LOUREIRO ENGINEERING ASSOCIATES, INC.

RDMS DocID 2583

July 2, 1998

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US Environmental Protection Agency
JFK Federal Building (HBT)
90 Canal Street
Boston, MA 02203-2211

Attn.: Juan Perez

RE: Summary Investigation and Remediation Report - Airport/Klondike Area
Pratt & Whitney, East Hartford, Connecticut
LEA Comm. No. 68V8124

Dear Mr. Perez:

Attached please find copies of additional information for the above-mentioned report for the Airport/Klondike Area at the Pratt & Whitney facility located at 400 Main Street in East Hartford, Connecticut. The information provided in this package includes the following:

- 6 Copies - X-415 Septic System and Dry Well USTM (New)
- 6 Copies - X-415 Aboveground Storage Tanks USTM (New)
- 6 Copies –Technical Memorandum (TM) LEA Analytical Laboratory (New)

The information identified as "New" has not been previously submitted for review. The two USTMs should be added to Volume III of the USTM binders. The TM should be added to Volume II of the TM binders.

If you have any questions or comments concerning the attached information please contact me at 860-747-6181.

Sincerely,

LOUREIRO ENGINEERING ASSOCIATES

Thomas J. Salimeno, P.E.
Project Manager

Attachments

pc: V. Riva, Pratt & Whitney

G:\PROJECTS\P&W\KLONDIKE\68V8124\DOC\LETTERS\EPA\EPALET17.DOC

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UNIT-SPECIFIC TECHNICAL MEMORANDA

VOLUME II

SUMMARY
SITE INVESTIGATION AND REMEDIATION REPORT
AIRPORT/KLONDIKE AREA
AT
PRATT & WHITNEY
EAST HARTFORD, CONNECTICUT
EPA ID No. CTD990672081

Prepared for:

PRATT & WHITNEY
A UNITED TECHNOLOGIES COMPANY
400 Main Street
East Hartford, Connecticut 06108

Prepared by:

LOUREIRO ENGINEERING ASSOCIATES, P.C.
100 Northwest Drive
Plainville, Connecticut 06062

LEA Comm. No. 68V8124

TABLES

Table 1

DRAFT

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: X-415 Septic System and Dry Well Area

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-GP-20	1016968	1/ 1/93			GW	X								
NK-SB-01	1006253	8/ 8/95	0	2	SB	x								
NK-SB-01	1006254	8/ 8/95	2	4	SB	x	x				x	X		
NK-SB-01	1006255	8/ 8/95	4	6	SB	x								
NK-SB-02	1006256	8/ 8/95	0	2	SRB	X								
NK-SB-02	1006257	8/ 8/95	2	4	SB	X	x				x	X		
NK-SB-02	1006258	8/ 8/95	4	6	SB	x								
NK-SL-05	1006168	8/ 2/95	0	0	SRL		X				x	X		
NK-TP-12E	1635150	6/ 9/97			SS		x					X		X
NK-TP-12E	1635151	6/ 9/97			SS		x					X		X
NK-TP-12N	1635148	6/ 9/97			SS		x					X		X
NK-TP-12S	1635149	6/ 9/97			SS		x					X		x
NK-TP-12W	1635152	6/ 9/97			SS		x					X		x
NK-TP-13E	1635155	6/ 9/97			SS		x					X		x
NK-TP-13N	1635153	6/ 9/97			SS		x					X		x
NK-TP-13S	1635154	6/ 9/97			SS		x					X		x
NK-TP-13W	1635156	6/ 9/97			SS		x					X		x
NK-TP-13W	1635157	6/ 9/97			SS		x					X		x

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 07/02/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-SB-01	NK-SB-02	NK-SB-02	NK-SB-02	NK-TP-12E	NK-TP-12E	NK-TP-12N
	Sample ID	1006254	1006256	1006257	1006257	1635150	1635151	1635148
	Sample Date	08/08/1995	08/08/1995	08/08/1995	08/08/1995	06/09/1997	06/09/1997	06/09/1997
	Sample Time	08:19	08:56	09:03	09:03	10:00	10:01	09:54
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	2' - 4'			
	Laboratory	AEL	LEA	AEL	LEA	QUAN	QUAN	QUAN
	Lab. Number	AEL95008786	95-00172-419	AEL95008787	95-00173-420	A7F100149041	A7F100149042	A7F100149039
Constituent	Units							
Date Metals Analyzed	-	08/16/1995		08/16/1995		06/23/1997	06/23/1997	06/27/1997
Date Organics Analyzed	-		08/08/1995		08/08/1995			
Date Physical Analysed	-					06/24/1997	06/24/1997	06/24/1997
Barium	mg/kg	16		9.03		20.1	20.7	42.2
Cadmium	mg/kg					0.95	0.71	0.40
Chromium	mg/kg	6.91		6.32		8.3	8.7	10.1
Lead	mg/kg					29.3	26.0	9.7
Mercury	mg/kg					15.0	10.3	0.38
Nickel	mg/kg					16.9	16.4	7.2
Zinc	mg/kg					21.7 L		23.2
Total Petroleum Hydrocarbons	mg/kg					260	130	160
Tetrachloroethylene (screening)	µg/kg		7		9			

Notes: 1. Only Detects Shown
2. Printed on 07/02/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-TP-12S	NK-TP-12W	NK-TP-13E	NK-TP-13N	NK-TP-13S	NK-TP-13W	NK-TP-13W
	Sample ID	1635149	1635152	1635155	1635153	1635154	1635156	1635157
	Sample Date	06/09/1997	06/09/1997	06/09/1997	06/09/1997	06/09/1997	06/09/1997	06/09/1997
	Sample Time	09:56	10:04	10:14	10:08	10:10	10:16	10:17
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A7F100149040	A7F100149043	A7F100149046	A7F100149044	A7F100149045	A7F100149047	A7F100149048
Constituent	Units							
Date Metals Analyzed	-	06/27/1997	06/23/1997	06/23/1997	06/23/1997	06/23/1997	06/23/1997	06/23/1997
Date Organics Analyzed	-							
Date Physical Analysed	-							
Barium	mg/kg	18.9	24.0				26.3	23.1
Cadmium	mg/kg	0.60						
Chromium	mg/kg	8.9	6.3	6.0	6.8	6.1	6.7	6.2
Lead	mg/kg	9.7	2.7	2.7	3.1	3.0	6.2	7.2
Mercury	mg/kg	1.2						
Nickel	mg/kg	6.5	4.7	5.8	6.5		5.4	5.3
Zinc	mg/kg	20.9					21.9	22.6
Total Petroleum Hydrocarbons	mg/kg							
Tetrachloroethylene (screening)	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 07/02/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-SB-01	NK-SB-01	NK-SB-01	NK-SB-01	NK-SB-02	NK-SB-02	NK-SB-02
	Sample ID	1006253	1006254	1006254	1006255	1006256	1006257	1006257
	Sample Date	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995
	Sample Time	08:36	08:19	08:19	08:45	08:56	09:03	09:03
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	LEA
	Lab. Number	95-00169-416	AEL95008786	95-00170-417	95-00171-418	95-00172-419	AEL95008787	95-00173-420
Constituent	Units							
Date Metals Analyzed	-		08/16/1995				08/16/1995	
Date Organics Analyzed	-	08/08/1995	08/18/1995	08/08/1995	08/08/1995	08/08/1995	08/18/1995	08/08/1995
Date PCBs Analyzed	-		08/22/1995				08/22/1995	
Date Physical Analysed	-							
Arsenic	mg/kg		<1.11				<1.13	
Barium	mg/kg		16				9.03	
Cadmium	mg/kg		<3.34				<3.39	
Chromium	mg/kg		6.91				6.32	
Lead	mg/kg		<22.3				<22.6	
Mercury	mg/kg		<0.223				<0.226	
Nickel	mg/kg							
Selenium	mg/kg		<1.11				<1.13	
Silver	mg/kg		<5.57				<5.64	
Zinc	mg/kg							
PCB 1016	µg/kg		<230				<230	
PCB 1221	µg/kg		<230				<230	
PCB 1232	µg/kg		<230				<230	
PCB 1242	µg/kg		<230				<230	
PCB 1248	µg/kg		<230				<230	
PCB 1254	µg/kg		<230				<230	
PCB 1260	µg/kg		<230				<230	
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Acetone	µg/kg		<26				<25	
Acetonitrile	µg/kg							
Acrolein	µg/kg		<13				<13	
Acrylonitrile	µg/kg		<13				<13	

Notes: 1. Printed on 07/02/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-SB-01	NK-SB-01	NK-SB-01	NK-SB-01	NK-SB-02	NK-SB-02	NK-SB-02
	Sample ID	1006253	1006254	1006254	1006255	1006256	1006257	1006257
	Sample Date	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995
	Sample Time	08:36	08:19	08:19	08:45	08:56	09:03	09:03
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	LEA
	Lab. Number	95-00169-416	AEL95008786	95-00170-417	95-00171-418	95-00172-419	AEL95008787	95-00173-420
Constituent	Units							
Allyl Chloride	µg/kg							
Benzene	µg/kg		<5.1				<5.1	
Benzene (screening)	µg/kg	<3		<3	<3	<3		<3
Bromobenzene	µg/kg		<5.1				<5.1	
Bromoform	µg/kg		<5.1				<5.1	
Carbon Disulfide	µg/kg		<5.1				<5.1	
Carbon Tetrachloride	µg/kg		<5.1				<5.1	
Chlorobenzene	µg/kg		<5.1				<5.1	
Chlorodibromomethane	µg/kg		<5.1				<5.1	
Chloroethane	µg/kg		<5.1				<5.1	
Chloroethyl Vinyl Ether,2-	µg/kg		<5.1				<5.1	
Chloroform	µg/kg		<5.1				<5.1	
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg		<5.1				<5.1	
Chlorotoluene,p-	µg/kg		<5.1				<5.1	
Dibromomethane	µg/kg		<5.1				<5.1	
Dichlorobenzene,1,2-	µg/kg		<5.1				<5.1	
Dichlorobenzene,1,3-	µg/kg		<5.1				<5.1	
Dichlorobenzene,1,4-	µg/kg		<5.1				<5.1	
Dichlorobromomethane	µg/kg		<5.1				<5.1	
Dichlorodifluoromethane	µg/kg		<5.1				<5.1	
Dichloroethane,1,1-	µg/kg		<5.1				<5.1	
Dichloroethane,1,2-	µg/kg		<5.1				<5.1	
Dichloroethylene,1,1-	µg/kg		<5.1				<5.1	
Dichloroethylene,1,2-cis-	µg/kg		<5.1				<5.1	
Dichloroethylene,1,2-trans-	µg/kg		<5.1				<5.1	
Dichloropropane,1,2-	µg/kg		<5.1				<5.1	
Dichloropropylene,1,3-	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

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	Location ID	NK-SB-01	NK-SB-01	NK-SB-01	NK-SB-01	NK-SB-02	NK-SB-02	NK-SB-02
	Sample ID	1006253	1006254	1006254	1006255	1006256	1006257	1006257
	Sample Date	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995
	Sample Time	08:36	08:19	08:19	08:45	08:56	09:03	09:03
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	LEA
	Lab. Number	95-00169-416	AEL95008786	95-00170-417	95-00171-418	95-00172-419	AEL95008787	95-00173-420
Constituent	Units							
Dichloropropylene,1,3-cis-	µg/kg		<5.1				<5.1	
Dichloropropylene,1,3-trans-	µg/kg		<5.1				<5.1	
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg		<5.1				<5.1	
Ethylbenzene (screening)	µg/kg	<4		<5	<5	<5		<5
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg		<13				<13	
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg		<5.1				<5.1	
Methyl Chloride	µg/kg		<5.1				<5.1	
Methyl Ethyl Ketone	µg/kg		<13				<13	
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg		<13				<13	
Methyl-tert-butyl Ether	µg/kg		<5.1				<5.1	
Methylene Chloride	µg/kg		<13				<13	
Propionitrile	µg/kg							
Styrene	µg/kg		<5.1				<5.1	
Tetrachloroethane,1,1,1,2-	µg/kg		<5.1				<5.1	
Tetrachloroethane,1,1,2,2-	µg/kg		<5.1				<5.1	
Tetrachloroethylene	µg/kg		<5.1				<5.1	
Tetrachloroethylene (screening)	µg/kg	<5		<5	<5	7		9
Toluene	µg/kg		<5.1				<5.1	
Toluene (screening)	µg/kg	<4		<5	<5	<5		<5
Trichloroethane,1,1,1-	µg/kg		<5.1				<5.1	
Trichloroethane,1,1,1- (screening)	µg/kg	<8		<8	<8	<8		<8

Notes: 1. Printed on 07/02/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-SB-01	NK-SB-01	NK-SB-01	NK-SB-01	NK-SB-02	NK-SB-02	NK-SB-02
	Sample ID	1006253	1006254	1006254	1006255	1006256	1006257	1006257
	Sample Date	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995
	Sample Time	08:36	08:19	08:19	08:45	08:56	09:03	09:03
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	LEA
	Lab. Number	95-00169-416	AEL95008786	95-00170-417	95-00171-418	95-00172-419	AEL95008787	95-00173-420
Constituent	Units							
Trichloroethane,1,1,2-	µg/kg		<5.1				<5.1	
Trichloroethylene	µg/kg		<5.1				<5.1	
Trichloroethylene (screening)	µg/kg	<7		<8	<8	<8		<8
Trichloromonofluoromethane	µg/kg		<5.1				<5.1	
Trichloropropane,1,2,3-	µg/kg		<5.1				<5.1	
Vinyl Acetate	µg/kg		<5.1				<5.1	
Vinyl Chloride	µg/kg		<5.1				<5.1	
Xylene,o- (screening)	µg/kg	<6		<6	<6	<6		<6
Xylenes (Total)	µg/kg		<5.1				<5.1	
Xylenes,m- & p- (screening)	µg/kg	<3		<3	<3	<3		<3

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

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	Location ID	NK-SB-02	NK-TP-12E	NK-TP-12E	NK-TP-12N	NK-TP-12S	NK-TP-12W	NK-TP-13E
	Sample ID	1006258	1635150	1635151	1635148	1635149	1635152	1635155
	Sample Date	08/08/1995	06/09/1997	06/09/1997	06/09/1997	06/09/1997	06/09/1997	06/09/1997
	Sample Time	09:09	10:00	10:01	09:54	09:56	10:04	10:14
	Sample Depth	4' - 6'						
	Laboratory	LEA	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	95-00174-421	A7F100149041	A7F100149042	A7F100149039	A7F100149040	A7F100149043	A7F100149046
Constituent	Units							
Date Metals Analyzed	-		06/23/1997	06/23/1997	06/27/1997	06/27/1997	06/23/1997	06/23/1997
Date Organics Analyzed	-	08/08/1995	06/21/1997	06/21/1997	06/21/1997	06/21/1997	06/21/1997	06/21/1997
Date PCBs Analyzed	-							
Date Physical Analysed	-		06/24/1997	06/24/1997	06/24/1997	06/24/1997	06/24/1997	06/24/1997
Arsenic	mg/kg		<1.3 U	<1.4 U	<1.2 U	<1.2 U	<1.2 U	<1.1 U
Barium	mg/kg		20.1	20.7	42.2	18.9	24.0	<17.2 U
Cadmium	mg/kg		0.95	0.71	0.40	0.60	<0.12 U	<0.11 U
Chromium	mg/kg		8.3	8.7	10.1	8.9	6.3	6.0
Lead	mg/kg		29.3	26.0	9.7	9.7	2.7	2.7
Mercury	mg/kg		15.0	10.3	0.38	1.2	<0.18 U	<0.17 U
Nickel	mg/kg		16.9	16.4	7.2	6.5	4.7	5.8
Selenium	mg/kg		<1.1 U	<1.1 U	<0.92 U	<0.95 U	<0.94 U	<0.92 U
Silver	mg/kg		<4.0 U	<4.1 U	<3.5 U	<3.6 U	<3.5 U	<3.4 U
Zinc	mg/kg		21.7 L	<20.6 U	23.2	20.9	<17.5 U	<17.2 U
PCB 1016	µg/kg							
PCB 1221	µg/kg							
PCB 1232	µg/kg							
PCB 1242	µg/kg							
PCB 1248	µg/kg							
PCB 1254	µg/kg							
PCB 1260	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Total Petroleum Hydrocarbons	mg/kg		260	130	160	<59 U	<58 U	<57 U
Dichloro-2-butylene,1,4-trans-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Acetone	µg/kg		<130 U	<140 U	<120 U	<120 U	<120 U	<110 U
Acetonitrile	µg/kg		<66 U	<69 U	<58 U	<59 U	<58 U	<57 U
Acrolein	µg/kg		<66 U	<69 U	<58 U	<59 U	<58 U	<57 U
Acrylonitrile	µg/kg		<130 U	<140 U	<120 U	<120 U	<120 U	<110 U

Notes: 1. Printed on 07/02/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-SB-02	NK-TP-12E	NK-TP-12E	NK-TP-12N	NK-TP-12S	NK-TP-12W	NK-TP-13E
	Sample ID	1006258	1635150	1635151	1635148	1635149	1635152	1635155
	Sample Date	08/08/1995	06/09/1997	06/09/1997	06/09/1997	06/09/1997	06/09/1997	06/09/1997
	Sample Time	09:09	10:00	10:01	09:54	09:56	10:04	10:14
	Sample Depth	4' - 6'						
	Laboratory	LEA	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	95-00174-421	A7F100149041	A7F100149042	A7F100149039	A7F100149040	A7F100149043	A7F100149046
Constituent	Units							
Allyl Chloride	µg/kg		<130 U	<140 U	<120 U	<120 U	<120 U	<110 U
Benzene	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Benzene (screening)	µg/kg	<3						
Bromobenzene	µg/kg							
Bromoform	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Carbon Disulfide	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Carbon Tetrachloride	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Chlorobenzene	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Chlorodibromomethane	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Chloroethane	µg/kg		<13 U	<14 U	<12 U	<12 U	<12 U	<11 U
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Chloroprene,beta-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Dichlorodifluoromethane	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Dichloroethane,1,1-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Dichloroethane,1,2-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Dichloroethylene,1,1-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Dichloroethylene,1,2-cis-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Dichloroethylene,1,2-trans-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Dichloropropane,1,2-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Dichloropropylene,1,3-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U

Notes: 1. Printed on 07/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

DRAFT

	Location ID	NK-SB-02	NK-TP-12E	NK-TP-12E	NK-TP-12N	NK-TP-12S	NK-TP-12W	NK-TP-13E
	Sample ID	1006258	1635150	1635151	1635148	1635149	1635152	1635155
	Sample Date	*08/08/1995*	*06/09/1997*	*06/09/1997*	*06/09/1997*	*06/09/1997*	*06/09/1997*	*06/09/1997*
	Sample Time	09:09	10:00	10:01	09:54	09:56	10:04	10:14
	Sample Depth	4' - 6'						
	Laboratory	LEA	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	95-00174-421	A7F100149041	A7F100149042	A7F100149039	A7F100149040	A7F100149043	A7F100149046
Constituent	Units							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg		<200 U	<210 U	<170 U	<180 U	<180 U	<170 U
Ethyl Methacrylate	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Ethylbenzene	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Ethylbenzene (screening)	µg/kg	<5						
Ethylene Dibromide	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Hexanone,2-	µg/kg		<66 U	<69 U	<58 U	<59 U	<58 U	<57 U
Iodomethane	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Isobutyl Alcohol	µg/kg		<66 U	<69 U	<58 U	<59 U	<58 U	<57 U
Methacrylonitrile	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Methyl Bromide	µg/kg		<13 U	<14 U	<12 U	<12 U	<12 U	<11 U
Methyl Chloride	µg/kg		<13 U	<14 U	<12 U	<12 U	<12 U	<11 U
Methyl Ethyl Ketone	µg/kg		<130 U	<140 U	<120 U	<120 U	<120 U	<110 U
Methyl Methacrylate	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Methyl-2-pentanone,4-	µg/kg		<13 U	<14 U	<12 U	<12 U	<12 U	<11 U
Methyl-tert-butyl Ether	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Methylene Chloride	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Propionitrile	µg/kg		<26 U	<27 U	<23 U	<24 U	<23 U	<23 U
Styrene	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Tetrachloroethane,1,1,1,2-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Tetrachloroethane,1,1,2,2-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Tetrachloroethylene	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Tetrachloroethylene (screening)	µg/kg	<5						
Toluene	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Toluene (screening)	µg/kg	<5						
Trichloroethane,1,1,1-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Trichloroethane,1,1,1- (screening)	µg/kg	<8						

Notes: 1. Printed on 07/02/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-SB-02	NK-TP-12E	NK-TP-12E	NK-TP-12N	NK-TP-12S	NK-TP-12W	NK-TP-13E
	Sample ID	1006258	1635150	1635151	1635148	1635149	1635152	1635155
	Sample Date	08/08/1995	06/09/1997	06/09/1997	06/09/1997	06/09/1997	06/09/1997	06/09/1997
	Sample Time	09:09	10:00	10:01	09:54	09:56	10:04	10:14
	Sample Depth	4' - 6'						
	Laboratory	LEA	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	95-00174-421	A7F100149041	A7F100149042	A7F100149039	A7F100149040	A7F100149043	A7F100149046
Constituent	Units							
Trichloroethane,1,1,2-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Trichloroethylene	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Trichloroethylene (screening)	µg/kg	<8						
Trichloromonofluoromethane	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Trichloropropane,1,2,3-	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Vinyl Acetate	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Vinyl Chloride	µg/kg		<13 U	<14 U	<12 U	<12 U	<12 U	<11 U
Xylene,o- (screening)	µg/kg	<6						
Xylenes (Total)	µg/kg		<6.6 U	<6.9 U	<5.8 U	<5.9 U	<5.8 U	<5.7 U
Xylenes,m- & p- (screening)	µg/kg	<3						

Notes: 1. Printed on 07/02/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-TP-13N	NK-TP-13S	NK-TP-13W	NK-TP-13W			
	Sample ID	1635153	1635154	1635156	1635157			
	Sample Date	06/09/1997	06/09/1997	06/09/1997	06/09/1997			
	Sample Time	10:08	10:10	10:16	10:17			
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN	QUAN			
	Lab. Number	A7F100149044	A7F100149045	A7F100149047	A7F100149048			
Constituent	Units							
Date Metals Analyzed	-	06/23/1997	06/23/1997	06/23/1997	06/23/1997			
Date Organics Analyzed	-	06/21/1997	06/21/1997	06/21/1997	06/21/1997			
Date PCBs Analyzed	-							
Date Physical Analysed	-	06/24/1997	06/24/1997	06/24/1997	06/24/1997			
Arsenic	mg/kg	<1.2 U	<1.2 U	<1.2 U	<1.2 U			
Barium	mg/kg	<17.3 U	<17.6 U	26.3	23.1			
Cadmium	mg/kg	<0.12 U	<0.12 U	<0.12 U	<0.12 U			
Chromium	mg/kg	6.8	6.1	6.7	6.2			
Lead	mg/kg	3.1	3.0	6.2	7.2			
Mercury	mg/kg	<0.17 U	<0.18 U	<0.18 U	<0.18 U			
Nickel	mg/kg	6.5	<4.7 U	5.4	5.3			
Selenium	mg/kg	<0.92 U	<0.94 U	<0.96 U	<0.96 U			
Silver	mg/kg	<3.5 U	<3.5 U	<3.6 U	<3.6 U			
Zinc	mg/kg	<17.3 U	<17.6 U	21.9	22.6			
PCB 1016	µg/kg							
PCB 1221	µg/kg							
PCB 1232	µg/kg							
PCB 1242	µg/kg							
PCB 1248	µg/kg							
PCB 1254	µg/kg							
PCB 1260	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Total Petroleum Hydrocarbons	mg/kg	<58 U	<59 U	<60 U	<60 U			
Dichloro-2-butylene,1,4-trans-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Acetone	µg/kg	<120 U	<120 U	<120 U	<120 U			
Acetonitrile	µg/kg	<58 U	<59 U	<60 U	<60 U			
Acrolein	µg/kg	<58 U	<59 U	<60 U	<60 U			
Acrylonitrile	µg/kg	<120 U	<120 U	<120 U	<120 U			

Notes: 1. Printed on 07/02/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-TP-13N	NK-TP-13S	NK-TP-13W	NK-TP-13W			
	Sample ID	1635153	1635154	1635156	1635157			
	Sample Date	06/09/1997	06/09/1997	06/09/1997	06/09/1997			
	Sample Time	10:08	10:10	10:16	10:17			
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN	QUAN			
	Lab. Number	A7F100149044	A7F100149045	A7F100149047	A7F100149048			
Constituent	Units							
Allyl Chloride	µg/kg	<120 U	<120 U	<120 U	<120 U			
Benzene	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Benzene (screening)	µg/kg							
Bromobenzene	µg/kg							
Bromoform	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Carbon Disulfide	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Carbon Tetrachloride	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Chlorobenzene	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Chlorodibromomethane	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Chloroethane	µg/kg	<12 U	<12 U	<12 U	<12 U			
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Chloroprene,beta-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Dichlorodifluoromethane	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Dichloroethane,1,1-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Dichloroethane,1,2-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Dichloroethylene,1,1-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Dichloroethylene,1,2-cis-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Dichloroethylene,1,2-trans-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Dichloropropane,1,2-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Dichloropropylene,1,3-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			

Notes: 1. Printed on 07/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

DRAFT

	Location ID	NK-TP-13N	NK-TP-13S	NK-TP-13W	NK-TP-13W			
	Sample ID	1635153	1635154	1635156	1635157			
	Sample Date	06/09/1997	06/09/1997	06/09/1997	06/09/1997			
	Sample Time	10:08	10:10	10:16	10:17			
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN	QUAN			
	Lab. Number	A7F100149044	A7F100149045	A7F100149047	A7F100149048			
Constituent	Units							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg	<170 U	<180 U	<180 U	<180 U			
Ethyl Methacrylate	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Ethylbenzene	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Hexanone,2-	µg/kg	<58 U	<59 U	<60 U	<60 U			
Iodomethane	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Isobutyl Alcohol	µg/kg	<58 U	<59 U	<60 U	<60 U			
Methacrylonitrile	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Methyl Bromide	µg/kg	<12 U	<12 U	<12 U	<12 U			
Methyl Chloride	µg/kg	<12 U	<12 U	<12 U	<12 U			
Methyl Ethyl Ketone	µg/kg	<120 U	<120 U	<120 U	<120 U			
Methyl Methacrylate	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Methyl-2-pentanone,4-	µg/kg	<12 U	<12 U	<12 U	<12 U			
Methyl-tert-butyl Ether	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Methylene Chloride	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Propionitrile	µg/kg	<23 U	<24 U	<24 U	<24 U			
Styrene	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Tetrachloroethane,1,1,1,2-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Tetrachloroethane,1,1,2,2-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Tetrachloroethylene	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Tetrachloroethylene (screening)	µg/kg							
Toluene	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Toluene (screening)	µg/kg							
Trichloroethane,1,1,1-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Trichloroethane,1,1,1- (screening)	µg/kg							

Notes: 1. Printed on 07/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Septic System and Dry Well Area

DRAFT

	Location ID	NK-TP-13N	NK-TP-13S	NK-TP-13W	NK-TP-13W			
	Sample ID	1635153	1635154	1635156	1635157			
	Sample Date	06/09/1997	06/09/1997	06/09/1997	06/09/1997			
	Sample Time	10:08	10:10	10:16	10:17			
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN	QUAN			
	Lab. Number	A7F100149044	A7F100149045	A7F100149047	A7F100149048			
Constituent	Units							
Trichloroethane,1,1,2-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Trichloroethylene	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Trichloroethylene (screening)	µg/kg							
Trichloromonofluoromethane	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Trichloropropane,1,2,3-	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Vinyl Acetate	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Vinyl Chloride	µg/kg	<12 U	<12 U	<12 U	<12 U			
Xylene,o- (screening)	µg/kg							
Xylenes (Total)	µg/kg	<5.8 U	<5.9 U	<6.0 U	<6.0 U			
Xylenes,m- & p- (screening)	µg/kg							

Notes: 1. Printed on 07/02/98

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Table 4

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SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - GROUNDWATER

P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-GP-20						
	Sample ID	1016968						
	Sample Date	01/01/1993						
	Laboratory	unkM						
	Lab. Number	unk1016968						
Constituent	Units							
Tetrachloroethylene (screening)	µg/l	2.2						

Notes: 1. Only Detects Shown
2. Printed on 07/02/98

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Table 5

DRAFT

SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-GP-20						
	Sample ID	1016968						
	Sample Date	01/01/1993						
	Laboratory	unkM						
	Lab. Number	unk1016968						
Constituent	Units							
Benzene (screening)	µg/l	<5						
Dichloroethylene,1,1- (screening)	µg/l	<5						
Dichloroethylene,1,2-cis- (screening)	µg/l	<5						
Dichloroethylene,1,2-trans- (screening)	µg/l	<5						
Ethylbenzene (screening)	µg/l	<5						
Tetrachloroethylene (screening)	µg/l	2.2						
Toluene (screening)	µg/l	<5						
Trichloroethane,1,1,1- (screening)	µg/l	<5						
Trichloroethylene (screening)	µg/l	<5						
Vinyl Chloride (screening)	µg/l	<5						
Xylenes,m- & p- (screening)	µg/l	<5						
Xylenes,o- & p- (screening)	µg/l	<5						

Notes: 1. Printed on 07/02/98

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Table 6

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SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SLUDGE

P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-SL-05						
	Sample ID	1006168						
	Sample Date	08/02/1995						
	Sample Time	14:00						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008562						
Constituent	Units							
Date Metals Analyzed	-	08/16/1995						
Date Organics Analyzed	-	08/08/1995						
Barium	mg/kg	64.6						
Mercury	mg/kg	0.628						
Xylenes (Total)	µg/kg	45						

Notes: 1. Only Detects Shown
2. Printed on 07/02/98

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Table 7

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SUMMARY OF ANALYTICAL RESULTS - SLUDGE
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-SL-05						
	Sample ID	1006168						
	Sample Date	08/02/1995						
	Sample Time	14:00						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008562						
Constituent	Units							
Date Metals Analyzed	-	08/11/1995						
Date Organics Analyzed	-	08/08/1995						
Date PCBs Analyzed	-	08/21/1995						
Arsenic	mg/kg	<1.78						
Barium	mg/kg	64.6						
Cadmium	mg/kg	<5.35						
Chromium	mg/kg	<8.92						
Lead	mg/kg	<35.7						
Mercury	mg/kg	0.628						
Selenium	mg/kg	<1.78						
Silver	mg/kg	<8.92						
PCB 1016	µg/kg	<1300						
PCB 1221	µg/kg	<1300						
PCB 1232	µg/kg	<1300						
PCB 1242	µg/kg	<1300						
PCB 1248	µg/kg	<1300						
PCB 1254	µg/kg	<1300						
PCB 1260	µg/kg	<1300						
Acetone	µg/kg	<180						
Acrolein	µg/kg	<88						
Acrylonitrile	µg/kg	<88						
Benzene	µg/kg	<35						
Bromobenzene	µg/kg	<35						
Bromoform	µg/kg	<35						
Carbon Disulfide	µg/kg	<35 N1						
Carbon Tetrachloride	µg/kg	<35						
Chlorobenzene	µg/kg	<35						
Chlorodibromomethane	µg/kg	<35						

Notes: 1. Printed on 07/02/98

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Table 7

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SUMMARY OF ANALYTICAL RESULTS - SLUDGE
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-SL-05						
	Sample ID	1006168						
	Sample Date	08/02/1995						
	Sample Time	14:00						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008562						
Constituent	Units							
Chloroethane	µg/kg	<35						
Chloroethyl Vinyl Ether,2-	µg/kg	<35						
Chloroform	µg/kg	<35						
Chlorotoluene,o-	µg/kg	<35						
Chlorotoluene,p-	µg/kg	<35						
Dibromomethane	µg/kg	<35						
Dichlorobenzene,1,2-	µg/kg	<35						
Dichlorobenzene,1,3-	µg/kg	<35						
Dichlorobenzene,1,4-	µg/kg	<35						
Dichlorobromomethane	µg/kg	<35						
Dichlorodifluoromethane	µg/kg	<35						
Dichloroethane,1,1-	µg/kg	<35						
Dichloroethane,1,2-	µg/kg	<35						
Dichloroethylene,1,1-	µg/kg	<35						
Dichloroethylene,1,2-cis-	µg/kg	<35 N1						
Dichloroethylene,1,2-trans-	µg/kg	<35						
Dichloropropane,1,2-	µg/kg	<35						
Dichloropropylene,1,3-cis-	µg/kg	<35						
Dichloropropylene,1,3-trans-	µg/kg	<35						
Ethylbenzene	µg/kg	<35 N1						
Hexanone,2-	µg/kg	<88						
Methyl Bromide	µg/kg	<35						
Methyl Chloride	µg/kg	<35						
Methyl Ethyl Ketone	µg/kg	<88						
Methyl-2-pentanone,4-	µg/kg	<88						
Methyl-tert-butyl Ether	µg/kg	<35						
Methylene Chloride	µg/kg	<35						
Styrene	µg/kg	<35						

Notes: 1. Printed on 07/02/98

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Table 7

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SUMMARY OF ANALYTICAL RESULTS - SLUDGE
P&W East Hartford: X-415 Septic System and Dry Well Area

	Location ID	NK-SL-05						
	Sample ID	1006168						
	Sample Date	08/02/1995						
	Sample Time	14:00						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008562						
Constituent	Units							
Tetrachloroethane,1,1,1,2-	µg/kg	<35						
Tetrachloroethane,1,1,2,2-	µg/kg	<35						
Tetrachloroethylene	µg/kg	<35						
Toluene	µg/kg	<35 N1						
Trichloroethane,1,1,1-	µg/kg	<35						
Trichloroethane,1,1,2-	µg/kg	<35						
Trichloroethylene	µg/kg	<35						
Trichloromonofluoromethane	µg/kg	<35						
Trichloropropane,1,2,3-	µg/kg	<35						
Vinyl Acetate	µg/kg	<35						
Vinyl Chloride	µg/kg	<35						
Xylenes (Total)	µg/kg	45						

Notes: 1. Printed on 07/02/98

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DRAWINGS

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2583

Facility Name: PRATT & WHITNEY - MAIN STREET

Facility ID#: CTD990672081

Phase Classification: R-1B

Purpose of Target Sheet:

[X] Oversized (in Site File) [ ] Oversized (in Map Drawer)

[ ] Page(s) Missing (Please Specify Below)

[ ] Privileged [ ] Other (Provide Purpose Below)

Description of Oversized Material, if applicable:

DRAWING 1: SOIL INVESTIGATIONS, 415 AREA SEPTIC TANK, LOCATION & CONSTITUENTS DETECTED MAP

[X] Map [ ] Photograph [ ] Other (Specify Below)

* Please Contact the EPA New England RCRA Records Center to View This Document *

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UNIT-SPECIFIC TECHNICAL MEMORANDUM: X-415 Aboveground Storage Tank
PRATT & WHITNEY, EAST HARTFORD, CT

AREA: North Klondike

SUB-AREA: X-415

ENVIRONMENTAL UNIT: X-415 Aboveground Storage Tank

Location: In the North Klondike Area, this unit is located on the fourth road north on the North Access Road from Perimeter Road. The former aboveground storage tank (AST) was located on the west side of the X-415 Area (Drawing 1).

