United States Army

Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 2603 Charles Wood Area

> NJDEP UST Registration No. 81515-60 DICAR No. 98-04-16-1603-19

> > January 2002

United States Army

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UNDERGROUND STORAGE TANK CLOSURE AND SITE INVESTIGATION REPORT

BUILDING 2603

CHARLES WOOD AREA NJDEP UST REGISTRATION NO. 81515-60

JANUARY 2002

PREPARED FOR:

UNITED STATES ARMY, FORT MONMOUTH, NEW JERSEY DIRECTORATE OF PUBLIC WORKS BUILDING 167 FORT MONMOUTH, NJ 07703

PREPARED BY:



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PROJECT NO. 4936-127

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EXECUTIVE SUMMARY

UST Closure

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On April 14, 1998, a steel underground storage tank (UST) was closed by removal in accordance with New Jersey Department of Environmental Protection (NJDEP) closure procedures at the Charles Wood Area of the U.S. Army Fort Monmouth, Fort Monmouth, New Jersey. The UST, NJDEP Registration No. 0081515-60 (Fort Monmouth ID No. 2603) was located south of Building 2603. UST No. 0081515-60 was a 275-gallon tank containing diesel.

Site Assessment-Soil

The site assessment was performed by U.S. Army personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual.* The sampling and laboratory analyses conducted during the site assessment were performed in accordance with Section 7:26E-2.1 of the *Technical Requirements for Site Remediation.* Soils surrounding the tank were screened visually and with air monitoring equipment for evidence of contamination. Following removal, the UST was inspected for corrosion holes or punctures. No holes or punctures in the UST were noted. Stained soil was observed. Based on the inspection of the excavation, Directorate of Public Works (DPW) concluded that a discharge of petroleum products was associated with this UST. The NJDEP hotline was notified and the case was assigned DICAR No. 98-04-16-1603-19. Groundwater was encountered at 4.0 feet below ground surface and sheen was observed on groundwater.

Following the removal of the UST and approximately 225 cubic yards of potentially petroleum contaminated soil from the excavated area, post-excavation soil samples were collected from three (3) locations within the UST excavation area. All samples were analyzed for total petroleum hydrocarbons (TPHC), total solids, lead, and Volatile Organic Compounds (VOCs).

The excavation was re-opened February 24, 1999 in response to concern over the quality of surface water in the adjacent stream. Soil and groundwater contamination were observed. On March 2, 1999, water samples were collected from the open excavation and adjacent stream. Additional soil was removed from the former UST area and new post-excavation soil samples were collected. Steel sheeting was installed around the excavation to protect the stream from erosion and contamination migration.

Findings-Soil

Analytical results of post-excavation soil samples collected on April 14, 1998 contained concentrations of contaminants below the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC). TPH concentrations ranged from 489.55 mg/kg to 562.45 mg/kg.

Soil samples collected between April 2 and April 12, 1999 contained TPH concentrations

ranging from below the method detection limit to 2,509.85 mg/kg. Two samples, 2603-7 and 2603-8 exceeded the NJDEP guidance criteria of 1,000 mg/kg TPH. Consequently, both samples were analyzed for VOCs and SVOCs but contained no compounds above the NJDEP soil cleanup criteria.

Site Assessment -Groundwater

In response to the observation of potentially contaminated soil near the shallow water table, a 4-inch diameter monitoring well was installed at the site on July 28, 1999.

Since September 21, 1999 the monitoring well was has been sampled on a quarterly basis. The groundwater was analyzed for Metals, Pesticides/PCBs, VOCs, and SVOCs.

Findings-Groundwater

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A review of the historical groundwater analytical results indicates that concentrations of VOCs, SVOCs, Pesticides/PCBs are in compliance with NJDEP GWQS. As part of the long-term monitoring program for Building 2603, the levels of several metals including aluminum, arsenic, iron, lead, and manganese have been tracked over the last three years. Arsenic and lead complied with the NJDEP GWQS until the last round of sampling. Aluminum, iron, and manganese continue to be above the GWQS. These levels could be representative of background levels or could be the result of turbidity caused by the sampling method. Regardless, the groundwater at the site will continue to be monitored.

Conclusion and Recommendations

Based on the analytical results of the post-excavation soil samples collected between April 14, 1998 and May 1999, soil quality at the Building 2603 UST closure site does not exceed the NJDEP RDCSCC. Therefore, no further action is warranted.

Based on the analytical results of the groundwater samples collected between September 1999 and July 2001, groundwater quality at the Building 2603 UST closure site contains metals that do not comply with the New Jersey Groundwater Quality Standards.

Continued long term monitoring is proposed in regard to the closure and site assessment of UST No. 081515-60 at Building 2603.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

1.1 OVERVIEW

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One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 81515-60, was closed at Building 2603 at the Charles Wood area of U.S. Army Fort Monmouth, Fort Monmouth, New Jersey on April 14, 1998. Refer to the Site Location Map, Figure 1. This report presents the results of the Department of Public Works' (DPW) implementation of the UST Decommissioning/Closure Plan approved by the NJDEP. The UST was a steel 275-gallon tank containing diesel.

Decommissioning activities for UST No. 81515-60 complied with all applicable Federal, State, and Local laws and ordinances in effect at the date of decommissioning. These laws included but were not limited to N.J.A.C. 7:14B-1 et seq., N.J.A.C. 5:23-1 et seq., and Occupational Safety and Health Administration (OSHA) 1910.146 and 1910.120. All permits including but not limited to the NJDEP-approved Decommissioning/Closure Plan were posted onsite for inspection. The decommissioning activities were conducted by DPW personnel who are registered and certified by the NJDEP for performing UST closure activities. Closure of UST No. 81515-60 proceeded under the approval of the NJDEP Bureau of Federal Case Management (NJDEP-BFCM).

This UST Closure and Site Investigation Report has been prepared by Versar, to assist the U.S. Army DPW in complying with the NJDEP regulations. The applicable NJDEP regulations at the date of closure were the *Interim Closure Requirements for Underground Storage Tank Systems* (N.J.A.C. 7:14B-1 et seq. October 1990 and revisions dated November 1, 1991).

1.2 SITE DESCRIPTION

Building 2603 is located in the Charles Wood area of the Fort Monmouth Army Base. UST No. 0081515-60 was located east of Building 2603. A Site Map is provided as Figure 2.

1.2.1 Geological/Hydrogeological Setting

The following is a description of the geological/hydrogeological setting of the area surrounding Building 2603. Included is a description of the regional geology of the area surrounding Fort Monmouth as well as descriptions of the local geology and hydrogeology of the Charles Wood area.

Regional Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The Main Post, Charles Wood, and the Evans areas are located in what may be referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands.

According to Jablonski, wells drilled in the Red Bank and Tinton Sands may produce 2 to 25 gallons per minute (gpm). Some well owners have reported acidic water that requires treatment to remove iron.

Due to the proximity of the Atlantic Ocean to Fort Monmouth, shallow groundwater may be tidally influenced and may flow toward creeks and brooks as the tide goes out, and away from creeks and brooks as the tide comes in. However, an abundance of clay lenses and sand deposits were noted in borings installed throughout Fort Monmouth. Therefore the direction of shallow groundwater should be determined on a case by case basis.

