telephone on several occasions and several adjustments were made to fit the budgetary restrictions of the contract for laboratory work. Under the final version of the Plan of Action about 75 percent of the laboratory contract amount was committed for the verification phase of the study.

C. PREPARATION OF SAFETY PLAN

Based on the Plan of Action and the Corps of Engineers Safety Manual, a Safety Plan was prepared for the sampling and laboratory work. The plan was submitted to NORDIV and NETC on October 28, 1983.

D. PRESENTATION OF PLAN OF ACTION AND SAFETY PLAN

On November 7, 1983, the Plan of Action and Safety Plan were presented at a meeting in Newport, Rhode Island. Present were:

Loureiro Engineering Associates:

Julio Loureiro

Charles Jaworski

Naval Education Training Center

Captain Corr, Base Commander

Commander Pappas, Assistant Base Commander

Commander Forney, Public Works Officer

Martin Dwyer

NORDIV: Thomas Sheckels

The proposed first phase sampling program was described for each site, the control stations and the drum sampling. Several questions were discussed, including those relating to possible interpretations of analytical results, publicity on the program and the overall program schedule.

E. DIG-SAFE PERMIT APPLICATIONS

Dig-Safe Permit applications were prepared and submitted to the NETC Public Works Department and to the regional Dig-Safe in Burlington, MA on November 11, 1983. The NETC Public Works Department advised that no permit would be required for any sites except the tank farms, where the desired excavation points would have to be staked out before action on the application could be taken.

The regional Dig-Safe application was forwarded to the Providence Gas Co., the Algonquin Gas Transmission Co. and the New England Telephone Co.

F. PREPARATION FOR SAMPLING

Based on the Plan of Action and the Safety Plan, the necessary equipment and

supplies were assembled including inflatable boat, sampling equipment, sample containers and preservatives, personnel protective equipment, first aid supplies and sample custody forms.

G. COLLECTION OF SAMPLES

Samples were collected as shown in the Plan of Action on November 28 through December 1, 1983, with the following exceptions:

Site No.	Name	Exception
1	McAllister Point Landfill	The leachate sample at station 1-7 was collected in wet weather since this leachate does not flow in dry weather.
12	Tank Farm 4	No dry weather surface water sample was collected because there was no flow in the swale during dry weather.
N-2	Control-South	This control station was relocated to a point north of the Newport Bridge because suitable access was not available in the area shown in the Plan of Action.

As required by the Dig-Safe Permit procedure, the locations of soil sample stations on the two tank farms were staked out November 28, 1983 and verbal approval to proceed was received from the NETC Public Works Dept. on November 29, 1983.

Mr. Knight of DFSP was helpful in providing access to Tank Farm 1 and in by-passing the oil-water separator for ground water sampling.

It was the intent to collect three sediment samples at each designated sediment sampling station. Because of the presence of very coarse sediment materials (rocks, boulders, stones with limited sand or silt deposits) only surface sediment samples were obtained at most locations. This provided sufficient sediment for the intended analyses in the verification phase in which the Plan of Action was to analyze only surface sediments. The sediment samples at greater depths were intended for use, if necessary, in the later

characterization stage; these were obtainable only at the three Melville North Landfill sampling stations and at one station on the Gould Island electroplating shop.

A list of all samples collected is attached hereto.

H. CONTACTS WITH EPA

Telephone contacts were made and a meeting was held with Mr. Donald Phelps, Biological Oceanographer, EPA Environmental Research Laboratory, Narragansett, Rhode Island. Information was obtained on the Coastal Environmental Assessment Stations (CEAS) Program and other background information on the use of mussels in detecting the presence of pollutants. Mr. Phelps offered assistance in the confirmation study in the form of further technical advice and the use of mussels from the control population used by EPA. The latter would be useful if the characterization stage were to involve further evaluations of contaminants in mussels. Present at the meeting were C.A. Jaworski of Loureiro Engineering Associates and Thomas Sheckels of NORDIV.

SUMMARY OF SAMPLES COLLECTED

The following eight pages list the samples collected at the following locations:

Site No.	Name
01	McAllister Point Landfill
02	Melville North Landfill
07	Tank Farm 1
12	Tank Farm 4
14	Gould Island Disposal Area
17	Gould Island Electroplating Shop
N1	Control Station about midway between Coggleshall Point and Arnold Point (Portsmouth)
N2	Control Station north of Potter Cove, Conanicut Island (Jamestown)

The sample types are designated by the following codes:

DR	Drum suspected to contain hazardous waste
GWD	Groundwater collected after a period of dry weather (suffixes A, B and C represent bottles for different types of analyses)
GWW	Groundwater collected after a period of wet weather (suffixes A, B and C represent bottles for different types of analyses)
LD	Leachate from landfill collected after a period of dry weather (suffixes A to E represent bottles for different types of analyses)
LW	Leachate from landfill collected after a period of wet weather (suffixes A to E represent bottles for different types of analyses)
MS	Mussels
SD	Sediment core (suffix A indicates 0 to 3" depth; B indicates center of core and C bottom of core except at Gould Island Electroplating site suffix B indicates 6" to 12" depth).
SL	Soil

Samples were collected by:

ND	Nelson DaDalt
CJ	Charles Jaworski
JL	Jeffrey Loureiro
JB	John Bennett
GP	George Potera

Samples are to be analyzed for parameters in accordance with the Plan of Action, except that it was necessary to increase the number of composited drum samples.

USN NETC
CONF STUDY
SAMPLES

SITE NO. 01 - McALLISTER POINT LANDFILL

NO.	STA	TYPE	TIME	COLL
			11-28-83	
8600	01	SLA	2:55 P.M.	JL
8601	01	SLB	2:55	JL
8602	02	SLA	3:00	JL
8603	02	SLB	3:00	JL
8604	03	SLA	3:05	JL
8605	03	SLB	3:05	JL
8606	04	SLA	3:10	JL
8607	04	SLB	3:10	JL
8608	05	SLA	3:15	JL
8609	05	SLB	3:15	JL
8610	06	SLA	3:20	JL
8611	06	SLB	3:20	JL
			11-29-83	
8612	08	LWA	10:00 A.M.	CJ
8613	08	LWB	10:00	CJ
8614	08	LWC	10:00	CJ
8615	08	LWD	10:00	CJ
8616	08	LWE	10:00	CJ
8617	07	LWA	10:30	CJ
8618	07	LWB	10:30	CJ
8619	07	LWC	10:30	CJ
8620	07	LWD	10:30	CJ
8621	07	LWE	10:30	CJ
8622	09	MS	10:00	ND
8623	10	MS	10:00	GP
8624	11	MS	10:30	GP
8625	12	MS	11:00	GP
8626	13	MS	11:30	GP
8627	09	SDA	10:15	JL
8628	10	SDA	10:30	JL
8629	11	SDA	10:45	JL
8630	12	SDA	11:00	JL
8631	13	SDA	11:15	JL
			11-30-83	
8632	13	MS	9:30 A.M.	CJ
8633	08	LDA	9:30	CJ
8634	08	LDB	9:30	CJ
8635	08	LDC	9:30	CJ
8636	08	LDD	9:30	CJ
8637	08	LDE	9:30	CJ

USN NETC
CONT STUDY
SAMPLES

SITE NO. 02 - MELVILLE NORTH LANDFILL

NO.	STA	TYPE	TIME	COLL
			11-28-83	
8660**	01	SL	3:55 P.M.	CJ
8661**	02	SL	4:00	CJ
8662**	03	SL	4:05	CJ
			11-29-83	
8663	06	MS	8:45 A.M.	GP
8664	05	MS	9:15	GP
8665	04	MS	9:30	GP
8666	04	SDA	8:40	JL
8667*	04	SDB	8:40	JL
8668*	04	SDC	8:40	JL
8669	05	SDA	9:15	JL
8670*	05	SDB	9:15	JL
8671*	05	SDC	9:15	JL
8672	06	SDA	9:30	JL
8673*	06	SDB	9:30	JL
8674*	06	SDC	9:30	JL

*These samples are not being analyzed in the verification stage.

**These samples are being composited into one sample for analysis.

USN NETC
CONT STUDY
SAMPLES

SITE NO. 07 - TANK FARM 1

NO.	STA	TYPE	TIME	COLL
			11-28-83	
8685	03	GWDA	11:30 A.M.	CJ
8686	03	GWDB	11:30	CJ
8687	03	GWDC	11:30	CJ
8688	04	GWDA	11:55	CJ
8689	04	GWDB	11:55	CJ
8690	04	GWDC	11:55	CJ
			11-29-83	
8691	04	GWWA	1:55 P.M.	CJ
8692	04	GWWB	1:55	CJ
8693	04	GWWC	1:55	CJ
8694	03	GWWA	2:25	CJ
8695	03	GWWB	2:25	CJ
8696	03	GWWC	2:25	CJ
			11-30-83	
8697	05	SL	7:45 A.M.	CJ
8698	02	SL	8:00	CJ
8699	01	SL	8:15	CJ

USN NETC
CONF STUDY
SAMPLES

SITE NO. 12 - TANK FARM 4

NO.	STA	TYPE	TIME	COLL
			11-28-83	
8710*	07	SDA	3:45 P.M.	JL
			11-29-83	
8711	09	SDA	3:15 P.M.	CJ
8712	09	G SWWA	3:10	CJ
8713	09	G SWWB	3:10	CJ
8714**	01	SL	2:15	JL
8715**	02	SL	2:30	JL
8716**	03	SL	2:45	JL
8717**	04	SL	3:00	JL
8718**	05	SL	3:15	JL
8719**	06	SL	3:30	JL

*This sample is not being analyzed in the verification stage

**These samples are being composited into one sample for analysis

USN NLTC
CONF STUDY
SAMPLES

SITE NO. 14 - GOULD ISLAND DISPOSAL AREA

NO.	STA	TYPE	TIME	COLL
			12-1-83	
8730	03	SDA	10:45 A.M.	JL
8731	02	SDA	11:00	JL
8732	01	SDA	11:00	JL
8733	01	MS	10:45	JB
8734	03	MS	10:45	CJ
8735	02	MS	11:30	CJ

USN NETC
CONF STUDY
SAMPLES

SITE NO. 17 - GOULD ISLAND ELECTROPLATING SHOP

NO.	STA	TYPE	TIME	COLL
			12-1-83	
8750	02	SDA	10:00 A.M.	JL
8751	01	SDA	10:30	JL
8752*	01	SDB	10:30	JL
8753	02	MS	10:00	JB
8754	01	MS	10:30	CJ

*This sample is not being analyzed in the verification stage.