Description: The former fuel oil AST, approximately 5,000-gallons in size, was located on three concrete saddles to the west of the X-415 Test Stand. The AST provided fuel oil for the former building for the X-415 Test Stand. Presently, only the foundation of the former building remains.

Dates of Operation: Approximately 1957 to 1993. The X-415 Test Stand was built in 1957 and remained in place until it was demolished in the early 1990's.

Processes: Supply fuel oil to the X-415 Test Stand building.

Aerial Photographs: Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys, Inc. Four small aerial photographs were obtained from the Pratt & Whitney (P&W) Photographic Services Department.

All of these aerial photographs confirm that the building in the X-415 Area was an existing structure in the North Klondike as early as 1965. It is assumed that the dates of operation of the AST would have paralleled the existence of the building.

Specific Contaminants of Concern: No. 2 or No. 4 fuel oil are the primary constituents of concern. In order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, and zinc), and total petroleum hydrocarbons (TPH).

Potential Release Mechanism: Impacts to soils and groundwater from potential spills or leaks associated with tank filling and tank leakage from the bulk fuel oil storage tank.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with the former 5,000-gallon fuel oil AST, a subsurface investigation to determine the degree and extent of soil contamination in the vicinity of the tank was performed in July, September, and October 1996. Prior to 1996, no investigation in the vicinity of the tank had reportedly been performed. The remediation of soils in the vicinity

of this unit was conducted in April 1997. The investigation and the remediation are discussed below in chronological order.

July 1996 Investigation (Loureiro Engineering Associates, P.C.):

Description: On July 15 and 16, 1996, four soil borings, NK-SB-26 through NK-SB-29, were advanced in the vicinity of the former AST by Loureiro Engineering Associates, P.C. (LEA). The sampling locations are shown on Drawing 1. The boring locations were selected to provide coverage of the approximate footprint of the former AST. Soil samples were collected from each of the borings in continuous 2-foot intervals to 14 feet, with a 1-foot interval from 14 to 15 feet. The depth of 15 feet was selected to ensure that the varved clay was encountered and that sufficient data was collected for comparisons against the direct exposure criteria in the Connecticut Remediation Standard Regulation (RSR).

A total of thirty-four soil samples were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs, benzene (BZ), ethylbenzene (EBZ), tetrachloroethylene (PCE), toluene (TL), 1,1,1-trichloroethane (TCA), trichloroethylene (TCE), and xylenes (XYL). Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, two samples from each boring were also submitted to Averill Environmental Laboratory, Inc. (AEL) for analysis. The samples were analyzed for the presence of VOCs, metals, and TPH. Select samples were also analyzed for metals by the synthetic precipitation leaching procedure (SPLP).

In addition, a single groundwater sample was collected from boring NK-SB-26 using Geoprobe® screenpoint groundwater sampling techniques. The groundwater samples was collected from a depth of 7 to 9 feet below the ground. The groundwater sample was submitted to AEL and analyzed also for the presence of VOCs, metals, and TPH. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Based on the boring logs, groundwater was encountered at approximately 3 feet and varved clay was encountered at 8 feet in all four borings. Based on the boring logs, a strong hydrocarbon odor was noted for the 2 to 4 interval in borings NK-SB- 27 through NK-SB-29. No other visual or olfactory evidence of contamination was noted on the boring logs for these soil borings.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of sample analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1. Only one VOC, carbon disulfide (CDIS) was detected in the borings. The highest concentration of CDIS detected was a concentration of 6 μg/kg in boring NK-SB-27 for the 2 to 4 foot interval.

TPH was detected in soil samples from soil borings NK-SB-27 and NK-SB-29. The highest TPH concentration detected was 7230 milligrams per kilogram (mg/kg) in boring NK-SB-29 at a depth of 2 to 4 feet. An elevated concentration of TPH, 609 mg/kg, was also detected in the soil sample from the 2 to 4 foot interval in soil boring NK-SB-27.

One or more of the metals analyzed were detected in each of the eight samples submitted for analysis. These metals include arsenic, barium, cadmium, chromium, nickel, and zinc. In addition, barium, lead, and zinc were detected in one or more of the four soil samples submitted for SPLP metals analysis.

Concentrations of constituents detected in the groundwater sample are presented in Table 4. A complete summary of groundwater analytical results with detection limits is presented in Table 5. Detected concentrations at each sampling location are shown on Drawing 2. Chloroform (CFM) was the only VOC detected, at a concentration of 1.4 micrograms per liter (μg/l) in the groundwater sample analyzed by AEL for boring NK-SB-26. TPH was not detected in this groundwater sample. Barium and zinc were the only metals detected.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations for various metals. For a more detailed discussion of background concentrations of metals in soil refer to *Technical Memorandum (TM) 4, Background Soil Sampling and Analysis*. Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. The evaluation of the soils data is based on a comparison to the residential direct exposure criteria (RDEC), the industrial/commercial direct exposure criteria (IDEC), and the GB pollutant mobility criteria (GBPMC) included in the RSR. Groundwater data from the Geoprobe® screenpoint samples were compared to the default numeric surface water protection criteria (SWPC), the residential volatilization criteria (RVC), and the industrial/commercial volatilization criteria (IVC) included in the RSR.

The concentrations of the metals detected in the soil samples are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the default numeric RDEC, IDEC, or GBPMC were noted.

CDIS, at a low concentration, was the only VOC detected in soil during this investigation. Based on the concentration of CDIS and its presence in only one soil sample, the presence of CDIS was most likely not released from the tank.

For the TPH detected in the soil sample from borings NK-SB-29, an exceedance of the default numeric RDEC, IDEC, and GBPMC were noted, while for the TPH detected in the soil sample from borings NK-SB-27, an exceedance of the default numeric RDEC was noted. Soil exceedances of the RDEC, IDEC, and the GBPMC are shown in Table 6, Table 7, and Table 8, respectively. Based on the presence of TPH in the vicinity of the tank, there is evidence that a release of petroleum has occurred. The degree and extent of soil contamination resulting from the release has not been adequately characterized.

CFM, at a low concentration, was the only VOC detected in the groundwater during this investigation. For the CFM detected in groundwater, no exceedances of the SWPC, RVC, or the IVC were noted. Based on the concentration of CFM and its presence in only one sample, the source of the CFM detected in the groundwater sample is also not likely related to the tank. For the barium and zinc detected in groundwater, the concentrations detected correspond to

background concentrations for these metals. No exceedances of the SWPC were noted. For a more detailed account of the groundwater sampling conducted in this area refer to *Technical Memorandum (TM) 3, Groundwater Sampling and Quality.*

September and October 1996 Investigation (LEA):

Description: On September 30 through October 2, 1996, nine soil borings, NK-SB-65 through NK-SB-73, were advanced in the vicinity of the 5,000 gallon AST. The sampling locations are shown on Drawing 1. For soil borings NK-SB-65 through NK-SB-67, soil samples were collected from each of the borings in continuous 2-foot intervals to 8 feet. For borings NK-SB-68 through NK-SB-70, soil samples were collected from each of the borings in continuous 2-foot intervals to 6 feet. For borings NK-SB-71 through NK-SB-73, soil samples were collected from each of the borings from 6 to 8 foot intervals.

A total of twenty-six soil samples were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs. Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, specific soil samples were selected of fixed laboratory analysis. Soil samples collected from borings NK-SB-65 through NK-SB-70 for the sampling intervals from 0 to 6 feet were submitted to AEL for analysis. All of the soil samples were analyzed for the presence of TPH. Select soil samples from these borings were also analyzed for VOCs and SVOCs. Soil samples collected from borings NK-SB-65 through NK-SB-67 and NK-SB-71 through NK-SB-73 at a depth of 6 to 8 feet were submitted to AEL and analyzed for metals.

In addition, groundwater samples were collected from borings NK-SB-65 through NK-SB-67 and NK-SB-71 through NK-SB-73 using Geoprobe® screenpoint groundwater sampling techniques. The groundwater samples were collected from a depth of 6 to 8 feet below the ground. These groundwater samples were submitted to AEL and analyzed for the presence of metals. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Based on the boring logs, groundwater was encountered at approximately 6 feet. Varved clay was not encountered in any of the borings. No visual or olfactory evidence of contamination was noted in the boring logs for these soil borings.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of sample analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1. PCE, at a concentration of 6J µg/kg, was the only VOC detected in the results from the LEA Analytical Laboratory. This "J" qualifier indicates that the concentration detected is below the method detection limit. VOCs were not detected in the soil samples submitted to AEL.

TPH was detected in one of nineteen soil samples analyzed for TPH from soil borings NK-SB-65 through NK-SB-73. TPH, at a concentration 151 mg/kg, was detected in boring NK-SB-70 at a depth of 2 to 4 feet. SVOCs were not detected in the soil samples submitted to AEL.

One or more of the metals analyzed were detected in each of the eight samples submitted for

analysis. These metals include barium, chromium, and zinc.

Concentrations of constituents detected in the groundwater samples are presented in Table 4. A complete summary of groundwater analytical results with detection limits is presented in Table 5. Detected concentrations at each sampling location are shown on Drawing 2. Barium and zinc were the only metals detected in the groundwater samples.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations for various metals. The concentrations of the metals detected in the soil samples are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the default numeric RDEC and IDEC were noted.

Based on the presence of TPH in the vicinity of the tank, there is evidence that a release of petroleum has occurred. The degree and extent of soil and groundwater contamination resulting from the release have been adequately characterized.

Zinc was detected in the groundwater at boring NK-SB-73 and was considered to be a background concentration. For a more detailed account of the groundwater sampling conducted in this area refer to *TM 3, Groundwater Sampling and Quality.*

April 1997 Remediation (Environmental Remediation, Inc.):

Description: As part of the Septic System Removal Project conducted in the Airport/Klondike Area, soil in the vicinity of the former X-415 AST was removed on April 21, 1997 by Environmental Remediation, Inc. (ERI). On April 22, 1997, excavation of the soil located along the fuel lines from the former AST to the building foundation was performed. The soil excavated during these removal activities was disposed of off site as a non-hazardous waste. The excavation below the former AST, and identified as NK-TP-17, was approximately 17 feet by 14.5 feet by 3 feet deep. The excavation for the fuel lines, and identified as NK-TP-18, was approximately 54 feet by 3 feet by 3 feet deep. The location of the test pits are shown on Drawing 1.

Following the excavation, confirmational soil samples, including duplicate soil samples as applicable, were collected from each of the four sidewalls of the test pits on April 28, 1997. Bottom samples were not collected if the particular excavation extended into the groundwater table. These soil samples were submitted to Environmental Science Services Laboratory (ESS) for analysis. Due to data validation issues, analytical results from ESS were deemed unusable for the Airport/Klondike Project. Subsequent to these concerns, ESS analytical results have not been considered within this Unit-Specific Technical Memorandum.

The confirmational sidewall samples and duplicate samples were recollected on June 10, 1997. These soil samples were submitted to Quanterra Inc. (QNT) for analysis of VOCs, metals, and TPH. A summary of the samples collected and analyses performed are included in Table 1. The sampling locations are shown on Drawing 1.

TPH was detected in soil samples from NK-TP-17N, NK-TP-17S, and NK-TP-17W. The highest concentration of TPH detected was on the west side of the excavation for NK-TP-17W at a concentration of 25,000 mg/kg.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations for various metals. The concentrations of the metals detected in the soil samples are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the default numeric RDEC and IDEC were noted.

TPH was detected along the southern and western sidewall of the excavation above the default numeric criteria at IDEC and the GBPMC. TPH was detected along the northern sidewall of the excavation above the RDEC. Based upon these results, the excavation of additional soils was recommended for the northern, southern, and western sidewalls.

October 1997 Remediation (Cleans Harbors, Inc.):

Description: On October 28, 1997, additional soil was excavated from the North, South, and West walls of test pit NK-TP-17 by Clean Harbors, Inc. (CHES). Additional soil was also excavated from the bottom of the fuel lines trench, NK-TP-18. Upon completion of the additional soil removal, NK-TP-17 was approximately 22 feet wide, 17 feet long and 4 feet deep. The location of the test pits are shown on Drawing 1.

Confirmational sidewall samples were collected on November 11, 1997. These soil samples were submitted to Accutest Laboratories (ACC) for analysis of SVOCs and TPH. A summary of the samples collected and analyses performed are included in Table 1. The sampling locations are shown on Drawing 1.

Analytical Results: Concentrations of constituents detected in the confirmational soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1.

TPH was detected in the soil samples from the southern portion of the West sidewall and the western portion of the South sidewall. The highest concentration of TPH detected was on the western portion of the South sidewall of the excavation at a concentration of 17,000 mg/kg. Pyrene, at a concentration of 603 μg/kg, was the only SVOC detected and was detected on the western portion of the South sidewall.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSR. For the TPH detected in soil, exceedances of the default numeric RDEC, IDEC, and GBPMC were noted along the southern portion of the West sidewall and the western portion of the South sidewall of the excavation. Based upon the TPH results, the excavation of additional soils from the southern portion of the West sidewall and the western portion of the South sidewall was recommended.

November 1997 Remediation (CHES):

Description: On November 26, 1997, additional soil was excavated from the southern portion of the West sidewall and the western portion of the South sidewall of test pit NK-TP-17 by CHES. The location of the test pits are shown on Drawing 1.

The confirmational side wall samples were collected on December 1, 1997. These soil samples were submitted to ACT for analysis of SVOCs and TPH. A summary of the samples collected and analyses performed are included in Table 1. The sampling locations are shown on Drawing 1.

Analytical Results: Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1.

TPH and SVOCs were not detected in the soil samples from the southern portion of the West sidewall and the western portion of the South sidewall.

Data Evaluation and Conclusions: Based on the results of the laboratory analyses of soil samples collected on December 1, 1997, the remediation of the soils surrounding the former underground storage tank has eliminated the impacted soils due to the releases from the AST.

In summary, TPH was detected in the soil sample from borings NK-SB-29 with an exceedance of the default numeric RDEC, IDEC, and GBPMC, while TPH was detected in the soil sample from borings NK-SB-27 with an exceedance of the default numeric RDEC. During the removal of soils impacted by the releases from this unit, additional TPH-impacted soils were identified and removed. All of the soil exceedances identified have been remediated. Based on the results of the laboratory analyses of soil samples, this unit is believed to be adequately characterized and no further investigation or remediation is warranted for this unit.

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TABLES

Table 1

DRAFT

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: X-415 Area Aboveground Storage Tank

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-26	1016016	7/16/96	0	2	SRB	x								
NK-SB-26	1016017	7/16/96	2	4	SRB	x	x					X	x	x
NK-SB-26	1016018	7/16/96	2	4	SRB	x								
NK-SB-26	1016019	7/16/96	4	6	SB	x								
NK-SB-26	1016020	7/16/96	6	8	SB	x	x					X		x
NK-SB-26	1016021	7/16/96	8	10	SB	x								
NK-SB-26	1016022	7/16/96	10	12	SB	x								
NK-SB-26	1016023	7/16/96	12	14	SB	x								
NK-SB-26	1016024	7/16/96	14	15	SB	x						X		
NK-SB-26	1018200	9/12/96	7	9	GW		X					X		x
NK-SB-27	1016000	7/15/96	0	2	SRB	x								
NK-SB-27	1016001	7/15/96	2	4	SRB	x	X					X	X	X
NK-SB-27	1016002	7/15/96	4	6	SB	x								
NK-SB-27	1016003	7/15/96	6	8	SB	x								
NK-SB-27	1016004	7/15/96	8	10	SB	x								
NK-SB-27	1016005	7/15/96	10	12	SB	x	x					X		x
NK-SB-27	1016006	7/15/96	12	14	SB	x						X		
NK-SB-27	1016007	7/15/96	14	15	SB	x								
NK-SB-28	1015991	7/15/96	0	2	SRB	x								
NK-SB-28	1015992	7/15/96	2	4	SRB	x	x					X	x	x
NK-SB-28	1015993	7/15/96	2	4	SB	x								
NK-SB-28	1015994	7/15/96	4	6	SB	x								
NK-SB-28	1015995	7/15/96	6	8	SB	x	x					X		x
NK-SB-28	1015996	7/15/96	8	10	SB	x								
NK-SB-28	1015997	7/15/96	10	12	SB	x								
NK-SB-28	1015998	7/15/96	12	14	SB	x						X		
NK-SB-28	1015999	7/15/96	14	15	SB	x								
NK-SB-29	1016008	7/15/96	0	2	SRB	x								
NK-SB-29	1016009	7/15/96	2	4	SRB	x	x					X	X	X
NK-SB-29	1016010	7/15/96	4	6	SB	x								
NK-SB-29	1016011	7/15/96	6	8	SB	x	x					X		x

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit
2. Printed on 07/01/98

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Table 1

DRAFT

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: X-415 Area Aboveground Storage Tank

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-29	1016012	7/15/96	8	10	SB	x								
NK-SB-29	1016013	7/15/96	10	12	SB	x								
NK-SB-29	1016014	7/15/96	12	14	SB	x						X		
NK-SB-29	1016015	7/15/96	14	15	SB	x								
NK-SB-65	1018628	9/30/96	0	2	SB	x								x
NK-SB-65	1018629	9/30/96	2	4	SB	x								x
NK-SB-65	1018630	9/30/96	4	6	SB	x	x	x						x
NK-SB-65	1018680	10/ 1/96	6	8	GW							X		
NK-SB-65	1018688	10/ 1/96	6	8	SB	x						X		
NK-SB-66	1018624	9/30/96	0	2	SB	x								x
NK-SB-66	1018625	9/30/96	2	4	SB	x								x
NK-SB-66	1018626	9/30/96	2	4	SB	x								x
NK-SB-66	1018627	9/30/96	4	6	SB	x								x
NK-SB-66	1018644	10/ 1/96	6	8	GW							X		
NK-SB-66	1018645	10/ 1/96	6	8	GW							X		
NK-SB-66	1018687	10/ 1/96	6	8	SB	x						X		
NK-SB-67	1018621	9/30/96	0	2	SB	x								x
NK-SB-67	1018622	9/30/96	2	4	SB	x								x
NK-SB-67	1018623	9/30/96	4	6	SB	x								x
NK-SB-67	1018643	10/ 1/96	6	8	GW							X		
NK-SB-67	1018685	10/ 1/96	6	8	SB	x						X		
NK-SB-67	1018686	10/ 1/96	6	8	SB	x						X		
NK-SB-68	1018631	9/30/96	0	2	SB	x								x
NK-SB-68	1018632	9/30/96	2	4	SB	X	x	x						x
NK-SB-68	1018633	9/30/96	4	6	SB	x								x
NK-SB-69	1018634	9/30/96	0	2	SB	x								x
NK-SB-69	1018635	9/30/96	2	4	SB	x	x	x						x
NK-SB-69	1018636	9/30/96	4	6	SB	x								x
NK-SB-70	1018637	9/30/96	0	2	SRB	x								x
NK-SB-70	1018638	9/30/96	2	4	SRB	x	x	x						X
NK-SB-70	1018639	9/30/96	4	6	SB	x								x
NK-SB-71	1018681	10/ 1/96	6	8	GW							X		

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit
2. Printed on 07/01/98

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Table 1

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SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: X-415 Area Aboveground Storage Tank

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-71	1018689	10/ 1/96	6	8	SB	x						X		
NK-SB-72	1018683	10/ 2/96	6	8	GW							X		
NK-SB-72	1018690	10/ 2/96	6	8	SB	x	x					X		
NK-SB-73	1018642	10/ 1/96	6	8	GW							X		
NK-SB-73	1018684	10/ 1/96	6	8	SB	x								
NK-TP-17E	1635165	6/10/97			SS		x					X		x
NK-TP-17N	1635163	6/10/97			SS		x					X		X
NK-TP-17S	1635164	6/10/97			SS		x					X		X
NK-TP-17W	1635166	6/10/97			SS		X					X		X
NK-TP-18B	1635170	6/10/97			SS		x					X		X
NK-TP-18N	1635167	6/10/97			SS		x					X		x
NK-TP-18S1	1635168	6/10/97			SS		x					X		x
NK-TP-18S2	1635169	6/10/97			SS		x					X		x

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 07/01/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-27	NK-SB-27	NK-SB-27
	Sample ID	1016017	1016017	1016020	1016024	1016001	1016001	1016005
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	09:59	09:59	10:30	11:12	13:38	13:38	14:35
	Sample Depth	2' - 4'	2' - 4'	6' - 8'	14' - 15'	2' - 4'	2' - 4'	10' - 12'
	Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	AEL
	Lab. Number	AEL96007932	AEL96010892	AEL96007933	AEL96011284	AEL96007928	AEL96010893	AEL96007929
Constituent	Units							
Date Metals Analyzed	-	07/29/1996		07/29/1996	10/10/1996	07/29/1996		07/29/1996
Date Organics Analyzed	-					07/25/1996		
Date Physical Analysed	-					08/06/1996		
Date of Metals SPLP Analysis	-						10/17/1996	
Date of Other SPLP Analysis	-		10/09/1996				10/09/1996	
Extraction Fluid No.	-		1				1	
Arsenic	mg/kg				9.6			9.09
Barium	mg/kg	52		38.1	338	48.6		265
Barium (SPLP)	mg/L						1.54	
Cadmium	mg/kg				7.74			6.3
Chromium	mg/kg			6.32	54.8	11.5		50.3
Lead	mg/kg							
Lead (SPLP)	mg/L						0.0146	
Mercury	mg/kg							
Nickel	mg/kg				52.4			44.3
Zinc	mg/kg	9.92		13.6	129	12		119
Zinc (SPLP)	mg/L						0.183	
Total Petroleum Hydrocarbons	mg/kg					609		
Carbon Disulfide	µg/kg					6.0		
Methyl Ethyl Ketone	µg/kg							
Tetrachloroethylene (screening)	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 06/30/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-27	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-29	NK-SB-29
	Sample ID	1016006	1015992	1015992	1015995	1015998	1016009	1016009
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	14:45	10:55	10:55	11:17	11:55	15:29	15:29
	Sample Depth	12' - 14'	2' - 4'	2' - 4'	6' - 8'	12' - 14'	2' - 4'	2' - 4'
	Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	AEL
	Lab. Number	AEL96011285	AEL96007926	AEL96010894	AEL96007927	AEL96011286	AEL96007930	AEL96010895
Constituent	Units							
Date Metals Analyzed	-	10/10/1996	07/29/1996		07/29/1996	10/10/1996	07/29/1996	
Date Organics Analyzed	-							
Date Physical Analysed	-						08/06/1996	
Date of Metals SPLP Analysis	-							10/17/1996
Date of Other SPLP Analysis	-			10/09/1996				10/09/1996
Extraction Fluid No.	-			1				1
Arsenic	mg/kg	9.84				8.85		
Barium	mg/kg	295	24.8		40.8	263	49.1	
Barium (SPLP)	mg/L							
Cadmium	mg/kg	7.98				6.64		
Chromium	mg/kg	54.3				47.8		
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Nickel	mg/kg	44.2				44.3		
Zinc	mg/kg	131	14.4		11.4	115	10.5	
Zinc (SPLP)	mg/L							0.058
Total Petroleum Hydrocarbons	mg/kg						7230	
Carbon Disulfide	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Tetrachloroethylene (screening)	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 06/30/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29	NK-SB-29	NK-SB-65	NK-SB-66	NK-SB-67	NK-SB-67	NK-SB-68
	Sample ID	1016011	1016014	1018688	1018687	1018685	1018686	1018632
	Sample Date	07/15/1996	07/15/1996	10/01/1996	10/01/1996	10/01/1996	10/01/1996	09/30/1996
	Sample Time	15:45	16:15	15:20	14:50	13:50	14:15	14:10
	Sample Depth	6' - 8'	12' - 14'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	2' - 4'
	Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	LEA
	Lab. Number	AEL96007931	AEL96011287	AEL96011282	AEL96011281	AEL96011279	AEL96011280	96-4867-063
Constituent	Units							
Date Metals Analyzed	-	07/29/1996	10/10/1996	10/10/1996	10/10/1996	10/10/1996	10/10/1996	
Date Organics Analyzed	-							10/01/1996
Date Physical Analysed	-							
Date of Metals SPLP Analysis	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg		7.62					
Barium	mg/kg	40.9	286	33.1	27.7	20.1	25.6	
Barium (SPLP)	mg/L							
Cadmium	mg/kg		6.21					
Chromium	mg/kg		51.1					
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Nickel	mg/kg		46.3					
Zinc	mg/kg	10.5	116	8.58	8.27	7.45	8.88	
Zinc (SPLP)	mg/L							
Total Petroleum Hydrocarbons	mg/kg							
Carbon Disulfide	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Tetrachloroethylene (screening)	µg/kg							6 J

Notes: 1. Only Detects Shown
2. Printed on 06/30/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-70	NK-SB-71	NK-SB-72	NK-TP-17E	NK-TP-17N	NK-TP-17S	NK-TP-17W
	Sample ID	1018638	1018689	1018690	1635165	1635163	1635164	1635166
	Sample Date	09/30/1996	10/01/1996	10/02/1996	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	15:10	16:30	10:15	08:04	08:00	08:02	08:06
	Sample Depth	2' - 4'	6' - 8'	6' - 8'				
	Laboratory	AEL	AEL	AEL	QUAN	QUAN	QUAN	QUAN
	Lab. Number	AEL96011277	AEL96011283	AEL96011288	A7F110156003	A7F110156001	A7F110156002	A7F110156004
Constituent	Units							
Date Metals Analyzed	-		10/10/1996	10/10/1996	06/26/1997	06/26/1997	06/26/1997	06/27/1997
Date Organics Analyzed	-							06/23/1997
Date Physical Analysed	-	10/15/1996				06/24/1997	06/24/1997	06/24/1997
Date of Metals SPLP Analysis	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg							
Barium	mg/kg		27.2	39.2	62.3	59.9	60.8	30.5
Barium (SPLP)	mg/L							
Cadmium	mg/kg							
Chromium	mg/kg			6.82	5.5	8.4	7.0	6.2
Lead	mg/kg				14.9	5.4	2.9	3.0
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Nickel	mg/kg					7.8	6.9	6.5
Zinc	mg/kg		7.94	16.9		23.2	42.4	
Zinc (SPLP)	mg/L							
Total Petroleum Hydrocarbons	mg/kg	151				1300	20000	25000
Carbon Disulfide	µg/kg							
Methyl Ethyl Ketone	µg/kg							2200 J
Tetrachloroethylene (screening)	µg/kg							

Notes: 1. Only Detects Shown
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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-TP-18B	NK-TP-18N	NK-TP-18S1	NK-TP-18S2			
	Sample ID	1635170	1635167	1635168	1635169			
	Sample Date	06/10/1997	06/10/1997	06/10/1997	06/10/1997			
	Sample Time	08:14	08:08	08:10	08:12			
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN	QUAN			
	Lab. Number	A7F110156008	A7F110156005	A7F110156006	A7F110156007			
Constituent	Units							
Date Metals Analyzed	-	06/27/1997	06/27/1997	06/27/1997	06/27/1997			
Date Organics Analyzed	-							
Date Physical Analysed	-	06/24/1997						
Date of Metals SPLP Analysis	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg	1.2			1.4			
Barium	mg/kg	25.9	33.6					
Barium (SPLP)	mg/L							
Cadmium	mg/kg	0.18			0.12			
Chromium	mg/kg	8.9	6.4	6.7	7.4			
Lead	mg/kg	9.4	4.5	3.6	4.8			
Lead (SPLP)	mg/L							
Mercury	mg/kg	0.25	0.26					
Nickel	mg/kg	11.2	6.0	5.8	7.3			
Zinc	mg/kg	32.1	17.9		24.6			
Zinc (SPLP)	mg/L							
Total Petroleum Hydrocarbons	mg/kg	190						
Carbon Disulfide	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Tetrachloroethylene (screening)	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 06/30/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26
	Sample ID	1016016	1016017	1016017	1016017	1016018	1016019	1016020
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996
	Sample Time	09:50	09:59	09:59	09:59	10:12	10:21	10:30
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3494-227	AEL96007932	AEL96010892	96-3495-228	96-3496-229	96-3497-230	AEL96007933
Constituent	Units							
Date Metals Analyzed	-		07/29/1996					07/29/1996
Date Organics Analyzed	-	07/18/1996	07/25/1996		07/18/1996	07/18/1996	07/18/1996	07/25/1996
Date Physical Analysed	-		08/06/1996					08/06/1996
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-			10/17/1996				
Date of Metals SPLP Extraction	-			<				
Date of Other SPLP Analysis	-			10/09/1996				
Extraction Fluid No.	-			1				
Arsenic	mg/kg		<1.19					<1.21
Arsenic (SPLP)	mg/L			<0.010				
Barium	mg/kg		52					38.1
Barium (SPLP)	mg/L			<1.00				
Cadmium	mg/kg		<3.58					<3.64
Cadmium (SPLP)	mg/L			<0.0010				
Chromium	mg/kg		<5.97					6.32
Chromium (SPLP)	mg/L			<0.050				
Lead	mg/kg		<23.9					<24.3
Lead (SPLP)	mg/L			<0.0050				
Mercury	mg/kg		<0.239					<0.243
Mercury (SPLP)	mg/L			<0.0020				
Nickel	mg/kg		<11.9					<12.1
Nickel (SPLP)	mg/L			<0.10				
Selenium	mg/kg		<1.19					<1.21
Selenium (SPLP)	mg/L			<0.010				
Silver	mg/kg		<5.97					<6.07
Silver (SPLP)	mg/L			<0.020				
Zinc	mg/kg		9.92					13.6
Zinc (SPLP)	mg/L			<0.050				

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26
	Sample ID	1016016	1016017	1016017	1016017	1016018	1016019	1016020
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996
	Sample Time	09:50	09:59	09:59	09:59	10:12	10:21	10:30
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3494-227	AEL96007932	AEL96010892	96-3495-228	96-3496-229	96-3497-230	AEL96007933
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<39.9					<41.6
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

Notes: 1. Printed on 07/01/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26
	Sample ID	1016016	1016017	1016017	1016017	1016018	1016019	1016020
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996
	Sample Time	09:50	09:59	09:59	09:59	10:12	10:21	10:30
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3494-227	AEL96007932	AEL96010892	96-3495-228	96-3496-229	96-3497-230	AEL96007933
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 07/01/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26
	Sample ID	1016016	1016017	1016017	1016017	1016018	1016019	1016020
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996
	Sample Time	09:50	09:59	09:59	09:59	10:12	10:21	10:30
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3494-227	AEL96007932	AEL96010892	96-3495-228	96-3496-229	96-3497-230	AEL96007933
Constituent	Units							
Acetone	µg/kg		<21					<30
Acetonitrile	µg/kg							
Acrolein	µg/kg		<11					<15
Acrylonitrile	µg/kg		<11					<15
Allyl Chloride	µg/kg							
Benzene	µg/kg		<4.2					<6.0
Benzene (screening)	µg/kg	<18 nc			<12	<16 nc	<14	
Bromobenzene	µg/kg		<4.2					<6.0
Bromoform	µg/kg		<4.2					<6.0
Carbon Disulfide	µg/kg		<4.2					<6.0
Carbon Tetrachloride	µg/kg		<4.2					<6.0
Chlorobenzene	µg/kg		<4.2					<6.0
Chlorodibromomethane	µg/kg		<4.2					<6.0
Chloroethane	µg/kg		<4.2					<6.0
Chloroethyl Vinyl Ether,2-	µg/kg		<4.2					<6.0
Chloroform	µg/kg		<4.2					<6.0
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg		<4.2					<6.0
Chlorotoluene,p-	µg/kg		<4.2					<6.0
Dibromomethane	µg/kg		<4.2					<6.0
Dichlorobenzene,1,2-	µg/kg		<4.2					<6.0
Dichlorobenzene,1,3-	µg/kg		<4.2					<6.0
Dichlorobenzene,1,4-	µg/kg		<4.2					<6.0
Dichlorobromomethane	µg/kg		<4.2					<6.0
Dichlorodifluoromethane	µg/kg		<4.2					<6.0
Dichloroethane,1,1-	µg/kg		<4.2					<6.0
Dichloroethane,1,2-	µg/kg		<4.2					<6.0
Dichloroethylene,1,1-	µg/kg		<4.2					<6.0