1.3 HEALTH AND SAFETY

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Before, during, and after all decommissioning activities, hazards at the work site which may have posed a threat to the Health and Safety of all personnel who were involved with, or were affected by, the decommissioning of the UST system were minimized. All areas which posed or may have been suspected to pose a vapor hazard were monitored by a qualified individual utilizing an organic vapor analyzer (OVA). The individual ascertained if the area was properly vented to render the area safe, as defined by OSHA.

1.4 REMOVAL OF UNDERGROUND STORAGE TANK

1.4.1 General Procedures

- The contractor performing the closure prior to excavation activities identified all underground obstructions (utilities, etc.).
- All activities were carried out with the greatest regard to safety and health and the safeguarding of the environment.
- All excavated soils were visually examined and screened with an Organic Vapor Analyzer (OVA) for evidence of contamination. Potentially contaminated soils were identified and logged during closure activities.
- Surface materials (i.e., asphalt, concrete, etc.) were excavated and staged separately from all soil and recycled in accordance with all applicable regulations and laws.
- A Subsurface Evaluator from the DPW was present during all site assessment activities.

1.4.2 Underground Storage Tank Excavation and Cleaning

Prior to UST decommissioning activities, surficial soil was removed to expose the UST and associated piping. All free product present in the piping was drained into the UST and the UST was purged to remove vapors prior to cutting and removal of the piping. After removal of the associated piping, a manway was cut in the UST to allow for proper cleaning. The UST was completely emptied of all liquids prior to removal from the ground. Approximately

30 gallons of liquid from the UST and associated piping were transported by Lorco Petroleum Services to their facility, a NJDEP-approved petroleum recycling and disposal company located in Old Bridge, New Jersey. Refer to Appendix C for the waste manifest.

The UST was cleaned prior to removal from the excavation in accordance with the NJDEP regulations. After the UST was removed from the excavation, it was staged on polyethylene sheeting and examined for holes. No holes were observed during the inspection by the Sub-Surface Evaluator. Soils surrounding the UST were screened visually and with an OVA for evidence of contamination. Soils were stained and appeared contaminated. Soil screening was also performed along the piping associated with the UST. Groundwater was encountered at 4.0 feet below ground surface and sheen was observed on groundwater.

1.5 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The tank was transported in compliance with all applicable regulations and laws to Red Bank Recycling. Please refer to Appendix D for the UST Disposal Certificate.

The UST was labeled prior to transport with the following information:

- Site of origin
- Contact person
- NJDEP UST Facility ID number
- Former contents
- Destination site
- Date

1.6 MANAGEMENT OF EXCAVATED SOILS

All potentially contaminated soils were stockpiled separately from other excavated material and were placed on and covered with polyethylene sheets. Potentially contaminated soils were transported to the soil staging area. Soils that did not exhibit signs of contamination were used as backfill following the removal of the UST. Groundwater was encountered at a depth of 4.0 feet bgs.

2.0 SITE INVESTIGATION ACTIVITIES

2.1 OVERVIEW

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The Site Investigation was managed and carried out by U.S. Army DPW personnel. All analyses were performed and reported by U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory. All sampling was performed under the direct supervision of a NJDEP Certified Subsurface Evaluator according to the methods described in the NJDEP *Field Sampling Procedures Manual* (1992). Sampling frequency and parameters analyzed complied with the NJDEP document, *Interim Closure Requirements for Underground Storage Tank Systems* (October 1990 and revisions dated November 1, 1991), which was the applicable regulation at the date of the closure. The Fort Monmouth DPW Environmental Office maintains all records of the Site Investigation activities.

2.2 FIELD SCREENING/MONITORING

Field screening was performed by a NJDEP Certified Subsurface Evaluator using an OVA and visual observations to identify potentially contaminated material. All potentially petroleum-contaminated soils were removed from the excavation area and transported to the Charles Wood petroleum contaminated soil holding area. Soils were removed from the excavation until no evidence of contamination remained. Groundwater was encountered at 4.0 feet below ground surface.

2.3 SOIL SAMPLING

U.S. Army personnel performed the site assessment in accordance with the NJDEP Technical Requirements and the NJDEP Field Sampling Procedures Manual. A summary of sampling activities including parameters analyzed is provided in Table 1. The post-excavation soil samples were collected using NJDEP *Field Sampling Procedures Manual* (1992) standard sampling procedures. Following soil sampling activities, the samples were chilled and delivered to U.S. Army Fort Monmouth Environmental Laboratory located in Fort Monmouth, New Jersey, for analysis.

The site assessment was performed by U.S. Army personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual*. The sampling and laboratory analyses conducted during the site assessment were performed in accordance with Section 7:26E-2.1 of the *Technical Requirements for Site Remediation*. Soils surrounding the tank were screened visually and with air monitoring equipment for evidence of contamination. Following removal, the UST was inspected for corrosion holes or punctures. No holes or punctures in the UST were noted. Stained soil was observed. Based on the inspection of the excavation, Directorate of Public Works (DPW) concluded that a discharge of petroleum products was associated with this UST. The NJDEP hotline was notified and the case was assigned DICAR No. 98-04-16-1603-19. Groundwater was encountered at 4.0 feet below ground surface.

Following the removal of the UST and approximately 225 cubic yards of potentially petroleum contaminated soil from the excavated area, post-excavation soil samples were collected from three (3) locations within the UST excavation area. All samples were analyzed for total petroleum hydrocarbons (TPHC), total solids, lead, and Volatile Organic Compounds (VOCs).

The excavation was re-opened February 24, 1999 in response to concern over the quality of surface water in the adjacent stream. Soil and groundwater contamination was observed. On March 2, 1999, water samples were collected from the open excavation and adjacent stream. Additional soil was removed from the former UST area and new post-excavation soil samples were collected. Steel sheeting was installed around the excavation to protect the stream from erosion and contamination migration.

2.4 GROUNDWATER SAMPLING

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2.4.1 Monitoring Well Installation and Sampling

In response to the observation of potentially contaminated soil near the shallow water table, a 4-inch diameter monitoring well was installed at the site on July 28, 1999.

Since September 21, 1999 the monitoring well was has been sampled on a quarterly basis. The groundwater was analyzed for Metals, Pesticides/PCBs, VOCs, and SVOCs.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 SOIL SAMPLING RESULTS

Analytical results of post-excavation soil samples collected on April 14, 1998 contained concentrations of contaminants below the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC). TPH concentrations ranged from 489.55 mg/kg to 562.45 mg/kg.

Soil samples collected between April 2 and April 12, 1999 contained TPH concentrations ranging from below the method detection limit to 2,509.85 mg/kg. Two samples, 2603-7 and 2603-8 exceeded the NJDEP guidance criteria of 1,000 mg/kg TPH. Consequently, both samples were analyzed for VOCs and SVOCs but contained no compounds above the NJDEP soil cleanup criteria.

Analytical results of post-excavation soil samples collected on August 30, 1993 contained either non-detectable concentrations of contaminants or concentrations of contaminants below the NJDEP RDCSCC.