USN NETC
CONF STUDY
SAMPLES

DRUMS SUSPECTED TO CONTAIN HAZARDOUS WASTE

NO.	DRUM NUMBER	TIME	COLL
		11-30-83	
8785	08	2:00 P.M.	JL
8786	06	2:30	JL
8787	01	2:45	JL
8788	07	3:00	JL
8789	12	3:15	JB
8790	05	3:00	JL
8791	04	3:00	JL
8792	14	3:00	JL
8793	09	3:30	JL
8794	13	3:15	JB
8795	02	3:30	JB
8796	11	3:45	CJ
8797	03	4:00	JB
8798	10	4:00	CJ

Note: Samples will be composited to minimize the number of analyses reuuired to prepare a shipping manifest

USN NETC
CONF STUDY
SAMPLES

CONTROL SAMPLES

NO.	STA	TYPE	TIME	COLL
			11-30-83	
8765	N1	SDA	9:30 A.M.	JL
8766	N1	MS	9:30	JB
8775	N2	MS	11:10	JB
8776	N2	SDA	11:20	JL

PROGRESS REPORT NO. 2
for
ACTIVITIES FOR DECEMBER, 1983
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

January 11, 1983

Prepared for:

Engineering Facilities Division
Northern Division
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Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. LABORATORY ANALYSES

Upon delivery of the verification step samples to the laboratory, the samples were transferred to the sample custodian. The samples were logged in and preliminary sample preparation was conducted as required. Although some testing has been completed, no laboratory reports have been processed to completion at this time. All reports on analyses of all samples are scheduled for completion by January 31, 1984.

B. DRAFT REPORT

Upon completion of the sampling program for the verification step, the draft report was outlined and all sections pertaining to introductory items and the sampling program were written. The remaining work involves the laboratory results, discussions, evaluations and findings on each of the sites investigated. The draft report is scheduled for completion February 28, 1984.

PROGRESS REPORT NO. 3
for
ACTIVITIES FOR JANUARY, 1984
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

February 14, 1984

Prepared for:

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Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. LABORATORY ANALYSES

All laboratory testing has been completed and laboratory reports are being checked for completeness. A preliminary copy of the results is attached.

B. DRAFT REPORT

The draft report has been written except for the evaluations of the laboratory findings and preparation of recommendations. The draft report is scheduled for completion February 28, 1984.

C. REPORT ON DRUM SAMPLING

A report on sampling and analysis of contents of drums suspected to contain hazardous wastes was submitted on January 27, 1984. This report represents completion of the work on the wastes in drums.

01-6191-00
LEA/USN NEWPORT RI LABORATORY RESULTS
SITE 01
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

Sample ID	PCB's ppm	CR	CD	PB	AS	HG	SE	AG
01-09-MS	0.38	<250	<50	<500	<200	<20	<200	<500
01-10-MS	<0.01	<250	<50	<500	<200	<20	<200	<500
01-11-MS	0.29	<250	<50	<500	<200	<20	<200	<500
01-12-MS	0.33	<250	<50	<500	<200	<20	<200	<500
Composite of: 01-13 and 01-13-MS	0.29	<250	<50	<500	<200	<20	<200	<500
C1-09-SDA	<0.5	7,500	<50	70,008	<200	<20	<200	<500
C1-10-SDA	<0.5	7,000	<50	77,491	<200	<20	<200	<500
C1-11-SDA	<0.5	6,250	<50	57,463	<200	<20	<200	<500
C1-12-SDA	<0.5	17,500	<50	900,104	<200	<20	<200	<500
C1-13-SDA	<0.5	14,750	<50	327,447	<200	<20	<200	<500

01-6191-00
LEA/USN NEWPORT RI LABORATORY RESULTS
SITE 01
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

Sample ID	CU	BA	NI	BE	SB	SN
01-09-MS	6,041	<400	<500	<250	<500	<500
01-10-MS	6,432	<400	<500	<250	<500	<500
01-11-MS	9,231	<400	<500	<250	<500	<500
01-12-MS	12,214	<400	<500	<250	<500	<500
Composite of: 01-13 and 01-13-MS	28,263	<400	<500	<250	<500	<500
01-09-SDA	28,250	<400	19,250	<250	<500	<500
01-10-SDA	133,230	<400	22,000	<250	<500	<500
01-11-SDA	153,400	<400	32,750	<250	<500	<500
01-12-SDA	1,455,170	<400	64,010	<250	<500	<500
01-13-SDA	654,890	<400	55,490	<250	<500	<500

01-6191-00
LEA/USN NEWPORT RI LABORATORY RESULTS
SITE 02 MELVILLE NORTH
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

Sample ID	PCB's ppm	PET. BASED HC (ppm)	CR	CD	PB	AS	HG	SE	AG
Composite of Nos.:									
02-01-SL		32,508			60,003				
02-02-SL									
02-03-SL									
02-06-MS	0.03		<500	<50	<500	<200	<20	<200	<500
02-05-MS	0.35		<500	<50	<500	<200	<20	<200	<500
02-04-MS	0.08		<500	<50	<500	<200	<20	<200	<500
02-04-SDA	<0.5		4,250	<200	2,250	<200	<20	<200	<500
02-05-SDA	<0.5		9,250	<200	7,499	<200	<20	<200	<500
02-06-SDA	<0.5		5,750	<200	5,750	<200	<20	<200	<500

01-6191-00
LEA/USN NEWPORT RI LABORATORY RESULTS
SITE 02 MELVILLE NORTH
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

Sample ID	CU	BA	NI	BE	SB	SN
Composite of Nos.:						
02-01-SL						
02-02-SL						
02-03-SL						
02-06-MS	<250	<400	<500	<250	<500	<500
02-05-MS	<250	<400	<500	<250	<500	<500
02-04-MS	<250	<400	<500	<250	<500	<500
02-04-SDA	4,000	<400	8,250	<250	<500	<500
02-05-SDA	16,000	<400	10,750	<250	<500	<500
02-06-SDA	5,500	<400	10,250	<250	<500	<500

01-6191-00
LEA/USN NEWPORT RI LABORATORY RESULTS
SITE 07 TANK FARM NO. 1
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

	Sample ID	Benzene	Toluene	Xylenes	Lead	Pet. Based HC (ppm)	Oil & Grease (ppm)
pool	0703GWDA	17.7	281	561			
	0703GWDB					3.88	
	0703GWDC				<40		
Tank	0704GWDA	479	735	226			
	0704GWDB					2.76	
	0704GWDC				<40		
	0704GWWA	39.8	58.7	26			
	0704GWWB					5.48	
	0704GWWC				<40		
pool	0703GWWA	160	203	91			
	0703GWWB					1.56	
	0703GWWC				<40		
	0705SL				8,500		2,013
	0702SL				27,499		1,321
	0701SL				15,250		2,194

01-6191-00
LEA/USN NEWPORT RI LABORATORY RESULTS
SITE 12 TANK FARM 4
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

Sample ID	Lead	Petroleum Based HC (ppm)	Oil & Grease (ppm)
12-09-SDA	<500	478	
12-09-SWWA		3.6	
12-09-SWWB	<500		
Composite of Nos.:			
12-01-SL	3,250		
12-02-SL			216
12-03-SL			
12-04-SL			
12-05-SL			
12-06-SL			

LEA/USN NEWPORT RI LABORATORY RESULTS
SITE 14 NETC GI Disposal
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

Sample ID	PCB's ppm	CR	CD	PB	AS	HG	SE	AG
14-03-SDA	<0.5	15,000	<50	269,971	<200	<20	<200	<500
14-02-SDA	<0.5	17,750	<50	309,950	<200	<20	<200	<500
14-01-SDA	<0.5	8,000	<50	69,982	<200	<20	<200	<500
14-01-MS	0.23	<500	<50	<500	<200	<20	<200	<500
14-03-MS	0.16	<500	<50	<500	<200	<20	<200	<500
14-02-MS	0.17	<500	<50	<500	<200	<20	<200	<500

01-6191-00
LEA/USN NEWPORT RI LABORATORY RESULTS
SITE 14 NETC
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

Sample ID	CU	BA	NI	BE	SB	SN
14-03-SDA	292,470	<400	29,000	<250	<500	<500
14-02-SDA	241,970	<400	29,250	<250	<500	<500
14-01-SDA	134,460	<400	14,250	<250	<500	<500
14-01-MS	7,483	<400	<500	<250	<500	<500
14-03-MS	9,462	<400	<500	<250	<500	<500
14-02-MS	17,500	<400	<500	<250	<500	<500

01-6191-00
LEA/USN NEWPORT RI LABORATORY RESULTS
SITE NO. 17 ES
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

Sample ID	Cyanide	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver
1702SDA	111	<50	<250	17,373	6,500	<20	<500	<500
1701SDA	121	<50	<250	26,000	<500	<20	<500	<500
1702MS		<50	<250	26,273	<500	<20	<500	<500
1701MS		<50	<250	6,022	<500	<20	<500	<500

01-6191-00
LEA/USN NEWPORT RI. LABORATORY RESULTS
SITE N1 AND N2
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

Sample ID	PCB's ppm	Cyanide	CR	CD	PB	AS	HG	SE	AG
N1-[illegible]1-SDA	<5.0	31	11,500	<50	27,497	<200	<20	<200	<500
N1-[illegible]1-MS	0.36		<250	<50	<500	<200	<20	<200	<500
N2-[illegible]1-MS	0.37		<250	<50	<500	<200	<20	<200	<500
N2-[illegible]1-SDA	<0.5	27	8,000	<50	6,750	<200	<20	<200	<500

01-6191-00
LEA/USN NEWPORT RI LABORATORY RESULTS
SITE N1 AND N2
ALL RESULTS IN PPB UNLESS OTHERWISE NOTED

Sample ID	CU	BA	NI	BE	SB	SN
N1-01-SDA	18,250	<400	21,250	<250	<500	<500
N1-01-MS	7,232	<400	<500	<250	<500	<500
N2-01-MS	4,257	<400	<500	<250	<500	<500
N2-01-SDA	10,250	<400	11,250	<250	<500	<500

EPA DESIGNATED PRIORITY POLLUTANTS

YORK LABORATORIES
DIV. OF YOC, INC.