Notes: 1. Printed on 07/01/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26
	Sample ID	1016016	1016017	1016017	1016017	1016018	1016019	1016020
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996
	Sample Time	09:50	09:59	09:59	09:59	10:12	10:21	10:30
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3494-227	AEL96007932	AEL96010892	96-3495-228	96-3496-229	96-3497-230	AEL96007933
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg		<4.2					<6.0
Dichloroethylene,1,2-trans-	µg/kg		<4.2					<6.0
Dichloropropane,1,2-	µg/kg		<4.2					<6.0
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg		<4.2					<6.0
Dichloropropylene,1,3-trans-	µg/kg		<4.2					<6.0
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg		<4.2					<6.0
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg		<11					<15
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg		<4.2					<6.0
Methyl Chloride	µg/kg		<4.2					<6.0
Methyl Ethyl Ketone	µg/kg		<11					<15
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg		<11					<15
Methyl-tert-butyl Ether	µg/kg		<4.2					<6.0
Methylene Chloride	µg/kg		<5.3					<6.0
Propionitrile	µg/kg							
Styrene	µg/kg		<4.2					<6.0
Tetrachloroethane,1,1,1,2-	µg/kg		<4.2					<6.0
Tetrachloroethane,1,1,2,2-	µg/kg		<4.2					<6.0
Tetrachloroethylene	µg/kg		<4.2					<6.0
Tetrachloroethylene (screening)	µg/kg	<27 nc			<19	<25 nc	<21	

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26
	Sample ID	1016016	1016017	1016017	1016017	1016018	1016019	1016020
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996
	Sample Time	09:50	09:59	09:59	09:59	10:12	10:21	10:30
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3494-227	AEL96007932	AEL96010892	96-3495-228	96-3496-229	96-3497-230	AEL96007933
Constituent	Units							
Toluene	µg/kg		<4.2					<6.0
Toluene (screening)	µg/kg	<25 nc			<18	<23 nc	<20	
Trichloroethane,1,1,1-	µg/kg		<4.2					<6.0
Trichloroethane,1,1,1- (screening)	µg/kg	<433 nc			<305	<398 nc	<342	
Trichloroethane,1,1,2-	µg/kg		<4.2					<6.0
Trichloroethylene	µg/kg		<4.2					<6.0
Trichloroethylene (screening)	µg/kg	<42 nc			<30	<39 nc	<33	
Trichloromonofluoromethane	µg/kg		<4.2					<6.0
Trichloropropane,1,2,3-	µg/kg		<4.2					<6.0
Vinyl Acetate	µg/kg		<4.2					<6.0
Vinyl Chloride	µg/kg		<4.2					<6.0
Xylenes (Total)	µg/kg		<4.2					<6.0
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-27
	Sample ID	1016020	1016021	1016022	1016023	1016024	1016024	1016000
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/15/1996
	Sample Time	10:30	10:47	10:55	11:05	11:12	11:12	13:30
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	14' - 15'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-3498-231	96-3499-232	96-3500-233	96-3501-234	AEL96011284	96-3502-235	96-3453-183
Constituent	Units							
Date Metals Analyzed	-					10/10/1996		
Date Organics Analyzed	-	07/18/1996	07/18/1996	07/18/1996	07/18/1996		07/18/1996	07/17/1996
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg					9.6		
Arsenic (SPLP)	mg/L							
Barium	mg/kg					338		
Barium (SPLP)	mg/L							
Cadmium	mg/kg					7.74		
Cadmium (SPLP)	mg/L							
Chromium	mg/kg					54.8		
Chromium (SPLP)	mg/L							
Lead	mg/kg					<29.2		
Lead (SPLP)	mg/L							
Mercury	mg/kg					<0.292 oh		
Mercury (SPLP)	mg/L							
Nickel	mg/kg					52.4		
Nickel (SPLP)	mg/L							
Selenium	mg/kg					<1.46		
Selenium (SPLP)	mg/L							
Silver	mg/kg					<7.3		
Silver (SPLP)	mg/L							
Zinc	mg/kg					129		
Zinc (SPLP)	mg/L							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-27
	Sample ID	1016020	1016021	1016022	1016023	1016024	1016024	1016000
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/15/1996
	Sample Time	10:30	10:47	10:55	11:05	11:12	11:12	13:30
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	14' - 15'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-3498-231	96-3499-232	96-3500-233	96-3501-234	AEL96011284	96-3502-235	96-3453-183
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-27
	Sample ID	1016020	1016021	1016022	1016023	1016024	1016024	1016000
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/15/1996
	Sample Time	10:30	10:47	10:55	11:05	11:12	11:12	13:30
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	14' - 15'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-3498-231	96-3499-232	96-3500-233	96-3501-234	AEL96011284	96-3502-235	96-3453-183
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-27
	Sample ID	1016020	1016021	1016022	1016023	1016024	1016024	1016000
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/15/1996
	Sample Time	10:30	10:47	10:55	11:05	11:12	11:12	13:30
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	14' - 15'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-3498-231	96-3499-232	96-3500-233	96-3501-234	AEL96011284	96-3502-235	96-3453-183
Constituent	Units							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<11 nc	<14	<12	<15		<14	<17 nc
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-27
	Sample ID	1016020	1016021	1016022	1016023	1016024	1016024	1016000
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/15/1996
	Sample Time	10:30	10:47	10:55	11:05	11:12	11:12	13:30
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	14' - 15'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-3498-231	96-3499-232	96-3500-233	96-3501-234	AEL96011284	96-3502-235	96-3453-183
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg	<17 nc	<21	<18	<22		<21	<26 nc

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-26	NK-SB-27
	Sample ID	1016020	1016021	1016022	1016023	1016024	1016024	1016000
	Sample Date	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/16/1996	07/15/1996
	Sample Time	10:30	10:47	10:55	11:05	11:12	11:12	13:30
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	14' - 15'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-3498-231	96-3499-232	96-3500-233	96-3501-234	AEL96011284	96-3502-235	96-3453-183
Constituent	Units							
Toluene	µg/kg							
Toluene (screening)	µg/kg	<16 nc	<19	<16	<21		<20	<24 nc
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg	<275 nc	<336	<283	<355		<342	<415 nc
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg	<27 nc	<33	<27	<34		<33	<40 nc
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes (Total) (screening)	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27
	Sample ID	1016001	1016001	1016001	1016002	1016003	1016004	1016005
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	13:38	13:38	13:38	13:55	14:12	14:27	14:35
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	AEL	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96007928	AEL96010893	96-3454-184	96-3456-185	96-3457-187	96-3458-188	AEL96007929
Constituent	Units							
Date Metals Analyzed	-	07/29/1996						07/29/1996
Date Organics Analyzed	-	07/25/1996		07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/25/1996
Date Physical Analysed	-	08/06/1996						08/06/1996
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-		10/17/1996					
Date of Metals SPLP Extraction	-		<					
Date of Other SPLP Analysis	-		10/09/1996					
Extraction Fluid No.	-		1					
Arsenic	mg/kg	<1.18						9.09
Arsenic (SPLP)	mg/L		<0.010					
Barium	mg/kg	48.6						265
Barium (SPLP)	mg/L		1.54					
Cadmium	mg/kg	<3.53						6.3
Cadmium (SPLP)	mg/L		<0.0010					
Chromium	mg/kg	11.5						50.3
Chromium (SPLP)	mg/L		<0.050					
Lead	mg/kg	<23.5						<30.7
Lead (SPLP)	mg/L		0.0146					
Mercury	mg/kg	<0.235						<0.307
Mercury (SPLP)	mg/L		<0.0020					
Nickel	mg/kg	<11.8						44.3
Nickel (SPLP)	mg/L		<0.10					
Selenium	mg/kg	<1.18						<1.54
Selenium (SPLP)	mg/L		<0.010					
Silver	mg/kg	<5.88						<7.69
Silver (SPLP)	mg/L		<0.020					
Zinc	mg/kg	12						119
Zinc (SPLP)	mg/L		0.183					

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27
	Sample ID	1016001	1016001	1016001	1016002	1016003	1016004	1016005
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	13:38	13:38	13:38	13:55	14:12	14:27	14:35
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	AEL	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96007928	AEL96010893	96-3454-184	96-3456-185	96-3457-187	96-3458-188	AEL96007929
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	609						<73.2
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27
	Sample ID	1016001	1016001	1016001	1016002	1016003	1016004	1016005
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	13:38	13:38	13:38	13:55	14:12	14:27	14:35
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	AEL	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96007928	AEL96010893	96-3454-184	96-3456-185	96-3457-187	96-3458-188	AEL96007929
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27
	Sample ID	1016001	1016001	1016001	1016002	1016003	1016004	1016005
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	13:38	13:38	13:38	13:55	14:12	14:27	14:35
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	AEL	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96007928	AEL96010893	96-3454-184	96-3456-185	96-3457-187	96-3458-188	AEL96007929
Constituent	Units							
Acetone	µg/kg	<39						<120
Acetonitrile	µg/kg							
Acrolein	µg/kg	<13						<58
Acrylonitrile	µg/kg	<13						<58
Allyl Chloride	µg/kg							
Benzene	µg/kg	<5.1						<23
Benzene (screening)	µg/kg			<17 nc	<16	<16 nc	<16	
Bromobenzene	µg/kg	<5.1						<23
Bromoform	µg/kg	<5.1						<23
Carbon Disulfide	µg/kg	6.0						<23
Carbon Tetrachloride	µg/kg	<5.1						<23
Chlorobenzene	µg/kg	<5.1						<23
Chlorodibromomethane	µg/kg	<5.1						<23
Chloroethane	µg/kg	<5.1						<23
Chloroethyl Vinyl Ether,2-	µg/kg	<5.1						<23
Chloroform	µg/kg	<5.1						<23
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg	<5.1						<23
Chlorotoluene,p-	µg/kg	<5.1						<23
Dibromomethane	µg/kg	<5.1						<23
Dichlorobenzene,1,2-	µg/kg	<5.1						<23
Dichlorobenzene,1,3-	µg/kg	<5.1						<23
Dichlorobenzene,1,4-	µg/kg	<5.1						<23
Dichlorobromomethane	µg/kg	<5.1						<23
Dichlorodifluoromethane	µg/kg	<5.1						<23
Dichloroethane,1,1-	µg/kg	<5.1						<23
Dichloroethane,1,2-	µg/kg	<5.1						<23
Dichloroethylene,1,1-	µg/kg	<5.1						<23

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27
	Sample ID	1016001	1016001	1016001	1016002	1016003	1016004	1016005
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	13:38	13:38	13:38	13:55	14:12	14:27	14:35
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	AEL	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96007928	AEL96010893	96-3454-184	96-3456-185	96-3457-187	96-3458-188	AEL96007929
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg	<5.1						<23
Dichloroethylene,1,2-trans-	µg/kg	<5.1						<23
Dichloropropane,1,2-	µg/kg	<5.1						<23
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg	<5.1						<23
Dichloropropylene,1,3-trans-	µg/kg	<5.1						<23
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg	<5.1						<23
Ethylbenzene (screening)	µg/kg			<24 nc				
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg	<13						<58
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg	<5.1						<23
Methyl Chloride	µg/kg	<5.1						<23
Methyl Ethyl Ketone	µg/kg	<13						<58
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg	<13						<58
Methyl-tert-butyl Ether	µg/kg	<5.1						<23
Methylene Chloride	µg/kg	<10						<23
Propionitrile	µg/kg							
Styrene	µg/kg	<5.1						<23
Tetrachloroethane,1,1,1,2-	µg/kg	<5.1						<23
Tetrachloroethane,1,1,2,2-	µg/kg	<5.1						<23
Tetrachloroethylene	µg/kg	<5.1						<23
Tetrachloroethylene (screening)	µg/kg			<25 nc	<24	<25 nc	<24	

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27
	Sample ID	1016001	1016001	1016001	1016002	1016003	1016004	1016005
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	13:38	13:38	13:38	13:55	14:12	14:27	14:35
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	AEL	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96007928	AEL96010893	96-3454-184	96-3456-185	96-3457-187	96-3458-188	AEL96007929
Constituent	Units							
Toluene	µg/kg	<5.1						<23
Toluene (screening)	µg/kg			<23 nc	<22	<23 nc	<22	
Trichloroethane,1,1,1-	µg/kg	<5.1						<23
Trichloroethane,1,1,1- (screening)	µg/kg			<406 nc	<382	<398 nc	<382	
Trichloroethane,1,1,2-	µg/kg	<5.1						<23
Trichloroethylene	µg/kg	<5.1						<23
Trichloroethylene (screening)	µg/kg			<39 nc	<37	<39 nc	<37	
Trichloromonofluoromethane	µg/kg	<5.1						<23
Trichloropropane,1,2,3-	µg/kg	<5.1						<23
Vinyl Acetate	µg/kg	<5.1						<23
Vinyl Chloride	µg/kg	<5.1						<23
Xylenes (Total)	µg/kg	<5.1						<23
Xylenes (Total) (screening)	µg/kg			<50 nc				

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1016005	1016006	1016006	1016007	1015991	1015992	1015992
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	14:35	14:45	14:45	14:53	10:45	10:55	10:55
	Sample Depth	10' - 12'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	AEL
	Lab. Number	96-3462-191	AEL96011285	96-3463-192	96-3465-194	96-3444-174	AEL96007926	AEL96010894
Constituent	Units							
Date Metals Analyzed	-		10/10/1996				07/29/1996	
Date Organics Analyzed	-	07/18/1996		07/18/1996	07/18/1996	07/17/1996	07/23/1996	
Date Physical Analysed	-						08/02/1996	
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							10/17/1996
Date of Metals SPLP Extraction	-							<
Date of Other SPLP Analysis	-							10/09/1996
Extraction Fluid No.	-							1
Arsenic	mg/kg		9.84				<1.23	
Arsenic (SPLP)	mg/L							<0.010
Barium	mg/kg		295				24.8	
Barium (SPLP)	mg/L							<1.00
Cadmium	mg/kg		7.98				<3.69	
Cadmium (SPLP)	mg/L							<0.0010
Chromium	mg/kg		54.3				<6.15	
Chromium (SPLP)	mg/L							<0.050
Lead	mg/kg		<33.2				<24.6	
Lead (SPLP)	mg/L							<0.0050
Mercury	mg/kg		<0.332 oh				<0.246	
Mercury (SPLP)	mg/L							<0.0020
Nickel	mg/kg		44.2				<12.3	
Nickel (SPLP)	mg/L							<0.10
Selenium	mg/kg		<1.66				<1.23	
Selenium (SPLP)	mg/L							<0.010
Silver	mg/kg		<8.31				<6.15	
Silver (SPLP)	mg/L							<0.020
Zinc	mg/kg		131				14.4	
Zinc (SPLP)	mg/L							<0.050

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1016005	1016006	1016006	1016007	1015991	1015992	1015992
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	14:35	14:45	14:45	14:53	10:45	10:55	10:55
	Sample Depth	10' - 12'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	AEL
	Lab. Number	96-3462-191	AEL96011285	96-3463-192	96-3465-194	96-3444-174	AEL96007926	AEL96010894
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg						<40.0	
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1016005	1016006	1016006	1016007	1015991	1015992	1015992
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	14:35	14:45	14:45	14:53	10:45	10:55	10:55
	Sample Depth	10' - 12'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	AEL
	Lab. Number	96-3462-191	AEL96011285	96-3463-192	96-3465-194	96-3444-174	AEL96007926	AEL96010894
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2.4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1016005	1016006	1016006	1016007	1015991	1015992	1015992
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	14:35	14:45	14:45	14:53	10:45	10:55	10:55
	Sample Depth	10' - 12'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	AEL
	Lab. Number	96-3462-191	AEL96011285	96-3463-192	96-3465-194	96-3444-174	AEL96007926	AEL96010894
Constituent	Units							
Acetone	µg/kg						<31	
Acetonitrile	µg/kg							
Acrolein	µg/kg						<15	
Acrylonitrile	µg/kg						<15	
Allyl Chloride	µg/kg							
Benzene	µg/kg						<6.2	
Benzene (screening)	µg/kg	<15		<16	<15	<16		
Bromobenzene	µg/kg						<6.2	
Bromoform	µg/kg						<6.2	
Carbon Disulfide	µg/kg						<6.2	
Carbon Tetrachloride	µg/kg						<6.2	
Chlorobenzene	µg/kg						<6.2	
Chlorodibromomethane	µg/kg						<6.2	
Chloroethane	µg/kg						<6.2	
Chloroethyl Vinyl Ether,2-	µg/kg						<6.2	
Chloroform	µg/kg						<6.2	
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg						<6.2	
Chlorotoluene,p-	µg/kg						<6.2	
Dibromomethane	µg/kg						<6.2	
Dichlorobenzene,1,2-	µg/kg						<6.2	
Dichlorobenzene,1,3-	µg/kg						<6.2	
Dichlorobenzene,1,4-	µg/kg						<6.2	
Dichlorobromomethane	µg/kg						<6.2	
Dichlorodifluoromethane	µg/kg						<6.2	
Dichloroethane,1,1-	µg/kg						<6.2	
Dichloroethane,1,2-	µg/kg						<6.2	
Dichloroethylene,1,1-	µg/kg						<6.2	

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1016005	1016006	1016006	1016007	1015991	1015992	1015992
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	14:35	14:45	14:45	14:53	10:45	10:55	10:55
	Sample Depth	10' - 12'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	AEL
	Lab. Number	96-3462-191	AEL96011285	96-3463-192	96-3465-194	96-3444-174	AEL96007926	AEL96010894
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg						<6.2	
Dichloroethylene,1,2-trans-	µg/kg						<6.2	
Dichloropropane,1,2-	µg/kg						<6.2	
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg						<6.2	
Dichloropropylene,1,3-trans-	µg/kg						<6.2	
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg						<6.2	
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg						<15	
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg						<6.2	
Methyl Chloride	µg/kg						<6.2	
Methyl Ethyl Ketone	µg/kg						<15	
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg						<15	
Methyl-tert-butyl Ether	µg/kg						<6.2	
Methylene Chloride	µg/kg						<7.7	
Propionitrile	µg/kg							
Styrene	µg/kg						<6.2	
Tetrachloroethane,1,1,1,2-	µg/kg						<6.2	
Tetrachloroethane,1,1,2,2-	µg/kg						<6.2	
Tetrachloroethylene	µg/kg						<6.2	
Tetrachloroethylene (screening)	µg/kg	<23		<24	<23	<24		

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-27	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1016005	1016006	1016006	1016007	1015991	1015992	1015992
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	14:35	14:45	14:45	14:53	10:45	10:55	10:55
	Sample Depth	10' - 12'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	AEL
	Lab. Number	96-3462-191	AEL96011285	96-3463-192	96-3465-194	96-3444-174	AEL96007926	AEL96010894
Constituent	Units							
Toluene	µg/kg						<6.2	
Toluene (screening)	µg/kg	<21		<22	<21	<22		
Trichloroethane,1,1,1-	µg/kg						<6.2	
Trichloroethane,1,1,1- (screening)	µg/kg	<368		<382	<361	<382		
Trichloroethane,1,1,2-	µg/kg						<6.2	
Trichloroethylene	µg/kg						<6.2	
Trichloroethylene (screening)	µg/kg	<36		<37	<35	<37		
Trichloromonofluoromethane	µg/kg						<6.2	
Trichloropropane,1,2,3-	µg/kg						<6.2	
Vinyl Acetate	µg/kg						<6.2	
Vinyl Chloride	µg/kg						<6.2	
Xylenes (Total)	µg/kg						<6.2	
Xylenes (Total) (screening)	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1015992	1015993	1015994	1015995	1015995	1015996	1015997
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	10:55	11:00	11:10	11:17	11:17	11:30	11:42
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-3445-175	96-3446-176	96-3447-177	AEL96007927	96-3448-178	96-3449-179	96-3450-180
Constituent	Units							
Date Metals Analyzed	-				07/29/1996			
Date Organics Analyzed	-	07/17/1996	07/17/1996	07/17/1996	07/23/1996	07/17/1996	07/17/1996	07/17/1996
Date Physical Analysed	-				08/02/1996			
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg				<1.33			
Arsenic (SPLP)	mg/L							
Barium	mg/kg				40.8			
Barium (SPLP)	mg/L							
Cadmium	mg/kg				<3.98			
Cadmium (SPLP)	mg/L							
Chromium	mg/kg				<6.63			
Chromium (SPLP)	mg/L							
Lead	mg/kg				<26.5			
Lead (SPLP)	mg/L							
Mercury	mg/kg				<0.265			
Mercury (SPLP)	mg/L							
Nickel	mg/kg				<13.3			
Nickel (SPLP)	mg/L							
Selenium	mg/kg				<1.33			
Selenium (SPLP)	mg/L							
Silver	mg/kg				<6.63			
Silver (SPLP)	mg/L							
Zinc	mg/kg				11.4			
Zinc (SPLP)	mg/L							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1015992	1015993	1015994	1015995	1015995	1015996	1015997
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	10:55	11:00	11:10	11:17	11:17	11:30	11:42
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-3445-175	96-3446-176	96-3447-177	AEL96007927	96-3448-178	96-3449-179	96-3450-180
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg				<44.1			
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1015992	1015993	1015994	1015995	1015995	1015996	1015997
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	10:55	11:00	11:10	11:17	11:17	11:30	11:42
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-3445-175	96-3446-176	96-3447-177	AEL96007927	96-3448-178	96-3449-179	96-3450-180
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine, 1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1015992	1015993	1015994	1015995	1015995	1015996	1015997
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	10:55	11:00	11:10	11:17	11:17	11:30	11:42
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-3445-175	96-3446-176	96-3447-177	AEL96007927	96-3448-178	96-3449-179	96-3450-180
Constituent	Units							
Acetone	µg/kg				<32			
Acetonitrile	µg/kg							
Acrolein	µg/kg				<16			
Acrylonitrile	µg/kg				<16			
Allyl Chloride	µg/kg							
Benzene	µg/kg				<6.4			
Benzene (screening)	µg/kg	<17 nc	<15	<16 nc		<16	<17 nc	<17
Bromobenzene	µg/kg				<6.4			
Bromoform	µg/kg				<6.4			
Carbon Disulfide	µg/kg				<6.4			
Carbon Tetrachloride	µg/kg				<6.4			
Chlorobenzene	µg/kg				<6.4			
Chlorodibromomethane	µg/kg				<6.4			
Chloroethane	µg/kg				<6.4			
Chloroethyl Vinyl Ether,2-	µg/kg				<6.4			
Chloroform	µg/kg				<6.4			
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg				<6.4			
Chlorotoluene,p-	µg/kg				<6.4			
Dibromomethane	µg/kg				<6.4			
Dichlorobenzene,1,2-	µg/kg				<6.4			
Dichlorobenzene,1,3-	µg/kg				<6.4			
Dichlorobenzene,1,4-	µg/kg				<6.4			
Dichlorobromomethane	µg/kg				<6.4			
Dichlorodifluoromethane	µg/kg				<6.4			
Dichloroethane,1,1-	µg/kg				<6.4			
Dichloroethane,1,2-	µg/kg				<6.4			
Dichloroethylene,1,1-	µg/kg				<6.4			

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1015992	1015993	1015994	1015995	1015995	1015996	1015997
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	10:55	11:00	11:10	11:17	11:17	11:30	11:42
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-3445-175	96-3446-176	96-3447-177	AEL96007927	96-3448-178	96-3449-179	96-3450-180
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg				<6.4			
Dichloroethylene,1,2-trans-	µg/kg				<6.4			
Dichloropropane,1,2-	µg/kg				<6.4			
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg				<6.4			
Dichloropropylene,1,3-trans-	µg/kg				<6.4			
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg				<6.4			
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg				<16			
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg				<6.4			
Methyl Chloride	µg/kg				<6.4			
Methyl Ethyl Ketone	µg/kg				<16			
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg				<16			
Methyl-tert-butyl Ether	µg/kg				<6.4			
Methylene Chloride	µg/kg				<6.4			
Propionitrile	µg/kg							
Styrene	µg/kg				<6.4			
Tetrachloroethane,1,1,1,2-	µg/kg				<6.4			
Tetrachloroethane,1,1,2,2-	µg/kg				<6.4			
Tetrachloroethylene	µg/kg				<6.4			
Tetrachloroethylene (screening)	µg/kg	<26 nc	<22	<25 nc		<24	<26 nc	<25

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28
	Sample ID	1015992	1015993	1015994	1015995	1015995	1015996	1015997
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	10:55	11:00	11:10	11:17	11:17	11:30	11:42
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-3445-175	96-3446-176	96-3447-177	AEL96007927	96-3448-178	96-3449-179	96-3450-180
Constituent	Units							
Toluene	µg/kg				<6.4			
Toluene (screening)	µg/kg	<24 nc	<21	<23 nc		<22	<24 nc	<23
Trichloroethane,1,1,1-	µg/kg				<6.4			
Trichloroethane,1,1,1- (screening)	µg/kg	<415 nc	<355	<398 nc		<382	<415 nc	<406
Trichloroethane,1,1,2-	µg/kg				<6.4			
Trichloroethylene	µg/kg				<6.4			
Trichloroethylene (screening)	µg/kg	<40 nc	<34	<39 nc		<37	<40 nc	<39
Trichloromonofluoromethane	µg/kg				<6.4			
Trichloropropane,1,2,3-	µg/kg				<6.4			
Vinyl Acetate	µg/kg				<6.4			
Vinyl Chloride	µg/kg				<6.4			
Xylenes (Total)	µg/kg				<6.4			
Xylenes (Total) (screening)	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1015998	1015998	1015998	1015999	1016008	1016009	1016009
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	11:55	11:55	11:55	12:08	15:22	15:29	15:29
	Sample Depth	12' - 14'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	AEL
	Lab. Number	AEL96011286	96-3450-180	96-3451-181	96-3452-182	96-3466-197	AEL96007930	AEL96010895
Constituent	Units							
Date Metals Analyzed	-	10/10/1996					07/29/1996	
Date Organics Analyzed	-		07/17/1996	07/17/1996	07/17/1996	07/18/1996	07/25/1996	
Date Physical Analysed	-						08/06/1996	
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							10/17/1996
Date of Metals SPLP Extraction	-							<
Date of Other SPLP Analysis	-							10/09/1996
Extraction Fluid No.	-							1
Arsenic	mg/kg	8.85					<1.2	
Arsenic (SPLP)	mg/L							<0.010
Barium	mg/kg	263					49.1	
Barium (SPLP)	mg/L							<1.00
Cadmium	mg/kg	6.64					<3.59	
Cadmium (SPLP)	mg/L							<0.0010
Chromium	mg/kg	47.8					<5.98	
Chromium (SPLP)	mg/L							<0.050
Lead	mg/kg	<33.2					<23.9	
Lead (SPLP)	mg/L							<0.0050
Mercury	mg/kg	<0.332 oh					<0.239	
Mercury (SPLP)	mg/L							<0.0020
Nickel	mg/kg	44.3					<12	
Nickel (SPLP)	mg/L							<0.10
Selenium	mg/kg	<1.66					<1.2	
Selenium (SPLP)	mg/L							<0.010
Silver	mg/kg	<8.3					<5.98	
Silver (SPLP)	mg/L							<0.020
Zinc	mg/kg	115					10.5	
Zinc (SPLP)	mg/L							0.058

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1015998	1015998	1015998	1015999	1016008	1016009	1016009
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	11:55	11:55	11:55	12:08	15:22	15:29	15:29
	Sample Depth	12' - 14'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	AEL
	Lab. Number	AEL96011286	96-3450-180	96-3451-181	96-3452-182	96-3466-197	AEL96007930	AEL96010895
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg						7230	
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1015998	1015998	1015998	1015999	1016008	1016009	1016009
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	11:55	11:55	11:55	12:08	15:22	15:29	15:29
	Sample Depth	12' - 14'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	AEL
	Lab. Number	AEL96011286	96-3450-180	96-3451-181	96-3452-182	96-3466-197	AEL96007930	AEL96010895
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1015998	1015998	1015998	1015999	1016008	1016009	1016009
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	11:55	11:55	11:55	12:08	15:22	15:29	15:29
	Sample Depth	12' - 14'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	AEL
	Lab. Number	AEL96011286	96-3450-180	96-3451-181	96-3452-182	96-3466-197	AEL96007930	AEL96010895
Constituent	Units							
Acetone	µg/kg						<22	
Acetonitrile	µg/kg							
Acrolein	µg/kg						<11	
Acrylonitrile	µg/kg						<11	
Allyl Chloride	µg/kg							
Benzene	µg/kg						<4.4	
Benzene (screening)	µg/kg		<17 nc	<16	<15	<15		
Bromobenzene	µg/kg						<4.4	
Bromoform	µg/kg						<4.4	
Carbon Disulfide	µg/kg						<4.4	
Carbon Tetrachloride	µg/kg						<4.4	
Chlorobenzene	µg/kg						<4.4	
Chlorodibromomethane	µg/kg						<4.4	
Chloroethane	µg/kg						<4.4	
Chloroethyl Vinyl Ether,2-	µg/kg						<4.4	
Chloroform	µg/kg						<4.4	
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg						<4.4	
Chlorotoluene,p-	µg/kg						<4.4	
Dibromomethane	µg/kg						<4.4	
Dichlorobenzene,1,2-	µg/kg						<4.4	
Dichlorobenzene,1,3-	µg/kg						<4.4	
Dichlorobenzene,1,4-	µg/kg						<4.4	
Dichlorobromomethane	µg/kg						<4.4	
Dichlorodifluoromethane	µg/kg						<4.4	
Dichloroethane,1,1-	µg/kg						<4.4	
Dichloroethane,1,2-	µg/kg						<4.4	
Dichloroethylene,1,1-	µg/kg						<4.4	

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1015998	1015998	1015998	1015999	1016008	1016009	1016009
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	11:55	11:55	11:55	12:08	15:22	15:29	15:29
	Sample Depth	12' - 14'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	AEL
	Lab. Number	AEL96011286	96-3450-180	96-3451-181	96-3452-182	96-3466-197	AEL96007930	AEL96010895
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg						<4.4	
Dichloroethylene,1,2-trans-	µg/kg						<4.4	
Dichloropropane,1,2-	µg/kg						<4.4	
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg						<4.4	
Dichloropropylene,1,3-trans-	µg/kg						<4.4	
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg						<4.4	
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg						<11	
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg						<4.4	
Methyl Chloride	µg/kg						<4.4	
Methyl Ethyl Ketone	µg/kg						<11	
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg						<11	
Methyl-tert-butyl Ether	µg/kg						<4.4	
Methylene Chloride	µg/kg						<7.7	
Propionitrile	µg/kg							
Styrene	µg/kg						<4.4	
Tetrachloroethane,1,1,1,2-	µg/kg						<4.4	
Tetrachloroethane,1,1,2,2-	µg/kg						<4.4	
Tetrachloroethylene	µg/kg						<4.4	
Tetrachloroethylene (screening)	µg/kg		<25 nc	<24	<23	<23		

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-28	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1015998	1015998	1015998	1015999	1016008	1016009	1016009
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	11:55	11:55	11:55	12:08	15:22	15:29	15:29
	Sample Depth	12' - 14'	12' - 14'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	AEL
	Lab. Number	AEL96011286	96-3450-180	96-3451-181	96-3452-182	96-3466-197	AEL96007930	AEL96010895
Constituent	Units							
Toluene	µg/kg						<4.4	
Toluene (screening)	µg/kg		<23 nc	<22	<21	<22		
Trichloroethane,1,1,1-	µg/kg						<4.4	
Trichloroethane,1,1,1- (screening)	µg/kg		<406 nc	<382	<368	<375		
Trichloroethane,1,1,2-	µg/kg						<4.4	
Trichloroethylene	µg/kg						<4.4	
Trichloroethylene (screening)	µg/kg		<39 nc	<37	<36	<36		
Trichloromonofluoromethane	µg/kg						<4.4	
Trichloropropane,1,2,3-	µg/kg						<4.4	
Vinyl Acetate	µg/kg						<4.4	
Vinyl Chloride	µg/kg						<4.4	
Xylenes (Total)	µg/kg						<4.4	
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1016009	1016010	1016011	1016011	1016012	1016013	1016014
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	15:29	15:38	15:45	15:45	15:52	16:00	16:15
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3467-198	96-3469-200	AEL96007931	96-3470-201	96-3471-202	96-3472-203	AEL96011287
Constituent	Units							
Date Metals Analyzed	-			07/29/1996				10/10/1996
Date Organics Analyzed	-	07/18/1996	07/18/1996	07/25/1996	07/18/1996	07/18/1996	07/18/1996	
Date Physical Analysed	-			08/06/1996				
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg			<1.25				7.62
Arsenic (SPLP)	mg/L							
Barium	mg/kg			40.9				286
Barium (SPLP)	mg/L							
Cadmium	mg/kg			<3.76				6.21
Cadmium (SPLP)	mg/L							
Chromium	mg/kg			<6.27				51.1
Chromium (SPLP)	mg/L							
Lead	mg/kg			<25.1				<28.2
Lead (SPLP)	mg/L							
Mercury	mg/kg			<0.251				<0.282 oh
Mercury (SPLP)	mg/L							
Nickel	mg/kg			<12.5				46.3
Nickel (SPLP)	mg/L							
Selenium	mg/kg			<1.25				<1.41
Selenium (SPLP)	mg/L							
Silver	mg/kg			<6.27				<7.06
Silver (SPLP)	mg/L							
Zinc	mg/kg			10.5				116
Zinc (SPLP)	mg/L							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1016009	1016010	1016011	1016011	1016012	1016013	1016014
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	15:29	15:38	15:45	15:45	15:52	16:00	16:15
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3467-198	96-3469-200	AEL96007931	96-3470-201	96-3471-202	96-3472-203	AEL96011287
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg			<41.6				
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1016009	1016010	1016011	1016011	1016012	1016013	1016014
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	15:29	15:38	15:45	15:45	15:52	16:00	16:15
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3467-198	96-3469-200	AEL96007931	96-3470-201	96-3471-202	96-3472-203	AEL96011287
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1016009	1016010	1016011	1016011	1016012	1016013	1016014
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	15:29	15:38	15:45	15:45	15:52	16:00	16:15
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3467-198	96-3469-200	AEL96007931	96-3470-201	96-3471-202	96-3472-203	AEL96011287
Constituent	Units							
Acetone	µg/kg			<26				
Acetonitrile	µg/kg							
Acrolein	µg/kg			<13				
Acrylonitrile	µg/kg			<13				
Allyl Chloride	µg/kg							
Benzene	µg/kg			<5.2				
Benzene (screening)	µg/kg	<12	<15		<13	<15	<16	
Bromobenzene	µg/kg			<5.2				
Bromoform	µg/kg			<5.2				
Carbon Disulfide	µg/kg			<5.2				
Carbon Tetrachloride	µg/kg			<5.2				
Chlorobenzene	µg/kg			<5.2				
Chlorodibromomethane	µg/kg			<5.2				
Chloroethane	µg/kg			<5.2				
Chloroethyl Vinyl Ether,2-	µg/kg			<5.2				
Chloroform	µg/kg			<5.2				
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg			<5.2				
Chlorotoluene,p-	µg/kg			<5.2				
Dibromomethane	µg/kg			<5.2				
Dichlorobenzene,1,2-	µg/kg			<5.2				
Dichlorobenzene,1,3-	µg/kg			<5.2				
Dichlorobenzene,1,4-	µg/kg			<5.2				
Dichlorobromomethane	µg/kg			<5.2				
Dichlorodifluoromethane	µg/kg			<5.2				
Dichloroethane,1,1-	µg/kg			<5.2				
Dichloroethane,1,2-	µg/kg			<5.2				
Dichloroethylene,1,1-	µg/kg			<5.2				