3.2 GROUNDWATER SAMPLING RESULTS

A review of the historical groundwater analytical results indicates that concentrations of VOCs, SVOCs, Pesticides/PCBs are in compliance with NJDEP GWQS. As part of the long-term monitoring program for Building 2603, the levels of several metals including aluminum, arsenic, iron, lead, and manganese have been tracked over the last three years. Arsenic and lead complied with the NJDEP GWQS until the last round of sampling. Aluminum, iron, and manganese continue to be above the GWQS. These levels could be representative of background levels or could be the result of turbidity caused by the sampling method. Regardless, the groundwater at the site will continue to be monitored.

3.3 CONCLUSIONS AND RECOMMENDATIONS

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Based on the analytical results of the post-excavation soil samples collected between April 14, 1998 and May 1999, soil quality at the Building 2603 UST closure site does not exceed the NJDEP RDCSCC. Therefore, no further action is warranted.

Based on the analytical results of the groundwater samples collected between September 1999 and July 2001, groundwater quality at the Building 2603 UST closure site contains metals that do not comply with the New Jersey Groundwater Quality Standards.

Continued long term monitoring is proposed in regard to the closure and site assessment of UST No. 081515-60 at Building 2603.

Table 1Soil Sample SummaryBuilding 2603, Charles WoodFort Monmouth, New Jersey

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Sample	Laboratory	Sample	Method	Percent	трн
Location/		Date	Detection	Solid	(ma/ka)
depth		Date	Limit	30110	(iiig/kg)
2603-1	3483.01	4/15/98	188	79.75	489.55
2603-2	3483.02	4/15/98	171	89.75	504.46
2603-3	3483.03	4/15/98	173	86.93	562.45
2603-1/6'	4310.01	3/2/99	166	90.46	ND
2603-2/6'	4310.02	3/2/99	192	79.1	265.38
2603-3/2.5'	4341.01	3/10/99	189	82.31	ND
2603-4/2.5'	4341.02	3/10/99	192	81.46	ND
2603-5/305'	4341.03	3/10/99	187	83.6	ND
2603-6/4'	4341.04	3/10/99	187	83.2	2509.85
2603-7/3'	4341.05	3/10/99	202	77.19	1468.51
2603-8/6'	4341.06	3/10/99	183	85.3	220.11
2603-9/2.5'	4341.07	3/10/99	168	92.86	ND
2603-10/2.5'	4343.01	3/12/99	185	83.02	ND
2603-10A/2.5'	4343.02	3/12/99	184	83.15	ND
2603-11/3'	4343.03	3/12/99	181	85.71	ND
2603-12/2.5'	4343.04	3/12/99	180	86.15	ND
2603-13/3.5'	4343.05	3/12/99	204	75.1	ND

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FIGURES







APPENDIX A

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NJDEP UST REPORT CERTIFICATION FORM

12/97)	New Jersey Departme	nt of Environmental Protection
UST Site/I	Site Ren Remedial Investi	ediation Program gation Report Certification Form
A. Facility Name : <u>U.S. Arn</u> Facility Street Address : <u>D</u> Municipality: <u>Oceanport</u>	ny Fort Monmouth New Jerse rectorate of Public Works B	<u>ey</u> uilding 173 County: <u>Monmouth</u>
Block:	Lot(s):	Telephone Number : <u>732-532-6224</u>
B. Owner (RP)'s Name:		
Street Address:		City :
State:	Zip:7	Felephone Number :
C. (Check as appropriate)	D. (Complete all that app	ply)
 Site Investigation Report (SIR) \$500 Fee 	 Assigned Case Manag UST Registration Nut 	ger: <u>Ian Curtis, Federal Case Manager</u> mber : <u>81515-60</u>
 Remedial Investigation Report (RIR) \$1000 Fee 	 Incident Report Numl Tank Closure Numbe 	ber : <u>98-04-16-1603-19</u> r:
E. Certification by the Subs The attached report conforms to	urface Evaluator: b the specific reporting requi	rements of N.J.A.C. 7:26EYes No
Name: Dinker Desai	Signature:	UST Cert. No.:
Firm: U.S. Army Fort Monmou	th Firm's UST Cert. N	umber: <u>N/A – U.S. Army</u>
Firm Address: Directorate of P	ublic Works Buildings 173	City: Fort Monmouth
State:NJ	Zip:07703	Telephone Number : <u>732-532-6224</u>
(NOTE: Certification numbers	required only if work was co	nducted on USTs regulated per N.J.S.A. 58:10A-21 et seq.)
 F. Certification by the Response The following certification should be a performed on the following certified as a true of the following certification of the following cert	onsible Party(ies) of the Fac all be signed [according to the rson authorized by a resolut e copy by the secretary of the oprietorship, by a general pact ederal or other public agency	cility: the requirements of N.J.A.C. 7:14B-1.7(b)]as follows: tion of the board of directors to sign the document. A copy of the e corporation, shall be submitted along with the certification; or rtner or the proprietor, respectively; or by either a principal executive officer or ranking elected Official.
"I certify under p application and a information, I b significant civil committing a cri aware that if I kr	enalty of law that I have person ill attached documents, and that elieve that the submitted infor penalties for knowingly subm me of the fourth degree if I mal owingly direct or authorize the	hally examined and am familiar with the information submitted in this based on my inquiry of those individuals responsible for obtaining the rmation is true, accurate, and complete. I am aware that there are mitting false, inaccurate, or incomplete information and that I am ke a written false statement which I do not believe to be true. I am also violation of any statute, I am personally liable for the penalties."
Name (Print or Type): <u>Ja</u>	nes Ot Title: Director	ate of Public Works
Company Name: U.S. Ar	my Fort-Monmouth I	Date: _5/18/02