METHODOLOGY:EPA624AND 625

CLIENT: LEA/USNAVY-NEWPORT DATE:1/84 DESCRIPTION: COMPOSITE OF NOS. 01-01-SLATHROUGH 01-06-SLA (VOLATILES)
JOB NO.:01-6191 NETC AND 01-01-SLB THROUGH 01-06-SLB
FOR OTHERS

VOLATILE ORGANICS	CONCENTRATION(UG/KG OR PPB)	DETECTION LIMIT IN UG/KG(PPB)
ACROLEIN	BDL	100
ACRYLONITRILE	BDL	100
BENZENE	BDL	10
BIS(CHLOROMETHYL)ETHER	BDL	10
BROMOFORM	BDL	10
CARBON TETRACHLORIDE	BDL	10
CHLOROBENZENE	BDL	10
CHLORODIBROMOMETHANE	BDL	10
CHLOROETHANE	BDL	10
CHLOROETHYL VINYL ETHER	BDL	10
CHLOROFORM	BDL	10
DICHLOROBROMOMETHANE	BDL	10
DICHLORODIFLUOROMETHANE	BDL	10
DICHLOROETHANE(1,1)	BDL	10
DICHLOROETHANE(1,2)	BDL	10
DICHLOROETHYLENE(1,1)	BDL	10
DICHLOROPROPANE(1,2)	BDL	10
DICHLOROPROPYLENE(1,3)	BDL	10
ETHYLBENZENE	BDL	10
METHYL BROMIDE	BDL	10
METHYL CHLORIDE	BDL	10
METHYLENE CHLORIDE	BDL	10
1,1,2,2-TETRACHLOROETHANE	BDL	10
TETRACHLOROETHYLENE	BDL	10
TOLUENE	BDL	10
1,2-TRANS-DICHLOROETHYLENE	BDL	10
1,1,1-TRICHLOROETHANE	BDL	10
1,1,2-TRICHLOROETHANE	BDL	10
TRICHLOROETHYLENE	BDL	10
TRICHLOROFLUOROMETHANE	BDL	10
VINYL CHLORIDE	BDL	

	CONCENTRATION(UG/G(PPM)	DETECTION LIMIT UG/G OR PPM
BASE/NEUTRAL EXTRACTABLE ORGANICS		
ACENAPHTHENE	BDL	0.5
ACENAPHTHYLENE	BDL	0.5
ANTHRACENE	BDL	0.5
BENZIDINE	BDL	0.5
BENZO(A)ANTHRACENE	BDL	0.5
BENZO(A)PYRENE	BDL	0.5
3,4-BENZOFLUORANTHENE	BDL	0.5
BENZO(GHI)PERYLENE	BDL	1.25
BENZO(K)FLUORANTHENE	BDL	0.5
BIS(2-CHLOROETHOXY)METHANE	BDL	0.5
BIS(2-CHLOROETHYL)ETHER	BDL	0.5
BIS(2-CHLOROISOPROPYL)ETHER	BDL	0.5
BIS(2-ETHYLHEXYL)PHTHALATE	BDL	0.5
4-BROMOPHENYL PHENYL ETHER	BDL	0.5
BUTYL BENZYL PHTHALATE	BDL	0.5
2-CHLORONAPHTHALENE	BDL	0.5
4-CHLOROPHENYL PHENYL ETHER	BDL	0.5
CHRYSENE	BDL	0.5
DIBENZ(A,H)ANTHRACENE	BDL	1.25
1,2-DICHLOROBENZENE	BDL	0.5
1,3-DICHLOROBENZENE	BDL	0.5
1,4-DICHLOROBENZENE	BDL	0.5
3,3'-DICHLOROBENZIDINE	BDL	0.5
DIETHYL PHTHALATE	BDL	0.5
DIMETHYL PHTHALATE	BDL	0.5
DI-N-BUTYL PHTHALATE	BDL	0.5
2,4-DINITROTOLUENE	BDL	0.5
2,6-DINITROTOLUENE	BDL	0.5
DI-N-OCTYL PHTHALATE	BDL	0.5
1,2-DIPHENYLHYDRAZINE	BDL	0.5
FLUORANTHENE	BDL	0.5
FLUORENE	BDL	0.5
HEXACHLOROBENZENE	BDL	0.5
HEXACHLOROBUTADIENE	BDL	0.5
HEXACHLOROCYCLOPENTADIENE	BDL	0.5
HEXACHLOROETHANE	BDL	0.5
INDENO(1,2,3-CD)PYRENE	BDL	1.25
ISOPHORONE	BDL	0.5

ISOPHORONE	BDL	0.5
NAPHTHALENE	BDL	0.5
NITROBENZENE	BDL	0.5
N-NITROSODIMETHYLAMINE	BDL	0.5
N-NITROSODI-N-PROPYLAMINE	BDL	0.5
N-NITROSODIPHENYLAMINE	BDL	0.5
PHENANTHRENE	BDL	0.5
PYRENE	BDL	0.5
1,2,4-TRICHLOROBENZENE	BDL	0.5

ACID EXTRACTABLE ORGANICS	CONCENTRATION(UG/G OR PPM)	DETECTION LIMIT UG/G(PPM)
2-CHLOROPHENOL	BDL	1.25
2,4-DICHLOROPHENOL	BDL	1.25
2,4-DIMETHYLPHENOL	BDL	1.25
4,6-DINITRO-O-CRESOL	BDL	12.5
2,4-DINITROPHENOL	BDL	12.5
2-NITROPHENOL	BDL	1.25
4-NITROPHENOL	BDL	1.25
P-CHLORO-M-CRESOL	BDL	1.25
PENTACHLOROPHENOL	BDL	1.25
PHENOL	BDL	1.25
2,4,6-TRICHLOROPHENOL	BDL	1.25
		1.25

PESTICIDES/PCB'S

ALDRIN	BDL	0.5
A-BHC	BDL	0.5
B-BHC	BDL	0.5
G-BHC	BDL	0.5
D-BHC	BDL	0.5
CHLORDANE	BDL	0.5
4,4'-DDT	BDL	0.5
4,4'-DDE	BDL	0.5
4,4'-DDD	BDL	0.5
DIELDRIN	BDL	0.5
A-ENDOSULFAN	BDL	0.5
B-ENDOSULFAN	BDL	0.5
ENDOSULFAN SULFATE	BDL	0.5
ENDRIN	BDL	0.5
ENDRIN ALDEHYDE	BDL	0.5

ENDRIN ALDEHYDE	BDL	0.5
HEPTACHLOR	BDL	0.5
HEPTACHLOR EPOXIDE	BDL	0.5
PCB-1242	BDL	0.5
PCB-1254	BDL	0.5
PCB-1221	BDL	0.5
PCB-1232	BDL	0.5
PCB-1248	BDL	0.5
PCB-1260	BDL	0.5
PCB-1016	BDL	0.5
TOXAPHENE	BDL	0.5
		0.5

METAL PRIORITY POLLUTANTS	CONCENTRATION UG/KG OR PPB)	DETECTION LIMIT (PPB)>A1
ANTIMONY	BDL	500
ARSENIC	BDL	20
BERYLLIUM	BDL	250
CADMIUM	BDL	50
CHROMIUM	7,250	250
COPPER	13,500	250
LEAD	9,000	500
MERCURY	BDL	2.0
NICKEL	20,500	500
SELENIUM	BDL	200
SILVER	BDL	500
THALLIUM	BDL	100
ZINC	255	100

MISCELLANEOUS		
CYANIDES	47	5
PHENOLS	27	5

BDL=BELOW DETECTABLE LIMIT

DONE

EPA DESIGNATED PRIORITY POLLUTANTS

YORK LABORATORIES
DIV. OF YWC, INC.