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1016009	1016010	1016011	1016011	1016012	1016013	1016014
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	15:29	15:38	15:45	15:45	15:52	16:00	16:15
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3467-198	96-3469-200	AEL96007931	96-3470-201	96-3471-202	96-3472-203	AEL96011287
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg			<5.2				
Dichloroethylene,1,2-trans-	µg/kg			<5.2				
Dichloropropane,1,2-	µg/kg			<5.2				
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg			<5.2				
Dichloropropylene,1,3-trans-	µg/kg			<5.2				
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg			<5.2				
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg			<13				
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg			<5.2				
Methyl Chloride	µg/kg			<5.2				
Methyl Ethyl Ketone	µg/kg			<13				
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg			<13				
Methyl-tert-butyl Ether	µg/kg			<5.2				
Methylene Chloride	µg/kg			<5.2				
Propionitrile	µg/kg							
Styrene	µg/kg			<5.2				
Tetrachloroethane,1,1,1,2-	µg/kg			<5.2				
Tetrachloroethane,1,1,2,2-	µg/kg			<5.2				
Tetrachloroethylene	µg/kg			<5.2				
Tetrachloroethylene (screening)	µg/kg	<18	<23		<20	<23	<24	

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29	NK-SB-29
	Sample ID	1016009	1016010	1016011	1016011	1016012	1016013	1016014
	Sample Date	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996	07/15/1996
	Sample Time	15:29	15:38	15:45	15:45	15:52	16:00	16:15
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	96-3467-198	96-3469-200	AEL96007931	96-3470-201	96-3471-202	96-3472-203	AEL96011287
Constituent	Units							
Toluene	µg/kg			<5.2				
Toluene (screening)	µg/kg	<17	<21		<19	<21	<22	
Trichloroethane,1,1,1-	µg/kg			<5.2				
Trichloroethane,1,1,1- (screening)	µg/kg	<287	<368		<325	<368	<382	
Trichloroethane,1,1,2-	µg/kg			<5.2				
Trichloroethylene	µg/kg			<5.2				
Trichloroethylene (screening)	µg/kg	<28	<36		<32	<36	<37	
Trichloromonofluoromethane	µg/kg			<5.2				
Trichloropropane,1,2,3-	µg/kg			<5.2				
Vinyl Acetate	µg/kg			<5.2				
Vinyl Chloride	µg/kg			<5.2				
Xylenes (Total)	µg/kg			<5.2				
Xylenes (Total) (screening)	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29	NK-SB-29	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65
	Sample ID	1016014	1016015	1018628	1018628	1018629	1018629	1018630
	Sample Date	07/15/1996	07/15/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	16:15	16:23	13:30	13:30	13:40	13:40	13:50
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3476-207	96-3474-205	AEL96011267	96-4863-059	AEL96011268	96-4864-060	AEL96011269
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	07/18/1996	07/18/1996		10/01/1996		10/01/1996	10/09/1996
Date Physical Analysed	-			10/15/1996		10/15/1996		10/15/1996
Date Semi-volatile Organics Analyzed	-							10/22/1996
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg							
Arsenic (SPLP)	mg/L							
Barium	mg/kg							
Barium (SPLP)	mg/L							
Cadmium	mg/kg							
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							
Chromium (SPLP)	mg/L							
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Mercury (SPLP)	mg/L							
Nickel	mg/kg							
Nickel (SPLP)	mg/L							
Selenium	mg/kg							
Selenium (SPLP)	mg/L							
Silver	mg/kg							
Silver (SPLP)	mg/L							
Zinc	mg/kg							
Zinc (SPLP)	mg/L							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29	NK-SB-29	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65
	Sample ID	1016014	1016015	1018628	1018628	1018629	1018629	1018630
	Sample Date	07/15/1996	07/15/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	16:15	16:23	13:30	13:30	13:40	13:40	13:50
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3476-207	96-3474-205	AEL96011267	96-4863-059	AEL96011268	96-4864-060	AEL96011269
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg			<39.7		<38.1		<40.3
Acenaphthene	µg/kg							<410
Acenaphthylene	µg/kg							<410
Anthracene	µg/kg							<410
Benzidine	µg/kg							<410
Benzo[a]anthracene	µg/kg							<410
Benzo[a]pyrene	µg/kg							<410
Benzo[b]fluoranthene	µg/kg							<410
Benzo[ghi]perylene	µg/kg							<410
Benzo[k]fluoranthene	µg/kg							<410
Bis(2-chloroethoxy)methane	µg/kg							<410
Bis(2-chloroethyl) Ether	µg/kg							<410
Bis(2-ethylhexyl)phthalate	µg/kg							<410
Bromophenyl Phenyl Ether,4-	µg/kg							<410
Butyl Benzyl Phthalate	µg/kg							<410
Chloronaphthalene,2-	µg/kg							<410
Chlorophenol,2-	µg/kg							<410
Chlorophenyl Phenyl Ether,4-	µg/kg							<410
Chrysene	µg/kg							<410
Di-n-butyl Phthalate	µg/kg							<410
Di-n-octyl Phthalate	µg/kg							<410
Dibenzo[a,h]anthracene	µg/kg							<410
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							<410
Dichlorophenol,2,4-	µg/kg							<410
Diethyl Phthalate	µg/kg							<410
Dimethyl Phthalate	µg/kg							<410

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29	NK-SB-29	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65
	Sample ID	1016014	1016015	1018628	1018628	1018629	1018629	1018630
	Sample Date	07/15/1996	07/15/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	16:15	16:23	13:30	13:30	13:40	13:40	13:50
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3476-207	96-3474-205	AEL96011267	96-4863-059	AEL96011268	96-4864-060	AEL96011269
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							<410
Dinitro-o-cresol,4,6-	µg/kg							<410
Dinitrophenol,2,4-	µg/kg							<410
Dinitrotoluene,2,4-	µg/kg							<410
Dinitrotoluene,2,6-	µg/kg							<410
Diphenylhydrazine,1,2-	µg/kg							<410
Fluoranthene	µg/kg							<410
Fluorene	µg/kg							<410
Hexachlorobenzene	µg/kg							<410
Hexachlorobutadiene	µg/kg							<410
Hexachlorocyclopentadiene	µg/kg							<410
Hexachloroethane	µg/kg							<410
Indeno(1,2,3-cd)pyrene	µg/kg							<410
Isophorone	µg/kg							<410
N-nitroso-n-propylamine	µg/kg							<410
N-nitrosodimethylamine	µg/kg							<410
N-nitrosodiphenylamine	µg/kg							<410
Naphthalene	µg/kg							<410
Nitrobenzene	µg/kg							<410
Nitrophenol,2-	µg/kg							<410
Nitrophenol,4-	µg/kg							<410
Pentachlorophenol	µg/kg							<410
Phenanthrene	µg/kg							<410
Phenol	µg/kg							<410
Propane),2,2'-oxybis(2-chloro-	µg/kg							<410
Pyrene	µg/kg							<410
Trichlorobenzene,1,2,4-	µg/kg							<410
Trichlorophenol,2,4,6-	µg/kg							<410

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-29	NK-SB-29	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65
	Sample ID	1016014	1016015	1018628	1018628	1018629	1018629	1018630
	Sample Date	07/15/1996	07/15/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	16:15	16:23	13:30	13:30	13:40	13:40	13:50
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3476-207	96-3474-205	AEL96011267	96-4863-059	AEL96011268	96-4864-060	AEL96011269
Constituent	Units							
Acetone	µg/kg							<28
Acetonitrile	µg/kg							
Acrolein	µg/kg							<14
Acrylonitrile	µg/kg							<14
Allyl Chloride	µg/kg							
Benzene	µg/kg							<5.6
Benzene (screening)	µg/kg	<13	<13		<8 nc		<8 nc	
Bromobenzene	µg/kg							<5.6
Bromoform	µg/kg							<5.6
Carbon Disulfide	µg/kg							<5.6
Carbon Tetrachloride	µg/kg							<5.6
Chlorobenzene	µg/kg							<5.6
Chlorodibromomethane	µg/kg							<5.6
Chloroethane	µg/kg							<5.6
Chloroethyl Vinyl Ether,2-	µg/kg							<5.6
Chloroform	µg/kg							<5.6
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							<5.6
Chlorotoluene,p-	µg/kg							<5.6
Dibromomethane	µg/kg							<5.6
Dichlorobenzene,1,2-	µg/kg							<5.6
Dichlorobenzene,1,3-	µg/kg							<5.6
Dichlorobenzene,1,4-	µg/kg							<5.6
Dichlorobromomethane	µg/kg							<5.6
Dichlorodifluoromethane	µg/kg							<5.6
Dichloroethane,1,1-	µg/kg							<5.6
Dichloroethane,1,2-	µg/kg							<5.6
Dichloroethylene,1,1-	µg/kg							<5.6

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29	NK-SB-29	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65
	Sample ID	1016014	1016015	1018628	1018628	1018629	1018629	1018630
	Sample Date	07/15/1996	07/15/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	16:15	16:23	13:30	13:30	13:40	13:40	13:50
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3476-207	96-3474-205	AEL96011267	96-4863-059	AEL96011268	96-4864-060	AEL96011269
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg							<5.6
Dichloroethylene,1,2-trans-	µg/kg							<5.6
Dichloropropane,1,2-	µg/kg							<5.6
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							<5.6
Dichloropropylene,1,3-trans-	µg/kg							<5.6
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							<5.6
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							<14
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							<5.6
Methyl Chloride	µg/kg							<5.6
Methyl Ethyl Ketone	µg/kg							<14
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							<14
Methyl-tert-butyl Ether	µg/kg							<5.6
Methylene Chloride	µg/kg							<14
Propionitrile	µg/kg							
Styrene	µg/kg							<5.6
Tetrachloroethane,1,1,1,2-	µg/kg							<5.6
Tetrachloroethane,1,1,2,2-	µg/kg							<5.6
Tetrachloroethylene	µg/kg							<5.6
Tetrachloroethylene (screening)	µg/kg	<20	<20		<22 nc		<23 nc	

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29	NK-SB-29	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-65
	Sample ID	1016014	1016015	1018628	1018628	1018629	1018629	1018630
	Sample Date	07/15/1996	07/15/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	16:15	16:23	13:30	13:30	13:40	13:40	13:50
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3476-207	96-3474-205	AEL96011267	96-4863-059	AEL96011268	96-4864-060	AEL96011269
Constituent	Units							
Toluene	µg/kg							<5.6
Toluene (screening)	µg/kg	<19	<18		<12 nc		<13 nc	
Trichloroethane,1,1,1-	µg/kg							<5.6
Trichloroethane,1,1,1- (screening)	µg/kg	<325	<315		<219 nc		<229 nc	
Trichloroethane,1,1,2-	µg/kg							<5.6
Trichloroethylene	µg/kg							<5.6
Trichloroethylene (screening)	µg/kg	<32	<31		<22 nc		<23 nc	
Trichloromonofluoromethane	µg/kg							<5.6
Trichloropropane,1,2,3-	µg/kg							<5.6
Vinyl Acetate	µg/kg							<5.6
Vinyl Chloride	µg/kg							<5.6
Xylenes (Total)	µg/kg							<5.6
Xylenes (Total) (screening)	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66
	Sample ID	1018630	1018688	1018688	1018624	1018624	1018625	1018625
	Sample Date	09/30/1996	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	13:50	15:20	15:20	12:40	12:40	12:55	12:55
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4865-061	AEL96011282	96-4885-082	AEL96011263	96-4856-052	AEL96011264	96-4860-056
Constituent	Units							
Date Metals Analyzed	-		10/10/1996					
Date Organics Analyzed	-	10/01/1996		10/02/1996		10/01/1996		10/01/1996
Date Physical Analysed	-				10/15/1996		10/15/1996	
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg		<0.943					
Arsenic (SPLP)	mg/L							
Barium	mg/kg		33.1					
Barium (SPLP)	mg/L							
Cadmium	mg/kg		<2.83					
Cadmium (SPLP)	mg/L							
Chromium	mg/kg		<4.72					
Chromium (SPLP)	mg/L							
Lead	mg/kg		<18.9					
Lead (SPLP)	mg/L							
Mercury	mg/kg		<0.189					
Mercury (SPLP)	mg/L							
Nickel	mg/kg		<9.43					
Nickel (SPLP)	mg/L							
Selenium	mg/kg		<0.943					
Selenium (SPLP)	mg/L							
Silver	mg/kg		<4.72					
Silver (SPLP)	mg/L							
Zinc	mg/kg		8.58					
Zinc (SPLP)	mg/L							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66
	Sample ID	1018630	1018688	1018688	1018624	1018624	1018625	1018625
	Sample Date	09/30/1996	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	13:50	15:20	15:20	12:40	12:40	12:55	12:55
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4865-061	AEL96011282	96-4885-082	AEL96011263	96-4856-052	AEL96011264	96-4860-056
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg				<45.6		<39.1	
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66
	Sample ID	1018630	1018688	1018688	1018624	1018624	1018625	1018625
	Sample Date	09/30/1996	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	13:50	15:20	15:20	12:40	12:40	12:55	12:55
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4865-061	AEL96011282	96-4885-082	AEL96011263	96-4856-052	AEL96011264	96-4860-056
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66
	Sample ID	1018630	1018688	1018688	1018624	1018624	1018625	1018625
	Sample Date	09/30/1996	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	13:50	15:20	15:20	12:40	12:40	12:55	12:55
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4865-061	AEL96011282	96-4885-082	AEL96011263	96-4856-052	AEL96011264	96-4860-056
Constituent	Units							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<8		<8		<6		<8
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66
	Sample ID	1018630	1018688	1018688	1018624	1018624	1018625	1018625
	Sample Date	09/30/1996	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	13:50	15:20	15:20	12:40	12:40	12:55	12:55
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4865-061	AEL96011282	96-4885-082	AEL96011263	96-4856-052	AEL96011264	96-4860-056
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg			<17				
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg	<22		<22		<17		<20

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-65	NK-SB-65	NK-SB-65	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66
	Sample ID	1018630	1018688	1018688	1018624	1018624	1018625	1018625
	Sample Date	09/30/1996	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	13:50	15:20	15:20	12:40	12:40	12:55	12:55
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4865-061	AEL96011282	96-4885-082	AEL96011263	96-4856-052	AEL96011264	96-4860-056
Constituent	Units							
Toluene	µg/kg							
Toluene (screening)	µg/kg	<12		<12		<10		<11
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg	<215		<215		<170		<203
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg	<21		<21		<17		<20
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes (Total) (screening)	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-67
	Sample ID	1018626	1018626	1018627	1018627	1018687	1018687	1018621
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996	09/30/1996
	Sample Time	13:10	13:10	13:20	13:20	14:50	14:50	11:00
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011265	96-4861-057	AEL96011266	96-4862-058	AEL96011281	96-4884-081	AEL96011260
Constituent	Units							
Date Metals Analyzed	-					10/10/1996		
Date Organics Analyzed	-		10/01/1996		10/01/1996		10/02/1996	
Date Physical Analysed	-	10/15/1996		10/15/1996				10/08/1996
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg					<0.962		
Arsenic (SPLP)	mg/L							
Barium	mg/kg					27.7		
Barium (SPLP)	mg/L							
Cadmium	mg/kg					<2.88		
Cadmium (SPLP)	mg/L							
Chromium	mg/kg					<4.81		
Chromium (SPLP)	mg/L							
Lead	mg/kg					<19.2		
Lead (SPLP)	mg/L							
Mercury	mg/kg					<0.192		
Mercury (SPLP)	mg/L							
Nickel	mg/kg					<9.62		
Nickel (SPLP)	mg/L							
Selenium	mg/kg					<0.962		
Selenium (SPLP)	mg/L							
Silver	mg/kg					<4.81		
Silver (SPLP)	mg/L							
Zinc	mg/kg					8.27		
Zinc (SPLP)	mg/L							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-67
	Sample ID	1018626	1018626	1018627	1018627	1018687	1018687	1018621
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996	09/30/1996
	Sample Time	13:10	13:10	13:20	13:20	14:50	14:50	11:00
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011265	96-4861-057	AEL96011266	96-4862-058	AEL96011281	96-4884-081	AEL96011260
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	<38.0		<40.4				<39.7
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-67
	Sample ID	1018626	1018626	1018627	1018627	1018687	1018687	1018621
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996	09/30/1996
	Sample Time	13:10	13:10	13:20	13:20	14:50	14:50	11:00
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011265	96-4861-057	AEL96011266	96-4862-058	AEL96011281	96-4884-081	AEL96011260
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-67
	Sample ID	1018626	1018626	1018627	1018627	1018687	1018687	1018621
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996	09/30/1996
	Sample Time	13:10	13:10	13:20	13:20	14:50	14:50	11:00
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011265	96-4861-057	AEL96011266	96-4862-058	AEL96011281	96-4884-081	AEL96011260
Constituent	Units							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg		<8		<8		<7	
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-67
	Sample ID	1018626	1018626	1018627	1018627	1018687	1018687	1018621
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996	09/30/1996
	Sample Time	13:10	13:10	13:20	13:20	14:50	14:50	11:00
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011265	96-4861-057	AEL96011266	96-4862-058	AEL96011281	96-4884-081	AEL96011260
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg						<15	
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg		<20		<21		<19	

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-66	NK-SB-67
	Sample ID	1018626	1018626	1018627	1018627	1018687	1018687	1018621
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996	09/30/1996
	Sample Time	13:10	13:10	13:20	13:20	14:50	14:50	11:00
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011265	96-4861-057	AEL96011266	96-4862-058	AEL96011281	96-4884-081	AEL96011260
Constituent	Units							
Toluene	µg/kg							
Toluene (screening)	µg/kg		<11		<12		<10	
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg		<203		<211		<185	
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg		<20		<21		<18	
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67
	Sample ID	1018621	1018622	1018622	1018623	1018623	1018685	1018685
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996
	Sample Time	11:00	11:15	11:15	11:30	11:30	13:50	13:50
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4854-050	AEL96011261	96-4853-049	AEL96011262	96-4855-051	AEL96011279	96-4882-079
Constituent	Units							
Date Metals Analyzed	-						10/10/1996	
Date Organics Analyzed	-	10/01/1996		10/01/1996		10/01/1996		10/02/1996
Date Physical Analysed	-		10/15/1996		10/15/1996			
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg						<1.02	
Arsenic (SPLP)	mg/L							
Barium	mg/kg						20.1	
Barium (SPLP)	mg/L							
Cadmium	mg/kg						<3.06	
Cadmium (SPLP)	mg/L							
Chromium	mg/kg						<5.1	
Chromium (SPLP)	mg/L							
Lead	mg/kg						<20.4	
Lead (SPLP)	mg/L							
Mercury	mg/kg						<0.204	
Mercury (SPLP)	mg/L							
Nickel	mg/kg						<10.2	
Nickel (SPLP)	mg/L							
Selenium	mg/kg						<1.02	
Selenium (SPLP)	mg/L							
Silver	mg/kg						<5.1	
Silver (SPLP)	mg/L							
Zinc	mg/kg						7.45	
Zinc (SPLP)	mg/L							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67
	Sample ID	1018621	1018622	1018622	1018623	1018623	1018685	1018685
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996
	Sample Time	11:00	11:15	11:15	11:30	11:30	13:50	13:50
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4854-050	AEL96011261	96-4853-049	AEL96011262	96-4855-051	AEL96011279	96-4882-079
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<40.0		<39.8			
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67
	Sample ID	1018621	1018622	1018622	1018623	1018623	1018685	1018685
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996
	Sample Time	11:00	11:15	11:15	11:30	11:30	13:50	13:50
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4854-050	AEL96011261	96-4853-049	AEL96011262	96-4855-051	AEL96011279	96-4882-079
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67
	Sample ID	1018621	1018622	1018622	1018623	1018623	1018685	1018685
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996
	Sample Time	11:00	11:15	11:15	11:30	11:30	13:50	13:50
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4854-050	AEL96011261	96-4853-049	AEL96011262	96-4855-051	AEL96011279	96-4882-079
Constituent	Units							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<8 nc		<8		<6		<8
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67
	Sample ID	1018621	1018622	1018622	1018623	1018623	1018685	1018685
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996
	Sample Time	11:00	11:15	11:15	11:30	11:30	13:50	13:50
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4854-050	AEL96011261	96-4853-049	AEL96011262	96-4855-051	AEL96011279	96-4882-079
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg							<17
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg	<22 nc		<21		<16		<22

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67	NK-SB-67
	Sample ID	1018621	1018622	1018622	1018623	1018623	1018685	1018685
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996	10/01/1996
	Sample Time	11:00	11:15	11:15	11:30	11:30	13:50	13:50
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4854-050	AEL96011261	96-4853-049	AEL96011262	96-4855-051	AEL96011279	96-4882-079
Constituent	Units							
Toluene	µg/kg							
Toluene (screening)	µg/kg	<13 nc		<12		<9		<12
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg	<224 nc		<207		<163		<215
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg	<22 nc		<20		<16		<21
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes (Total) (screening)	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-67	NK-SB-67	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68
	Sample ID	1018686	1018686	1018631	1018631	1018632	1018632	1018633
	Sample Date	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:15	14:15	14:00	14:00	14:10	14:10	14:20
	Sample Depth	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011280	96-4883-080	AEL96011270	96-4866-062	AEL96011271	96-4867-063	AEL96011272
Constituent	Units							
Date Metals Analyzed	-	10/10/1996						
Date Organics Analyzed	-		10/02/1996		10/01/1996	10/09/1996	10/01/1996	
Date Physical Analysed	-			10/15/1996		10/15/1996		10/15/1996
Date Semi-volatile Organics Analyzed	-					10/22/1996		
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg	<1.02						
Arsenic (SPLP)	mg/L							
Barium	mg/kg	25.6						
Barium (SPLP)	mg/L							
Cadmium	mg/kg	<3.06						
Cadmium (SPLP)	mg/L							
Chromium	mg/kg	<5.1						
Chromium (SPLP)	mg/L							
Lead	mg/kg	<20.4						
Lead (SPLP)	mg/L							
Mercury	mg/kg	<0.204						
Mercury (SPLP)	mg/L							
Nickel	mg/kg	<10.2						
Nickel (SPLP)	mg/L							
Selenium	mg/kg	<1.02						
Selenium (SPLP)	mg/L							
Silver	mg/kg	<5.1						
Silver (SPLP)	mg/L							
Zinc	mg/kg	8.88						
Zinc (SPLP)	mg/L							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-67	NK-SB-67	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68
	Sample ID	1018686	1018686	1018631	1018631	1018632	1018632	1018633
	Sample Date	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:15	14:15	14:00	14:00	14:10	14:10	14:20
	Sample Depth	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011280	96-4883-080	AEL96011270	96-4866-062	AEL96011271	96-4867-063	AEL96011272
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg			<38.3		<39.6		<38.4
Acenaphthene	µg/kg					<390		
Acenaphthylene	µg/kg					<390		
Anthracene	µg/kg					<390		
Benzidine	µg/kg					<390		
Benzo[a]anthracene	µg/kg					<390		
Benzo[a]pyrene	µg/kg					<390		
Benzo[b]fluoranthene	µg/kg					<390		
Benzo[ghi]perylene	µg/kg					<390		
Benzo[k]fluoranthene	µg/kg					<390		
Bis(2-chloroethoxy)methane	µg/kg					<390		
Bis(2-chloroethyl) Ether	µg/kg					<390		
Bis(2-ethylhexyl)phthalate	µg/kg					<390		
Bromophenyl Phenyl Ether,4-	µg/kg					<390		
Butyl Benzyl Phthalate	µg/kg					<390		
Chloronaphthalene,2-	µg/kg					<390		
Chlorophenol,2-	µg/kg					<390		
Chlorophenyl Phenyl Ether,4-	µg/kg					<390		
Chrysene	µg/kg					<390		
Di-n-butyl Phthalate	µg/kg					<390		
Di-n-octyl Phthalate	µg/kg					<390		
Dibenzo[a,h]anthracene	µg/kg					<390		
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg					<390		
Dichlorophenol,2,4-	µg/kg					<390		
Diethyl Phthalate	µg/kg					<390		
Dimethyl Phthalate	µg/kg					<390		

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-67	NK-SB-67	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68
	Sample ID	1018686	1018686	1018631	1018631	1018632	1018632	1018633
	Sample Date	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:15	14:15	14:00	14:00	14:10	14:10	14:20
	Sample Depth	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011280	96-4883-080	AEL96011270	96-4866-062	AEL96011271	96-4867-063	AEL96011272
Constituent	Units							
Dimethylphenol,2,4-	µg/kg					<390		
Dinitro-o-cresol,4,6-	µg/kg					<390		
Dinitrophenol,2,4-	µg/kg					<390		
Dinitrotoluene,2.4-	µg/kg					<390		
Dinitrotoluene,2,6-	µg/kg					<390		
Diphenylhydrazine,1,2-	µg/kg					<390		
Fluoranthene	µg/kg					<390		
Fluorene	µg/kg					<390		
Hexachlorobenzene	µg/kg					<390		
Hexachlorobutadiene	µg/kg					<390		
Hexachlorocyclopentadiene	µg/kg					<390		
Hexachloroethane	µg/kg					<390		
Indeno(1,2,3-cd)pyrene	µg/kg					<390		
Isophorone	µg/kg					<390		
N-nitroso-n-propylamine	µg/kg					<390		
N-nitrosodimethylamine	µg/kg					<390		
N-nitrosodiphenylamine	µg/kg					<390		
Naphthalene	µg/kg					<390		
Nitrobenzene	µg/kg					<390		
Nitrophenol,2-	µg/kg					<390		
Nitrophenol,4-	µg/kg					<390		
Pentachlorophenol	µg/kg					<390		
Phenanthrene	µg/kg					<390		
Phenol	µg/kg					<390		
Propane),2,2'-oxybis(2-chloro-	µg/kg					<390		
Pyrene	µg/kg					<390		
Trichlorobenzene,1,2,4-	µg/kg					<390		
Trichlorophenol,2.4.6-	µg/kg					<390		

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-67	NK-SB-67	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68
	Sample ID	1018686	1018686	1018631	1018631	1018632	1018632	1018633
	Sample Date	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:15	14:15	14:00	14:00	14:10	14:10	14:20
	Sample Depth	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011280	96-4883-080	AEL96011270	96-4866-062	AEL96011271	96-4867-063	AEL96011272
Constituent	Units							
Acetone	µg/kg					<25		
Acetonitrile	µg/kg							
Acrolein	µg/kg					<12		
Acrylonitrile	µg/kg					<12		
Allyl Chloride	µg/kg							
Benzene	µg/kg					<4.9		
Benzene (screening)	µg/kg		<8		<8		<8	
Bromobenzene	µg/kg					<4.9		
Bromoform	µg/kg					<4.9		
Carbon Disulfide	µg/kg					<4.9		
Carbon Tetrachloride	µg/kg					<4.9		
Chlorobenzene	µg/kg					<4.9		
Chlorodibromomethane	µg/kg					<4.9		
Chloroethane	µg/kg					<4.9		
Chloroethyl Vinyl Ether,2-	µg/kg					<4.9		
Chloroform	µg/kg					<4.9		
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg					<4.9		
Chlorotoluene,p-	µg/kg					<4.9		
Dibromomethane	µg/kg					<4.9		
Dichlorobenzene,1,2-	µg/kg					<4.9		
Dichlorobenzene,1,3-	µg/kg					<4.9		
Dichlorobenzene,1,4-	µg/kg					<4.9		
Dichlorobromomethane	µg/kg					<4.9		
Dichlorodifluoromethane	µg/kg					<4.9		
Dichloroethane,1,1-	µg/kg					<4.9		
Dichloroethane,1,2-	µg/kg					<4.9		
Dichloroethylene,1,1-	µg/kg					<4.9		

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-67	NK-SB-67	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68
	Sample ID	1018686	1018686	1018631	1018631	1018632	1018632	1018633
	Sample Date	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:15	14:15	14:00	14:00	14:10	14:10	14:20
	Sample Depth	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011280	96-4883-080	AEL96011270	96-4866-062	AEL96011271	96-4867-063	AEL96011272
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg					<4.9		
Dichloroethylene,1,2-trans-	µg/kg					<4.9		
Dichloropropane,1,2-	µg/kg					<4.9		
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg					<4.9		
Dichloropropylene,1,3-trans-	µg/kg					<4.9		
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg					<4.9		
Ethylbenzene (screening)	µg/kg		<17					
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg					<12		
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg					<4.9		
Methyl Chloride	µg/kg					<4.9		
Methyl Ethyl Ketone	µg/kg					<12		
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg					<12		
Methyl-tert-butyl Ether	µg/kg					<4.9		
Methylene Chloride	µg/kg					<15		
Propionitrile	µg/kg							
Styrene	µg/kg					<4.9		
Tetrachloroethane,1,1,1,2-	µg/kg					<4.9		
Tetrachloroethane,1,1,2,2-	µg/kg					<4.9		
Tetrachloroethylene	µg/kg					<4.9		
Tetrachloroethylene (screening)	µg/kg		<22		<21		6 J	

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-67	NK-SB-67	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68	NK-SB-68
	Sample ID	1018686	1018686	1018631	1018631	1018632	1018632	1018633
	Sample Date	10/01/1996	10/01/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:15	14:15	14:00	14:00	14:10	14:10	14:20
	Sample Depth	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011280	96-4883-080	AEL96011270	96-4866-062	AEL96011271	96-4867-063	AEL96011272
Constituent	Units							
Toluene	µg/kg					<4.9		
Toluene (screening)	µg/kg		<12		<12		<11	
Trichloroethane,1,1,1-	µg/kg					<4.9		
Trichloroethane,1,1,1- (screening)	µg/kg		<215		<211		<203	
Trichloroethane,1,1,2-	µg/kg					<4.9		
Trichloroethylene	µg/kg					<4.9		
Trichloroethylene (screening)	µg/kg		<21		<21		<20	
Trichloromonofluoromethane	µg/kg					<4.9		
Trichloropropane,1,2,3-	µg/kg					<4.9		
Vinyl Acetate	µg/kg					<4.9		
Vinyl Chloride	µg/kg					<4.9		
Xylenes (Total)	µg/kg					<4.9		
Xylenes (Total) (screening)	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-68	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69
	Sample ID	1018633	1018634	1018634	1018635	1018635	1018636	1018636
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:20	14:30	14:30	14:40	14:40	15:00	15:00
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4869-066	AEL96011273	96-4870-067	AEL96011274	96-4871-068	AEL96011275	96-4872-069
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	10/01/1996		10/01/1996	10/09/1996	10/01/1996		10/01/1996
Date Physical Analysed	-		10/15/1996		10/15/1996		10/15/1996	
Date Semi-volatile Organics Analyzed	-				10/22/1996			
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg							
Arsenic (SPLP)	mg/L							
Barium	mg/kg							
Barium (SPLP)	mg/L							
Cadmium	mg/kg							
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							
Chromium (SPLP)	mg/L							
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Mercury (SPLP)	mg/L							
Nickel	mg/kg							
Nickel (SPLP)	mg/L							
Selenium	mg/kg							
Selenium (SPLP)	mg/L							
Silver	mg/kg							
Silver (SPLP)	mg/L							
Zinc	mg/kg							
Zinc (SPLP)	mg/L							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-68	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69
	Sample ID	1018633	1018634	1018634	1018635	1018635	1018636	1018636
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:20	14:30	14:30	14:40	14:40	15:00	15:00
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4869-066	AEL96011273	96-4870-067	AEL96011274	96-4871-068	AEL96011275	96-4872-069
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<38.1		<39.4		<39.5	
Acenaphthene	µg/kg				<390			
Acenaphthylene	µg/kg				<390			
Anthracene	µg/kg				<390			
Benzidine	µg/kg				<390			
Benzo[a]anthracene	µg/kg				<390			
Benzo[a]pyrene	µg/kg				<390			
Benzo[b]fluoranthene	µg/kg				<390			
Benzo[ghi]perylene	µg/kg				<390			
Benzo[k]fluoranthene	µg/kg				<390			
Bis(2-chloroethoxy)methane	µg/kg				<390			
Bis(2-chloroethyl) Ether	µg/kg				<390			
Bis(2-ethylhexyl)phthalate	µg/kg				<390			
Bromophenyl Phenyl Ether,4-	µg/kg				<390			
Butyl Benzyl Phthalate	µg/kg				<390			
Chloronaphthalene,2-	µg/kg				<390			
Chlorophenol,2-	µg/kg				<390			
Chlorophenyl Phenyl Ether,4-	µg/kg				<390			
Chrysene	µg/kg				<390			
Di-n-butyl Phthalate	µg/kg				<390			
Di-n-octyl Phthalate	µg/kg				<390			
Dibenzo[a,h]anthracene	µg/kg				<390			
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg				<390			
Dichlorophenol,2,4-	µg/kg				<390			
Diethyl Phthalate	µg/kg				<390			
Dimethyl Phthalate	µg/kg				<390			