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APPENDIX B

WASTE MANIFESTS

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This is to cer	dify that the below named materials are properly classified	Stil described packag	ed m	ING INFORMA	IION and are in pro	oer cond	tion for transportation	according t	to the applicable regulations of the
Department	of Transportation.		- D	eviation (technology)					SALES REPRESENTATIVE
		05001	Des	cription (Including Pi	oper Shipping	Name, F	lazard Class and ID N	umber)	
			SER	VICE SECTION	1				· · · · - ·····
SALES	DESCRIPTION	WASTE					PRICE	ТА	LINE
CODE	DESCRIPTION	CODE					FRICE	14	TOTAL
40500									
40300			-	· · · · · · · · · · · ·					
40600								· 	
40502	SI LIDGE DISPOSAL	7072		73/	GA	-5			······
41001	GASOLINE/WATER	+210		272				+	
41501	DRUM DISPOSAL								
41504	TANK ENTRY								
40800	PARTS WASHER SERVICE			<u> </u>				K	
41500	TRUCK & OPERATOR	10:3	0	- 2. 50	P	L_{-}	14 hour	<u></u>	
41511	NEW 55 GAL DRUM /17H					<u> </u>		\checkmark	
41503	QAQC ANALYTICAL TESTING		-						
42001	DEXSIL TEST KIT TAX								
41509	TRANSPORTATION		-					+	
			-					- <u> </u>	
L		L						+	
CHARGE M	IY ACCOUNT FOR THIS TRANSACTION			SMAL		AL	· ·		
				GENERA	TOR		L	.	
INVOICES R				CERTIFIC	TION				
ARE SUBJE	ECT TO AN INTEREST HATE OF THE LESSER OF 1/2* IM) OR THE MAXIMUM RATE ALLOWED BY LAW ON A	ANY INVOICES TH	AT	I certify that this	generator				
ARE NOT P	PAID WITHIN 30 DAYS. IN THE EVENT OF DEFAULT	LORCO SHALL E	BE	kilograms of ha	azardous	_			
ATTORNEY	"S FEES.			defined at 40 C	F.R. 261,		PAYMEN	T RECE	IVED SECTION
GENERATO	OR WARRANTS AND REPRESENTS THAT THE MA ERFUNDER HAVE NOT BEEN MIXED, COMBINE	D, OR OTHERWIS	SE	more than 1,000	kilograms		сазн 🗌 🛛 📖		TOTAL RECEIVED
BLENDED	IN ANY QUANTITY WITH MATERIALS CONTAINING	POLYCHLORINATE	D	of such waste d month.	uring the	Сн	ECK NUMBER		
UNDER AP	PLICABLE LAWS, INCLUDING BUT NOT LIMITED T	O 40 CFR PART 26	51,						
GENERATO	DR AGREES TO INDEMNIFY AND HOLD LORCO H	ARMLESS FOR AN]	L	I		····
RELATED T	TO A BREACH OF THE ABOVE WARRANTY BY THE	GENERATOR.							r
Generato	or certifies that the waste is	272		NIF	イ		CUS	TOMER	SERVICED
In accord	dance the N.J.A.C. 7:26-12.1 et seq, LORCC	has the require	ed	GENERATORSIS	GNATURE		EVE	TT 30 DA	or
permits t	to accept the above described waste.			LARG	E				• · · · · • • • • • •
	The Film					In acc	ordance with 40 (CFR 266	§ 43(5) LORCO has notified
Brint Marrie		Title	-	CERTIFIC	ATION				su ommanayernent activities.
	· · · · ·		,	DEXSIL	CDT	C	ARULOIS	sell.	a (2)
	ne + all ra	4-22-78		TEST RES	SULTS	Print N	ame	/ , ·	111
Signature		Date				من المستر	-MAK	-EN	V& Um
	GENERATOR/CUSTOMER					Signate	ire V	- mar -	- Date
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		RD. 1. E	PETROLEUM SERVICES									
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US NJ3210	0020337	Manifest Document No.	2. Page of	1 	NHZ	0099	356			
	3. Generator's Name and Mailing Address U.S. AKMY COMMVNUC 2/0 JOSEPH FALLON DIL FT MONMOUTH NO	TIONS ELEC 6173 ATTN 57703	TRUNICS COM SELFIN - AW	MANUMANPSI I-EV	-							
	5. Transporter 1 Company Name	2-6723		Number	A. Trans	porter's Pl						
	7. Transporter 2 Company Name		8. US EPA ID	Number	B. Trans	porter's P	hone	ione				
	9. Designated Eacility Name and Site Addres	ייסי אחת מייד המ	-10	Number	C. Facili	ty's Phone	~					
	CI'D BOIDOR 1/3 00022 PHHADMODICLOEDINARE DOC	· .		0 / / 0 Q	0.7	10 .TP4	-000	r				
	11. Waste Shipping Name and Description	· · · ·	·······			12. Conta No.	ainers Type	13. Total Quantity	14. Unit Wt/Voi			
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	d.	······································		· · ·		· ·		<u> </u>				
	D Additional Descriptions for Materialed ister		··· ·· · · · · · · · · · · · · ·		E Hand							
	10											
	15. Special Handling Instructions and Addition											
	16. GENERATOR'S CERTIFICATION: 1 certif	y the materials described abo	ove on this manifest are not	subject to federal regula	ations for rep	porting prop	er disposa	al of Hazardous W	aste.			
┥	Printed Typed Name V 156 Dh M. F. II) <i>⊎_¥</i> Î	Signature	Jerigh 1	m.	Fil	1/ir	Monthy Da	7 91			
	17. Transporter 1 Acknowledgement of Receip Printed/Typed Name	pt of Materials	Signature	TP-	22			Month, Da	y Year			
SPOR	18. Transporte 2 Acknowledgement of Receip	pt of Materials		yto cer	<u></u>			1412	2178			
T E R	Printed/Typed Name		Signature					Month Da	y Year ·			
FAC	19. Discrepancy indication Space											
 	20. Facility Owner or Operator: Certification of	f receipt of waste materials	s covered by this manifes	t except as noted in It	em 19.							
Ý	Printed/Typed Name	- <u></u>	Signature	<u> </u>	<u>u</u>	_		Month Da	y Year			
		GE	ENERATOR'S COP	Y								