METHODOLOGY:EPA624AND 625

CLIENT: LEA/USNAVY NEWPORT . DATE:1/84 DESCRIPTION: 01-07-LWA THROUGH LWE

JOB NO.:01-6191 NETC

VOLATILE ORGANICS	CONCENTRATION(UG/L)	DETECTION LIMIT (UG/L)
ACROLEIN	BDL	100
ACRYLONITRILE	BDL	100
BENZENE	BDL	10
BIS(CHLOROMETHYL)ETHER	BDL	10
BROMOFORM	BDL	10
CARBON TETRACHLORIDE	BDL	10
CHLOROBENZENE	BDL	10
CHLORODIBROMOMETHANE	BDL	10
CHLOROETHANE	BDL	10
CHLOROETHYLVINYL ETHER	BDL	10
CHLOROFORM	BDL	10
DICHLOROBROMOMETHANE	BDL	10
DICHLORODIFLUOROMETHANE	BDL	10
DICHLOROETHANE(1,1)	BDL	10
DICHLOROETHANE(1,2)	BDL	10
DICHLOROETHYLENE(1,1)	BDL	10
DICHLOROPROPANE(1,2)	BDL	10
DICHLOROPROPYLENE(1,3)	BDL	10
ETHYLBENZENE	30	10
METHYL BROMIDE	BDL	10
METHYL CHLORIDE	BDL	10
METHYLENE CHLORIDE	BDL	10
1,1,2,2-TETRACHLOROETHANE	BDL	10
TETRACHLOROETHYLENE	BDL	10
TOLUENE	26	10
1,2-TRANS-DICHLOROETHYLENE	BDL	10
1,1,1-TRICHLOROETHANE	BDL	10
1,1,2-TRICHLOROETHANE	BDL	10
TRICHLOROETHYLENE	BDL	10
TRICHLOROFLUOROMETHANE	BDL	10
VINYL CHLORIDE	BDL	

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	CONCENTRATION(UG/L)	DETECTION LIMIT (UG/L)
BASE/NEUTRAL EXTRACTABLE ORGANICS		
ACENAPHTHENE	BDL	10
ACENAPHTHYLENE	BDL	10
ANTHRACENE	BDL	10
BENZIDINE	BDL	10
BENZO(A)ANTHRACENE	BDL	10
BENZO(A)PYRENE	BDL	10
3,4-BENZOFLUORANTHENE	BDL	10
BENZO(GHI)PERYLENE	BDL	25
BENZO(K)FLUORANTHENE	BDL	10
BIS(2-CHLOROETHOXY)METHANE	BDL	10
BIS(2-CHLOROETHYL)ETHER	BDL	10
BIS(2-CHLOROISOPROPYL)ETHER	BDL	10
BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10
4-BROMOPHENYL PHENYL ETHER	BDL	10
BUTYL BENZYL PHTHALATE	BDL	10
2-CHLORONAPHTHALENE	BDL	10
4-CHLOROPHENYL PHENYL ETHER	BDL	10
CHRYSENE	BDL	10
DIBENZO(A,H)ANTHRACENE	BDL	25
1,2-DICHLOROBENZENE	BDL	10
1,3-DICHLOROBENZENE	BDL	10
1,4-DICHLOROBENZENE	BDL	10
3,3'-DICHLOROBENZIDINE	BDL	10
DIETHYL PHTHALATE	BDL	10
DIMETHYL PHTHALATE	BDL	10
DI-N-BUTYL PHTHALATE	BDL	10
2,4-DINITROTOLUENE	BDL	10
2,6-DINITROTOLUENE	BDL	10
DI-N-OCTYL PHTHALATE	BDL	10
1,2-DIPHENYLHYDRAZINE	BDL	10
FLUORANTHENE	BDL	10
FLUORENE	BDL	10
HEXACHLOROBENZENE	BDL	10
HEXACHLOROBUTADIENE	BDL	10
HEXACHLOROCYCLOPENTADIENE	BDL	10
HEXACHLOROETHANE	BDL	10
INDENO(1,2,3-CD)PYRENE	BDL	25

EPA DESIGNATED PRIORITY POLLUTANTS

YORK LABORATORIES
DIV. OF YWC, INC.

METHODOLOGY: EPA624AND 625

CLIENT: LEA/USNAVY NEWPORT . DATE: 1/84 DESCRIPTION: 01-08-LDA THROUGH LDE

JOB NO.: 01-6191 NETC

VOLATILE ORGANICS	CONCENTRATION(UG/L)	DETECTION LIMIT (UG/L)
ACROLEIN	BDL	100
ACRYLONITRILE	BDL	100
BENZENE	BDL	10
BIS(CHLOROMETHYL)ETHER	BDL	10
BROMOFORM	BDL	10
CARBON TETRACHLORIDE	BDL	10
CHLOROBENZENE	BDL	10
CHLORODIBROMOMETHANE	BDL	10
CHLOROETHANE	BDL	10
CHLOROETHYLVINYL ETHER	BDL	10
CHLOROFORM	BDL	10
DICHLOROBROMOMETHANE	BDL	10
DICHLORODIFLUOROMETHANE	BDL	10
DICHLOROETHANE(1,1)	BDL	10
DICHLOROETHANE(1,2)	BDL	10
DICHLOROETHYLENE(1,1)	BDL	10
DICHLOROPROPANE(1,2)	BDL	10
DICHLOROPROPYLENE(1,3)	BDL	10
EHTYLBENZENE	BDL	10
METHYL BROMIDE	BDL	10
METHYL CHLORIDE	BDL	10
METHYLENE CHLORIDE	BDL	10
1,1,2,2-TETRACHLOROETHANE	BDL	10
TETRACHLOROETHYLENE	BDL	10
TOLUENE	BDL	10
1,2-TRANS-DICHLOROETHYLENE	BDL	10
1,1,1-TRICHLOROETHANE	BDL	10
1,1,2-TRICHLOROETHANE	BDL	10
TRICHLOROEHTYLENE	BDL	10
TRICHLOROFLUOROMETHANE	BDL	10
VINYL CHLORIDE	BDL	

	CONCENTRATION(UG/L)	DETECTION LIMIT (UG/L)

ISOPHORONE	BDL	10
NAPHTHALENE	BDL	10
NITROBENZENE	BDL	10
N-NITROSODIMETHYLAMINE	BDL	10
N-NITROSODI-N-PROPYLAMINE	BDL	10
N-NITROSODIPHENYLAMINE	BDL	10
PHENANTHRENE	BDL	10
PYRENE	BDL	10
1,2,4-TRICHLOROBENZENE	BDL	10

ACID EXTRACTABLE ORGANICS	CONCENTRATION(UG/L)	DETECTION LIMIT(UG/L)
2-CHLOROPHENOL	BDL	25
2,4-DICHLOROPHENOL	BDL	25
2,4-DIMETHYLPHENOL	BDL	25
4,6-DINITRO-O-CRESOL	BDL	250
2,4-DINITROPHENOL	BDL	250
2-NITROPHENOL	BDL	25
4-NITROPHENOL	BDL	25
P-CHLORO-M-CRESOL	BDL	25
PENTACHLOROPHENOL	BDL	25
PHENOL	BDL	25
2,4,6-TRICHLOROPHENOL	BDL	25
		25

PESTICIDES/PCB'S		
ALDRIN	BDL	10
A-BHC	BDL	10
B-BHC	BDL	10
C-BHC	BDL	10
D-BHC	BDL	10
CHLORDANE	BDL	10
4,4'-DDT	BDL	10
4,4'-DDE	BDL	10
4,4'-DDD	BDL	10
DIELDRIN	BDL	10
A-ENDOSULFAN	BDL	10
B-ENDOSULFAN	BDL	10
ENDOSULFAN SULFATE	BDL	10
ENDRIN	BDL	10
ENDRIN ALDEHYDE	BDL	10
HEPTACHLOR	BDL	10

HEPTACHLOR EPOXIDE	BDL	10
PCB-1242	BDL	10
PCB-1254	BDL	10
PCB-1221	BDL	10
PCB-1232	BDL	10
PCB-1248	BDL	10
PCB-1260	BDL	10
PCB-1016	BDL	10
TOXAPHENE	BDL	10
		10

METAL PRIORITY POLLUTANTS CONCENTRATION (UG/L)
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ANTIMONY	BDL	50
ARSENIC	BDL	2
BERYLLIUM	BDL	50
CADMIUM	28	10
CHROMIUM	BDL	25
COPPER	BDL	25
LEAD	BDL	50
MERCURY	BDL	.2
NICKEL	BDL	50
SELENIUM	BDL	50
SILVER	BDL	50
THALLIUM	BDL	10
ZINC	BDL	10

MISCELLANEOUS
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CYANIDES	16.7	5
PHENOLS	6	5

BDL=BELOW DETECTABLE LIMIT

DONE

BASE/NEUTRAL EXTRACTABLE ORGANICS	CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
ACENAPHTHENE	BDL	10
ACENAPHTHYLENE	BDL	10
ANTHRACENE	BDL	10
BENZIDINE	BDL	10
BENZO(A)ANTHRACENE	BDL	10
BENZO(A)PYRENE	BDL	10
3,4-BENZOFLUORANTHENE	BDL	10
BENZO(GHI)PERYLENE	BDL	25
BENZO(K)FLUORANTHENE	BDL	10
BIS(2-CHLOROETHOXY)METHANE	BDL	10
BIS(2-CHLOROETHYL)ETHER	BDL	10
BIS(2-CHLOROISOPROPYL)ETHER	BDL	10
BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10
4-BROMOPHENYL PHENYL ETHER	BDL	10
BUTYL BENZYL PHTHALATE	BDL	10
2-CHLORONAPHTHALENE	BDL	10
4-CHLOROPHENYL PHENYL ETHER	BDL	10
CHRYSENE	BDL	10
DIBENZO(A,H)ANTHRACENE	BDL	25
1,2-DICHLOROBENZENE	BDL	10
1,3-DICHLOROBENZENE	BDL	10
1,4-DICHLOROBENZENE	BDL	10
3,3'-DICHLOROBENZIDINE	BDL	10
DIETHYL PHTHALATE	BDL	10
DIMETHYL PHTHALATE	BDL	10
DI-N-BUTYL PHTHALATE	BDL	10
2,4-DINITROTOLUENE	BDL	10
2,6-DINITROTOLUENE	BDL	10
DI-N-OCTYL PHTHALATE	BDL	10
1,2-DIPHENYLHYDRAZINE	BDL	10
FLUORANTHENE	BDL	10
FLUORENE	BDL	10
HEXACHLOROBENZENE	BDL	10
HEXACHLOROBUTADIENE	BDL	10
HEXACHLOROCYCLOPENTADIENE	BDL	10
HEXACHLOROETHANE	BDL	10
INDENO(1,2,3-CD)PYRENE	BDL	25
ISOPHORONE	BDL	10
NAPHTHALENE	BDL	10
NITROBENZENE	BDL	10