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-68	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69
	Sample ID	1018633	1018634	1018634	1018635	1018635	1018636	1018636
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:20	14:30	14:30	14:40	14:40	15:00	15:00
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4869-066	AEL96011273	96-4870-067	AEL96011274	96-4871-068	AEL96011275	96-4872-069
Constituent	Units							
Dimethylphenol,2,4-	µg/kg				<390			
Dinitro-o-cresol,4,6-	µg/kg				<390			
Dinitrophenol,2,4-	µg/kg				<390			
Dinitrotoluene,2,4-	µg/kg				<390			
Dinitrotoluene,2,6-	µg/kg				<390			
Diphenylhydrazine,1,2-	µg/kg				<390			
Fluoranthene	µg/kg				<390			
Fluorene	µg/kg				<390			
Hexachlorobenzene	µg/kg				<390			
Hexachlorobutadiene	µg/kg				<390			
Hexachlorocyclopentadiene	µg/kg				<390			
Hexachloroethane	µg/kg				<390			
Indeno(1,2,3-cd)pyrene	µg/kg				<390			
Isophorone	µg/kg				<390			
N-nitroso-n-propylamine	µg/kg				<390			
N-nitrosodimethylamine	µg/kg				<390			
N-nitrosodiphenylamine	µg/kg				<390			
Naphthalene	µg/kg				<390			
Nitrobenzene	µg/kg				<390			
Nitrophenol,2-	µg/kg				<390			
Nitrophenol,4-	µg/kg				<390			
Pentachlorophenol	µg/kg				<390			
Phenanthrene	µg/kg				<390			
Phenol	µg/kg				<390			
Propane),2,2'-oxybis(2-chloro-	µg/kg				<390			
Pyrene	µg/kg				<390			
Trichlorobenzene,1,2,4-	µg/kg				<390			
Trichlorophenol,2,4,6-	µg/kg				<390			

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-68	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69
	Sample ID	1018633	1018634	1018634	1018635	1018635	1018636	1018636
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:20	14:30	14:30	14:40	14:40	15:00	15:00
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4869-066	AEL96011273	96-4870-067	AEL96011274	96-4871-068	AEL96011275	96-4872-069
Constituent	Units							
Acetone	µg/kg				<25			
Acetonitrile	µg/kg							
Acrolein	µg/kg				<12			
Acrylonitrile	µg/kg				<12			
Allyl Chloride	µg/kg							
Benzene	µg/kg				<4.9			
Benzene (screening)	µg/kg	<7		<8		<8		<8
Bromobenzene	µg/kg				<4.9			
Bromoform	µg/kg				<4.9			
Carbon Disulfide	µg/kg				<4.9			
Carbon Tetrachloride	µg/kg				<4.9			
Chlorobenzene	µg/kg				<4.9			
Chlorodibromomethane	µg/kg				<4.9			
Chloroethane	µg/kg				<4.9			
Chloroethyl Vinyl Ether,2-	µg/kg				<4.9			
Chloroform	µg/kg				<4.9			
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg				<4.9			
Chlorotoluene,p-	µg/kg				<4.9			
Dibromomethane	µg/kg				<4.9			
Dichlorobenzene,1,2-	µg/kg				<4.9			
Dichlorobenzene,1,3-	µg/kg				<4.9			
Dichlorobenzene,1,4-	µg/kg				<4.9			
Dichlorobromomethane	µg/kg				<4.9			
Dichlorodifluoromethane	µg/kg				<4.9			
Dichloroethane,1,1-	µg/kg				<4.9			
Dichloroethane,1,2-	µg/kg				<4.9			
Dichloroethylene,1,1-	µg/kg				<4.9			

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-68	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69
	Sample ID	1018633	1018634	1018634	1018635	1018635	1018636	1018636
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:20	14:30	14:30	14:40	14:40	15:00	15:00
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4869-066	AEL96011273	96-4870-067	AEL96011274	96-4871-068	AEL96011275	96-4872-069
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg				<4.9			
Dichloroethylene,1,2-trans-	µg/kg				<4.9			
Dichloropropane,1,2-	µg/kg				<4.9			
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg				<4.9			
Dichloropropylene,1,3-trans-	µg/kg				<4.9			
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg				<4.9			
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg				<12			
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg				<4.9			
Methyl Chloride	µg/kg				<4.9			
Methyl Ethyl Ketone	µg/kg				<12			
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg				<12			
Methyl-tert-butyl Ether	µg/kg				<4.9			
Methylene Chloride	µg/kg				<8.6			
Propionitrile	µg/kg							
Styrene	µg/kg				<4.9			
Tetrachloroethane,1,1,1,2-	µg/kg				<4.9			
Tetrachloroethane,1,1,2,2-	µg/kg				<4.9			
Tetrachloroethylene	µg/kg				<4.9			
Tetrachloroethylene (screening)	µg/kg	<20		<20		<21		<22

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-68	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69	NK-SB-69
	Sample ID	1018633	1018634	1018634	1018635	1018635	1018636	1018636
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996
	Sample Time	14:20	14:30	14:30	14:40	14:40	15:00	15:00
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4869-066	AEL96011273	96-4870-067	AEL96011274	96-4871-068	AEL96011275	96-4872-069
Constituent	Units							
Toluene	µg/kg				<4.9			
Toluene (screening)	µg/kg	<11		<11		<12		<12
Trichloroethane,1,1,1-	µg/kg				<4.9			
Trichloroethane,1,1,1- (screening)	µg/kg	<199		<203		<211		<215
Trichloroethane,1,1,2-	µg/kg				<4.9			
Trichloroethylene	µg/kg				<4.9			
Trichloroethylene (screening)	µg/kg	<20		<20		<21		<21
Trichloromonofluoromethane	µg/kg				<4.9			
Trichloropropane,1,2,3-	µg/kg				<4.9			
Vinyl Acetate	µg/kg				<4.9			
Vinyl Chloride	µg/kg				<4.9			
Xylenes (Total)	µg/kg				<4.9			
Xylenes (Total) (screening)	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-71
	Sample ID	1018637	1018637	1018638	1018638	1018639	1018639	1018689
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996
	Sample Time	15:05	15:05	15:10	15:10	15:20	15:20	16:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011276	96-4873-070	AEL96011277	96-4874-071	AEL96011278	96-4875-072	AEL96011283
Constituent	Units							
Date Metals Analyzed	-							10/10/1996
Date Organics Analyzed	-		10/01/1996	10/09/1996	10/01/1996		10/01/1996	
Date Physical Analysed	-	10/15/1996		10/15/1996		10/15/1996		
Date Semi-volatile Organics Analyzed	-			10/22/1996				
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg							<0.980
Arsenic (SPLP)	mg/L							
Barium	mg/kg							27.2
Barium (SPLP)	mg/L							
Cadmium	mg/kg							<2.94
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							<4.9
Chromium (SPLP)	mg/L							
Lead	mg/kg							<19.6
Lead (SPLP)	mg/L							
Mercury	mg/kg							<0.196
Mercury (SPLP)	mg/L							
Nickel	mg/kg							<9.80
Nickel (SPLP)	mg/L							
Selenium	mg/kg							<0.980
Selenium (SPLP)	mg/L							
Silver	mg/kg							<4.9
Silver (SPLP)	mg/L							
Zinc	mg/kg							7.94
Zinc (SPLP)	mg/L							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-71
	Sample ID	1018637	1018637	1018638	1018638	1018639	1018639	1018689
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996
	Sample Time	15:05	15:05	15:10	15:10	15:20	15:20	16:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011276	96-4873-070	AEL96011277	96-4874-071	AEL96011278	96-4875-072	AEL96011283
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	<39.0		151		<41.6		
Acenaphthene	µg/kg			<410				
Acenaphthylene	µg/kg			<410				
Anthracene	µg/kg			<410				
Benzidine	µg/kg			<410				
Benzo[a]anthracene	µg/kg			<410				
Benzo[a]pyrene	µg/kg			<410				
Benzo[b]fluoranthene	µg/kg			<410				
Benzo[ghi]perylene	µg/kg			<410				
Benzo[k]fluoranthene	µg/kg			<410				
Bis(2-chloroethoxy)methane	µg/kg			<410				
Bis(2-chloroethyl) Ether	µg/kg			<410				
Bis(2-ethylhexyl)phthalate	µg/kg			<410				
Bromophenyl Phenyl Ether,4-	µg/kg			<410				
Butyl Benzyl Phthalate	µg/kg			<410				
Chloronaphthalene,2-	µg/kg			<410				
Chlorophenol,2-	µg/kg			<410				
Chlorophenyl Phenyl Ether,4-	µg/kg			<410				
Chrysene	µg/kg			<410				
Di-n-butyl Phthalate	µg/kg			<410				
Di-n-octyl Phthalate	µg/kg			<410				
Dibenzo[a,h]anthracene	µg/kg			<410				
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg			<410				
Dichlorophenol,2,4-	µg/kg			<410				
Diethyl Phthalate	µg/kg			<410				
Dimethyl Phthalate	µg/kg			<410				

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-71
	Sample ID	1018637	1018637	1018638	1018638	1018639	1018639	1018689
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996
	Sample Time	15:05	15:05	15:10	15:10	15:20	15:20	16:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011276	96-4873-070	AEL96011277	96-4874-071	AEL96011278	96-4875-072	AEL96011283
Constituent	Units							
Dimethylphenol,2,4-	µg/kg			<410				
Dinitro-o-cresol,4,6-	µg/kg			<410				
Dinitrophenol,2,4-	µg/kg			<410				
Dinitrotoluene,2,4-	µg/kg			<410				
Dinitrotoluene,2,6-	µg/kg			<410				
Diphenylhydrazine,1,2-	µg/kg			<410				
Fluoranthene	µg/kg			<410				
Fluorene	µg/kg			<410				
Hexachlorobenzene	µg/kg			<410				
Hexachlorobutadiene	µg/kg			<410				
Hexachlorocyclopentadiene	µg/kg			<410				
Hexachloroethane	µg/kg			<410				
Indeno(1,2,3-cd)pyrene	µg/kg			<410				
Isophorone	µg/kg			<410				
N-nitroso-n-propylamine	µg/kg			<410				
N-nitrosodimethylamine	µg/kg			<410				
N-nitrosodiphenylamine	µg/kg			<410				
Naphthalene	µg/kg			<410				
Nitrobenzene	µg/kg			<410				
Nitrophenol,2-	µg/kg			<410				
Nitrophenol,4-	µg/kg			<410				
Pentachlorophenol	µg/kg			<410				
Phenanthrene	µg/kg			<410				
Phenol	µg/kg			<410				
Propane),2,2'-oxybis(2-chloro-	µg/kg			<410				
Pyrene	µg/kg			<410				
Trichlorobenzene,1,2,4-	µg/kg			<410				
Trichlorophenol,2,4,6-	µg/kg			<410				

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-TP-17S	NK-TP-17W	NK-TP-18B	NK-TP-18N	NK-TP-18S1	NK-TP-18S2
	Sample ID	1635164	1635166	1635170	1635167	1635168	1635169
	Sample Date	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	08:02	08:06	08:14	08:08	08:10	08:12
	Sample Depth						
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A7F110156002	A7F110156004	A7F110156008	A7F110156005	A7F110156006	A7F110156007
Constituent	Units						
Toluene	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Toluene (screening)	µg/kg						
Trichloroethane,1,1,1-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Trichloroethane,1,1,1- (screening)	µg/kg						
Trichloroethane,1,1,2-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Trichloroethylene	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Trichloroethylene (screening)	µg/kg						
Trichloromonofluoromethane	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Trichloropropane,1,2,3-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Vinyl Acetate	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Vinyl Chloride	µg/kg	<1400 U	<1400 U	<12 U	<11 U	<11 U	<11 U
Xylenes (Total)	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Xylenes (Total) (screening)	µg/kg						

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-71
	Sample ID	1018637	1018637	1018638	1018638	1018639	1018639	1018689
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996
	Sample Time	15:05	15:05	15:10	15:10	15:20	15:20	16:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011276	96-4873-070	AEL96011277	96-4874-071	AEL96011278	96-4875-072	AEL96011283
Constituent	Units							
Acetone	µg/kg			<26				
Acetonitrile	µg/kg							
Acrolein	µg/kg			<13				
Acrylonitrile	µg/kg			<13				
Allyl Chloride	µg/kg							
Benzene	µg/kg			<5.2				
Benzene (screening)	µg/kg		<8 nc		<8 nc		<9 nc	
Bromobenzene	µg/kg			<5.2				
Bromoform	µg/kg			<5.2				
Carbon Disulfide	µg/kg			<5.2				
Carbon Tetrachloride	µg/kg			<5.2				
Chlorobenzene	µg/kg			<5.2				
Chlorodibromomethane	µg/kg			<5.2				
Chloroethane	µg/kg			<5.2				
Chloroethyl Vinyl Ether,2-	µg/kg			<5.2				
Chloroform	µg/kg			<5.2				
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg			<5.2				
Chlorotoluene,p-	µg/kg			<5.2				
Dibromomethane	µg/kg			<5.2				
Dichlorobenzene,1,2-	µg/kg			<5.2				
Dichlorobenzene,1,3-	µg/kg			<5.2				
Dichlorobenzene,1,4-	µg/kg			<5.2				
Dichlorobromomethane	µg/kg			<5.2				
Dichlorodifluoromethane	µg/kg			<5.2				
Dichloroethane,1,1-	µg/kg			<5.2				
Dichloroethane,1,2-	µg/kg			<5.2				
Dichloroethylene,1,1-	µg/kg			<5.2				

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-71
	Sample ID	1018637	1018637	1018638	1018638	1018639	1018639	1018689
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996
	Sample Time	15:05	15:05	15:10	15:10	15:20	15:20	16:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011276	96-4873-070	AEL96011277	96-4874-071	AEL96011278	96-4875-072	AEL96011283
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg			<5.2				
Dichloroethylene,1,2-trans-	µg/kg			<5.2				
Dichloropropane,1,2-	µg/kg			<5.2				
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg			<5.2				
Dichloropropylene,1,3-trans-	µg/kg			<5.2				
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg			<5.2				
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg			<13				
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg			<5.2				
Methyl Chloride	µg/kg			<5.2				
Methyl Ethyl Ketone	µg/kg			<13				
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg			<13				
Methyl-tert-butyl Ether	µg/kg			<5.2				
Methylene Chloride	µg/kg			<5.2				
Propionitrile	µg/kg							
Styrene	µg/kg			<5.2				
Tetrachloroethane,1,1,1,2-	µg/kg			<5.2				
Tetrachloroethane,1,1,2,2-	µg/kg			<5.2				
Tetrachloroethylene	µg/kg			<5.2				
Tetrachloroethylene (screening)	µg/kg		<22 nc		<23 nc		<23 nc	

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-70	NK-SB-71
	Sample ID	1018637	1018637	1018638	1018638	1018639	1018639	1018689
	Sample Date	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	09/30/1996	10/01/1996
	Sample Time	15:05	15:05	15:10	15:10	15:20	15:20	16:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011276	96-4873-070	AEL96011277	96-4874-071	AEL96011278	96-4875-072	AEL96011283
Constituent	Units							
Toluene	µg/kg			<5.2				
Toluene (screening)	µg/kg		<12 nc		<13 nc		<13 nc	
Trichloroethane,1,1,1-	µg/kg			<5.2				
Trichloroethane,1,1,1- (screening)	µg/kg		<219 nc		<229 nc		<233 nc	
Trichloroethane,1,1,2-	µg/kg			<5.2				
Trichloroethylene	µg/kg			<5.2				
Trichloroethylene (screening)	µg/kg		<22 nc		<23 nc		<23 nc	
Trichloromonofluoromethane	µg/kg			<5.2				
Trichloropropane,1,2,3-	µg/kg			<5.2				
Vinyl Acetate	µg/kg			<5.2				
Vinyl Chloride	µg/kg			<5.2				
Xylenes (Total)	µg/kg			<5.2				
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-71	NK-SB-72	NK-SB-72	NK-SB-72	NK-SB-73	NK-TP-17E	NK-TP-17N
	Sample ID	1018689	1018690	1018690	1018690	1018684	1635165	1635163
	Sample Date	10/01/1996	10/02/1996	10/02/1996	10/02/1996	10/01/1996	06/10/1997	06/10/1997
	Sample Time	16:30	10:15	10:15	10:15	12:00	08:04	08:00
	Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'		
	Laboratory	LEA	AEL	AEL	LEA	LEA	QUAN	QUAN
	Lab. Number	96-4887-084	AEL96011288	AEL96011351	96-4892-090	96-4881-078	A7F110156003	A7F110156001
Constituent	Units							
Date Metals Analyzed	-		10/10/1996				06/26/1997	06/26/1997
Date Organics Analyzed	-	10/02/1996		10/10/1996	10/03/1996	10/02/1996	06/21/1997	06/21/1997
Date Physical Analysed	-						06/24/1997	06/24/1997
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg		<1.22				<1.2 U	<1.2 U
Arsenic (SPLP)	mg/L							
Barium	mg/kg		39.2				62.3	59.9
Barium (SPLP)	mg/L							
Cadmium	mg/kg		<3.65				<0.12 U	<0.12 U
Cadmium (SPLP)	mg/L							
Chromium	mg/kg		6.82				5.5	8.4
Chromium (SPLP)	mg/L							
Lead	mg/kg		<24.4				14.9	5.4
Lead (SPLP)	mg/L							
Mercury	mg/kg		<0.244				<0.18 U	<0.18 U
Mercury (SPLP)	mg/L							
Nickel	mg/kg		<12.2				<4.9 U	7.8
Nickel (SPLP)	mg/L							
Selenium	mg/kg		<1.22				<0.98 U	<0.94 U
Selenium (SPLP)	mg/L							
Silver	mg/kg		<6.09				<3.7 U	<3.5 U
Silver (SPLP)	mg/L							
Zinc	mg/kg		16.9				<18.3 U	23.2
Zinc (SPLP)	mg/L							

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-SB-71	NK-SB-72	NK-SB-72	NK-SB-72	NK-SB-73	NK-TP-17E	NK-TP-17N
	Sample ID	1018689	1018690	1018690	1018690	1018684	1635165	1635163
	Sample Date	10/01/1996	10/02/1996	10/02/1996	10/02/1996	10/01/1996	06/10/1997	06/10/1997
	Sample Time	16:30	10:15	10:15	10:15	12:00	08:04	08:00
	Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'		
	Laboratory	LEA	AEL	AEL	LEA	LEA	QUAN	QUAN
	Lab. Number	96-4887-084	AEL96011288	AEL96011351	96-4892-090	96-4881-078	A7F110156003	A7F110156001
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg						<6.1 U	<5.9 U
Total Petroleum Hydrocarbons	mg/kg						<61 U	1300
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg						<6.1 U	<5.9 U
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-71	NK-SB-72	NK-SB-72	NK-SB-72	NK-SB-73	NK-TP-17E	NK-TP-17N
	Sample ID	1018689	1018690	1018690	1018690	1018684	1635165	1635163
	Sample Date	10/01/1996	10/02/1996	10/02/1996	10/02/1996	10/01/1996	06/10/1997	06/10/1997
	Sample Time	16:30	10:15	10:15	10:15	12:00	08:04	08:00
	Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'		
	Laboratory	LEA	AEL	AEL	LEA	LEA	QUAN	QUAN
	Lab. Number	96-4887-084	AEL96011288	AEL96011351	96-4892-090	96-4881-078	A7F110156003	A7F110156001
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 07/01/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-71	NK-SB-72	NK-SB-72	NK-SB-72	NK-SB-73	NK-TP-17E	NK-TP-17N
	Sample ID	1018689	1018690	1018690	1018690	1018684	1635165	1635163
	Sample Date	10/01/1996	10/02/1996	10/02/1996	10/02/1996	10/01/1996	06/10/1997	06/10/1997
	Sample Time	16:30	10:15	10:15	10:15	12:00	08:04	08:00
	Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'		
	Laboratory	LEA	AEL	AEL	LEA	LEA	QUAN	QUAN
	Lab. Number	96-4887-084	AEL96011288	AEL96011351	96-4892-090	96-4881-078	A7F110156003	A7F110156001
Constituent	Units							
Acetone	µg/kg			<28			<120 U	<120 U
Acetonitrile	µg/kg						<61 U	<59 U
Acrolein	µg/kg			<14			<61 U	<59 U
Acrylonitrile	µg/kg			<14			<120 U	<120 U
Allyl Chloride	µg/kg						<120 U	<120 U
Benzene	µg/kg			<5.5			<6.1 U	<5.9 U
Benzene (screening)	µg/kg	<8			<8	<8		
Bromobenzene	µg/kg			<5.5				
Bromoform	µg/kg			<5.5			<6.1 U	<5.9 U
Carbon Disulfide	µg/kg			<5.5			<6.1 U	<5.9 U
Carbon Tetrachloride	µg/kg			<5.5			<6.1 U	<5.9 U
Chlorobenzene	µg/kg			<5.5			<6.1 U	<5.9 U
Chlorodibromomethane	µg/kg			<5.5			<6.1 U	<5.9 U
Chloroethane	µg/kg			<5.5			<12 U	<12 U
Chloroethyl Vinyl Ether,2-	µg/kg			<5.5				
Chloroform	µg/kg			<5.5			<6.1 U	<5.9 U
Chloroprene,beta-	µg/kg						<6.1 U	<5.9 U
Chlorotoluene,o-	µg/kg			<5.5				
Chlorotoluene,p-	µg/kg			<5.5				
Dibromomethane	µg/kg			<5.5			<6.1 U	<5.9 U
Dichlorobenzene,1,2-	µg/kg			<5.5				
Dichlorobenzene,1,3-	µg/kg			<5.5				
Dichlorobenzene,1,4-	µg/kg			<5.5				
Dichlorobromomethane	µg/kg			<5.5			<6.1 U	<5.9 U
Dichlorodifluoromethane	µg/kg			<5.5			<6.1 U	<5.9 U
Dichloroethane,1,1-	µg/kg			<5.5			<6.1 U	<5.9 U
Dichloroethane,1,2-	µg/kg			<5.5			<6.1 U	<5.9 U
Dichloroethylene,1,1-	µg/kg			<5.5			<6.1 U	<5.9 U

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

DRAFT

	Location ID	NK-SB-71	NK-SB-72	NK-SB-72	NK-SB-72	NK-SB-73	NK-TP-17E	NK-TP-17N
	Sample ID	1018689	1018690	1018690	1018690	1018684	1635165	1635163
	Sample Date	10/01/1996	10/02/1996	10/02/1996	10/02/1996	10/01/1996	06/10/1997	06/10/1997
	Sample Time	16:30	10:15	10:15	10:15	12:00	08:04	08:00
	Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'		
	Laboratory	LEA	AEL	AEL	LEA	LEA	QUAN	QUAN
	Lab. Number	96-4887-084	AEL96011288	AEL96011351	96-4892-090	96-4881-078	A7F110156003	A7F110156001
Constituent	Units							
Dichloroethylene,1,2-cis-	µg/kg			<5.5			<6.1 U	<5.9 U
Dichloroethylene,1,2-trans-	µg/kg			<5.5			<6.1 U	<5.9 U
Dichloropropane,1,2-	µg/kg			<5.5			<6.1 U	<5.9 U
Dichloropropylene,1,3-	µg/kg						<6.1 U	<5.9 U
Dichloropropylene,1,3-cis-	µg/kg			<5.5				
Dichloropropylene,1,3-trans-	µg/kg			<5.5				
Dioxane,1,4-	µg/kg						<180 U	<180 U
Ethyl Methacrylate	µg/kg						<6.1 U	<5.9 U
Ethylbenzene	µg/kg			<5.5			<6.1 U	<5.9 U
Ethylbenzene (screening)	µg/kg	<17			<16	<16		
Ethylene Dibromide	µg/kg						<6.1 U	<5.9 U
Hexanone,2-	µg/kg			<14			<61 U	<59 U
Iodomethane	µg/kg						<6.1 U	<5.9 U
Isobutyl Alcohol	µg/kg						<61 U	<59 U
Methacrylonitrile	µg/kg						<6.1 U	<5.9 U
Methyl Bromide	µg/kg			<5.5			<12 U	<12 U
Methyl Chloride	µg/kg			<5.5			<12 U	<12 U
Methyl Ethyl Ketone	µg/kg			<14			<120 U	<120 U
Methyl Methacrylate	µg/kg						<6.1 U	<5.9 U
Methyl-2-pentanone,4-	µg/kg			<14			<12 U	<12 U
Methyl-tert-butyl Ether	µg/kg			<5.5			<6.1 U	<5.9 U
Methylene Chloride	µg/kg			<15			<6.1 U	<5.9 U
Propionitrile	µg/kg						<24 U	<24 U
Styrene	µg/kg			<5.5			<6.1 U	<5.9 U
Tetrachloroethane,1,1,1,2-	µg/kg			<5.5			<6.1 U	<5.9 U
Tetrachloroethane,1,1,2,2-	µg/kg			<5.5			<6.1 U	<5.9 U
Tetrachloroethylene	µg/kg			<5.5 N1			<6.1 U	<5.9 U
Tetrachloroethylene (screening)	µg/kg	<22			<21	<21		

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-71	NK-SB-72	NK-SB-72	NK-SB-72	NK-SB-73	NK-TP-17E	NK-TP-17N
	Sample ID	1018689	1018690	1018690	1018690	1018684	1635165	1635163
	Sample Date	10/01/1996	10/02/1996	10/02/1996	10/02/1996	10/01/1996	06/10/1997	06/10/1997
	Sample Time	16:30	10:15	10:15	10:15	12:00	08:04	08:00
	Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'		
	Laboratory	LEA	AEL	AEL	LEA	LEA	QUAN	QUAN
	Lab. Number	96-4887-084	AEL96011288	AEL96011351	96-4892-090	96-4881-078	A7F110156003	A7F110156001
Constituent	Units							
Toluene	µg/kg			<5.5			<6.1 U	<5.9 U
Toluene (screening)	µg/kg	<12			<12	<12		
Trichloroethane,1,1,1-	µg/kg			<5.5			<6.1 U	<5.9 U
Trichloroethane,1,1,1- (screening)	µg/kg	<215			<207	<207		
Trichloroethane,1,1,2-	µg/kg			<5.5			<6.1 U	<5.9 U
Trichloroethylene	µg/kg			<5.5			<6.1 U	<5.9 U
Trichloroethylene (screening)	µg/kg	<21			<20	<20		
Trichloromonofluoromethane	µg/kg			<5.5			<6.1 U	<5.9 U
Trichloropropane,1,2,3-	µg/kg			<5.5			<6.1 U	<5.9 U
Vinyl Acetate	µg/kg			<5.5			<6.1 U	<5.9 U
Vinyl Chloride	µg/kg			<5.5			<12 U	<12 U
Xylenes (Total)	µg/kg			<5.5			<6.1 U	<5.9 U
Xylenes (Total) (screening)	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-TP-17S	NK-TP-17W	NK-TP-18B	NK-TP-18N	NK-TP-18S1	NK-TP-18S2
	Sample ID	1635164	1635166	1635170	1635167	1635168	1635169
	Sample Date	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	08:02	08:06	08:14	08:08	08:10	08:12
	Sample Depth						
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A7F110156002	A7F110156004	A7F110156008	A7F110156005	A7F110156006	A7F110156007
Constituent	Units						
Date Metals Analyzed	-	06/26/1997	06/27/1997	06/27/1997	06/27/1997	06/27/1997	06/27/1997
Date Organics Analyzed	-	06/23/1997	06/23/1997	06/21/1997	06/21/1997	06/21/1997	06/21/1997
Date Physical Analysed	-	06/24/1997	06/24/1997	06/24/1997	06/24/1997	06/24/1997	06/24/1997
Date Semi-volatile Organics Analyzed	-						
Date of Metals SPLP Analysis	-						
Date of Metals SPLP Extraction	-						
Date of Other SPLP Analysis	-						
Extraction Fluid No.	-						
Arsenic	mg/kg	<1.1 U	<1.1 U	1.2	<1.1 U	<1.1 U	1.4
Arsenic (SPLP)	mg/L						
Barium	mg/kg	60.8	30.5	25.9	33.6	<15.8 U	<16.9 U
Barium (SPLP)	mg/L						
Cadmium	mg/kg	<0.11 U	<0.11 U	0.18	<0.11 U	<0.11 U	0.12
Cadmium (SPLP)	mg/L						
Chromium	mg/kg	7.0	6.2	8.9	6.4	6.7	7.4
Chromium (SPLP)	mg/L						
Lead	mg/kg	2.9	3.0	9.4	4.5	3.6	4.8
Lead (SPLP)	mg/L						
Mercury	mg/kg	<0.17 U	<0.17 U	0.25	0.26	<0.16 U	<0.17 U
Mercury (SPLP)	mg/L						
Nickel	mg/kg	6.9	6.5	11.2	6.0	5.8	7.3
Nickel (SPLP)	mg/L						
Selenium	mg/kg	<0.89 U	<0.89 U	<0.94 U	<0.90 U	<0.84 U	<0.90 U
Selenium (SPLP)	mg/L						
Silver	mg/kg	<3.3 U	<3.3 U	<3.5 U	<3.4 U	<3.2 U	<3.4 U
Silver (SPLP)	mg/L						
Zinc	mg/kg	42.4	<16.7 U	32.1	17.9	<15.8 U	24.6
Zinc (SPLP)	mg/L						

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-TP-17S	NK-TP-17W	NK-TP-18B	NK-TP-18N	NK-TP-18S1	NK-TP-18S2	
	Sample ID	1635164	1635166	1635170	1635167	1635168	1635169	
	Sample Date	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997	
	Sample Time	08:02	08:06	08:14	08:08	08:10	08:12	
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	
	Lab. Number	A7F110156002	A7F110156004	A7F110156008	A7F110156005	A7F110156006	A7F110156007	
Constituent	Units							
Dibromo-3-chloropropane,1,2-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U	
Total Petroleum Hydrocarbons	mg/kg	20000	25000	190	<56 U	<53 U	<56 U	
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U	
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-TP-17S	NK-TP-17W	NK-TP-18B	NK-TP-18N	NK-TP-18S1	NK-TP-18S2	
	Sample ID	1635164	1635166	1635170	1635167	1635168	1635169	
	Sample Date	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997	
	Sample Time	08:02	08:06	08:14	08:08	08:10	08:12	
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	
	Lab. Number	A7F110156002	A7F110156004	A7F110156008	A7F110156005	A7F110156006	A7F110156007	
Constituent	Units							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-TP-17S	NK-TP-17W	NK-TP-18B	NK-TP-18N	NK-TP-18S1	NK-TP-18S2
	Sample ID	1635164	1635166	1635170	1635167	1635168	1635169
	Sample Date	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	08:02	08:06	08:14	08:08	08:10	08:12
	Sample Depth						
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A7F110156002	A7F110156004	A7F110156008	A7F110156005	A7F110156006	A7F110156007
Constituent	Units						
Acetone	µg/kg	<14000 U	<14000 U	<120 U	<110 U	<110 U	<110 U
Acetonitrile	µg/kg	<6900 U	<7000 U	<59 U	<56 U	<53 U	<56 U
Acrolein	µg/kg	<6900 U	<7000 U	<59 U	<56 U	<53 U	<56 U
Acrylonitrile	µg/kg	<14000 U	<14000 U	<120 U	<110 U	<110 U	<110 U
Allyl Chloride	µg/kg	<14000 U	<14000 U	<120 U	<110 U	<110 U	<110 U
Benzene	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Benzene (screening)	µg/kg						
Bromobenzene	µg/kg						
Bromoform	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Carbon Disulfide	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Carbon Tetrachloride	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Chlorobenzene	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Chlorodibromomethane	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Chloroethane	µg/kg	<1400 U	<1400 U	<12 U	<11 U	<11 U	<11 U
Chloroethyl Vinyl Ether,2-	µg/kg						
Chloroform	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Chloroprene,beta-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Chlorotoluene,o-	µg/kg						
Chlorotoluene,p-	µg/kg						
Dibromomethane	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Dichlorobenzene,1,2-	µg/kg						
Dichlorobenzene,1,3-	µg/kg						
Dichlorobenzene,1,4-	µg/kg						
Dichlorobromomethane	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Dichlorodifluoromethane	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Dichloroethane,1,1-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Dichloroethane,1,2-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Dichloroethylene,1,1-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U

Notes: 1. Printed on 07/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-415 Area Aboveground Storage Tank