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HONE NUN		DER NUMBER	PHONE NU	VBER	PUF	CHASE ORDER NUMBER
USATEPAID.	NOT IF APPLICABLE CONTRACTOR			tering a strain baseline		KAAS 00 105 IV.
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This is to c	entity that the below named materials are properly classifie	SHI	PPING INFORMA	TION	dition for transportation ar	cording to the applicable regulations
Departmer	t of Transportation	US DOT	Description (Including P	roper Shipoing Name	Hazard Ciass and ID Nu	NDER) SALES REPRESENTAT
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		9	SERVICE SECTIO	N	·	
CODE	DESCRIPTION	CODE	QUANTITY	UNIT PRICE	PRICE	TAX LINE TOTAL
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40300				· · · · · · · · · · · · · · · · · · ·		
40501	OILY WATER DISPOSAL		1800	0,55		
40502	SLUDGE DISPOSAL					
41001	GASOLINE/WATER		· · · · · · · · · · · · · · · · · · ·	ļ		
41501	TANK ENTRY				<u> -</u>	
40800	PARTS WASHER SERVICE		· · · · ·			
41500	TRUCK & OPERATOR			·		
41511	NEW 55 GAL DRUM /17H	┥				
41503	DEXSIL TEST KIT TAX	 +				
41509	TRANSPORTATION					
	L	<u> </u>		L		
CHARGE	MY ACCOUNT FOR THIS TRANSACTION			L TOTAL	\$\$990.00	
PAYMEN"	T SECTION.	190,00	GENER	TOR		
ABOICEC	JECT TO AN INTEREST RATE OF THE LESSER OF 11/2	% PER MONTH (18	1 certify that this	generator		
INVOICES	r Paid within 30 days. In the event of default	T, LORCO SHALL B	E kilograms of h	than 100 azardous	· ·	· -
INVOICES ARE SUB PER ANN ARE NOT	$\mathbf{r}_{\mathbf{v}}$	UING REASUNADE	defined at 40 C	.F.R. 261,	PAYMENT	RECEIVED SECTION
INVOICES ARE SUB PER ANN ARE NOT ENTITLEI ATTORNE	D IO AECOVER COSIS OF COLLECTION, INCLU				CASH 🗌 📃 📖	TOTAL RECEIVED
INVOICES ARE SUB PER ANN ARE NOT ENTITLEI ATTORNE GENERA LORCO	D TO RECOVER COSIS OF COLLECTION, INCLU EY'S FEES TOR WARRANTS AND REPRESENTS THAT THE MA HEREUNDER HAVE NOT BEEN MIXED, COMBINE	TERIALS PROVIDE	E more than 1,000	kilograms		
INVOICES ARE SUB PER ANN ARE NOT ENTITLEI ATTORNE GENERA LORCO BLENDE BIPHENY	D TO RECOVER COSIS OF COLLECTION, INCLU EY'S FEES. TOR WARRANTS AND REPRESENTS THAT THE MA HEREUNDER HAVE NOT BEEN MIXED, COMBINE D IN ANY QUANTITY WITH MATERIALS CONTAINING (LS (PCB) OR ANY OTHER MATERIAL DEFINED AS	ATERIALS PROVIDE ED, OR OTHERWIS POLYCHLORINATE HAZARDOUS WAST	E more than 1,000 D of such waste E month.	kilograms during the CI	HECK NUMBER	
INVOICES ARE SUB PER ANN ARE NOT ENTITLEI ATTORNE GENERA LORCO BLENDEI BIPHENY UNDER / GENERA	D TO RECOVER COSIS OF COLLECTION, INCLU- EY'S FEES. TOR WARRANTS AND REPRESENTS THAT THE MA HEREUNDER HAVE NOT BEEN MIXED, COMBINI D IN ANY QUANTITY WITH MATERIALS CONTAINING (LS (PCB) OR ANY OTHER MATERIAL DEFINED AS APPLICABLE LAWS, INCLUDING BUT NOT ILMITED T TOR AGREES TO INDEMNIFY AND HOLD LORCO H	ATERIALS PROVIDE ED, OR OTHERWIS POLYCHLORINATE HAZARDOUS WAST TO 40 CFR PART 26 IARMLESS FOR AN	E more than 1,000 of such waste month.	kilograms turing the CI	HECK NUMBER	
INVOICES ARE SUB PER ANN ARE NOT ENTITLEI ATTORNE GENERA LORCO. BLENDEI BIPHENY UNDER J GENERA GENERA GENERA BLANGE RELATEC	D TO RECOVER COSIS OF COLLECTION, INCLU EY'S FEES. TOR WARRANTS AND REPRESENTS THAT THE MA HEREUNDER HAVE NOT BEEN MIXED, COMBINE D IN ANY QUANTITY WITH MATERIAL DEFINED AS APPLICABLE LAWS, INCLUDING BUT NOT LIMITED T TOR AGREES TO INDEMNIFY AND HOLD LORCO H IS, COSIS, ATTORNEY'S FEES, ETC. ARISING OUT) TO A BREACH OF THE ABOVE WARRANTY BY THI	Aterials provide ED, or otherwis Polychlorinate Hazardous Wast To 40 CFR Part 26 Jarmless For An OF OR IN ANY Wa E generator.	The second secon	kilograms turing the CI	HECK NUMBER	
INVOICES ARE SUB PER ANN ARE NOT ENTITLEI ATTORNE GENERA LORCO BLENDEI BIPHENY UNDER / GENERA DAMAGE RELATEL GENERA	D TO RECOVER COSIS OF COLLECTION, INCLU EY'S FEES. TOR WARRANTS AND REPRESENTS THAT THE MA HEREUNDER HAVE NOT BEEN MIXED, COMBINE D IN ANY QUANTITY WITH MATERIALS CONTAINING YLS (PCB) OR ANY OTHER MATERIAL DEFINED AS APPLICABLE LAWS, INCLUDING BUT NOT LIMITED T TOR AGREES TO INDEMNIFY AND HOLD LORCO H IS, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT > TO A BREACH OF THE ABOVE WARRANTY BY THI ator certifies that the waste is	ATERIALS PROVIDE ED, OR OTHERWIS POLYCHLORINATE HAZARDOUS WAST TO 40 CFR PART 26 IARMLESS FOR AN OF OR IN ANY WA E GENERATOR. 7 Z	FE more than 1,000 of such waste month.	kilograms Juring the CI		
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۰.	6, 10 20	PETROLEUM SERVIC	ES NI OR857							
	WASTE MANIFEST	1. Generator's US EPA ID No. NJ · 2· 2 1 · 0· 0 2 0· 9· 7	Manifest Document No.	2. Pagé of	1 (NHŻ	01920	0		
	Generator's Name and Malling Address U.S. ARMY COMMUNICATION GHARUES WOOD ARE 90 ATTA: SELFM- PW- AV 4. Generator's Phone (732) 532	S ELECTEONICS COMMA J. FALLON BLAG. 173 FORT MONMOUTH, N.J. 6223	D 07703							
	5. Transporter 1 Company Name LIONETTI OIL RECOVERY CO 7. Transporter 2 Company Name	6. US EPA 1 INC	ID Number <u>10 0 4 4 0 5</u> ID Number	A. Trans 4 B. Trans	Transporter's Phone 908 721-0900 Transporter's Phone					
	9. Designated Facility Name and Site Address LIONETTI OIL RECOVERY CO RUNYON&CHEESEQUAKE RDS OI D BRIDGE NJ 08857	10. USEPA INC DBA LORCO PETROLE	UM SVCS	C. Facili	ty's Phone		1			
	11. Waste Shipping Name and Description				12. Conta No.	ainers Type	13. Total Quantity	14. Unit Wt/Vol		
	PETROLEUM OIL (PETROLEUM COMBUSTIBLEL LIQUID UN12	OIL) 70 PGIII	· · · · · · · · · · · · · · · · · · ·		<u>.0.0</u>	1 1	¥-1-8-00	G		
GUNER		· · · · · · · · · · · · · · · · · · ·			-			4" ***		
Î R I	d.				. . .		· · · · ·			
	D. Additional Descriptions for Materials Listed Abc	we		E. Hand	ling Codes	for Wast	tes Listed Above			
	T,L PETROLEUM OIL 1 % WATER 99 %	•		ŤŌ	4 FILI	RATI	ON			
	15. Special Handling Instructions and Additional Int 24 HR EMERGENCY RESPONSE DECAL 18703 ERG/128 DEXS MANIFEST USED FOR TRACKIN	formation #(908) 721-0900 IL TEST KIT RESULTS NG PURPOSES ONLY	<u>کت PPh</u>		- -		· · · · · · · · · · · · · · · · · · ·	-		
			<u> </u>							
¥	Printed/Typed Name	materials described above on this manifest are Signature	pert subject to/equiral regula		porting prop	er disposi	Month Day	ste. Yøar 5 9.9		
RAZSPO	Printed/Typed Name DAN MAC KAY 18. Transporter 2 Acknowledgement of Receipt of I	Signature Materials	Defe	tay			Month Day	\$1 <u>99</u>		
RT E R	Printed/Typed Name	Signature					Month Day	Year		
FAC	19. Discrepancy Indication Space UST BILS 2603 -	Site Remedition				•		i.		
L 	20. Facility Owner or Operator: Certification of rece	pipt of waste materials covered by this mani	fest except as noted in Ito	em 19.		-				
Ÿ	Printed/Typed Name	Signature					Month Day	Year		
		GENERATOR'S CO	ΡΥ					: •		