[illegible]	[illegible]	[illegible]
NITROBENZENE	BDL	10
N-NITROSODIMETHYLAMINE	BDL	10
N-NITROSODI-N-PROPYLAMINE	BDL	10
N-NITROSODIPHENYLAMINE	BDL	10
PHENANTHRENE	BDL	10
PYRENE	BDL	10
1,2,4-TRICHLOROBENZENE	BDL	10

ACID EXTRACTABLE ORGANICS	CONCENTRATION(UG/L)	DETECTION LIMIT(UG/L)
2-CHLOROPHENOL	BDL	25
2,4-DICHLOROPHENOL	BDL	25
2,4-D METHYLPHENOL	BDL	25
4,6-DINITRO-O-CRESOL	BDL	250
2,4-DINITROPHENOL	BDL	250
2-NITROPHENOL	BDL	25
4-NITROPHENOL	BDL	25
P-CHLORO-M-CRESOL	BDL	25
PENTACHLOROPHENOL	BDL	25
PHENOL	BDL	25
2,4,6-TRICHLOROPHENOL	BDL	25
		25

PESTICIDES/PCB'S		
ALDRIN	BDL	10
A-BHC	BDL	10
B-BHC	BDL	10
G-BHC	BDL	10
D-BHC	BDL	10
CHLORDANE	BDL	10
4,4' DDT	BDL	10
4,4'-DDE	BDL	10
4,4'-DDD	BDL	10
DIELDRIN	BDL	10
A-ENDOSULFAN	BDL	10
B-ENDOSULFAN	BDL	10
ENDOSULFAN SULFATE	BDL	10
ENDRIN	BDL	10
ENDRIN ALDEHYDE	BDL	10
HEPTACHLOR	BDL	10
HEPTACHLOR EPOXIDE	BDL	[illegible]

HEPTACHLOR	BDL	10
HEPTACHLOR EPOXIDE	BDL	10
PCB-1242	BDL	10
PCB-1254	BDL	10
PCB-1221	BDL	10
PCB-1232	BDL	10
PCB-1248	BDL	10
PCB-1260	BDL	10
PCB-1016	BDL	10
TOXAPHENE	BDL	10
		10

D

METAL PRIORITY POLLUTANTS CONCENTRATION (UG/L)

ANTIMONY	BDL	50
ARSENIC	BDL	2
BERYLLIUM	BDL	50
CADMIUM	54	10
CHROMIUM	32	25
COPPER	BDL	25
LEAD	260	50
MERCURY	BDL	.2
NICKEL	30	50
SELENIUM	BDL	50
SILVER	BDL	50
THALLIUM	BDL	10
ZINC	BDL	10

MISCELLANEOUS

CYANIDES	56.7	5
PHENOLS	7	5

BDL=BELOW DETECTABLE LIMIT

DONE

PROGRESS REPORT NO. 4
for
ACTIVITIES FOR FEBRUARY, 1984
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

March 28, 1984

Prepared for:

Engineering Facilities Division
Northern Division
Naval Facilities Engineering Command
Building 77-L, U.S. Naval Base
Philadelphia, PA 19112

Prepared by:

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Stamford, CT 06906

Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. DRAFT REPORT

The draft report was completed and submitted for review and comment.

PROGRESS REPORT NO. 5
for
ACTIVITIES FOR MARCH, 1984
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

April 13, 1984

Prepared for:

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Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. DRAFT REPORT

A meeting was attended on March 27, 1984 at the Naval Education and Training Center to discuss the recommendations and other details of the draft report. Revisions to the draft report will be prepared in April, 1984 upon receipt of written comments from the Government. Under terms of the A/E contract, the draft report phase of the work is 100 percent complete; however, it was agreed that the revised draft report would be resubmitted with the Characterization Step Work Plan as supporting documentation.

B. CHARACTERIZATION STEP WORK PLAN

The Work Plan is scheduled for submission in early May along with a revised draft report and budget cost estimate of the work.

PROGRESS REPORT NO. 6
for
ACTIVITIES FOR APRIL, 1984
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

May 14, 1984

Prepared for:

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Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. DRAFT REPORT

Work was started on revisions to the draft report following receipt of written comments from the Government. Work was also started on preparation of an executive summary of the report. The revised draft report and the summary are scheduled for submission to the Government on May 9, 1984.

B. CHARACTERIZATION STEP WORK PLAN

The Work Plan is scheduled for submission following approval of the proposed characterization program in the revised draft report.

PROGRESS REPORT NO. 7
for
ACTIVITIES FOR MAY, 1984
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

June 14, 1984

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One Research Drive
Stamford, CT 06906

Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. DRAFT REPORT

Revisions to the draft report and preparation of an executive summary of the report were completed and these documents were submitted to the Government on May 9, 1984.

B. CHARACTERIZATION STEP PLAN OF ACTION

The Plan of Action for the characterization step is scheduled for submission in June. A presentation of the Plan of Action is also scheduled for June.

PROGRESS REPORT NO. 8
for
ACTIVITIES FOR June, 1984
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

July 13, 1984

Prepared for:

Northern Division
Naval Facilities Engineering Command
Building 77-L, U.S. Naval Base
Philadelphia, PA 19112

Prepared by:

Loureiro Engineering Associates
10 Tower Lane
Avon, CT 06001

and

York Wastewater Consultants
One Research Drive
Stamford, CT 06906

Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. CHARACTERIZATION STEP PLAN OF ACTION

The Plan of Action was submitted and a meeting was held at NETC to discuss the Plan.

B. AMENDMENT OF A/E CONTRACT

It was decided at the meeting at NETC that an amendment to the A/E contract would be required to cover the changes in the program from that originally included in the contract.

EPA DESIGNATED PRIORITY POLLUTANTS

YORK LABORATORIES
DIV. OF YWC, INC.

METHODOLOGY:EPA624

CLIENT: LEA/USNAVY NEWPORT . DATE:1/84 DESCRIPTION: 01-08-LWA THROUGH LWE
JOB NO.:01-6191 NETC

VOLATILE ORGANICS	CONCENTRATION(UG/L)	DETECTION LIMIT (UG/L)
ACROLEIN	BDL	100
ACRYLONITRILE	BDL	100
BENZENE	BDL	10
BIS(CHLOROMETHYL)ETHER	BDL	10
BROMOFORM	BDL	10
CARBON TETRACHLORIDE	BDL	10
CHLOROBENZENE	BDL	10
CHLORODIBROMOMETHANE	BDL	10
CHLOROETHANE	BDL	10
CHLOROETHYLVINYL ETHER	BDL	10
CHLOROFORM	BDL	10
DICHLOROBROMOMETHANE	BDL	10
DICHLORODIFLUOROMETHANE	BDL	10
DICHLOROETHANE(1.1)	BDL	10
DICHLOROETHANE(1.2)	BDL	10
DICHLOROETHYLENE(1.1)	BDL	10
DICHLOROPROPANE(1.2)	BDL	10
DICHLOROPROPYLENE(1.3)	BDL	10
EHTYLBENZENE	BDL	10
METHYL BROMIDE	BDL	10
METHYL CHLORIDE	BDL	10
METHYLENE CHLORIDE	BDL	10
1.1 2.2-TETRACHLOROETHANE	BDL	10
TETRACHLOROETHYLENE	BDL	10
TOLUENE	BDL	10
1.2-TRANS-DICHLOROETHYLENE	BDL	10
1.1.1-TRICHLOROETHANE	BDL	10
1.1.2-TRICHLOROETHANE	BDL	10
TRICHLOROEHTYLENE	BDL	10
TRICHLOROFLUOROMETHANE	BDL	10
VINYL CHLORIDE	BDL	

	CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
BASE/NEUTRAL EXTRACTABLE ORGANICS		
ACENAPHTHENE	BDL	10
ACENAPHTHYLENE	BDL	10
ANTHRACENE	BDL	10
BENZIDINE	BDL	10
BENZO(A)ANTHRACENE	BDL	10
BENZO(A)PYRENE	BDL	10
3,4-BENZOFLUORANTHENE	BDL	10
BENZO(GHI)PERYLENE	BDL	25
BENZO(K)FLUORANTHENE	BDL	10
BIS(2-CHLOROETHOXY)METHANE	BDL	10
BIS(2-CHLOROETHYL)ETHER	BDL	10
BIS(2-CHLOROISOPROPYL)ETHER	BDL	10
BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10
4-BROMOPHENYL PHENYL ETHER	BDL	10
BUTYL BENZYL PHTHALATE	BDL	10
2-CHLORONAPHTHALENE	BDL	10
4-CHLOROPHENYL PHENYL ETHER	BDL	10
CHRYSENE	BDL	10
DIBENZO(A,H)ANTHRACENE	BDL	25
1,2-DICHLOROBENZENE	BDL	10
1,3-DICHLOROBENZENE	BDL	10
1,4-DICHLOROBENZENE	BDL	10
3,3'-DICHLOROBENZIDINE	BDL	10
DIETHYL PHTHALATE	BDL	10
DIMETHYL PHTHALATE	BDL	10
DI-N-BUTYL PHTHALATE	BDL	10
2,4-DINITROTOLUENE	BDL	10
2,6-DINITROTOLUENE	BDL	10
DI-N-OCTYL PHTHALATE	BDL	10
1,2-DIPHENYLHYDRAZINE	BDL	10
FLUORANTHENE	BDL	10
FLUORENE	BDL	10
HEXACHLOROBENZENE	BDL	10
HEXACHLOROBUTADIENE	BDL	10
HEXACHLOROCYCLOPENTADIENE	BDL	10
HEXACHLOROETHANE	BDL	10
INDENO(1,2,3-CD)PYRENE	BDL	25
ISOPHORONE	BDL	10