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	Location ID	NK-TP-17S	NK-TP-17W	NK-TP-18B	NK-TP-18N	NK-TP-18S1	NK-TP-18S2
	Sample ID	1635164	1635166	1635170	1635167	1635168	1635169
	Sample Date	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	08:02	08:06	08:14	08:08	08:10	08:12
	Sample Depth						
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A7F110156002	A7F110156004	A7F110156008	A7F110156005	A7F110156006	A7F110156007
Constituent	Units						
Dichloroethylene,1,2-cis-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Dichloroethylene,1,2-trans-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Dichloropropane,1,2-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Dichloropropylene,1,3-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Dichloropropylene,1,3-cis-	µg/kg						
Dichloropropylene,1,3-trans-	µg/kg						
Dioxane,1,4-	µg/kg	<21000 U	<21000 U	<180 U	<170 U	<160 U	<170 U
Ethyl Methacrylate	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Ethylbenzene	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Ethylbenzene (screening)	µg/kg						
Ethylene Dibromide	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Hexanone,2-	µg/kg	<6900 U	<7000 U	<59 U	<56 U	<53 U	<56 U
Iodomethane	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Isobutyl Alcohol	µg/kg	<6900 U	<7000 U	<59 U	<56 U	<53 U	<56 U
Methacrylonitrile	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Methyl Bromide	µg/kg	<1400 U	<1400 U	<12 U	<11 U	<11 U	<11 U
Methyl Chloride	µg/kg	<1400 U	<1400 U	<12 U	<11 U	<11 U	<11 U
Methyl Ethyl Ketone	µg/kg	<14000 U	2200 J	<120 U	<110 U	<110 U	<110 U
Methyl Methacrylate	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Methyl-2-pentanone,4-	µg/kg	<1400 U	<1400 U	<12 U	<11 U	<11 U	<11 U
Methyl-tert-butyl Ether	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Methylene Chloride	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Propionitrile	µg/kg	<2800 U	<2800 U	<23 U	<22 U	<21 U	<22 U
Styrene	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Tetrachloroethane,1,1,1,2-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Tetrachloroethane,1,1,2,2-	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Tetrachloroethylene	µg/kg	<690 U	<700 U	<5.9 U	<5.6 U	<5.3 U	<5.6 U
Tetrachloroethylene (screening)	µg/kg						

Notes: 1. Printed on 07/01/98

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Table 4

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SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - GROUNDWATER
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-65	NK-SB-66	NK-SB-66	NK-SB-67	NK-SB-71	NK-SB-72
	Sample ID	1018200	1018680	1018644	1018645	1018643	1018681	1018683
	Sample Date	09/12/1996	10/01/1996	10/01/1996	10/01/1996	10/01/1996	10/01/1996	10/02/1996
	Sample Time	12:20	15:30	14:45	15:05	14:00	16:10	10:15
	Sample Depth	7' - 9'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'
	Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	AEL
	Lab. Number	AEL96010273	AEL96011170	AEL96011168	AEL96011169	AEL96011167	AEL96011171	AEL96011233
Constituent	Units							
Date Metals Analyzed	-	09/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996
Date Organics Analyzed	-	09/18/1996						
Barium	mg/L	0.068	0.086	0.084	0.075	0.065	0.137	0.067
Zinc	mg/L	0.012	0.012	0.067	0.017	0.021	0.026	0.033
Chloroform	µg/L	1.4						

Notes: 1. Only Detects Shown
2. Printed on 06/30/98

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Table 4 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - GROUNDWATER

P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-73						
	Sample ID	1018642						
	Sample Date	10/01/1996						
	Sample Time	11:35						
	Sample Depth	6' - 8'						
	Laboratory	AEL						
	Lab. Number	AEL96011166						
Constituent	Units							
Date Metals Analyzed	-	10/16/1996						
Date Organics Analyzed	-							
Barium	mg/L	0.059						
Zinc	mg/L	0.192						
Chloroform	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 06/30/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-65	NK-SB-66	NK-SB-66	NK-SB-67	NK-SB-71	NK-SB-72
	Sample ID	1018200	1018680	1018644	1018645	1018643	1018681	1018683
	Sample Date	09/12/1996	10/01/1996	10/01/1996	10/01/1996	10/01/1996	10/01/1996	10/02/1996
	Sample Time	12:20	15:30	14:45	15:05	14:00	16:10	10:15
	Sample Depth	7' - 9'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'
	Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	AEL
	Lab. Number	AEL96010273	AEL96011170	AEL96011168	AEL96011169	AEL96011167	AEL96011171	AEL96011233
Constituent	Units							
Date Metals Analyzed	-	09/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996
Date Organics Analyzed	-	09/18/1996						
Date Physical Analysed	-	09/24/1996						
Arsenic	mg/L	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Barium	mg/L	0.068	0.086	0.084	0.075	0.065	0.137	0.067
Cadmium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chromium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Mercury	mg/L	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Nickel	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Selenium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Silver	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Zinc	mg/L	0.012	0.012	0.067	0.017	0.021	0.026	0.033
Total Petroleum Hydrocarbons	mg/L	<1.0						
Acetone	µg/L	<18						
Acrolein	µg/L	<15						
Acrylonitrile	µg/L	<0.65						
Benzene	µg/L	<1.0						
Bromobenzene	µg/L	<1.0						
Bromoform	µg/L	<1.0						
Carbon Disulfide	µg/L	<1.0						
Carbon Tetrachloride	µg/L	<1.0						
Chlorobenzene	µg/L	<1.0						
Chlorodibromomethane	µg/L	<0.50						
Chloroethane	µg/L	<1.0						
Chloroethyl Vinyl Ether,2-	µg/L	<1.0						
Chloroform	µg/L	1.4						
Chlorotoluene,o-	µg/L	<1.0						

Notes: 1. Printed on 06/30/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-65	NK-SB-66	NK-SB-66	NK-SB-67	NK-SB-71	NK-SB-72
	Sample ID	1018200	1018680	1018644	1018645	1018643	1018681	1018683
	Sample Date	09/12/1996	10/01/1996	10/01/1996	10/01/1996	10/01/1996	10/01/1996	10/02/1996
	Sample Time	12:20	15:30	14:45	15:05	14:00	16:10	10:15
	Sample Depth	7' - 9'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'
	Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	AEL
	Lab. Number	AEL96010273	AEL96011170	AEL96011168	AEL96011169	AEL96011167	AEL96011171	AEL96011233
Constituent	Units							
Chlorotoluene,p-	µg/L	<1.0						
Dibromomethane	µg/L	<1.0						
Dichlorobenzene,1,2-	µg/L	<1.0						
Dichlorobenzene,1,3-	µg/L	<1.0						
Dichlorobenzene,1,4-	µg/L	<1.0						
Dichlorobromomethane	µg/L	<1.0						
Dichlorodifluoromethane	µg/L	<1.0						
Dichloroethane,1,1-	µg/L	<1.0						
Dichloroethane,1,2-	µg/L	<1.0						
Dichloroethylene,1,1-	µg/L	<1.0						
Dichloroethylene,1,2-cis-	µg/L	<1.0						
Dichloroethylene,1,2-trans-	µg/L	<1.0						
Dichloropropane,1,2-	µg/L	<1.0						
Dichloropropylene,1,3-cis-	µg/L	<0.50						
Dichloropropylene,1,3-trans-	µg/L	<0.50						
Ethylbenzene	µg/L	<1.0						
Hexanone,2-	µg/L	<2.0						
Methyl Bromide	µg/L	<1.0						
Methyl Chloride	µg/L	<1.0						
Methyl Ethyl Ketone	µg/L	<2.0						
Methyl-2-pentanone,4-	µg/L	<2.0						
Methyl-tert-butyl Ether	µg/L	<1.0						
Methylene Chloride	µg/L	<2.0						
Styrene	µg/L	<1.0						
Tetrachloroethane,1,1,1,2-	µg/L	<1.0						
Tetrachloroethane,1,1,2,2-	µg/L	<0.50						
Tetrachloroethylene	µg/L	<1.0						
Toluene	µg/L	<1.0						

Notes: 1. Printed on 06/30/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-26	NK-SB-65	NK-SB-66	NK-SB-66	NK-SB-67	NK-SB-71	NK-SB-72
	Sample ID	1018200	1018680	1018644	1018645	1018643	1018681	1018683
	Sample Date	09/12/1996	10/01/1996	10/01/1996	10/01/1996	10/01/1996	10/01/1996	10/02/1996
	Sample Time	12:20	15:30	14:45	15:05	14:00	16:10	10:15
	Sample Depth	7' - 9'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'
	Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	AEL
	Lab. Number	AEL96010273	AEL96011170	AEL96011168	AEL96011169	AEL96011167	AEL96011171	AEL96011233
Constituent	Units							
Trichloroethane,1,1,1-	µg/L	<1.0						
Trichloroethane,1,1,2-	µg/L	<1.0						
Trichloroethylene	µg/L	<1.0						
Trichloromonofluoromethane	µg/L	<1.0						
Trichloropropane,1,2,3-	µg/L	<1.0						
Vinyl Acetate	µg/L	<2.0						
Vinyl Chloride	µg/L	<1.0						
Xylenes (Total)	µg/L	<1.0						

Notes: 1. Printed on 06/30/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-73						
	Sample ID	1018642						
	Sample Date	10/01/1996						
	Sample Time	11:35						
	Sample Depth	6' - 8'						
	Laboratory	AEL						
	Lab. Number	AEL96011166						
Constituent	Units							
Date Metals Analyzed	-	10/16/1996						
Date Organics Analyzed	-							
Date Physical Analysed	-							
Arsenic	mg/L	<0.004						
Barium	mg/L	0.059						
Cadmium	mg/L	<0.0010						
Chromium	mg/L	<0.010						
Lead	mg/L	<0.0050						
Mercury	mg/L	<0.0004						
Nickel	mg/L	<0.020						
Selenium	mg/L	<0.010						
Silver	mg/L	<0.010						
Zinc	mg/L	0.192						
Total Petroleum Hydrocarbons	mg/L							
Acetone	µg/L							
Acrolein	µg/L							
Acrylonitrile	µg/L							
Benzene	µg/L							
Bromobenzene	µg/L							
Bromoform	µg/L							
Carbon Disulfide	µg/L							
Carbon Tetrachloride	µg/L							
Chlorobenzene	µg/L							
Chlorodibromomethane	µg/L							
Chloroethane	µg/L							
Chloroethyl Vinyl Ether,2-	µg/L							
Chloroform	µg/L							
Chlorotoluene,o-	µg/L							

Notes: 1. Printed on 06/30/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-73						
	Sample ID	1018642						
	Sample Date	10/01/1996						
	Sample Time	11:35						
	Sample Depth	6' - 8'						
	Laboratory	AEL						
	Lab. Number	AEL96011166						
Constituent	Units							
Chlorotoluene,p-	µg/L							
Dibromomethane	µg/L							
Dichlorobenzene,1,2-	µg/L							
Dichlorobenzene,1,3-	µg/L							
Dichlorobenzene,1,4-	µg/L							
Dichlorobromomethane	µg/L							
Dichlorodifluoromethane	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethane,1,2-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Dichloropropane,1,2-	µg/L							
Dichloropropylene,1,3-cis-	µg/L							
Dichloropropylene,1,3-trans-	µg/L							
Ethylbenzene	µg/L							
Hexanone,2-	µg/L							
Methyl Bromide	µg/L							
Methyl Chloride	µg/L							
Methyl Ethyl Ketone	µg/L							
Methyl-2-pentanone,4-	µg/L							
Methyl-tert-butyl Ether	µg/L							
Methylene Chloride	µg/L							
Styrene	µg/L							
Tetrachloroethane,1,1,1,2-	µg/L							
Tetrachloroethane,1,1,2,2-	µg/L							
Tetrachloroethylene	µg/L							
Toluene	µg/L							

Notes: 1. Printed on 06/30/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-73						
	Sample ID	1018642						
	Sample Date	10/01/1996						
	Sample Time	11:35						
	Sample Depth	6' - 8'						
	Laboratory	AEL						
	Lab. Number	AEL96011166						
Constituent	Units							
Trichloroethane,1,1,1-	µg/L							
Trichloroethane,1,1,2-	µg/L							
Trichloroethylene	µg/L							
Trichloromonofluoromethane	µg/L							
Trichloropropane,1,2,3-	µg/L							
Vinyl Acetate	µg/L							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

Notes: 1. Printed on 06/30/98

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Table 6

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SOIL EXCEEDANCES OF THE RESIDENTIAL DIRECT EXPOSURE CRITERIA

P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-TP-17N	NK-TP-17S	NK-TP-17W				
	Sample ID	1635163	1635164	1635166				
	Sample Date	06/10/1997	06/10/1997	06/10/1997				
	Sample Time	08:00	08:02	08:06				
	Laboratory	QUAN	QUAN	QUAN				
	Lab. Number	A7F110156001	A7F110156002	A7F110156004				
Constituent	Units							
Date Physical Analysed	-	06/24/1997	06/24/1997	06/24/1997				
Total Petroleum Hydrocarbons	mg/kg	1300	20000	25000				

Notes: 1. Only Exceedances Shown

2. Printed on 07/01/98

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Table 7

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REMEDIATED SOIL EXCEEDANCES OF THE RESIDENTIAL DIRECT EXPOSURE CRITERIA

P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-27	NK-SB-29					
	Sample ID	1016001	1016009					
	Sample Date	07/15/1996	07/15/1996					
	Sample Time	13:38	15:29					
	Sample Depth	2' - 4'	2' - 4'					
	Laboratory	AEL	AEL					
	Lab. Number	AEL96007928	AEL96007930					
Constituent	Units							
Date Physical Analysed	-	08/06/1996	08/06/1996					
Total Petroleum Hydrocarbons	mg/kg	609	7230					

Notes: 1. Only Exceedances Shown

2. Printed on 07/01/98

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Table 8

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SOIL EXCEEDANCES OF THE INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA

P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-TP-17S	NK-TP-17W					
	Sample ID	1635164	1635166					
	Sample Date	06/10/1997	06/10/1997					
	Sample Time	08:02	08:06					
	Laboratory	QUAN	QUAN					
	Lab. Number	A7F110156002	A7F110156004					
Constituent	Units							
Date Physical Analysed	-	06/24/1997	06/24/1997					
Total Petroleum Hydrocarbons	mg/kg	20000	25000					

Notes: 1. Only Exceedances Shown

2. Printed on 07/01/98

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Table 9

DRAFT

REMEDIATED SOIL EXCEEDANCES OF THE INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA

P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29						
	Sample ID	1016009						
	Sample Date	07/15/1996						
	Sample Time	15:29						
	Sample Depth	2' - 4'						
	Laboratory	AEL						
	Lab. Number	AEL96007930						
Constituent	Units							
Date Physical Analysed	-	08/06/1996						
Total Petroleum Hydrocarbons	mg/kg	7230						

Notes: 1. Only Exceedances Shown

2. Printed on 07/01/98

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Table 10

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SOIL EXCEEDANCES OF THE GB POLLUTANT MOBILITY CRITERIA
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-TP-17S	NK-TP-17W					
	Sample ID	1635164	1635166					
	Sample Date	06/10/1997	06/10/1997					
	Sample Time	08:02	08:06					
	Laboratory	QUAN	QUAN					
	Lab. Number	A7F110156002	A7F110156004					
Constituent	Units							
Date Physical Analysed	-	06/24/1997	06/24/1997					
Total Petroleum Hydrocarbons	mg/kg	20000	25000					

Notes: 1. Only Exceedances Shown
2. Printed on 07/01/98

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Table 11
REMEDIATED EXCEEDANCES OF THE GB POLLUTANT MOBILITY CRITERIA
P&W East Hartford: X-415 Area Aboveground Storage Tank

	Location ID	NK-SB-29						
	Sample ID	1016009						
	Sample Date	07/15/1996						
	Sample Time	15:29						
	Sample Depth	2' - 4'						
	Laboratory	AEL						
	Lab. Number	AEL96007930						
Constituent	Units							
Date Physical Analysed	-	08/06/1996						
Total Petroleum Hydrocarbons	mg/kg	7230						

Notes: 1. Only Exceedances Shown
2. Printed on 07/01/98

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DRAWINGS

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DRAWING 1: SOIL INVESTIGATIONS, X-401 AREA SEPTIC SYSTEM, LOCATION & CONSTITUENTS DETECTED MAP

[X] Map [ ] Photograph [ ] Other (Specify Below)

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Description of Oversized Material, if applicable:

DRAWING 1: GROUNDWATER INVESTIGATIONS, X-415 AREA ABOVEGROUND STORAGE TANK, LOCATION & CONSTITUENTS DETECTED MAP

[X] Map [ ] Photograph [ ] Other (Specify Below)

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UNIT SPECIFIC TECHNICAL MEMORANDUM: X-401 SEPTIC SYSTEM
PRATT & WHITNEY, EAST HARTFORD, CT

AREA: North Klondike

SUB-AREA: X-401

ENVIRONMENTAL UNIT: X-401 Locker Room Septic System

Location: In the North Klondike Area, this unit is located on the north side of the North Access Road from the Perimeter Road (Drawing 1).

Description: The former septic system consisted of a steel septic tank approximately 2,000 to 3,000 gallons in size and a "ceramic" tile leaching field (Metcalf & Eddy, 1993). The septic system serviced the Locker Room, which was approximately a ninety foot by twenty-six foot structure with a slab-on-grade foundation. Presently, only the foundation of the building remains. The specifics on the construction details for the septic tank and the leaching field were not available. The septic tank has been removed.

Dates of Operation: Approximately early 1960's to 1993.

Processes: Domestic sewage from the Locker Room.

Aerial Photographs: Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys, Inc. Four additional small aerial photographs were obtained from the Pratt & Whitney (P&W) Photographic Services Department. All of these aerial photographs reveal that the X-401 Locker Room was an existing structure in the North Klondike as early as 1965.

Specific Contaminants of Concern: The specific contaminants are unknown. In order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, and zinc), total petroleum hydrocarbons (TPH), and polychlorinated biphenyls (PCBs).

Potential Release Mechanism: Impacts to soils and groundwater associated with potential leaks from the septic tank, and seepage from the leaching field.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with the septic system, several subsurface investigations were performed in the vicinity of the septic system. These investigations were performed in July 1993, August 1995, and October 1996. Prior to 1993, no investigation of this unit had reportedly been performed. The septic tank was removed in June 1997. The investigations and the removal are discussed below in chronological order.

July 1993 Investigation (Metcalf & Eddy):

Description: In July 1993, Fuss & O'Neill, Inc. (F&O) as a subcontractor for Metcalf & Eddy, Inc. (M&E), conducted a geophysical investigation to determine the location of the septic system. A Ground Penetrating Radar (GPR) survey was conducted and the leaching field was located, but not the septic tank. M&E used a backhoe to excavate to the top of one of the "ceramic" tile pipes, which was approximately three feet below grade. The trench was extended northward approximately 90 feet to the end of the pipe. At the time of the excavation it was determined that drainage occurred through the loosely fitting joints between pipe sections (M&E, 1993).

A sludge sample, NK-SL-02, was collected at the end of the western-most distribution pipe in the leaching field on July 14, 1993 (M&E, 1993). The sample location is shown on Drawing 1. This sample was analyzed for VOCs, metals (plus beryllium), and PCBs. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Since this sample was collected in the leaching field, it was considered a soil sample. Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each soil sampling location are shown on Drawing 1.

Acetone (ACT) was the only VOC detected in the sample at a concentration of 910 micrograms per kilogram (µg/kg). PCBs were not detected in this sample. Metals detected in the sample included arsenic, barium, chromium, lead, nickel, and zinc.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the Connecticut Remediation Standard Regulation (RSR) and the site-wide background soil concentrations for various inorganic constituents (F&O, 1994). For a more detailed discussion of background concentrations of metals in soil refer to *Technical Memorandum 4, Background Soil Data*. Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. The evaluation of the soils data is based on a comparison to the default numeric residential direct exposure criteria (RDEC), the industrial/commercial direct exposure criteria (IDEC), and the GB pollutant mobility criteria (GBPMC) included in the RSR.

Based on the presence of ACT in the septic leaching field sample, there is evidence that hazardous constituents may have been released to the septic system. The concentrations of the metals detected in this sample are typical of site-wide background concentrations and are not indicative of a release from this unit. For the ACT and metals detected in the septic field soil sample, no exceedances of the RDEC or IDEC were noted. For the ACT detected in this sample, no exceedance of the GBPMC was noted.

Based on the presence of ACT in the leaching field sample, there is evidence that hazardous constituents may have been released to the septic system. Since only one sample was collected from within the leaching field and the septic tank was not located, additional investigation in the

vicinity of the unit was warranted.

August 1995 Investigation (Loureiro Engineering Associates):

Description: On August 2, 1995, the septic tank was located with an excavator by Loureiro Engineering Associates, P.C. (LEA). The location of the septic tank is shown on Drawing 1. LEA used as excavator to expose the top of the septic tank. A sludge sample, NK-SL-03, was collected from inside of the septic tank. This sludge sample was submitted to Averill Environmental Laboratory, Inc. (AEL) and analyzed for the presence of VOCs, metals, and PCBs. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Concentrations of constituents detected in the septic tank sludge sample are presented in Table 6. A complete summary of sludge sample analytical results with detection limits is presented in Table 7.

Xylenes (XYL) were detected at a concentration of 140 µg/kg. Additionally, Cis-1,2-dichloroethylene (CDCE) and ethylbenzene (EBZ) were noted as "N1". The "N1" qualifier indicates that the constituent was noted above the method detection limit, but below the reportable quantitation limit. Metals detected in the sludge sample included barium, cadmium, lead, and mercury. PCBs were not detected in this sludge sample.

Data Evaluation and Conclusions: Based on the presence of VOCs in the septic tank sludge, there is evidence that hazardous constituents may have been released to the septic system. No comparisons were made to the RSR for this sludge sample, as there are no applicable criteria within the regulation for sludge samples. Since only one sample was collected in the vicinity of the leaching field, additional investigation in the vicinity of the unit was warranted.

October and November 1996 Investigation (LEA):

Description: On October 30, 1996, one soil boring, NK-SB-214, was advanced within the septic system leaching field. The sampling location is shown on Drawing 1. Soil samples were collected from the boring in continuous 2-foot intervals to 14 feet, with a 1-foot interval from 14 to 15 feet. The depth of 15 feet was selected to ensure that sufficient data was collected for comparisons against the direct exposure criteria in the RSR.

A total of eight soil samples from the soil boring were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs (benzene (BZ), EBZ, tetrachloroethylene (PCE), toluene (TL), 1,1,1-trichloroethane (TCA), trichloroethylene (TCE), and XYL). Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, two samples from the soil boring were submitted to AEL and analyzed for the presence of VOCs, metals, and TPH.

On November 12, 1996, a groundwater sample was also collected from boring NK-SB-214, using Geoprobe® screenpoint groundwater sampling techniques. The groundwater sample was collected at a depth of 5 to 7 feet below the ground surface. The groundwater sample was submitted to AEL and analyzed for the presence of VOCs, SVOCs, metals, and TPH. A

summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Based on the boring log, groundwater was encountered at approximately 4 feet and varved clay was encountered at 8.5 feet in boring NK-SB-214. Four inches of black sand and silt were noted at a depth of 2 feet just above two feet of processed stone at 2.5 to 4.5 feet.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations are shown on Drawing 1. VOCs were not detected in the soil samples submitted to the LEA Analytical Laboratory or AEL. One or more of the metals analyzed were detected in each of the two soil samples submitted for analysis. These metals include barium, chromium, and zinc. TPH was detected at a concentration of 205 milligrams per kilogram (mg/kg) in boring NK-SB-214.

Concentrations of constituents detected in the groundwater sample collected for this unit are presented in Table 4. A complete summary of groundwater analytical results with detection limits is presented in Table 5. PCE was the only quantifiable VOC detected in the groundwater sample analyzed from location NK-SB-214. PCE was detected at a concentration of 5.2 micrograms per liter (µg/l). TCE was also noted as "N1". No other VOCs were detected in the sample. SVOCs and TPH were not detected in the groundwater sample analyzed by AEL. Barium was the only metal detected at this location with a concentration of 0.019 milligrams per liter (mg/l).

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations (F&O, 1994). The concentrations of the metals detected in the soil samples are typical of site-wide background concentrations and are not indicative of a release from this unit. Furthermore, no exceedances of the RDEC or the IDEC were noted. For the TPH detected in soil, no exceedances of the RDEC, IDEC, or the GBPMC were noted.

For the PCE detected in groundwater, no exceedances of the surface water protection criterion (SWPC), the residential volatilization criteria (RVC), or the industrial/commercial volatilization criteria (IVC) were noted. For the barium detected in groundwater, no exceedances of the SWPC were noted.

Based on the presence of TPH in the septic system leaching field, there is evidence that petroleum products may have been released to the septic system. The degree and extent of soil contamination has, however, been adequately characterized.

April 1997 Remediation (LEA):

Description: As part of the Septic System Removal Project conducted in the Airport/Klondike Area, the septic tank for the X-401 Locker Room Septic System area was removed on April 10, 1997. The soil excavated with the tank removal was disposed of off the site as a non-hazardous waste. The excavation has been identified as test pit NK-TP-14. The location of the test pit is

shown on Drawing 1.

A total of five soil samples were collected from each of the four excavation sidewalls and the excavation bottom of NK-TP-14 on April 11, 1997. These soil samples were submitted to Environmental Science Services Laboratory (ESS) for analysis. Due to data validation issues analytical results from ESS were deemed unusable for the Airport/Klondike Project. Subsequent to these concerns, ESS analytical results have not be considered within this Unit Specific Technical Memorandum.

The four confirmational sidewall samples and the bottom sample were recollected on June 9, 1997. These soil samples were submitted to Quanterra Inc. (QNT) for analysis of VOCs, metals, and TPH. A summary of samples and analysis performed are included as Table 1.

Investigation Results: No visual or olfactory evidence of contamination was noted in the field paperwork. Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1.

VOCs and TPH were not detected in the samples submitted to QNT for analysis. One or more of the metals analyzed were detected in each of the samples submitted for analysis. These metals include barium, chromium, lead, nickel, and zinc.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSRs and the site-wide background soil concentrations for various inorganic constituents (F&O, 1994). The concentrations of the metals detected in the soil samples are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil no exceedances of the default numeric RDEC or IDEC were noted.

VOCs and TPH were not detected in the confirmational soil samples collected and analyzed for this unit. Based on the results of the laboratory analyses of confirmational soil samples collected and analyzed for this unit, there is no evidence that a release occurred from this unit. As a result, the area has been adequately characterized and no further action is warranted for this unit.

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TABLES

Table 1

DRAFT

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: X-401 Locker Room Septic System

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-214	1020828	10/30/96	0	2	SB	x								
NK-SB-214	1020829	10/30/96	2	4	SB	x	x					X		X
NK-SB-214	1020830	10/30/96	4	6	SB	x								
NK-SB-214	1020831	10/30/96	6	8	SB	x	x					X		x
NK-SB-214	1020832	10/30/96	6	8	SB	x								
NK-SB-214	1020833	10/30/96	8	10	SB	x								
NK-SB-214	1020834	10/30/96	10	12	SB	x								
NK-SB-214	1020835	10/30/96	12	14	SB	x								
NK-SB-214	1020836	10/30/96	14	15	SB	x								
NK-SB-214	1021133	11/12/96	5.0	7.0	GW		X	x				X		x
NK-SL-02	0101D071493	7/14/93			SS		X				x	X		
NK-SL-03	1006170	8/ 2/95	0	0	SRL		X				x	X		
NK-TP-14B	1635143	6/ 9/97			SS		x					X		x
NK-TP-14E	1635141	6/ 9/97			SS		x					X		x
NK-TP-14N	1635139	6/ 9/97			SS		x					X		x
NK-TP-14S	1635140	6/ 9/97			SS		x					X		x
NK-TP-14W	1635142	6/ 9/97			SS		x					X		x

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit
2. Printed on 05/21/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214	NK-SB-214	NK-SL-02	NK-TP-14B	NK-TP-14E	NK-TP-14N	NK-TP-14S
	Sample ID	1020829	1020831	0101D071493	1635143	1635141	1635139	1635140
	Sample Date	10/30/1996	10/30/1996	07/14/1993	06/09/1997	06/09/1997	06/09/1997	06/09/1997
	Sample Time	10:55	11:15		09:30	09:25	09:20	09:22
	Sample Depth	2' - 4'	6' - 8'					
	Laboratory	AEL	AEL	ENS	QUAN	QUAN	QUAN	QUAN
	Lab. Number	AEL96012628	AEL96012629	0294100003SA	A7F100149034	A7F100149032	A7F100149030	A7F100149031
Constituent	Units							
Date Metals Analyzed	-	11/11/1996	11/11/1996	07/19/1993	06/26/1997	06/26/1997	06/26/1997	06/26/1997
Date Organics Analyzed	-			07/19/1993				
Arsenic	mg/kg			0.67				
Barium	mg/kg	16.4	13.7	10.3			23.9	
Chromium	mg/kg	6.93	7.77		7.9	6.9	9.8	6.0
Chromium (Total)	mg/kg			4.9				
Lead	mg/kg			2.4	6.1	3.5	3.1	3.3
Nickel	mg/kg			6.3	6.7	7.2	9.0	5.2
Zinc	mg/kg	13.1	20.7	10.5		26.0	22.2	16.8
Total Petroleum Hydrocarbons	mg/kg	205						
Acetone	µg/kg			910				

Notes: 1. Only Detects Shown
2. Printed on 05/20/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-TP-14W						
	Sample ID	1635142						
	Sample Date	06/09/1997						
	Sample Time	09:27						
	Sample Depth							
	Laboratory	QUAN						
	Lab. Number	A7F100149033						
Constituent	Units							
Date Metals Analyzed	-	06/26/1997						
Date Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Chromium	mg/kg	6.3						
Chromium (Total)	mg/kg							
Lead	mg/kg	3.3						
Nickel	mg/kg	6.6						
Zinc	mg/kg	18.1						
Total Petroleum Hydrocarbons	mg/kg							
Acetone	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

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	Location ID	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214
	Sample ID	1020828	1020829	1020829	1020830	1020831	1020831	1020832
	Sample Date	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996
	Sample Time	10:45	10:55	10:55	11:05	11:15	11:15	11:25
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-5633-196	AEL96012628	96-5634-197	96-5635-198	AEL96012629	96-5636-199	96-5639-203
Constituent	Units							
Date Metals Analyzed	-		11/11/1996			11/11/1996		
Date Organics Analyzed	-	11/01/1996	11/13/1996	11/01/1996	11/01/1996	11/13/1996	11/01/1996	11/01/1996
Date PCBs Analyzed	-							
Arsenic	mg/kg		<1.17			<1.18		
Barium	mg/kg		16.4			13.7		
Beryllium	mg/kg							
Cadmium	mg/kg		<3.52			<3.53		
Chromium	mg/kg		6.93			7.77		
Chromium (Total)	mg/kg							
Lead	mg/kg		<23.5			<23.5		
Mercury	mg/kg		<0.235			<0.235		
Nickel	mg/kg		<11.7			<11.8		
Selenium	mg/kg		<1.17			<1.18		
Silver	mg/kg		<5.87			<5.89		
Zinc	mg/kg		13.1			20.7		
PCB 1016	µg/kg							
PCB 1221	µg/kg							
PCB 1232	µg/kg							
PCB 1242	µg/kg							
PCB 1248	µg/kg							
PCB 1254	µg/kg							
PCB 1260	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		205			<38.1		
Dichloro-2-butylene,1,4-trans-	µg/kg							
Acetone	µg/kg		<28			<33		
Acetonitrile	µg/kg							
Acrolein	µg/kg		<14			<16		

Notes: 1. Printed on 05/20/98

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Table 3

DRAFT

SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214
	Sample ID	1020828	1020829	1020829	1020830	1020831	1020831	1020832
	Sample Date	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996
	Sample Time	10:45	10:55	10:55	11:05	11:15	11:15	11:25
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-5633-196	AEL96012628	96-5634-197	96-5635-198	AEL96012629	96-5636-199	96-5639-203
Constituent	Units							
Acrylonitrile	µg/kg		<14			<16		
Allyl Chloride	µg/kg							
Benzene	µg/kg		<5.6			<6.5		
Benzene (screening)	µg/kg	<7		<7	<8		<7	<6
Bromobenzene	µg/kg		<5.6			<6.5		
Bromoform	µg/kg		<5.6			<6.5		
Carbon Disulfide	µg/kg		<5.6			<6.5		
Carbon Tetrachloride	µg/kg		<5.6			<6.5		
Chlorobenzene	µg/kg		<5.6			<6.5		
Chlorodibromomethane	µg/kg		<5.6			<6.5		
Chloroethane	µg/kg		<5.6			<6.5		
Chloroethyl Vinyl Ether,2-	µg/kg		<5.6			<6.5		
Chloroform	µg/kg		<5.6			<6.5		
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg		<5.6			<6.5		
Chlorotoluene,p-	µg/kg		<5.6			<6.5		
Dibromomethane	µg/kg		<5.6			<6.5		
Dichlorobenzene,1,2-	µg/kg		<5.6			<6.5		
Dichlorobenzene,1,3-	µg/kg		<5.6			<6.5		
Dichlorobenzene,1,4-	µg/kg		<5.6			<6.5		
Dichlorobromomethane	µg/kg		<5.6			<6.5		
Dichlorodifluoromethane	µg/kg		<5.6			<6.5		
Dichloroethane,1,1-	µg/kg		<5.6			<6.5		
Dichloroethane,1,2-	µg/kg		<5.6			<6.5		
Dichloroethylene,1,1-	µg/kg		<5.6			<6.5		
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg		<5.6			<6.5		
Dichloroethylene,1,2-trans-	µg/kg		<5.6			<6.5		

Notes: 1. Printed on 05/20/98

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Table 3

DRAFT

SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214
	Sample ID	1020828	1020829	1020829	1020830	1020831	1020831	1020832
	Sample Date	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996
	Sample Time	10:45	10:55	10:55	11:05	11:15	11:15	11:25
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-5633-196	AEL96012628	96-5634-197	96-5635-198	AEL96012629	96-5636-199	96-5639-203
Constituent	Units							
Dichloropropane,1,2-	µg/kg		<5.6			<6.5		
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg		<5.6			<6.5		
Dichloropropylene,1,3-trans-	µg/kg		<5.6			<6.5		
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg		<5.6			<6.5		
Ethylbenzene (screening)	µg/kg	<15		<15	<16		<15	<12
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg		<14			<16		
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg		<5.6			<6.5		
Methyl Chloride	µg/kg		<5.6			<6.5		
Methyl Ethyl Ketone	µg/kg		<14			<16		
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg		<14			<16		
Methyl-tert-butyl Ether	µg/kg		<5.6			<6.5		
Methylene Chloride	µg/kg		<13			<13		
Propionitrile	µg/kg							
Styrene	µg/kg		<5.6			<6.5		
Tetrachloroethane,1,1,1,2-	µg/kg		<5.6			<6.5		
Tetrachloroethane,1,1,2,2-	µg/kg		<5.6			<6.5		
Tetrachloroethylene	µg/kg		<5.6			<6.5		
Tetrachloroethylene (screening)	µg/kg	<19		<19	<20		<19	<15
Toluene	µg/kg		<5.6			<6.5		
Toluene (screening)	µg/kg	<11		<10	<11		<11	<8