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RD1 Box 5A Old Bridge, N.J. 08857 (732) 721-0900 Fax (732) 721-0231

STANDARD COLLECTION ORDER FORM

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	PEIKULEUM SEKARES	Fax (732)	21-02	:31			OH	UEH FOHM
مدربه -							22	7788
	GENERATOR/LOCATION	SALES ORD	R#		BI	LL TO (IF DIFFEREI	NT FROM LOC	ATION)
		a line at		NAME		A.C. AF VALLEX	#	
INFORMATI			DE:	INFORMATIC		v LINE	ACCOUN	IT APPROVAL CODE
Guoz.	within The 2603			100	S. A	17 6 <i>7 2 4</i>		
	Factor Disc173 ATTN 5	econ And	.	I DELIVERY A	Boy	489		
For	Modimouria.		703	CITY			STATE	ZIP
PHONE NU		DER NUMBER		PHONE NUM	BER			NUMBER VIIII
USA EPA ID	NO. (IF APPLICABLE) STATE 10 NO.				MANIF	EST	20192	
1525.Le		SH	IIPPIN	G INFORMAT	<u>NUM</u>	BER		
This is to o Department	certily that the below named materials are properly classified of Transportation.	d, described, packa	ged, mari	ked and labeled, a	nd are in pr	oper condition for transportate	on according to the	applicable regulations of the
NO.	TYPE QTY. UNIT	US DO	T Descrip	ption (Including Pr	oper Shippin	g Name, Hazard Ciass and I	Number) S/	ALES REPRESENTATIVE
			SERVI	CE SECTION				
SALES	DESCRIPTION	WASTE					TAY	LINE
CODE		CODE						TOTAL
40300			·	·····				
40600	USED OIL FILTER REMOVAL			· · ·				
40501	OILY WATER DISPOSAL		79	800	0,3	35		
40502	SLUDGE DISPOSAL							
41001	GASOLINE/WATER							
41501	DRUM DISPOSAL							
41504								
40800	PARTS WASHER SERVICE	ļ				·····		
41500	TRUCK & OPERATOR		. <u></u> .	· · · · · · · · · · · · · · · · · · ·				
41511	NEW 55 GAL DRUM/1/H							
41503								
41509	TBANSPORTATION							
		+		· · · · · · · · · · · · · · · · · · ·				
						taas	AB.	
CHARGE	MY ACCOUNT FOR THIS TRANSACTION		ור	QUANTI		AL 4740.		
PAYMEN	T SECTION.	190,00		GENERA	FOR			
ARE SUB	SREFLECTING CHAHGES TO CUSTOMEN L	% PER MONTH (1		CENTIFICA				
PER ANN	IUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON	ANY INVOICES TH		generates less	han 100			
ENTITLE	D TO RECOVER COSTS OF COLLECTION, INCLU	DING REASONAE	LE	waste per mo	nth, as	PAYME		SECTION
GENERA	ey's fees. Tor warrants and represents that the ma	TERIALS PROVID	ED	defined at 40 C. and does not ac	F.R. 261, cumulate		TOT	
LORCO	HEREUNDER HAVE NOT BEEN MIXED, COMBINE	ED, OR OTHERW	SE	more than 1,000 k of such waste d	ilograms			
BIPHEN	D IN ANY QUANTITY WITH MATCHIALS CONTAINING (LS (PCB) OR ANY OTHER MATCHIAL DEFINED AS I	HAZARDOUS WAS	TE	month.	-	CHECK NUMBER		
	APPLICABLE LAWS, INCLUDING BUT NOT LIMITED 1 TOR AGREES TO INDEMNIEY AND HOLD LORCO H	IO 40 CFR PART 2	61,					
DAMAGE	ES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT	OF OR IN ANY V						
RELATED	D TO A BREACH OF THE ABOVE WARRANTY BY TH	E GENERATOR.						···
Genera	ator certifies that the waste is	→ €	-:			EV	ERY 30 DAYS	NICED
In acco	roance the N.J.A.U. 720-12.1 et seq, LOHCC s to accept the above described waste	nas the requir		GENERATOR'S SIG	SNATURE	2.		L
	1				E	In accordance with 4	0 CER 266 & 434	
/	Charles 18PN			GENERA	TOR	the US EPA of its local	tion and used oil	management activities.
Print Na	me ,	Title	- ,	CERTIFIC	TION		L.A	
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	<u></u>		_	TEST RES	SULTS	Print Name		
Signatúr		Date.					fini fini	· · · · · · · · · · · · · · · · · · ·
1	GENERATOR/CUSTOMER			<u> </u>	. PPM	Signature		Date
L			ا			LOF	ILU HEPHESENT	AUVE

CUSTOMER

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		V	Old Bridge,	N.J. 08857	بر میں در ایک کر میں ایک کر ایک ک مراجع ایک کر ا		STA	
	PETROLEOM SERVIC	ES	Fax (732) 72	21-0231			ORD	ER FORM
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		N	SALES ORDER	1 #	BIL		FROMIOCAT	
NAME	denenatoriveccarrie			NAME				
	<u>restations and seach</u>	62			Cann -	Janna Kass	ervices -	
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PHONE NUM	BER PURCH	IASE ORD	ER NUMBER	PHONE NU	MBER.	P	IRCHASE ORDER NU	MBER
USAEPAID	NO (IF APPLICABLE)	ID NO.						
					MANIFES	T R		
Ť.			SHI	PPING INFORMA	TION			
This is to c Departmen	ertily that the below pamed materials are properly t of Transportation.	classified	, described, package	d, marked and labeled,	and are in prop	er condition for transportation	according to the ap	plicable regulations of the
NO.			US DOT	Description (Including P	roper Shipping N	lame, Hazard Ciass and ID Nu	imber) SALI	ES REPRESENTATIVE
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SALES	DECODIDUCN	ا يَ بَعْدَ مِعْمَدٍ	WASTE	OUANITITY			TAV	LINE
CODE		5 (24-34) 	CODE					TOTAL
40500							<u> </u>	
40300			├ <u>─</u> ──	·	· · ·			
40501	OILY WATER DISPOSAL		Tel71	7525	Cr. I	<u>, </u>	+	
40502	SLUDGE DISPOSAL			<u>~~,~~</u>	0.5	5 1388 74	ŧ	
41001	GASOLINE/WATER							
41501	DRUM DISPOSAL	14 A	· · · · ·	· · · · · · · · · · · · · · · · · · ·				
41504					ļ		 	
40800	PARTS WASHER SERVICE			11.0	acana		<u> </u>	
41500	NEW 55 GAL DRUM /17H		1 /· 4	-m-11			<u> </u>	
41503	QAQC ANALYTICAL TESTING				† <i>-</i>		<u> </u>	
42001	DEXSIL TEST KIT	TAX						
41509	TRANSPORTATION							
	<u> </u>		ł.					
	Var in + Prominent			in ten	L		ļ	<u> </u>
CHARGE	MY ACCOUNT FOR THIS TRANSACTION		- July A	SMAL	L TOTA	L 1,388,2	\$	
	OTHERWISE INDICATED IN THE	11	288 75	GENERA	TOR		I	L
INVOICES		OF 1140			ATION			•
PERANN	UM) OR THE MAXIMUM RATE ALLOWED BY L	AW ON A	NY INVOICES THA	I certify that this generates less	generator than 100		: :	•
ENTITLE	D TO RECOVER COSTS OF COLLECTION,	INCLUD	NG REASONABL	E kilograms of h waste per m	azardous onth, as	PAYMEN	RECEIVED	ECTION
GENERA	y's fees. Tor warrants and represents that "	THE MA	FERIALS PROVIDE	D and does not ad	F.H. 261, comulate		. TOTAL	RECEIVED
	HEREUNDER HAVE NOT BEEN MIXED, C D IN ANY QUANTITY WITH MATERIALS CONT	OMBINE TAINING	d, or otherwis Polychlorinate	E more than 1,000 of such waste of	tulograms			
BIPHENY	LS (PCB) OR ANY OTHER MATERIAL DEFIN	ED AS H	AZARDOUS WAST	E month.		*		· .
GENERA	TOR AGREES TO INDEMNIFY AND HOLD LO	ORCO H	ARMLESS FOR AN		. [[I		
RELATED	is, costs, attorney's fees, etc. Arising) to a breach of the above warranty	g out (/ By the	of or in any wa Generator."	Υ		•	2	
Genera	tor certifies that the waste is	.7	-112			· CUS	TOMER SERVI	CED
In acco	rdance the N.J.A.C. 7:26-12.1 et seq, L	ORCO	has the require	d GENERATOR'S SI	GNATURE	EVEF	TY 30 DAYS	
permits	to accept the above described wa	ste.		LARG	ìE			
	Too Filli			QUANT		n accordance with 40 C	FR 266 § 43(5)	LORCO has notified
Print Nor			Title	CERTIFIC	ATION			a ayon en activites.
	Do -Ma			DEXSIL	CDT	-1 In Tac	wino T	
<u> </u>	yor fallon		3-5-99.	_ TEST RE	sults 2	Print Name		· · ·
Signatur	e // /	_	Date			milt	on /	3-5-99
	GENERATOR/CUSTOME	R		NA		Signature		Date
. 1				11	- · · · · · · · · · · · · · · · · · · ·	LORCO	CHEPHESENTAT	IVE '