NAPHTHALENE	BDL	10
NITROBENZENE	BDL	10
N-NITROSODIMETHYLAMINE	BDL	10
N-NITROSODI-N-PROPYLAMINE	BDL	10
N-NITROSODIPHENYLAMINE	BDL	10
PHENANTHRENE	BDL	10
PYRENE	BDL	10
1,2,4 TRICHLOROBENZENE	BDL	10

ACID EXTRACTABLE ORGANICS	CONCENTRATION(UG/L)	DETECTION LIMIT(UG/L)
2-CHLOROPHENOL	BDL	25
2,4 DICHLOROPHENOL	BDL	25
2,4-D METHYLPHENOL	BDL	25
4,6-DINITRO-O-CRESOL	BDL	250
2,4-D NITROPHENOL	BDL	250
2-NITROPHENOL	BDL	25
4-NITROPHENOL	BDL	25
P-CHLORO-M-CRESOL	BDL	25
PENTACHLOROPHENOL	BDL	25
PHENOL	BDL	25
2,4,6-TRICHLOROPHENOL	BDL	25
		25

PESTICIDES/PCB'S		
ALDRIN	BDL	10
A-BHC	BDL	10
B-BHC	BDL	10
G-BHC	BDL	10
D-BHC	BDL	10
CHLORDANE	BDL	10
4,4' DDT	BDL	10
4,4'-DDE	BDL	10
4,4' DDD	BDL	10
DIELDRIN	BDL	10
A-ENDOSULFAN	BDL	10
B-ENDOSULFAN	BDL	10
ENDOSULFAN SULFATE	BDL	10
ENDRIN	BDL	10
ENDRIN ALDEHYDE	BDL	10
HEPTACHLOR	BDL	10

HEPTACHLOR EPOXIDE	BDL	10
PCB-1242	BDL	10
PCB-1254	BDL	10
PCB-1221	BDL	10
PCB-1232	BDL	10
PCB-1248	BDL	10
PCB-1260	BDL	10
PCB-1016	BDL	10
TOXAPHENE	BDL	10
		10

METAL PRIORITY POLLUTANTS CONCENTRATION (UG/L)

ANTIMONY	BDL	50
ARSENIC	BDL	2
BERYLLIUM	BDL	50
CADMIUM	58	10
CHROMIUM	26	25
COPPER	BDL	25
LEAD	222	50
MERCURY	BDL	.2
NICKEL	72	50
SELENIUM	BDL	50
SILVER	BDL	50
THALLIUM	BDL	10
ZINC	BDL	10

MISCELLANEOUS

CYANIDES	378	5
PHENOLS	16	5

BDL=BELOW DETECTABLE LIMIT

DONE

METHODOLOGY:EPA 8240AND 525

PTION: 01-08-LDA THROUGH LDE

DETECTION LIMIT (UG/L)

100
100
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DETECTION LIMIT (UG/L)

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PROGRESS REPORT NO. 9
for
ACTIVITIES FOR SEPTEMBER, 1984
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

October 12, 1984

Prepared for:

Northern Division
Naval Facilities Engineering Command
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Philadelphia, PA 19112

Prepared by:

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and

York Wastewater Consultants
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Stamford, CT 06906

Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. DIG-SAFE PERMIT APPLICATIONS

Dig-Safe Permit applications were prepared and submitted to the NETC Public Works Department and to the regional Dig-Safe in Burlington, MA on August 23, 1984. The NETC Public Works Department approved the applications.

The regional Dig-Safe application was forwarded to the Providence Gas Co., the Algonquin Gas Transmission Co. and the New England Telephone Co.

B. PREPARATION FOR SAMPLING

Based on the Characterization Step Plan of Action and the Safety Plan, the necessary equipment and supplies were assembled including inflatable boat, sampling equipment, sample containers and preservatives, personnel protective equipment, first aid supplies and sample custody forms. Clarence Welti Associates was engaged to install monitoring wells.

C. COLLECTION OF SAMPLES

Samples were ~~collected~~ as shown in the Plan of Action on September 10 through 12, 1984, with the following exceptions:

THIS DOESN'T MAKE MUCH SENSE!

Site No.	Name	Exception
2	Melville North Landfill	No excavations were made at stations 13 and 17 to 29 because no oily materials were found at Stations 07, 09, 10, 11, 12, 15, and 16. Samples were collected at Stations 08 and 31 and held for future examination if necessary; Station 31 was located 30' west of Station 16.
12	Tank Farm Four	For logistical reasons, sampling stations were changed to the following:

(14?)

Station No.	Tank No.
12	37
13	39
14	45
15	38
16	46
17	47

D. MONITORING WELLS

Seven monitoring wells were installed in the approximate locations shown in the Plan of Action, except that at Site 01, McAllister Point Landfill, the upgradient well (01-23) was moved east to the east side of Defense Highway onto cemetery property. Permission for this was obtained by Martin Dwyer of the NETC Public Works Department. Well logs will be submitted when received from Clarence Welti Associates.

TABLE

SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 01 - McALLISTER POINT LANDFILL

NO.	STA	TYPE	TIME	ANALYSIS FOR*
			9-11-84	
2959	20	Sediment (0-4)	9:20 AM	Metals, EP Toxic Metals, Cyanide
2960	18	Sediment (0-4)	9:30	Metals, EP Toxic Metals, Cyanide
2961	15	Sediment (0-4)	9:40	Metals, EP Toxic Metals, Cyanide
2962	16	Sediment (0-4)	9:50	Metals, EP Toxic Metals, Cyanide
2963	19	Sediment (0-4)	10:00	Metals, EP Toxic Metals, Cyanide
2964	17	Sediment (0-4)	10:20	Metals, EP Toxic Metals, Cyanide
2965	14	Sediment (0-4)	10:30	Metals, EP Toxic Metals, Cyanide
2976	14	Mussels	2:00 PM	Metals
2977	13	Mussels	2:30	Metals
2978	12	Mussels	3:00	Metals

* Metals = Lead, copper, chromium, nickel

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 02 - MELVILLE NORTH LANDFILL

NO.	STA	TYPE	TIME	ANALYSIS FOR
			9-10-84	
2957	31	Soil	6:00 PM	
2958	08	Soil	6:30	

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 07 - TANK FARM ONE

NO.	STA	OK	TYPE	TIME	ANALYSIS FOR
				9-12-84	
2991	02	✓	Soil	1:45 PM	*
2992	02	?	Soil	1:45	**
2993	01	✓	Soil	2:15	*
2994	01	?	Soil	2:15	**
2995	05	✓	Soil	2:45	*
2996	05	?	Soil	2:45	**

* Characteristic fingerprint
** No analysis conducted

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 12 - TANK FARM FOUR

NO.	STA	TYPE	TIME	ANALYSIS FOR
			9-12-84	
2979	13	Water - Tank 39	9:00 AM	*
2980	13	Water - Tank 39	9:05	*
2981	15	Water - Tank 38	9:45	*
2982	15	Water - Tank 38	9:50	*
2983	12	Water - Tank 37	10:00	*
2984	12	Water - Tank 37	10:05	*
2985	14	Water - Tank 45	10:30	*
2986	14	Water - Tank 45	10:35	*
2987	16	Water - Tank 46	11:00	*
2988	16	Water - Tank 46	11:05	*
2989	17	Water - Tank 47	11:30	*
2990	17	Water - Tank 47	11:35	*

NOTE: All water samples were collected at the bottom of the tank.

* Lead, petroleum based hydrocarbons, pH, total suspended solids, BOD, ammonia (the two bottles from each tank were mixed together before analysis)

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 14 - GOULD ISLAND DISPOSAL AREA

NO.	STA	TYPE	TIME	ANALYSIS FOR*
			9-11-84	
2966	08	Sediment (0-4)	1:20 PM	Metals, EP Toxic Metals, Cyanide
2967	10	Sediment (0-4)	1:40	Metals, EP Toxic Metals, Cyanide
2968	07	Sediment (0-4)	1:50	Metals, EP Toxic Metals, Cyanide
2969	09	Sediment (0-4)	2:05	Metals, EP Toxic Metals, Cyanide
2970	06	Sediment (0-4)	2:15	Metals, EP Toxic Metals, Cyanide
2971	04	Sediment (0-4)	2:30	Metals, EP Toxic Metals, Cyanide
2972	05	Sediment (0-4)	2:40	Metals, EP Toxic Metals, Cyanide
2973	04	Mussels	2:40	Metals
2974	05	Mussels	3:00	Metals

* Metals = Lead, copper, chromium, nickel

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 17 - GOULD ISLAND ELECTROPLATING SHOP

NO.	STA	TYPE	TIME	ANALYSIS FOR*
			9-11-84	
2975	02	Mussels	4:00 PM	Metals

* Metals = Lead, Copper, Chromium, Nickel

TABLE

CONTROL SAMPLES COLLECTED - CHARACTERIZATION STEP

NO.	STA	TYPE	TIME	ANALYSIS FOR*
			9-12-84	
2997	N1	Mussels	2:30 PM	Metals
2998	N2	Mussels	4:00	Metals

* Metals = Lead, Copper, Chromium, Nickel

PROGRESS REPORT NO. 10
for
ACTIVITIES FOR OCTOBER, 1984
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

November 7, 1984

Prepared for:

Northern Division
Naval Facilities Engineering Command
Building 77-L, U.S. Naval Base
Philadelphia, PA 19112

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Stamford, CT 06906

Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. LABORATORY ANALYSES

Upon delivery of the first round characterization step samples to the laboratory, the samples were transferred to the sample custodian. The samples were logged in and preliminary sample preparation was conducted as required. Although some testing has been completed, no laboratory reports have been processed to completion at this time. All reports on analyses of all first round samples are scheduled for completion in November, 1984.