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214
	Sample ID	1020828	1020829	1020829	1020830	1020831	1020831	1020832
	Sample Date	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996	10/30/1996
	Sample Time	10:45	10:55	10:55	11:05	11:15	11:15	11:25
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-5633-196	AEL96012628	96-5634-197	96-5635-198	AEL96012629	96-5636-199	96-5639-203
Constituent	Units							
Trichloroethane,1,1,1-	µg/kg		<5.6			<6.5		
Trichloroethane,1,1,1- (screening)	µg/kg	<188		<185	<203		<192	<151
Trichloroethane,1,1,2-	µg/kg		<5.6			<6.5		
Trichloroethylene	µg/kg		<5.6			<6.5		
Trichloroethylene (screening)	µg/kg	<19		<18	<20		<19	<15
Trichloromonofluoromethane	µg/kg		<5.6			<6.5		
Trichloropropane,1,2,3-	µg/kg		<5.6			<6.5		
Vinyl Acetate	µg/kg		<5.6			<6.5		
Vinyl Chloride	µg/kg		<5.6			<6.5		
Xylenes (Total)	µg/kg		<5.6			<6.5		
Xylenes (Total) (screening)	µg/kg	<30		<29	<32		<30	<24

Notes: 1. Printed on 05/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

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	Location ID	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SL-02	NK-TP-14B	NK-TP-14E
	Sample ID	1020833	1020834	1020835	1020836	0101D071493	1635143	1635141
	Sample Date	10/30/1996	10/30/1996	10/30/1996	10/30/1996	07/14/1993	06/09/1997	06/09/1997
	Sample Time	11:35	11:45	11:50	12:00		09:30	09:25
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'			
	Laboratory	LEA	LEA	LEA	LEA	ENS	QUAN	QUAN
	Lab. Number	96-5640-204	96-5641-205	96-5642-206	96-5643-207	0294100003SA	A7F100149034	A7F100149032
Constituent	Units							
Date Metals Analyzed	-					07/19/1993	06/26/1997	06/26/1997
Date Organics Analyzed	-	11/01/1996	11/01/1996	11/01/1996	11/01/1996	07/19/1993	06/21/1997	06/21/1997
Date PCBs Analyzed	-					07/20/1993		
Arsenic	mg/kg					0.67	<1.3 U	<1.2 U
Barium	mg/kg					10.3	<19.6 U	<17.4 U
Beryllium	mg/kg					<0.23		
Cadmium	mg/kg					<0.57	<0.13 U	<0.12 U
Chromium	mg/kg						7.9	6.9
Chromium (Total)	mg/kg					4.9		
Lead	mg/kg					2.4	6.1	3.5
Mercury	mg/kg					<0.11	<0.20 U	<0.17 U
Nickel	mg/kg					6.3	6.7	7.2
Selenium	mg/kg					<0.57	<1.0 U	<0.93 U
Silver	mg/kg					<1.1	<3.9 U	<3.5 U
Zinc	mg/kg					10.5	<19.6 U	26.0
PCB 1016	µg/kg					<47		
PCB 1221	µg/kg					<47		
PCB 1232	µg/kg					<47		
PCB 1242	µg/kg					<47		
PCB 1248	µg/kg					<47		
PCB 1254	µg/kg					<47		
PCB 1260	µg/kg					<47		
Dibromo-3-chloropropane,1,2-	µg/kg						<6.5 U	<5.8 U
Total Petroleum Hydrocarbons	mg/kg						<65 U	<58 U
Dichloro-2-butylene,1,4-trans-	µg/kg						<6.5 U	<5.8 U
Acetone	µg/kg					910	<130 U	<120 U
Acetonitrile	µg/kg						<65 U	<58 U
Acrolein	µg/kg						<65 U	<58 U

Notes: 1. Printed on 05/20/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SL-02	NK-TP-14B	NK-TP-14E
	Sample ID	1020833	1020834	1020835	1020836	0101D071493	1635143	1635141
	Sample Date	10/30/1996	10/30/1996	10/30/1996	10/30/1996	07/14/1993	06/09/1997	06/09/1997
	Sample Time	11:35	11:45	11:50	12:00		09:30	09:25
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'			
	Laboratory	LEA	LEA	LEA	LEA	ENS	QUAN	QUAN
	Lab. Number	96-5640-204	96-5641-205	96-5642-206	96-5643-207	0294100003SA	A7F100149034	A7F100149032
Constituent	Units							
Acrylonitrile	µg/kg						<130 U	<120 U
Allyl Chloride	µg/kg						<130 U	<120 U
Benzene	µg/kg					<28	<6.5 U	<5.8 U
Benzene (screening)	µg/kg	<8	<7	<7	<7			
Bromobenzene	µg/kg							
Bromoform	µg/kg					<28	<6.5 U	<5.8 U
Carbon Disulfide	µg/kg					<28	<6.5 U	<5.8 U
Carbon Tetrachloride	µg/kg					<28	<6.5 U	<5.8 U
Chlorobenzene	µg/kg					<28	<6.5 U	<5.8 U
Chlorodibromomethane	µg/kg					<28	<6.5 U	<5.8 U
Chloroethane	µg/kg					<57	<13 U	<12 U
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg					<28	<6.5 U	<5.8 U
Chloroprene,beta-	µg/kg						<6.5 U	<5.8 U
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg						<6.5 U	<5.8 U
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg					<28	<6.5 U	<5.8 U
Dichlorodifluoromethane	µg/kg						<6.5 U	<5.8 U
Dichloroethane,1,1-	µg/kg					<28	<6.5 U	<5.8 U
Dichloroethane,1,2-	µg/kg					<28	<6.5 U	<5.8 U
Dichloroethylene,1,1-	µg/kg					<28	<6.5 U	<5.8 U
Dichloroethylene,1,2-	µg/kg					<28		
Dichloroethylene,1,2-cis-	µg/kg						<6.5 U	<5.8 U
Dichloroethylene,1,2-trans-	µg/kg						<6.5 U	<5.8 U

Notes: 1. Printed on 05/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

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	Location ID	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SL-02	NK-TP-14B	NK-TP-14E
	Sample ID	1020833	1020834	1020835	1020836	0101D071493	1635143	1635141
	Sample Date	10/30/1996	10/30/1996	10/30/1996	10/30/1996	07/14/1993	06/09/1997	06/09/1997
	Sample Time	11:35	11:45	11:50	12:00		09:30	09:25
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'			
	Laboratory	LEA	LEA	LEA	LEA	ENS	QUAN	QUAN
	Lab. Number	96-5640-204	96-5641-205	96-5642-206	96-5643-207	0294100003SA	A7F100149034	A7F100149032
Constituent	Units							
Dichloropropane,1,2-	µg/kg					<28	<6.5 U	<5.8 U
Dichloropropylene,1,3-	µg/kg						<6.5 U	<5.8 U
Dichloropropylene,1,3-cis-	µg/kg					<28		
Dichloropropylene,1,3-trans-	µg/kg					<28		
Dioxane,1,4-	µg/kg						<200 U	<170 U
Ethyl Methacrylate	µg/kg						<6.5 U	<5.8 U
Ethylbenzene	µg/kg					<28	<6.5 U	<5.8 U
Ethylbenzene (screening)	µg/kg	<17	<16	<15	<16			
Ethylene Dibromide	µg/kg						<6.5 U	<5.8 U
Hexanone,2-	µg/kg					<57	<65 U	<58 U
Iodomethane	µg/kg						<6.5 U	<5.8 U
Isobutyl Alcohol	µg/kg						<65 U	<58 U
Methacrylonitrile	µg/kg						<6.5 U	<5.8 U
Methyl Bromide	µg/kg					<57	<13 U	<12 U
Methyl Chloride	µg/kg					<57	<13 U	<12 U
Methyl Ethyl Ketone	µg/kg					<57	<130 U	<120 U
Methyl Methacrylate	µg/kg						<6.5 U	<5.8 U
Methyl-2-pentanone,4-	µg/kg					<57	<13 U	<12 U
Methyl-tert-butyl Ether	µg/kg						<6.5 U	<5.8 U
Methylene Chloride	µg/kg					<28	<6.5 U	<5.8 U
Propionitrile	µg/kg						<26 U	<23 U
Styrene	µg/kg					<28	<6.5 U	<5.8 U
Tetrachloroethane,1,1,1,2-	µg/kg						<6.5 U	<5.8 U
Tetrachloroethane,1,1,2,2-	µg/kg					<28	<6.5 U	<5.8 U
Tetrachloroethylene	µg/kg					<28	<6.5 U	<5.8 U
Tetrachloroethylene (screening)	µg/kg	<21	<20	<19	<20			
Toluene	µg/kg					<28	<6.5 U	<5.8 U
Toluene (screening)	µg/kg	<12	<11	<10	<11			

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

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	Location ID	NK-SB-214	NK-SB-214	NK-SB-214	NK-SB-214	NK-SL-02	NK-TP-14B	NK-TP-14E
	Sample ID	1020833	1020834	1020835	1020836	0101D071493	1635143	1635141
	Sample Date	10/30/1996	10/30/1996	10/30/1996	10/30/1996	07/14/1993	06/09/1997	06/09/1997
	Sample Time	11:35	11:45	11:50	12:00		09:30	09:25
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'			
	Laboratory	LEA	LEA	LEA	LEA	ENS	QUAN	QUAN
	Lab. Number	96-5640-204	96-5641-205	96-5642-206	96-5643-207	0294100003SA	A7F100149034	A7F100149032
Constituent	Units							
Trichloroethane,1,1,1-	µg/kg					<28	<6.5 U	<5.8 U
Trichloroethane,1,1,1- (screening)	µg/kg	<211	<199	<185	<199			
Trichloroethane,1,1,2-	µg/kg					<28	<6.5 U	<5.8 U
Trichloroethylene	µg/kg					<28	<6.5 U	<5.8 U
Trichloroethylene (screening)	µg/kg	<21	<20	<18	<20			
Trichloromonofluoromethane	µg/kg						<6.5 U	<5.8 U
Trichloropropane,1,2,3-	µg/kg						<6.5 U	<5.8 U
Vinyl Acetate	µg/kg					<57	<6.5 U	<5.8 U
Vinyl Chloride	µg/kg					<57	<13 U	<12 U
Xylenes (Total)	µg/kg					<28	<6.5 U	<5.8 U
Xylenes (Total) (screening)	µg/kg	<33	<32	<29	<32			

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-TP-14N	NK-TP-14S	NK-TP-14W				
	Sample ID	1635139	1635140	1635142				
	Sample Date	06/09/1997	06/09/1997	06/09/1997				
	Sample Time	09:20	09:22	09:27				
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN				
	Lab. Number	A7F100149030	A7F100149031	A7F100149033				
Constituent	Units							
Date Metals Analyzed	-	06/26/1997	06/26/1997	06/26/1997				
Date Organics Analyzed	-	06/20/1997	06/21/1997	06/21/1997				
Date PCBs Analyzed	-							
Arsenic	mg/kg	<1.1 U	<1.1 U	<1.1 U				
Barium	mg/kg	23.9	<16.1 U	<17.0 U				
Beryllium	mg/kg							
Cadmium	mg/kg	<0.11 U	<0.11 U	<0.11 U				
Chromium	mg/kg	9.8	6.0	6.3				
Chromium (Total)	mg/kg							
Lead	mg/kg	3.1	3.3	3.3				
Mercury	mg/kg	<0.16 U	<0.16 U	<0.17 U				
Nickel	mg/kg	9.0	5.2	6.6				
Selenium	mg/kg	<0.86 U	<0.86 U	<0.91 U				
Silver	mg/kg	<3.2 U	<3.2 U	<3.4 U				
Zinc	mg/kg	22.2	16.8	18.1				
PCB 1016	µg/kg							
PCB 1221	µg/kg							
PCB 1232	µg/kg							
PCB 1242	µg/kg							
PCB 1248	µg/kg							
PCB 1254	µg/kg							
PCB 1260	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Total Petroleum Hydrocarbons	mg/kg	<54 U	<54 U	<57 U				
Dichloro-2-butylene,1,4-trans-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Acetone	µg/kg	<110 U	<110 U	<110 U				
Acetonitrile	µg/kg	<54 U	<54 U	<57 U				
Acrolein	µg/kg	<54 U	<54 U	<57 U				

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

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	Location ID	NK-TP-14N	NK-TP-14S	NK-TP-14W				
	Sample ID	1635139	1635140	1635142				
	Sample Date	06/09/1997	06/09/1997	06/09/1997				
	Sample Time	09:20	09:22	09:27				
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN				
	Lab. Number	A7F100149030	A7F100149031	A7F100149033				
Constituent	Units							
Acrylonitrile	µg/kg	<110 U	<110 U	<110 U				
Allyl Chloride	µg/kg	<110 U	<110 U	<110 U				
Benzene	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Benzene (screening)	µg/kg							
Bromobenzene	µg/kg							
Bromoform	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Carbon Disulfide	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Carbon Tetrachloride	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Chlorobenzene	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Chlorodibromomethane	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Chloroethane	µg/kg	<11 U	<11 U	<11 U				
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Chloroprene,beta-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Dichlorodifluoromethane	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Dichloroethane,1,1-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Dichloroethane,1,2-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Dichloroethylene,1,1-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Dichloroethylene,1,2-trans-	µg/kg	<5.4 U	<5.4 U	<5.7 U				

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

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	Location ID	NK-TP-14N	NK-TP-14S	NK-TP-14W				
	Sample ID	1635139	1635140	1635142				
	Sample Date	06/09/1997	06/09/1997	06/09/1997				
	Sample Time	09:20	09:22	09:27				
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN				
	Lab. Number	A7F100149030	A7F100149031	A7F100149033				
Constituent	Units							
Dichloropropane,1,2-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Dichloropropylene,1,3-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg	<160 U	<160 U	<170 U				
Ethyl Methacrylate	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Ethylbenzene	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Hexanone,2-	µg/kg	<54 U	<54 U	<57 U				
Iodomethane	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Isobutyl Alcohol	µg/kg	<54 U	<54 U	<57 U				
Methacrylonitrile	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Methyl Bromide	µg/kg	<11 U	<11 U	<11 U				
Methyl Chloride	µg/kg	<11 U	<11 U	<11 U				
Methyl Ethyl Ketone	µg/kg	<110 U	<110 U	<110 U				
Methyl Methacrylate	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Methyl-2-pentanone,4-	µg/kg	<11 U	<11 U	<11 U				
Methyl-tert-butyl Ether	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Methylene Chloride	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Propionitrile	µg/kg	<22 U	<21 U	<23 U				
Styrene	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Tetrachloroethane,1,1,1,2-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Tetrachloroethane,1,1,2,2-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Tetrachloroethylene	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Tetrachloroethylene (screening)	µg/kg							
Toluene	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Toluene (screening)	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-401 Locker Room Septic System

DRAFT

	Location ID	NK-TP-14N	NK-TP-14S	NK-TP-14W				
	Sample ID	1635139	1635140	1635142				
	Sample Date	06/09/1997	06/09/1997	06/09/1997				
	Sample Time	09:20	09:22	09:27				
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN				
	Lab. Number	A7F100149030	A7F100149031	A7F100149033				
Constituent	Units							
Trichloroethane,1,1,1-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Trichloroethane,1,1,1- (screening)	µg/kg							
Trichloroethane,1,1,2-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Trichloroethylene	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Trichloroethylene (screening)	µg/kg							
Trichloromonofluoromethane	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Trichloropropane,1,2,3-	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Vinyl Acetate	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Vinyl Chloride	µg/kg	<11 U	<11 U	<11 U				
Xylenes (Total)	µg/kg	<5.4 U	<5.4 U	<5.7 U				
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 05/20/98

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Table 4

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SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - GROUNDWATER

P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214						
	Sample ID	1021133						
	Sample Date	11/12/1996						
	Sample Time	11:20						
	Sample Depth	5.0' - 7.0'						
	Laboratory	AEL						
	Lab. Number	AEL96012814						
Constituent	Units							
Date Metals Analyzed	-	11/13/1996						
Date Organics Analyzed	-	11/25/1996						
Barium	mg/L	0.019						
Tetrachloroethylene	µg/L	5.2						

Notes: 1. Only Detects Shown
2. Printed on 05/18/98

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Table 5

DRAFT

SUMMARY OF ANALYTICAL RESULTS GROUNDWATER
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214						
	Sample ID	1021133						
	Sample Date	11/12/1996						
	Sample Time	11:20						
	Sample Depth	5.0' - 7.0'						
	Laboratory	AEL						
	Lab. Number	AEL96012814						
Constituent	Units							
Date Metals Analyzed	-	11/13/1996						
Date Organics Analyzed	-	11/25/1996						
Date Semi-volatile Organics Analyzed	-	11/27/1996						
Arsenic	mg/L	<0.004						
Barium	mg/L	0.019						
Cadmium	mg/L	<0.0010						
Chromium	mg/L	<0.010						
Lead	mg/L	<0.0050						
Mercury	mg/L	<0.0004						
Nickel	mg/L	<0.020						
Selenium	mg/L	<0.010						
Silver	mg/L	<0.010						
Zinc	mg/L	<0.010						
Total Petroleum Hydrocarbons	mg/L	<0.5						
Acenaphthene	µg/L	<11						
Acenaphthylene	µg/L	<1.7 MDL						
Anthracene	µg/L	<11						
Benzidine	µg/L	<11						
Benzo[a]anthracene	µg/L	<0.91 MDL						
Benzo[a]pyrene	µg/L	<0.41 MDL						
Benzo[b]fluoranthene	µg/L	<0.56 MDL						
Benzo[ghi]perylene	µg/L	<11						
Benzo[k]fluoranthene	µg/L	<0.67 MDL						
Bis(2-chloroethoxy)methane	µg/L	<11						
Bis(2-chloroethyl) Ether	µg/L	<11						
Bis(2-ethylhexyl)phthalate	µg/L	<1.5 MDL						
Bromophenyl Phenyl Ether,4-	µg/L	<11						
Butyl Benzyl Phthalate	µg/L	<11						

Notes: 1. Printed on 05/18/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS GROUNDWATER
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214						
	Sample ID	1021133						
	Sample Date	11/12/1996						
	Sample Time	11:20						
	Sample Depth	5.0' - 7.0'						
	Laboratory	AEL						
	Lab. Number	AEL96012814						
Constituent	Units							
Chloronaphthalene,2-	µg/L	<11						
Chlorophenol,2-	µg/L	<11						
Chlorophenyl Phenyl Ether,4-	µg/L	<11						
Chrysene	µg/L	<11						
Di-n-butyl Phthalate	µg/L	<11						
Di-n-octyl Phthalate	µg/L	<11						
Dibenzo[a,h]anthracene	µg/L	<11						
Dichlorobenzidine,3,3'-	µg/L	<11						
Dichlorophenol,2,4-	µg/L	<11						
Diethyl Phthalate	µg/L	<11						
Dimethyl Phthalate	µg/L	<11						
Dimethylphenol,2,4-	µg/L	<11						
Dinitro-o-cresol,4,6-	µg/L	<11						
Dinitrophenol,2,4-	µg/L	<11						
Dinitrotoluene,2,4-	µg/L	<11						
Dinitrotoluene,2,6-	µg/L	<11						
Diphenylhydrazine,1,2-	µg/L	<11						
Fluoranthene	µg/L	<11						
Fluorene	µg/L	<11						
Hexachlorobenzene	µg/L	<1.3 MDL						
Hexachlorobutadiene	µg/L	<11						
Hexachlorocyclopentadiene	µg/L	<11						
Hexachloroethane	µg/L	<1.4 MDL						
Indeno(1,2,3-cd)pyrene	µg/L	<11						
Isophorone	µg/L	<11						
N-nitroso-n-propylamine	µg/L	<11						
N-nitrosodimethylamine	µg/L	<11						
N-nitrosodiphenylamine	µg/L	<11						

Notes: 1. Printed on 05/18/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS GROUNDWATER
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214						
	Sample ID	1021133						
	Sample Date	11/12/1996						
	Sample Time	11:20						
	Sample Depth	5.0' - 7.0'						
	Laboratory	AEL						
	Lab. Number	AEL96012814						
Constituent	Units							
Naphthalene	µg/L	<11						
Nitrobenzene	µg/L	<11						
Nitrophenol,2-	µg/L	<11						
Nitrophenol,4-	µg/L	<11						
Pentachlorophenol	µg/L	<0.70 MDL						
Phenanthrene	µg/L	<1.2 MDL						
Phenol	µg/L	<11						
Propane),2,2'-oxybis(2-chloro-	µg/L	<11						
Pyrene	µg/L	<11						
Trichlorobenzene,1,2,4-	µg/L	<11						
Trichlorophenol,2,4,6-	µg/L	<11						
Acetone	µg/L	<4.0						
Acrolein	µg/L	<15						
Acrylonitrile	µg/L	<0.65						
Benzene	µg/L	<1.0						
Bromobenzene	µg/L	<1.0						
Bromoform	µg/L	<1.0						
Carbon Disulfide	µg/L	<1.0						
Carbon Tetrachloride	µg/L	<1.0						
Chlorobenzene	µg/L	<1.0						
Chlorodibromomethane	µg/L	<0.50						
Chloroethane	µg/L	<1.0						
Chloroethyl Vinyl Ether,2-	µg/L	<1.0						
Chloroform	µg/L	<1.0						
Chlorotoluene,o-	µg/L	<1.0						
Chlorotoluene,p-	µg/L	<1.0						
Dibromomethane	µg/L	<1.0						
Dichlorobenzene,1,2-	µg/L	<1.0						

Notes: 1. Printed on 05/18/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS GROUNDWATER
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214						
	Sample ID	1021133						
	Sample Date	11/12/1996						
	Sample Time	11:20						
	Sample Depth	5.0' - 7.0'						
	Laboratory	AEL						
	Lab. Number	AEL96012814						
Constituent	Units							
Dichlorobenzene,1,3-	µg/L	<1.0						
Dichlorobenzene,1,4-	µg/L	<1.0						
Dichlorobromomethane	µg/L	<1.0						
Dichlorodifluoromethane	µg/L	<1.0						
Dichloroethane,1,1-	µg/L	<1.0						
Dichloroethane,1,2-	µg/L	<1.0						
Dichloroethylene,1,1-	µg/L	<1.0						
Dichloroethylene,1,2-cis-	µg/L	<1.0						
Dichloroethylene,1,2-trans-	µg/L	<1.0						
Dichloropropane,1,2-	µg/L	<1.0						
Dichloropropylene,1,3-cis-	µg/L	<0.50						
Dichloropropylene,1,3-trans-	µg/L	<0.50						
Ethylbenzene	µg/L	<1.0						
Hexanone,2-	µg/L	<2.0						
Methyl Bromide	µg/L	<1.0						
Methyl Chloride	µg/L	<1.0						
Methyl Ethyl Ketone	µg/L	<2.0						
Methyl-2-pentanone,4-	µg/L	<2.0						
Methyl-tert-butyl Ether	µg/L	<1.0						
Methylene Chloride	µg/L	<2.0						
Styrene	µg/L	<1.0						
Tetrachloroethane,1,1,1,2-	µg/L	<1.0						
Tetrachloroethane,1,1,2,2-	µg/L	<0.50						
Tetrachloroethylene	µg/L	5.2						
Toluene	µg/L	<1.0						
Trichloroethane,1,1,1-	µg/L	<1.0						
Trichloroethane,1,1,2-	µg/L	<1.0						
Trichloroethylene	µg/L	<1.0 N1						

Notes: 1. Printed on 05/18/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS GROUNDWATER
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SB-214						
	Sample ID	1021133						
	Sample Date	11/12/1996						
	Sample Time	11:20						
	Sample Depth	5.0' - 7.0'						
	Laboratory	AEL						
	Lab. Number	AEL96012814						
Constituent	Units							
Trichloromonofluoromethane	µg/L	<1.0						
Trichloropropane,1,2,3-	µg/L	<1.0						
Vinyl Acetate	µg/L	<2.0						
Vinyl Chloride	µg/L	<1.0						
Xylenes (Total)	µg/L	<1.0						

Notes: 1. Printed on 05/18/98

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Table 6 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SLUDGE

P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SL-03						
	Sample ID	1006170						
	Sample Date	08/02/1995						
	Sample Time	15:30						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008564						
Constituent	Units							
Date Metals Analyzed	-	08/16/1995						
Date Organics Analyzed	-	08/08/1995						
Barium	mg/kg	88.4						
Cadmium	mg/kg	32.6						
Lead	mg/kg	265						
Mercury	mg/kg	2						
Xylenes (Total)	µg/kg	140						

Notes: 1. Only Detects Shown
2. Printed on 05/20/98

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Table 7

DRAFT

SUMMARY OF ANALYTICAL RESULTS - SLUDGE
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SL-03						
	Sample ID	1006170						
	Sample Date	08/02/1995						
	Sample Time	15:30						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008564						
Constituent	Units							
Date Metals Analyzed	-	08/11/1995						
Date Organics Analyzed	-	08/08/1995						
Date PCBs Analyzed	-	08/21/1995						
Arsenic	mg/kg	<5.81						
Barium	mg/kg	88.4						
Cadmium	mg/kg	32.6						
Chromium	mg/kg	<29.1						
Lead	mg/kg	265						
Mercury	mg/kg	2						
Selenium	mg/kg	<5.81						
Silver	mg/kg	<29.1						
PCB 1016	µg/kg	<7200						
PCB 1221	µg/kg	<7200						
PCB 1232	µg/kg	<7200						
PCB 1242	µg/kg	<7200						
PCB 1248	µg/kg	<7200						
PCB 1254	µg/kg	<7200						
PCB 1260	µg/kg	<7200						
Acetone	µg/kg	<510						
Acrolein	µg/kg	<260						
Acrylonitrile	µg/kg	<260						
Benzene	µg/kg	<100						
Bromobenzene	µg/kg	<100						
Bromoform	µg/kg	<100						
Carbon Disulfide	µg/kg	<100 N1						
Carbon Tetrachloride	µg/kg	<100						
Chlorobenzene	µg/kg	<100						
Chlorodibromomethane	µg/kg	<100						

Notes: 1. Printed on 05/20/98

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Table 7
SUMMARY OF ANALYTICAL RESULTS - SLUDGE
P&W East Hartford: X-401 Locker Room Septic System

DRAFT

	Location ID	NK-SL-03						
	Sample ID	1006170						
	Sample Date	08/02/1995						
	Sample Time	15:30						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008564						
Constituent	Units							
Chloroethane	µg/kg	<100						
Chloroethyl Vinyl Ether,2-	µg/kg	<100						
Chloroform	µg/kg	<100						
Chlorotoluene,o-	µg/kg	<100						
Chlorotoluene,p-	µg/kg	<100						
Dibromomethane	µg/kg	<100						
Dichlorobenzene,1,2-	µg/kg	<100						
Dichlorobenzene,1,3-	µg/kg	<100						
Dichlorobenzene,1,4-	µg/kg	<100						
Dichlorobromomethane	µg/kg	<100						
Dichlorodifluoromethane	µg/kg	<100						
Dichloroethane,1,1-	µg/kg	<100						
Dichloroethane,1,2-	µg/kg	<100						
Dichloroethylene,1,1-	µg/kg	<100						
Dichloroethylene,1,2-cis-	µg/kg	<100 N1						
Dichloroethylene,1,2-trans-	µg/kg	<100						
Dichloropropane,1,2-	µg/kg	<100						
Dichloropropylene,1,3-cis-	µg/kg	<100						
Dichloropropylene,1,3-trans-	µg/kg	<100						
Ethylbenzene	µg/kg	<100 N1						
Hexanone,2-	µg/kg	<260						
Methyl Bromide	µg/kg	<100						
Methyl Chloride	µg/kg	<100						
Methyl Ethyl Ketone	µg/kg	<260						
Methyl-2-pentanone,4-	µg/kg	<260						
Methyl-tert-butyl Ether	µg/kg	<100						
Methylene Chloride	µg/kg	<100						
Styrene	µg/kg	<100						

Notes: 1. Printed on 05/20/98

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Table 7

DRAFT

SUMMARY OF ANALYTICAL RESULTS - SLUDGE
P&W East Hartford: X-401 Locker Room Septic System

	Location ID	NK-SL-03						
	Sample ID	1006170						
	Sample Date	08/02/1995						
	Sample Time	15:30						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008564						
Constituent	Units							
Tetrachloroethane,1,1,1,2-	µg/kg	<100						
Tetrachloroethane,1,1,2,2-	µg/kg	<100						
Tetrachloroethylene	µg/kg	<100						
Toluene	µg/kg	<100						
Trichloroethane,1,1,1-	µg/kg	<100						
Trichloroethane,1,1,2-	µg/kg	<100						
Trichloroethylene	µg/kg	<100						
Trichloromonofluoromethane	µg/kg	<100						
Trichloropropane,1,2,3-	µg/kg	<100						
Vinyl Acetate	µg/kg	<100						
Vinyl Chloride	µg/kg	<100						
Xylenes (Total)	µg/kg	140						

Notes: 1. Printed on 05/20/98

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DRAWINGS

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Facility Name: PRATT & WHITNEY - MAIN STREET

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Description of Oversized Material, if applicable:

DRAWING 1: GROUNDWATER INVESTIGATIONS, X-401 AREA SEPTIC SYSTEM, LOCATION & CONSTITUENTS DETECTED MAP

[X] Map [ ] Photograph [ ] Other (Specify Below)

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Facility Name: PRATT & WHITNEY - MAIN STREET

Facility ID#: CTD990672081

Phase Classification: R-1B

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Description of Oversized Material, if applicable:

DRAWING 1: GROUNDWATER INVESTIGATIONS, X-307 AREA SEPTIC SYSTEM, LOCATION & CONSTITUENTS DETECTED MAP

[X] Map [ ] Photograph [ ] Other (Specify Below)

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DRAFT

UNIT-SPECIFIC TECHNICAL MEMORANDUM: X-307 SEPTIC SYSTEM
PRATT & WHITNEY, EAST HARTFORD, CT

AREA: South Klondike

SUB-AREA: X-307

ENVIRONMENTAL UNIT: X-307 Septic System

Location: The unit is located in the western portion of the South Klondike Area to the east of Perimeter Road (Drawing 1).

Description: The former septic system consisted of a concrete septic tank, approximately 2,000 gallons in size, and a leaching field. A site plan map, X-307 Test Stand Expansion, shows the approximate location of the septic system (Loomis & Loomis, 1967). The septic system serviced a former control house building for the X-307 Test Stand. Presently, only the foundation of the former building remains. The septic system has been removed.

Dates of Operation: The X-307 Test Stand was built in 1967 and remained in place until it was demolished in the early 1990s.

Processes: Domestic sewage from the former control house building.

Aerial Photographs: Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys, Inc. Nine smaller aerial photos were obtained from the Pratt & Whitney (P&W) Photographic Services Department.

All of these aerial photographs portray the area extending south of the X-307 Test Stand and parallel to Perimeter Road. No readily apparent septic system characteristics are discernible from the aerial photographs. All of these photographs indicate that the X-307 Test Stand was an existing structure from at least the date of the earliest photograph, 1965.

Specific Contaminants of Concern: The specific contaminants are unknown. In order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), polychlorinated biphenyls (PCB), and metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, and zinc)

Potential Release Mechanism: Impacts to soils and groundwater associated with potential leaks from the septic tank, and seepage from the leaching field.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with the septic system, various investigations in the vicinity of the septic system were performed, generating analytical data in the general area of the unit. Various historical groundwater investigations have been conducted in the vicinity of the X-307 Test Stand as part of investigations unrelated to the X-307 septic system, generating incidental analytical data in the vicinity of the septic system. In order to be as comprehensive as

possible, presentation of this data is included below in chronological order. These incidental investigations were performed in May 1993 and August 1996. An investigation conducted specifically for the septic system was completed in August 1995. Prior to 1993, no investigation of this unit had reportedly been performed. The septic tank was removed in April 1997.

In 1993, a Geoprobe® temporary polyvinyl chloride (PVC) screenpoint, SK-GP-63, was installed by Metcalf and Eddy, Inc. (M&E) to monitor site-wide groundwater contamination. The location of this screenpoint is shown on Drawing 1. In order to be as comprehensive as possible, presentation of this incidental data is discussed as part of this Unit-Specific Technical Memorandum.

During the M&E investigation, three groundwater samples were collected and analyzed for VOCs. VOCs detected in these groundwater samples included 1,1-dichloroethylene (11DCE), cis-1,2-dichloroethylene (CDCE), tetrachloroethylene (PCE), trichloroethylene (TCE), and vinyl chloride (VC). For a more detailed account of the groundwater sampling that included screenpoint SK-GP-63 refer to *Technical Memorandum 3, Groundwater Sampling and Quality..*

During August 1996, monitoring well SK-MW-19 was installed in the vicinity of the X-307 Test Stand as shown on Drawing 1. This monitoring well was installed as part of an investigation of groundwater contamination emanating from upgradient environmental units in the South Klondike Area by Loureiro Engineering Associates, Inc. (LEA). During the installation of this monitoring well, soil samples were collected for laboratory analysis. Supplemental groundwater investigations have also been conducted in the vicinity of the X-307 Test Stand since the August 1996 installation of monitoring well SK-MW-19.