î î,													
	NON-HAZARDOUS WASTE MANIFEST	RD. 1, 1 1. Generator's US N.J. 3. 2. 1	BOX 5A - OLD BRIDGE, N. S EPA ID No. 0020517	08857 Manifest Document No.	2. Page 1 of	N	IHZ	.013	396	58			
	 Generator's Name and Mailing Address US JI MY Community from Main Address Main Address Generator's Phone (732)532-63 	13 Fhoto 1, BIA 173, 222 Forla	AHA:SELIMINA AHA:SELIMIN Nonmouth, NJ	d 2W-EV 07703			×)	;					
	5. Transporter 1 Company Name LIONETTI OIL RECOVERY CO	INC +	6. US EPA ID I N. J. D. O. 8. 4. 0	Number 4.4.0.6.4	A. Transp 9(Transporter's Phone 908 721-0900							
	 Pransporter 2 Company Warne Designated Facility Name and Site Address 	9. Designated Facility Name and Site Address 10. US EPA ID Number C. Facility's Phone 1 LONETTL OIL RECOVERY CO INC. DBA LORCO PETROLEUM SVCS											
	LIONETTI OIL RECOVERY CO RUNYON&CHEESEQUAKE RDS OLD BRIDGE,NJ 08857	908	721-(0900									
	11. Waste Shipping Name and Description					12. Contai No.	iners Type	13. Total Quantity	,	14. Unit Wt/Vol			
	PETROLEUM OIL (PETROLEUM O COMBUSTIBLEL LIQUID UN127	IL) D PGIII				001	т. т.	X2,50	25	G			
GENER	b.					• •		· · · · · · · · · · · · · · · · · · ·					
A T O R	с.												
	d.									-			
	D. Additional Descriptions for Materials Listed Abo T, L PETROLEUN OIL / S WATER 99%	We			E. Handlir TQ4	Handling Codes for Wastes Listed Above							
	15. Special Handling Instructions and Additional Inf 24 HR ENERGENCY RESPONSE/ DECAL//S708/9 ERG/128 DEXSI HANIFEST USED FOR TRACKIN	(908) 721-0 L TEST KIT G PURPOSES	900 RESULTS NA P	PPI: -	-		V	<u> </u>					
	<i>i</i>			Bei	רוח	9	-						
	16. GENERATOR'S CERTIFICATION: I certify the	materials described ab	ove on this manifest are not s	ubject to federal regula	tion pr refe	ting prope	r disposa	l of Hażardou	ıs Wast	te.			
¥	Printed/Typed Name Joscoh M. Frill	lun	Signature	op to My	71	den	2	Month	Day Ci.S	^{yea:} 199			
RANSP	Printed Apped Name		Signature	1700	BA A	* < 1 -	3	Month H 3	Day	year 199			
ORTER	18. Leansporter 2 Acknowledgement of Heceliet of I Printed/Typed Name	Matenais	Signature		<u> </u>			Month •	Day	Year			
F A C I	19. Discrepancy Indication Space												
L I T Y	20. Facility Owner or Operator: Certification of rece	ipt of waste materials	s covered by this manifest	except as noted in Ite	em 19.								
			Signature					Month	Day	Year			
		GE	NERATOR'S COPY										

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RD1 Box 5A Old Bridge, N.J. 08857 (732) 721-0900 Fax (732) 721-0231