B. SECOND ROUND SAMPLING

The second round of sampling for the characterization step is scheduled for November.

PROGRESS REPORT NO. 11
for
ACTIVITIES FOR NOVEMBER, 1984
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

December 13, 1984

Prepared for:

Northern Division
Naval Facilities Engineering Command
Building 77-L, U.S. Naval Base
Philadelphia, PA 19112

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Stamford, CT 06906

Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. COLLECTION OF SAMPLES

Groundwater samples and special purpose samples (second round samples) were collected as shown in the Plan of Action for McAllister Point Landfill, Tank Farm-One, and Tank Farm Four with the following exceptions:

Site No.	Name	Exception
07	Tank Farm One	No sample could be obtained at Station NO. 03 because the locked hinged cover for the well had been replaced with an immovable concrete slab, apparently by the Town of Portsmouth.

B. LABORATORY ANALYSES

Upon delivery of the second round characterization step samples to the laboratory, the samples were transferred to the sample custodian. The samples were logged in and preliminary sample preparation was conducted as required. Although some testing has been completed, no laboratory reports have been processed to completion at this time. All reports on analyses of all first round samples have been received and are being reviewed; copies will be forwarded with the next progress report.

C. THIRD ROUND SAMPLING

The third round of sampling for the characterization step is scheduled for the week of December 17.

TABLE

SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 01 - McALLISTER POINT LANDFILL

NO.	STA	TYPE	TIME	ANALYSIS FOR*
			9-11-84	
2959	20	Sediment (0-4)	9:20 AM	Metals, EP Toxic Metals, Cyanide
2960	18	Sediment (0-4)	9:30	Metals, EP Toxic Metals, Cyanide
2961	15	Sediment (0-4)	9:40	Metals, EP Toxic Metals, Cyanide
2962	16	Sediment (0-4)	9:50	Metals, EP Toxic Metals, Cyanide
2963	19	Sediment (0-4)	10:00	Metals, EP Toxic Metals, Cyanide
2964	17	Sediment (0-4)	10:20	Metals, EP Toxic Metals, Cyanide
2965	14	Sediment (0-4)	10:30	Metals, EP Toxic Metals, Cyanide
2976	14	Mussels	2:00 PM	Metals
2977	13	Mussels	2:30	Metals
2978	12	Mussels	3:00	Metals
			11-20-84	
6797	21	Groundwater	12:50 PM	Cyanide
6798	21	Groundwater	12:50	Metals
6799	21	Groundwater	12:50	pH, Chlorides
6800	22	Groundwater	12:15	Cyanide
6801	22	Groundwater	12:15	Metals
6802	22	Groundwater	12:15	pH, Chlorides
6803	23	Groundwater	3:25	Cyanide
6804	23	Groundwater	3:25	Metals
6805	23	Groundwater	3:25	pH, Chlorides

* Metals = Lead, copper, chromium, nickel

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 07 - TANK FARM ONE

NO.	STA	TYPE	TIME	ANALYSIS FOR
			9-12-84	
2991	02	Soil	1:45 PM	*
2992	02	Soil	1:45	**
2993	01	Soil	2:15	*
2994	01	Soil	2:15	**
2995	05	Soil	2:45	*
2996	05	Soil	2:45	**
			11-21-84	
6811	07	Groundwater	8:30 AM	PBHC
6812	07	Groundwater	8:30	***
6813	06	Groundwater	8:55	PBHC
6814	06	Groundwater	8:55	***
6815	08	Oil-water Separator Effluent	9:15	PBHC
6816	08	Oil-water Separator Effluent	9:15	***
6817	04	Groundwater	9:25	PBHC
6818	04	Groundwater	9:25	***

* Characteristic fingerprint
** No analysis conducted
*** Characteristic fingerprint and BTX

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 12 - TANK FARM FOUR

NO.	STA	TYPE	TIME	ANALYSIS FOR
			9-12-84	
2979	13	Water - Tank 39	9:00 AM	*
2980	13	Water - Tank 39	9:05	*
2981	15	Water - Tank 38	9:45	*
2982	15	Water - Tank 38	9:50	*
2983	12	Water - Tank 37	10:00	*
2984	12	Water - Tank 37	10:05	*
2985	14	Water - Tank 45	10:30	*
2986	14	Water - Tank 45	10:35	*
2987	16	Water - Tank 46	11:00	*
2988	16	Water - Tank 46	11:05	*
2989	17	Water - Tank 47	11:30	*
2990	17	Water - Tank 47	11:35	*
			11-20-84	
6826	10	Groundwater	5:00 PM	PBHC
6827	10	Groundwater	5:00	Lead
6828	11	Groundwater	4:40	PBHC
6829	11	Groundwater	4:40	Lead

NOTE: All water samples were collected at the bottom of the tank.

* Lead, petroleum based hydrocarbons, pH, total suspended solids, BOD, ammonia (the two bottles from each tank were mixed together before analysis)

PROGRESS REPORT NO. 12
for
ACTIVITIES FOR DECEMBER, 1984
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

January 14, 1985

Prepared for:

Northern Division
Naval Facilities Engineering Command
Building 77-L, U.S. Naval Base
Philadelphia, PA 19112

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York Wastewater Consultants
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Stamford, CT 06906

Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. COLLECTION OF SAMPLES

Groundwater samples and special purpose samples (third round samples) were collected as shown in the Plan of Action for McAllister Point Landfill, Tank Farm-One, and Tank Farm Four with the following exception:

Site No.	Name	Exception
07	Tank Farm One	No sample could be obtained at Station No. 03 because the locked hinged cover for the well had been replaced with an immovable concrete slab, apparently by the Town of Portsmouth.

B. LABORATORY ANALYSES

Upon delivery of the third round characterization step samples to the laboratory, the samples were transferred to the sample custodian. The samples were logged in and preliminary sample preparation was conducted as required. Although some testing has been completed, no laboratory reports have been processed to completion at this time. All reports on analyses of first round samples have been forwarded.

C. FOURTH AND FIFTH ROUND SAMPLING

The fourth and fifth rounds of sampling for the characterization step are scheduled for the weeks of January 7 and 28, 1985.

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 01 - McALLISTER POINT LANDFILL

NO.	STA	TYPE	TIME	ANALYSIS FOR*
			9-11-84	
2959	20	Sediment (0-4)	9:20 AM	Metals, EP Toxic Metals, Cyanide
2960	18	Sediment (0-4)	9:30	Metals, EP Toxic Metals, Cyanide
2961	15	Sediment (0-4)	9:40	Metals, EP Toxic Metals, Cyanide
2962	16	Sediment (0-4)	9:50	Metals, EP Toxic Metals, Cyanide
2963	19	Sediment (0-4)	10:00	Metals, EP Toxic Metals, Cyanide
2964	17	Sediment (0-4)	10:20	Metals, EP Toxic Metals, Cyanide
2965	14	Sediment (0-4)	10:30	Metals, EP Toxic Metals, Cyanide
2976	14	Mussels	2:00 PM	Metals
2977	13	Mussels	2:30	Metals
2978	12	Mussels	3:00	Metals
			11-20-84	
6797	21	Groundwater	12:50 PM	Cyanide
6798	21	Groundwater	12:50	Metals
6799	21	Groundwater	12:50	pH, Chlorides
6800	22	Groundwater	12:15	Cyanide
6801	22	Groundwater	12:15	Metals
6802	22	Groundwater	12:15	pH, Chlorides
6803	23	Groundwater	3:25	Cyanide
6804	23	Groundwater	3:25	Metals
6805	23	Groundwater	3:25	pH, Chlorides
			12-17-84	
6843	23	Groundwater	1:50 PM	Cyanide
6844	23	Groundwater	1:50	Metals
6845	23	Groundwater	1:50	pH, Chlorides
6850	22	Groundwater	4:50	Cyanide
6851	22	Groundwater	4:50	Metals
6852	22	Groundwater	4:50	pH, Chlorides
			12-18-84	
6853	21	Groundwater	9:45 AM	Cyanide
6854	21	Groundwater	9:45	Metals
6855	21	Groundwater	9:45	pH, Chlorides

* Metals = Lead, copper, chromium, nickel

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 07 - TANK FARM ONE

NO.	STA	TYPE	TIME	ANALYSIS FOR
			9-12-84	
2991	02	Soil	1:45 PM	*
2992	02	Soil	1:45	**
2993	01	Soil	2:15	*
2994	01	Soil	2:15	**
2995	05	Soil	2:45	*
2996	05	Soil	2:45	**
			11-21-84	
6811	07	Groundwater	8:30 AM	PBHC
6812	07	Groundwater	8:30	***
6813	06	Groundwater	8:55	PBHC
6814	06	Groundwater	8:55	***
6815	08	Oil-water Separator Effluent	9:15	PBHC
6816	08	Oil-water Separator Effluent	9:15	***
6817	04	Groundwater	9:25	PBHC
6818	04	Groundwater	9:25	***
			12-17-84	
6831	06	Groundwater	8:55 AM	PBHC
6832	06	Groundwater	8:55	***
6833	06	Groundwater	8:55	***
6834	07	Groundwater	9:20	PBHC
6835	07	Groundwater	9:20	***
6836	07	Groundwater	9:20	***
6837	08	Oil-water Separator Effluent	9:40	PBHC
6838	08	Oil-water Separator Effluent	9:40	***
6839	08	Oil-water Separator Effluent	9:40	***
6840	04	Groundwater	10:00	PBHC
6841	04	Groundwater	10:00	***
6842	04	Groundwater	10:00	***

* Characteristic fingerprint
** No analysis conducted
*** Characteristic fingerprint and BTX

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 12 - TANK FARM FOUR

NO.	STA	TYPE	TIME	ANALYSIS FOR
			9-12-84	
2979	13	Water - Tank 39	9:00 AM	*
2980	13	Water - Tank 39	9:05	*
2981	15	Water - Tank 38	9:45	*
2982	15	Water - Tank 38	9:50	*
2983	12	Water - Tank 37	10:00	*
2984	12	Water - Tank 37	10:05	*
2985	14	Water - Tank 45	10:30	*
2986	14	Water - Tank 45	10:35	*
2987	16	Water - Tank 46	11:00	*
2988	16	Water - Tank 46	11:05	*
2989	17	Water - Tank 47	11:30	*
2990	17	Water - Tank 47	11:35	*
			11-20-84	
6826	10	Groundwater	5:00 PM	PBHC
6827	10	Groundwater	5:00	Lead
6828	11	Groundwater	4:40	PBHC
6829	11	Groundwater	4:40	Lead
			12-17-84	
6846	10	Groundwater	3:25 PM	PBHC
6847	10	Groundwater	3:25	Lead
6848	11	Groundwater	4:25	PBHC
6849	11	Groundwater	4:25	Lead

NOTE: All water samples were collected at the bottom of the tank.