Standard Collection Order Form

								22	23387	•	
	GENERATOR/LOCATION	SALES ORD	ER#		Bi	ILL TO	(IF DIFFERENT	FROM LOC	ATION)		
NAME	7 Mon ma the Bide -	16.2		NAME	· roma	17	Lol C	+rvices			
INFORMATI	ONATTENTION LINE	COUNT APPROVAL CO	DE:	INFORMATIK	OWATTENTIO	I LINE		ACCOUN	IT APPROVAL COD	E:	
OFLIVERY	IDDBESS			DELIVERY	DDRESS						
	Anebrack tel.		5	P.O. Box 1/29 Account Desalts							
CITY	S	TATE ZIP		CITY				STATE	ZIP		
PHONE NU	VIER PURCHASE OR	DER NUMBER	//0	T PHONE NUM	ABEA	Onm	у<i>т ћ</i>	IRCHASE ORDER I	NUMBER	203	
	÷	1.210-12-2		S 3	2-2	577		R99	lecor	25	
USA EPA ID	NO (IF APPLICABLE) STATE ID NO.					EST 👬			× 189	40	
		SI	HIPPIN	G INFORMA	TION			and the second sec	CARLAR <u>A</u>		
This is to a	entity that the below named materials are properly classifie	ed, described, packa	iged, mar	ked and labeled,	and are in p	roper cond	ition for transportation :	according to the	applicable regula	tions of the	
NO.	TYPE QTY. UNIT	US DO	OT Descri	ption (Including P	roper Shippir	ig Name, H	lazard Class and ID Nu	mber) S/	ALES REPRESE	NTATIVE	
			SERV	ICE SECTION	N						
CODE	DESCRIPTION	CODE	Q	UANTITY	UNIT F	PRICE	PRICE	TAX	LIN	NE FAL	
40500	USED OIL REMOVAL							·		· · · · · · · · · · · · · · · · · · ·	
40300	ANTI-FREEZE REMOVAL							ļ	_		
40600	USED OIL FILTER REMOVAL		ļ					<u> </u>			
40501		1.172	c	2,585	6		1703				
40502	GASOLINE/WATER	+			1.00	<u> </u>	1, 380, 12	¥			
41501	DRUM DISPOSAL	+		••••••							
41504	TANK ENTRY	1						<u> </u>			
40800	PARTS WASHER SERVICE										
41500	TRUCK & OPERATOR	7.	1017	zn-11	1911)		ļ			
41511	NEW 55 GAL DRUM /17H		<u> </u>		·			<u> </u>	·		
41503				· · · · · · · · · · · · · · · · · · ·		<u> </u>		<u> </u>			
42001			<u> </u>					<u> </u>			
41303					<u> </u>						
	· · · · · · · · · · · · · · · · · · ·							†			
	plance + Executation	-0.14	ing 7	ATT CHAI	•		1 258 7	1			
CHARGE UNLESS PAYMEN INVOICES ARE SUE PER ANN	MY ACCOUNT FOR THIS TRANSACTION OTHERWISE INDICATED IN THE SECTION. SREFLECTING CHARGES TO CUSTOMER UPCCT TO AN INTEREST RATE OF THE LESSER OF 1/2 IUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON	3 8 8 25	18% HAT	OUANT GENERA CERTIFIC	TOR TOR ATION generator than 100	Γ AL	1, 3 % , 4	Í	_		
ARE NO	f paid within 30 days. In the event of defau In to recover costs of collection. Incll	lt, lorco shall Iding reasonae	BE	kilograms of ha	azardous onth. as				070710		
ATTORN	Y'S FEES.	ATERIALS PROVID		defined at 40 C and does not ac	.F.R. 261,		PATMEN				
LORCO	HEREUNDER HAVE NOT BEEN MIXED, COMBIN	ED, OR OTHERW	/ISE	more than 1,000 of such waste d	kilograms						
BIPHEN	D IN ANY QUANTITY WITH MATERIALS CONTAINING (LS (PCB) OR ANY OTHER MATERIAL DEFINED AS APPLICABLE LAWS INCLUDING BUT NOT LIMITED	HAZARDOUS WA	STE 261.	month.		Сн	ECK NUMBEH				
GENERA	TOR AGREES TO INDEMNIFY AND HOLD LORCO	HARMLESS FOR A	ANY	\wedge		L	I				
RELATED	D TO A BREACH OF THE ABOVE WARRANTY BY TH	E GENERATOR.								,	
Genera	tor certifies that the waste is	Tilia					CUS	TOMER SER	VICED		
In acco	rdance the N.J.A.C. 7:26-12.1 et seq, LORC	O has the requi	red	GENERATOR'S SI	GNATURE		EVE	TT 30 DATS		L	
permit	s to accept the above described waste.		- { '	LARG	E						
Print Na	Jue Fallon	Title		QUANT GENERA CERTIFIC	TOR ATION	the US	SEPA of its location	and used oil	5) LOHCO ha management	s notified activities.	
	ter a start Maria	11/6		DEXSIL	CDT		No. Tar	<u></u>	2		
	John and Willing	35-99		TEST RES	SULTS	Print N	lame		,		
Signatu	e	Date	•				· 4. /		<u> </u>	-97	
	GENERATOR/CUSTOMER			_ <u></u> /_3	_ PPM	Signat	ure	PREPRESENT	ATIVE	Daté	

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APPENDIX C

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UST DISPOSAL CERTIFICATE

RECHDER ITE	Shipper No. 005	Grein No	(U.S. Arm.	+C22	RATE						C.0.0. FFE: FREPAIO [] \$ COLLECT []	TOTAL CHARGES: \$ CHARGES: \$ Inscriming Onder Sector	accept as norved (contenue and con as makening any phrean of comp strike on the much to said devent in each of any of said property, their y spreed to by the schper and sco	L SEEVICES G	(lourd, P.O. Box 2014. Huntlero, CT
	LL OF LADING T NEGOTIABLE	TAL Services Geoup	Building 2603	14. Eatontown, N.J.			0.5+ Shi	¥ C	60		COD Ami:\$	School States 7 of the conduction of the providence of the provide	adve, the property detortion above to suppli rml good order. Here the served carrier being understanded through out first contra- t searched. If one carrier carrier are the contra- te order and a supply react purity any time into-reared method classification and as date of thomsell.	MANI SMC ENVIRONMENTA	a Moule Charle	MTE S/1/98	Provider Nutri Aller 174 The (Provide B
z	STRAIGHT BI ORIGINAL - NO	SMC ENVIRONMEN	erxeling	UT 2000 10701	Red of Pallaring Direfalor of Artist	Secre any	1.275 Galle	A law	4NK # 81515-	wilding # 2603		The P is under one for share - money and share or property prove the standard of shared and shared	Al jardie to effect on the date of the journ of this fail of look of the second	u+h (U. S. Armv)			etnesi i Tab 49 of the Code of Federal Represent.
The Drawing Board The Drawing Board Cut bi Fue: 1400 UN 809			- Led Bank R	Red Bank		0			<u> </u>	8	itaarr 16.0.0.70: 10.04:85	Anna a' haife at parata francis a fanna ' hin	RECEIVED, action to the disalication is a contacts of packages uniteramy, making an in procession of the property under the contact in procession of the packages of the package and in reducing tegrated as is each under a set for procession of the package and be a set for thread and buildpack.	UPPER Fort Manma	5		is the devices instanting which is the

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SMC Environmental Services Group A Subadiary of Science Management Corporation P.O. Box 859 Valley Forge Pennsylvania 19482 Telephone (610) 265-2700

CERTIFICATE OF NON-HAZARDOUS VESSEL



This letter is to confirm that the vessel/vessels at the above referenced location has been physically entered (if necessary), degreased, washed/cleaned, and the material contained within has been completely removed and properly disposed. As of 3.00 A.M.P.M. on 4/14/98, the above said vessel is certified gas free and has been cleaned following recommended procedures in API PUBLICATION 2015. Due to conditions that SMC Environmental Services Group has no control over, this certification is valid only until the vessel is received by the designated steel recycling facility. SMC Environmental Services Group will not be held liable for any damages which may occur after certification.

SMC ENVIRONMENTAL SERVICES GROUP SIGNATURE OF CERTIFICATION

Signature

David H. Daniels SMC Site Manager Print or Type Name Here

APPENDIX D

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SOIL AND GROUNDWATER ANALYTICAL DATA PACKAGE

APPENDIX E

PHOTOGRAPHS

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APRIL 14, 1998 **PHOTOGRAPHIC LOG** UST NO. 81515-60 Building 2603 Charles Wood Fort Monmouth

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VERSAR Engineers, Managers, Scientists & Planners Bristol, PA



Vinyl sheeting was driven along the north and east end of the excavation to prevent creek erosion and the migration of contaminates.



The vinyl sheeting is in-place and the excavation is backfilled.