* Lead, petroleum based hydrocarbons, pH, total suspended solids, BOD, ammonia (the two bottles from each tank were mixed together before analysis)

PROGRESS REPORT NO. 13
for
ACTIVITIES FOR JANUARY, 1985
for
CONFIRMATION STUDY ON
HAZARDOUS WASTE SITES
at
NAVAL EDUCATION AND TRAINING CENTER
NEWPORT, R.I.

February 15, 1985

Prepared for:

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Comm. No. 502-10

A/E Contract No. N62472-83-C-1154

A. COLLECTION OF SAMPLES

Groundwater samples and special purpose samples (fourth and fifth round samples) were collected as shown in the Plan of Action for McAllister Point Landfill, Tank Farm-One, and Tank Farm Four with the following exception:

Site No.	Name	Exception
07	Tank Farm One	No sample could be obtained at Station No. 03 because the locked hinged cover for the well had been replaced with an immovable concrete slab, apparently by the Town of Portsmouth.

B. LABORATORY ANALYSES

Upon delivery of the fourth and fifth round characterization step samples to the laboratory, the samples were transferred to the sample custodian. The samples were logged in and preliminary sample preparation was conducted as required. Although some testing has been completed, no laboratory reports have been processed to completion at this time.

C. DRAFT REPORT

The draft report on the characterization step has been outlined and sections pertinent to introductory items and the sampling program were written. The draft report is scheduled for completion in March, 1985.

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 01 - McALLISTER POINT LANDFILL

NO.	STA	TYPE	TIME	ANALYSIS FOR*
			1-07-85	
0631	23	Groundwater	8:25 AM	Cyanide
2	23	Groundwater	8:25 AM	Metals
3	23	Groundwater	8:25 AM	pH, Chlorides
4	23	Groundwater	8:25 AM	pp - Vol. organics
5	23	Groundwater	8:25 AM	pp - Vol. organics
6	23	Groundwater	8:25 AM	pp - Acid/BN
7	23	Groundwater	8:25 AM	pp - Acid/BN
8	23	Groundwater	8:25 AM	Phenols
0639	21	Groundwater	4:20 PM	Cyanide
40	21	Groundwater	4:20 PM	Metals
1	21	Groundwater	4:20 PM	pH, Chlorides
2	21	Groundwater	4:20 PM	pp - Vol. organics
3	21	Groundwater	4:20 PM	pp - Vol. organics
4	21	Groundwater	4:20 PM	pp - Acid/BN
5	21	Groundwater	4:20 PM	pp - Acid/BN
6	21	Groundwater	4:20 PM	Phenols
			1-08-85	
0647	22	Groundwater	10:00 AM	Cyanide
8	22	Groundwater	10:00 AM	Metals
9	22	Groundwater	10:00 AM	pH, Chlorides
50	22	Groundwater	10:00 AM	pp - Vol. organics
1	22	Groundwater	10:00 AM	pp - Vol. organics
2	22	Groundwater	10:00 AM	pp - Acid/BN
3	22	Groundwater	10:00 AM	pp - Acid/BN
4	22	Groundwater	10:00 AM	Phenols
			1-28-85	
7001	23	Groundwater	8:50 AM	pH, Chlorides
2	23	Groundwater	8:50 AM	Cyanide
3	23	Groundwater	8:50 AM	Metals
21	22	Groundwater	2:30 PM	Cyanide
2	22	Groundwater	2:30 PM	Metals
3	22	Groundwater	2:30 PM	pH, Chlorides
4	21	Groundwater	2:50 PM	Cyanide
5	21	Groundwater	2:50 PM	Metals
6	21	Groundwater	2:50 PM	pH, Chlorides

* Metals = Lead, copper, chromium, nickel

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 07 - TANK FARM ONE

NO.	STA	TYPE	TIME	ANALYSIS FOR
			9-12-84	
2991	02	Soil	1:45 PM	*
2992	02	Soil	1:45	**
2993	01	Soil	2:15	*
2994	01	Soil	2:15	**
2995	05	Soil	2:45	*
2996	05	Soil	2:45	**
			11-21-84	
6811	07	Groundwater	8:30 AM	PBHC
6812	07	Groundwater	8:30	***
6813	06	Groundwater	8:55	PBHC
6814	06	Groundwater	8:55	***
6815	08	Oil-water Separator Effluent	9:15	PBHC
6816	08	Oil-water Separator Effluent	9:15	***
6817	04	Groundwater	9:25	PBHC
6818	04	Groundwater	9:25	***
			12-17-84	
6831	06	Groundwater	8:55 AM	PBHC
6832	06	Groundwater	8:55	***
6833	06	Groundwater	8:55	***
6834	07	Groundwater	9:20	PBHC
6835	07	Groundwater	9:20	***
6836	07	Groundwater	9:20	***
6837	08	Oil-water Separator Effluent	9:40	PBHC
6838	08	Oil-water Separator Effluent	9:40	***
6839	08	Oil-water Separator Effluent	9:40	***
6840	04	Groundwater	10:00	PBHC
6841	04	Groundwater	10:00	***
6842	04	Groundwater	10:00	***

* Characteristic fingerprint
** No analysis conducted
*** Characteristic fingerprint and BTX

TABLE (Cont'd)
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 07 - TANK FARM ONE

NO.	STA	TYPE	TIME	ANALYSIS FOR
			1-07-85	
0661	06	Groundwater	11:00 AM	PBHC
2	06	Groundwater	11:00 AM	***
3	06	Groundwater	11:00 AM	***
4	07	Groundwater	11:20 AM	PBHC
5	07	Groundwater	11:20 AM	***
0672	07	Groundwater	11:20 AM	***
0666	08	Oil-water separator effluent	1:25 PM	PBHC
7	08	Oil-water separator effluent	1:25 PM	***
8	08	Oil-water separator effluent	1:25 PM	***
9	04	Groundwater	1:45 PM	PBHC
70	04	Groundwater	1:45 PM	***
1	04	Groundwater	1:45 PM	***
			1-28-85	
2004	08	Oil-water separator effluent	9:35 AM	PBHC
5	08	Oil-water separator effluent	9:35 AM	***
6	08	Oil-water separator effluent	9:35 AM	***
7	08	Oil-water separator effluent	9:35 AM	***
8	04	Groundwater	9:50 AM	PBHC
9	04	Groundwater	9:50 AM	***
10	04	Groundwater	9:50 AM	***
11	04	Groundwater	9:50 AM	***
7014	07	Groundwater	11:00 AM	PBHC
5	07	Groundwater	11:00 AM	***
6	07	Groundwater	11:00 AM	***
31	07	Groundwater	11:00 AM	***
7017	06	Groundwater	11:15 AM	PBHC
8	06	Groundwater	11:15 AM	***
9	06	Groundwater	11:15 AM	***
20	06	Groundwater	11:15 AM	***

* Characteristic fingerprint
** No analysis conducted
*** Characteristic fingerprint and BTX

TABLE
SAMPLES COLLECTED - CHARACTERIZATION STEP

SITE NO. 12 - TANK FARM FOUR

NO.	STA	TYPE	TIME	ANALYSIS FOR
			9-12-84	
2979	13	Water - Tank 39	9:00 AM	*
2980	13	Water - Tank 39	9:05	*
2981	15	Water - Tank 38	9:45	*
2982	15	Water - Tank 38	9:50	*
2983	12	Water - Tank 37	10:00	*
2984	12	Water - Tank 37	10:05	*
2985	14	Water - Tank 45	10:30	*
2986	14	Water - Tank 45	10:35	*
2987	16	Water - Tank 46	11:00	*
2988	16	Water - Tank 46	11:05	*
2989	17	Water - Tank 47	11:30	*
2990	17	Water - Tank 47	11:35	*
			11-20-84	
6826	10	Groundwater	5:00 PM	PBHC
6827	10	Groundwater	5:00	Lead
6828	11	Groundwater	4:40	PBHC
6829	11	Groundwater	4:40	Lead
			12-17-84	
6846	10	Groundwater	3:25 PM	PBHC
6847	10	Groundwater	3:25	Lead
6848	11	Groundwater	4:25	PBHC
6849	11	Groundwater	4:25	Lead
			1-17-85	
0676	10	Groundwater	3:05 PM	PBHC
7	10	Groundwater	3:05 PM	Lead
8	11	Groundwater	4:50 PM	PBHC
9	11	Groundwater	4:50 PM	Lead
			1-28-85	
7027	10	Groundwater	4:00 PM	PBHC
8	10	Groundwater	4:00 PM	Lead
9	11	Groundwater	5:00 PM	PBHC
30	11	Groundwater	5:00 PM	Lead

NOTE: All water samples were collected at the bottom of the tank.

* Lead, petroleum based hydrocarbons, pH, total suspended solids, BOD, ammonia (the two bottles from each tank were mixed together before analysis)