VOCs detected in groundwater from monitoring well SK-MW-19 have included 1,1-dichloroethane (11DCA), CDCE, PCE, 1,1,1-trichloroethane (TCA), and TCE. Only elevated concentrations of PCE were detected in the groundwater samples from this monitoring well. PCBs and TPH have not been detected in the groundwater samples that have been analyzed from this monitoring well.

Additionally, five metals have been detected in groundwater samples collected from monitoring well SK-MW-19. These metals include barium, cadmium, chromium, lead, and zinc. Only elevated concentrations of cadmium were noted. For a more detailed account of the groundwater sampling that included monitoring well SK-MW-19 refer to *Technical Memorandum 3, Groundwater Sampling and Quality.*

August 1995 Investigation (LEA):

Description: On August 2, 1995, one sludge sample, SK-SL-04, was collected from inside the septic tank. On August 8, 1995, one soil boring, SK-SB-21, was advanced within the leaching field. The sampling location is shown on Drawing 1. Soil samples were collected in continuous two-foot intervals to a depth of eight feet. The depth of eight feet was selected to ensure that the boring was advanced into the water table.

A total of four soil samples from the soil boring were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs (benzene (BZ), ethylbenzene (EBZ),

PCE, toluene (TL), TCA, TCE, and xylenes (XYL)). Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, one sample from the soil boring was submitted to Averill Environmental Laboratory, Inc. (AEL) for analysis. The soil sample from the two to four foot interval was analyzed for the presence of VOCs, metals, and PCBs. The septic tank sludge sample was also submitted to AEL and analyzed for the presence of VOCs, metals, and PCBs. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Based on the boring log, groundwater was encountered between four and six feet below the ground surface. No visual or olfactory evidence of contamination was noted in the boring log for boring SK-SB-21.

Concentrations of constituents detected in soil samples collected from this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations are shown on Drawing 1. VOCs were not detected in the soil samples submitted to the LEA Analytical Laboratory or to AEL. Also, PCBs were not detected in the soil sample submitted to AEL. Metals detected in the soil sample submitted to AEL include barium and chromium.

Concentrations of constituents detected in the septic tank sludge sample are presented in Table 4. A complete summary of sludge sample analytical results with detection limits is presented in Table 5. Several VOCs were detected in the septic tank sludge sample submitted to AEL, including 11DCA, 11DCE, CDCE, trans-1,2-dichloroethylene (TDCE), PCE, TL, TCA, TCE, VC, and XYL. Metals detected in the sludge sample included barium, cadmium, lead, and mercury. PCBs were not detected in the sludge sample.

Data Evaluation and Conclusions: The soil boring data were compared against the default numeric criteria included in the Connecticut Remediation Standard Regulation (RSR) and the site-wide background soil concentrations for various inorganic constituents (Fuss & O'Neill, 1994). For a more detailed discussion of background concentrations of metals in soil refer to *Technical Memorandum 4, Background Soil Sampling and Analysis*. Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. The evaluation of the soils data is based on a comparison to the residential direct exposure criteria (RDEC), the industrial/commercial direct exposure criteria (IDEC), and the GB pollutant mobility criteria (PMC) included in the RSR.

Based on analytical results from boring SK-SB-21, there was no evidence that the shallow soil in the vicinity of this unit had been impacted. However, based on the presence of VOCs in the septic tank sludge, there is evidence that hazardous constituents may have been released to the septic system. Nevertheless, the sample collected from the septic tank sludge was not be compared to the RSR, since there are no criteria for sludge samples.

The concentrations of the metals detected in the soil sample from boring SK-SB-21 are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the default numeric RDEC and IDEC were noted. VOCs and PCBs were not detected in the soil sample collected for this unit.

August 1996 Investigation (LEA):

Description: On August 27, 1996, monitoring well SK-MW-19 was installed near the X-307 Test Stand by LEA personnel. Soil samples were collected in continuous two-foot intervals to a depth of sixteen feet. However, a soil sample was not collected from two to four foot interval due to a lack of sample recovery. The well was screened across the water table with a screened interval of 3.5 to 13.5 feet.

A total of seven soil samples were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs. No additional analyses were performed on these soil samples. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Based on the boring log, groundwater was encountered at approximately eight feet below the ground surface during the advancement of the boring. Varved clay was encountered at a depth of fourteen feet. No visual or olfactory evidence of contamination was noted in the boring log.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations are shown on Drawing 1. VOCs were not detected in the soil samples from above the water table for monitoring well SK-MW-19 that were analyzed by the LEA Analytical Laboratory. PCE and TCE were both detected in soil samples at depths below the water table.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSR. For the VOCs detected in soils, no exceedances of the RDEC, IDEC, or GBPMC were noted. Based on the results of the laboratory analyses of soil samples collected, no further soil samples need to be collected near this well.

Based on a review of the analytical results, there is no evidence that a release to the soil has occurred in the vicinity of monitoring well SK-MW-19. The soil is believed to be adequately characterized.

April 1997 Remediation (LEA):

Description: As part of the Septic System Removal Project conducted in the Airport/Klondike Area, the septic tank for the X-307 Septic System was removed on April 10, 1997. The soil excavated during the tank removal was disposed of off the site as a non-hazardous waste. The excavation was identified as test pit SK-TP-07. The excavation was approximately twenty-five feet by sixteen and a half feet by seven feet deep. Groundwater was encountered in the bottom of this excavation. The location of the test pit is shown on Drawing 1.

A total of five soil samples, including a duplicate soil sample, were collected from each of the four excavation sidewalls April 11, 1997. A bottom sample was not collected as the excavation extended into the water table. These soil samples were submitted to Environmental Science Services Laboratory (ESS) for analysis. Due to data validation issues, analytical results from ESS were deemed unusable for the Airport/Klondike Project. Subsequent to these concerns, ESS

analytical results have not be considered within this Unit-Specific Technical Memorandum.

The four confirmational sidewall samples and a duplicate sample were recollected on June 9, 1997. These soil samples were submitted to Quanterra Inc. (QNT) for analysis of VOCs, metals, and TPH. A summary of the samples collected and analyses performed are included in Table 1.

Investigation Results: No visual or olfactory evidence of contamination was noted in the field paperwork. Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1.

VOCs and TPH were not detected in the samples submitted to QNT for analysis. One or more of the metals analyzed were detected in each of the samples submitted for analysis. These metals include arsenic, barium, chromium, lead, nickel, and zinc.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations for various inorganic constituents (F&O, 1994). The concentrations of the metals detected in the soil samples are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil no exceedances of the default numeric RDEC or IDEC were noted.

VOCs and TPH were not detected in the confirmational soil samples collected and analyzed for this unit. Based on the results of the laboratory analyses of confirmational soil samples collected and analyzed for this unit, there is no evidence that a release occurred from the septic tank. As a result, the area has been adequately characterized and no further action is warranted for this unit.

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TABLES

Table 1

DRAFT

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: X-307 Septic System Area

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-GP-63	1016935	5/28/93	7	9	GW	X								
SK-GP-63	1016936	5/28/93	11	13	GW	X								
SK-MW-19	1017691	8/27/96	0	2	SB	x								
SK-MW-19	1017693	8/27/96	4	6	SB	x								
SK-MW-19	1017694	8/27/96	6	8	SB	X								
SK-MW-19	1017695	8/27/96	8	10	SB	X								
SK-MW-19	1017696	8/27/96	10	12	SB	X								
SK-MW-19	1017697	8/27/96	12	14	SB	X								
SK-MW-19	1017698	8/27/96	14	16	SB	X								
SK-MW-19	1018179	9/11/96	3.5	13.5	GW		X				x	X		x
SK-MW-19	1634485	6/ 4/97	3.5	13.5	GW		X					X		
SK-MW-19	1647341	11/20/97	3.5	13.5	GW		X					X		
SK-SB-21	1006483	8/ 8/95	0	2	SB	x								
SK-SB-21	1006484	8/ 8/95	2	4	SB	x	x				x	X		
SK-SB-21	1006485	8/ 8/95	4	6	SB	x								
SK-SB-21	1006486	8/ 8/95	6	8	SB	x								
SK-SL-04	1006166	8/ 2/95	0	0	SRL		X				x	X		
SK-TP-07E	1635181	6/10/97			SS		x					X		x
SK-TP-07N	1635179	6/10/97			SS		x					X		x
SK-TP-07S	1635180	6/10/97			SS		x					X		x
SK-TP-07W	1635182	6/10/97			SS		x					X		x
SK-TP-07W	1635183	6/10/97			SS		x					X		x

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 06/03/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-307 Septic System Area

	Location ID	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-SB-21	SK-TP-07E
	Sample ID	1017694	1017695	1017696	1017697	1017698	1006484	1635181
	Sample Date	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/08/1995	06/10/1997
	Sample Time	16:20	16:22	16:30	16:34	16:41	12:20	09:00
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	2' - 4'	
	Laboratory	LEA	LEA	LEA	LEA	LEA	AEL	QUAN
	Lab. Number	96-4343-297	96-4344-298	96-4345-299	96-4346-300	96-4347-301	AEL95008790	A7F110156019
Constituent	Units							
Date Metals Analyzed	-						08/16/1995	06/27/1997
Date Organics Analyzed	-	09/03/1996	09/03/1996	09/03/1996	09/03/1996	09/03/1996		
Arsenic	mg/kg							1.2
Barium	mg/kg						17	33.5
Chromium	mg/kg						5.75	10.8
Lead	mg/kg							4.8
Nickel	mg/kg							11.8
Zinc	mg/kg							35.7
Tetrachloroethylene (screening)	µg/kg	5 J	113	6 J	49	98		
Trichloroethylene (screening)	µg/kg		4 J		2 J	76		

Notes: 1. Only Detects Shown
2. Printed on 06/03/98

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Table 2

DRAFT

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: X-307 Septic System Area

	Location ID	SK-TP-07N	SK-TP-07S	SK-TP-07W	SK-TP-07W			
	Sample ID	1635179	1635180	1635182	1635183			
	Sample Date	06/10/1997	06/10/1997	06/10/1997	06/10/1997			
	Sample Time	08:56	08:58	09:02	09:04			
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN	QUAN			
	Lab. Number	A7F110156017	A7F110156018	A7F110156020	A7F110156021			
Constituent	Units							
Date Metals Analyzed	-	06/27/1997	06/27/1997	06/27/1997	06/27/1997			
Date Organics Analyzed	-							
Arsenic	mg/kg			1.5	1.9			
Barium	mg/kg	24.0	19.0		20.4			
Chromium	mg/kg	10.8	6.4	7.1	8.3			
Lead	mg/kg	4.0	3.3	17.4	13.3			
Nickel	mg/kg	10.1	8.8	7.6	7.1			
Zinc	mg/kg	18.9	19.2	18.0	17.4			
Tetrachloroethylene (screening)	µg/kg							
Trichloroethylene (screening)	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

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	Location ID	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19
	Sample ID	1017691	1017693	1017694	1017695	1017696	1017697	1017698
	Sample Date	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996
	Sample Time	16:00	16:13	16:20	16:22	16:30	16:34	16:41
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4341-297	96-4342-298	96-4343-297	96-4344-298	96-4345-299	96-4346-300	96-4347-301
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	09/03/1996	09/03/1996	09/03/1996	09/03/1996	09/03/1996	09/03/1996	09/03/1996
Date PCBs Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
PCB 1016	µg/kg							
PCB 1221	µg/kg							
PCB 1232	µg/kg							
PCB 1242	µg/kg							
PCB 1248	µg/kg							
PCB 1254	µg/kg							
PCB 1260	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19
	Sample ID	1017691	1017693	1017694	1017695	1017696	1017697	1017698
	Sample Date	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996
	Sample Time	16:00	16:13	16:20	16:22	16:30	16:34	16:41
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4341-297	96-4342-298	96-4343-297	96-4344-298	96-4345-299	96-4346-300	96-4347-301
Constituent	Units							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<9	<6	<7	<8	<8	<8	<9
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19
	Sample ID	1017691	1017693	1017694	1017695	1017696	1017697	1017698
	Sample Date	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996
	Sample Time	16:00	16:13	16:20	16:22	16:30	16:34	16:41
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4341-297	96-4342-298	96-4343-297	96-4344-298	96-4345-299	96-4346-300	96-4347-301
Constituent	Units							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<20	<14	<14	<17	<17	<17	<19
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg	<26	<17	5 J	113	6 J	49	98
Toluene	µg/kg							
Toluene (screening)	µg/kg	<14	<10	<10	<12	<12	<12	<14
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg	<256	<170	<179	<211	<211	<215	<244
Trichloroethane,1,1,2-	µg/kg							

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19
	Sample ID	1017691	1017693	1017694	1017695	1017696	1017697	1017698
	Sample Date	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996
	Sample Time	16:00	16:13	16:20	16:22	16:30	16:34	16:41
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4341-297	96-4342-298	96-4343-297	96-4344-298	96-4345-299	96-4346-300	96-4347-301
Constituent	Units							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg	<25	<17	<18	4 J	<21	2 J	76
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylene,o- (screening)	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes,m- & p- (screening)	µg/kg							

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-SB-21	SK-SB-21	SK-SB-21	SK-SB-21	SK-SB-21	SK-TP-07E	SK-TP-07N
	Sample ID	1006483	1006484	1006484	1006485	1006486	1635181	1635179
	Sample Date	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	06/10/1997	06/10/1997
	Sample Time	12:25	12:20	12:20	12:28	12:35	09:00	08:56
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'		
	Laboratory	LEA	AEL	LEA	LEA	LEA	QUAN	QUAN
	Lab. Number	95-00207-460	AEL95008790	95-00208-461	95-00209-462	95-00210-463	A7F110156019	A7F110156017
Constituent	Units							
Date Metals Analyzed	-		08/16/1995				06/27/1997	06/27/1997
Date Organics Analyzed	-	08/09/1995	08/18/1995	08/09/1995	08/09/1995	08/09/1995	06/22/1997	06/22/1997
Date PCBs Analyzed	-		08/23/1995					
Arsenic	mg/kg		<1.01				1.2	<1.2 U
Barium	mg/kg		17				33.5	24.0
Cadmium	mg/kg		<3.02				<0.12 U	<0.12 U
Chromium	mg/kg		5.75				10.8	10.8
Lead	mg/kg		<20.2				4.8	4.0
Mercury	mg/kg		<0.202				<0.18 U	<0.18 U
Nickel	mg/kg						11.8	10.1
Selenium	mg/kg		<1.01				<0.96 U	<0.96 U
Silver	mg/kg		<5.04				<3.6 U	<3.6 U
Zinc	mg/kg						35.7	18.9
PCB 1016	µg/kg		<210					
PCB 1221	µg/kg		<210					
PCB 1232	µg/kg		<210					
PCB 1242	µg/kg		<210					
PCB 1248	µg/kg		<210					
PCB 1254	µg/kg		<210					
PCB 1260	µg/kg		<210					
Dibromo-3-chloropropane,1,2-	µg/kg						<6.0 U	<6.0 U
Total Petroleum Hydrocarbons	mg/kg						<60 U	<60 U
Dichloro-2-butylene,1,4-trans-	µg/kg						<6.0 U	<6.0 U
Acetone	µg/kg		<24				<120 U	<120 U
Acetonitrile	µg/kg						<60 U	<60 U
Acrolein	µg/kg		<12				<60 U	<60 U
Acrylonitrile	µg/kg		<12				<120 U	<120 U
Allyl Chloride	µg/kg						<120 U	<120 U

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-SB-21	SK-SB-21	SK-SB-21	SK-SB-21	SK-SB-21	SK-TP-07E	SK-TP-07N
	Sample ID	1006483	1006484	1006484	1006485	1006486	1635181	1635179
	Sample Date	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	06/10/1997	06/10/1997
	Sample Time	12:25	12:20	12:20	12:28	12:35	09:00	08:56
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'		
	Laboratory	LEA	AEL	LEA	LEA	LEA	QUAN	QUAN
	Lab. Number	95-00207-460	AEL95008790	95-00208-461	95-00209-462	95-00210-463	A7F110156019	A7F110156017
Constituent	Units							
Benzene	µg/kg		<4.9				<6.0 U	<6.0 U
Benzene (screening)	µg/kg	<3		<3	<3	<3		
Bromobenzene	µg/kg		<4.9					
Bromoform	µg/kg		<4.9				<6.0 U	<6.0 U
Carbon Disulfide	µg/kg		<4.9				<6.0 U	<6.0 U
Carbon Tetrachloride	µg/kg		<4.9				<6.0 U	<6.0 U
Chlorobenzene	µg/kg		<4.9				<6.0 U	<6.0 U
Chlorodibromomethane	µg/kg		<4.9				<6.0 U	<6.0 U
Chloroethane	µg/kg		<4.9				<12 U	<12 U
Chloroethyl Vinyl Ether,2-	µg/kg		<4.9					
Chloroform	µg/kg		<4.9				<6.0 U	<6.0 U
Chloroprene,beta-	µg/kg						<6.0 U	<6.0 U
Chlorotoluene,o-	µg/kg		<4.9					
Chlorotoluene,p-	µg/kg		<4.9					
Dibromomethane	µg/kg		<4.9				<6.0 U	<6.0 U
Dichlorobenzene,1,2-	µg/kg		<4.9					
Dichlorobenzene,1,3-	µg/kg		<4.9					
Dichlorobenzene,1,4-	µg/kg		<4.9					
Dichlorobromomethane	µg/kg		<4.9				<6.0 U	<6.0 U
Dichlorodifluoromethane	µg/kg		<4.9				<6.0 U	<6.0 U
Dichloroethane,1,1-	µg/kg		<4.9				<6.0 U	<6.0 U
Dichloroethane,1,2-	µg/kg		<4.9				<6.0 U	<6.0 U
Dichloroethylene,1,1-	µg/kg		<4.9				<6.0 U	<6.0 U
Dichloroethylene,1,2-cis-	µg/kg		<4.9				<6.0 U	<6.0 U
Dichloroethylene,1,2-trans-	µg/kg		<4.9				<6.0 U	<6.0 U
Dichloropropane,1,2-	µg/kg		<4.9				<6.0 U	<6.0 U
Dichloropropylene,1,3-	µg/kg						<6.0 U	<6.0 U
Dichloropropylene,1,3-cis-	µg/kg		<4.9					

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-SB-21	SK-SB-21	SK-SB-21	SK-SB-21	SK-SB-21	SK-TP-07E	SK-TP-07N
	Sample ID	1006483	1006484	1006484	1006485	1006486	1635181	1635179
	Sample Date	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	06/10/1997	06/10/1997
	Sample Time	12:25	12:20	12:20	12:28	12:35	09:00	08:56
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'		
	Laboratory	LEA	AEL	LEA	LEA	LEA	QUAN	QUAN
	Lab. Number	95-00207-460	AEL95008790	95-00208-461	95-00209-462	95-00210-463	A7F110156019	A7F110156017
Constituent	Units							
Dichloropropylene,1,3-trans-	µg/kg		<4.9					
Dioxane,1,4-	µg/kg						<180 U	<180 U
Ethyl Methacrylate	µg/kg						<6.0 U	<6.0 U
Ethylbenzene	µg/kg		<4.9				<6.0 U	<6.0 U
Ethylbenzene (screening)	µg/kg	<5		<5	<5	<5		
Ethylene Dibromide	µg/kg						<6.0 U	<6.0 U
Hexanone,2-	µg/kg		<12				<60 U	<60 U
Iodomethane	µg/kg						<6.0 U	<6.0 U
Isobutyl Alcohol	µg/kg						<60 U	<60 U
Methacrylonitrile	µg/kg						<6.0 U	<6.0 U
Methyl Bromide	µg/kg		<4.9				<12 U	<12 U
Methyl Chloride	µg/kg		<4.9				<12 U	<12 U
Methyl Ethyl Ketone	µg/kg		<12				<120 U	<120 U
Methyl Methacrylate	µg/kg						<6.0 U	<6.0 U
Methyl-2-pentanone,4-	µg/kg		<12				<12 U	<12 U
Methyl-tert-butyl Ether	µg/kg		<4.9				<6.0 U	<6.0 U
Methylene Chloride	µg/kg		<4.9				<6.0 U	<6.0 U
Propionitrile	µg/kg						<24 U	<24 U
Styrene	µg/kg		<4.9				<6.0 U	<6.0 U
Tetrachloroethane,1,1,1,2-	µg/kg		<4.9				<6.0 U	<6.0 U
Tetrachloroethane,1,1,2,2-	µg/kg		<4.9				<6.0 U	<6.0 U
Tetrachloroethylene	µg/kg		<4.9				<6.0 U	<6.0 U
Tetrachloroethylene (screening)	µg/kg	<5		<5	<5	<5		
Toluene	µg/kg		<4.9				<6.0 U	<6.0 U
Toluene (screening)	µg/kg	<5		<5	<5	<5		
Trichloroethane,1,1,1-	µg/kg		<4.9				<6.0 U	<6.0 U
Trichloroethane,1,1,1- (screening)	µg/kg	<8		<8	<8	<8		
Trichloroethane,1,1,2-	µg/kg		<4.9				<6.0 U	<6.0 U

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-SB-21	SK-SB-21	SK-SB-21	SK-SB-21	SK-SB-21	SK-TP-07E	SK-TP-07N
	Sample ID	1006483	1006484	1006484	1006485	1006486	1635181	1635179
	Sample Date	08/08/1995	08/08/1995	08/08/1995	08/08/1995	08/08/1995	06/10/1997	06/10/1997
	Sample Time	12:25	12:20	12:20	12:28	12:35	09:00	08:56
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'		
	Laboratory	LEA	AEL	LEA	LEA	LEA	QUAN	QUAN
	Lab. Number	95-00207-460	AEL95008790	95-00208-461	95-00209-462	95-00210-463	A7F110156019	A7F110156017
Constituent	Units							
Trichloroethylene	µg/kg		<4.9				<6.0 U	<6.0 U
Trichloroethylene (screening)	µg/kg	<8		<8	<8	<8		
Trichloromonofluoromethane	µg/kg		<4.9				<6.0 U	<6.0 U
Trichloropropane,1,2,3-	µg/kg		<4.9				<6.0 U	<6.0 U
Vinyl Acetate	µg/kg		<4.9				<6.0 U	<6.0 U
Vinyl Chloride	µg/kg		<4.9				<12 U	<12 U
Xylene,o- (screening)	µg/kg	<6		<6	<6	<6		
Xylenes (Total)	µg/kg		<4.9				<6.0 U	<6.0 U
Xylenes,m- & p- (screening)	µg/kg	<3		<3	<3	<3		

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-TP-07S	SK-TP-07W	SK-TP-07W				
	Sample ID	1635180	1635182	1635183				
	Sample Date	06/10/1997	06/10/1997	06/10/1997				
	Sample Time	08:58	09:02	09:04				
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN				
	Lab. Number	A7F110156018	A7F110156020	A7F110156021				
Constituent	Units							
Date Metals Analyzed	-	06/27/1997	06/27/1997	06/27/1997				
Date Organics Analyzed	-	06/22/1997	06/22/1997	06/22/1997				
Date PCBs Analyzed	-							
Arsenic	mg/kg	<1.0 U	1.5	1.9				
Barium	mg/kg	19.0	<17.0 U	20.4				
Cadmium	mg/kg	<0.10 U	<0.11 U	<0.11 U				
Chromium	mg/kg	6.4	7.1	8.3				
Lead	mg/kg	3.3	17.4	13.3				
Mercury	mg/kg	<0.16 U	<0.17 U	<0.17 U				
Nickel	mg/kg	8.8	7.6	7.1				
Selenium	mg/kg	<0.84 U	<0.91 U	<0.90 U				
Silver	mg/kg	<3.1 U	<3.4 U	<3.4 U				
Zinc	mg/kg	19.2	18.0	17.4				
PCB 1016	µg/kg							
PCB 1221	µg/kg							
PCB 1232	µg/kg							
PCB 1242	µg/kg							
PCB 1248	µg/kg							
PCB 1254	µg/kg							
PCB 1260	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Total Petroleum Hydrocarbons	mg/kg	<52 U	<57 U	<56 U				
Dichloro-2-butylene,1,4-trans-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Acetone	µg/kg	<100 U	<110 U	<110 U				
Acetonitrile	µg/kg	<52 U	<57 U	<56 U				
Acrolein	µg/kg	<52 U	<57 U	<56 U				
Acrylonitrile	µg/kg	<100 U	<110 U	<110 U				
Allyl Chloride	µg/kg	<100 U	<110 U	<110 U				

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-TP-07S	SK-TP-07W	SK-TP-07W				
	Sample ID	1635180	1635182	1635183				
	Sample Date	06/10/1997	06/10/1997	06/10/1997				
	Sample Time	08:58	09:02	09:04				
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN				
	Lab. Number	A7F110156018	A7F110156020	A7F110156021				
Constituent	Units							
Benzene	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Benzene (screening)	µg/kg							
Bromobenzene	µg/kg							
Bromoform	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Carbon Disulfide	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Carbon Tetrachloride	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Chlorobenzene	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Chlorodibromomethane	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Chloroethane	µg/kg	<10 U	<11 U	<11 U				
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Chloroprene,beta-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Dichlorodifluoromethane	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Dichloroethane,1,1-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Dichloroethane,1,2-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Dichloroethylene,1,1-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Dichloroethylene,1,2-cis-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Dichloroethylene,1,2-trans-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Dichloropropane,1,2-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Dichloropropylene,1,3-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Dichloropropylene,1,3-cis-	µg/kg							

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-TP-07S	SK-TP-07W	SK-TP-07W				
	Sample ID	1635180	1635182	1635183				
	Sample Date	06/10/1997	06/10/1997	06/10/1997				
	Sample Time	08:58	09:02	09:04				
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN				
	Lab. Number	A7F110156018	A7F110156020	A7F110156021				
Constituent	Units							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg	<160 U	<170 U	<170 U				
Ethyl Methacrylate	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Ethylbenzene	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Hexanone,2-	µg/kg	<52 U	<57 U	<56 U				
Iodomethane	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Isobutyl Alcohol	µg/kg	<52 U	<57 U	<56 U				
Methacrylonitrile	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Methyl Bromide	µg/kg	<10 U	<11 U	<11 U				
Methyl Chloride	µg/kg	<10 U	<11 U	<11 U				
Methyl Ethyl Ketone	µg/kg	<100 U	<110 U	<110 U				
Methyl Methacrylate	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Methyl-2-pentanone,4-	µg/kg	<10 U	<11 U	<11 U				
Methyl-tert-butyl Ether	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Methylene Chloride	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Propionitrile	µg/kg	<21 U	<23 U	<23 U				
Styrene	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Tetrachloroethane,1,1,1,2-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Tetrachloroethane,1,1,2,2-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Tetrachloroethylene	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Tetrachloroethylene (screening)	µg/kg							
Toluene	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Toluene (screening)	µg/kg							
Trichloroethane,1,1,1-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Trichloroethane,1,1,1- (screening)	µg/kg							
Trichloroethane,1,1,2-	µg/kg	<5.2 U	<5.7 U	<5.6 U				

Notes: 1. Printed on 06/03/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-TP-07S	SK-TP-07W	SK-TP-07W				
	Sample ID	1635180	1635182	1635183				
	Sample Date	06/10/1997	06/10/1997	06/10/1997				
	Sample Time	08:58	09:02	09:04				
	Sample Depth							
	Laboratory	QUAN	QUAN	QUAN				
	Lab. Number	A7F110156018	A7F110156020	A7F110156021				
Constituent	Units							
Trichloroethylene	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Trichloroethylene (screening)	µg/kg							
Trichloromonofluoromethane	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Trichloropropane,1,2,3-	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Vinyl Acetate	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Vinyl Chloride	µg/kg	<10 U	<11 U	<11 U				
Xylene,o- (screening)	µg/kg							
Xylenes (Total)	µg/kg	<5.2 U	<5.7 U	<5.6 U				
Xylenes,m- & p- (screening)	µg/kg							

Notes: 1. Printed on 06/03/98

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Table 4

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SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SLUDGE

P&W East Hartford: X-307 Septic System Area

	Location ID	SK-SL-04						
	Sample ID	1006166						
	Sample Date	08/02/1995						
	Sample Time	10:45						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008560						
Constituent	Units							
Date Metals Analyzed	-	08/16/1995						
Date Organics Analyzed	-	08/08/1995						
Barium	mg/kg	37.1						
Cadmium	mg/kg	19.3						
Lead	mg/kg	114						
Mercury	mg/kg	2.11						
Dichloroethane,1,1-	µg/kg	76000						
Dichloroethylene,1,1-	µg/kg	20000 J11						
Dichloroethylene,1,2-cis-	µg/kg	45000						
Dichloroethylene,1,2-trans-	µg/kg	2000						
Tetrachloroethylene	µg/kg	1100						
Toluene	µg/kg	18000						
Trichloroethane,1,1,1-	µg/kg	1000000						
Trichloroethylene	µg/kg	14000						
Vinyl Chloride	µg/kg	7500 J11						
Xylenes (Total)	µg/kg	230						

Notes: 1. Only Detects Shown
2. Printed on 06/04/98

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Table 5
SUMMARY OF ANALYTICAL RESULTS - SLUDGE
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-SL-04						
	Sample ID	1006166						
	Sample Date	08/02/1995						
	Sample Time	10:45						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008560						
Constituent	Units							
Date Metals Analyzed	-	08/11/1995						
Date Organics Analyzed	-	08/08/1995						
Date PCBs Analyzed	-	08/21/1995						
Arsenic	mg/kg	<4.82						
Barium	mg/kg	37.1						
Cadmium	mg/kg	19.3						
Chromium	mg/kg	<24.1						
Lead	mg/kg	114						
Mercury	mg/kg	2.11						
Selenium	mg/kg	<4.82						
Silver	mg/kg	<24.1						
PCB 1016	µg/kg	<5300						
PCB 1221	µg/kg	<5300						
PCB 1232	µg/kg	<5300						
PCB 1242	µg/kg	<5300						
PCB 1248	µg/kg	<5300						
PCB 1254	µg/kg	<5300						
PCB 1260	µg/kg	<5300						
Acetone	µg/kg	<530						
Acrolein	µg/kg	<260						
Acrylonitrile	µg/kg	<260						
Benzene	µg/kg	<110						
Bromobenzene	µg/kg	<110						
Bromoform	µg/kg	<110						
Carbon Disulfide	µg/kg	<110 N1						
Carbon Tetrachloride	µg/kg	<53000						
Chlorobenzene	µg/kg	<110						
Chlorodibromomethane	µg/kg	<110						

Notes: 1. Printed on 06/04/98

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Table 5
SUMMARY OF ANALYTICAL RESULTS - SLUDGE
P&W East Hartford: X-307 Septic System Area

DRAFT

	Location ID	SK-SL-04						
	Sample ID	1006166						
	Sample Date	08/02/1995						
	Sample Time	10:45						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008560						
Constituent	Units							
Chloroethane	µg/kg	<110						
Chloroethyl Vinyl Ether,2-	µg/kg	<110						
Chloroform	µg/kg	<110						
Chlorotoluene,o-	µg/kg	<110						
Chlorotoluene,p-	µg/kg	<110						
Dibromomethane	µg/kg	<110						
Dichlorobenzene,1,2-	µg/kg	<110						
Dichlorobenzene,1,3-	µg/kg	<110						
Dichlorobenzene,1,4-	µg/kg	<110						
Dichlorobromomethane	µg/kg	<110						
Dichlorodifluoromethane	µg/kg	<110						
Dichloroethane,1,1-	µg/kg	76000						
Dichloroethane,1,2-	µg/kg	<110						
Dichloroethylene,1,1-	µg/kg	20000 J11						
Dichloroethylene,1,2-cis-	µg/kg	45000						
Dichloroethylene,1,2-trans-	µg/kg	2000						
Dichloropropane,1,2-	µg/kg	<110						
Dichloropropylene,1,3-cis-	µg/kg	<110						
Dichloropropylene,1,3-trans-	µg/kg	<110						
Ethylbenzene	µg/kg	<110 N1						
Hexanone,2-	µg/kg	<260						
Methyl Bromide	µg/kg	<110						
Methyl Chloride	µg/kg	<110						
Methyl Ethyl Ketone	µg/kg	<260						
Methyl-2-pentanone,4-	µg/kg	<260						
Methyl-tert-butyl Ether	µg/kg	<110						
Methylene Chloride	µg/kg	<110						
Styrene	µg/kg	<110						

Notes: 1. Printed on 06/04/98

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Table 5

DRAFT

SUMMARY OF ANALYTICAL RESULTS - SLUDGE
P&W East Hartford: X-307 Septic System Area

	Location ID	SK-SL-04						
	Sample ID	1006166						
	Sample Date	08/02/1995						
	Sample Time	10:45						
	Sample Depth	0' - 0'						
	Laboratory	AEL						
	Lab. Number	AEL95008560						
Constituent	Units							
Tetrachloroethane,1,1,1,2-	µg/kg	<110						
Tetrachloroethane,1,1,2,2-	µg/kg	<110						
Tetrachloroethylene	µg/kg	1100						
Toluene	µg/kg	18000						
Trichloroethane,1,1,1-	µg/kg	1000000						
Trichloroethane,1,1,2-	µg/kg	<110 N1						
Trichloroethylene	µg/kg	14000						
Trichloromonofluoromethane	µg/kg	<110						
Trichloropropane,1,2,3-	µg/kg	<110						
Vinyl Acetate	µg/kg	<110						
Vinyl Chloride	µg/kg	7500 J11						
Xylenes (Total)	µg/kg	230						

Notes: 1. Printed on 06/04/98

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DRAWINGS

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Image Target Sheet

RDMS Document ID # 2583

Facility Name: PRATT & WHITNEY - MAIN STREET

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Phase Classification: R-1B

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Description of Oversized Material, if applicable:

DRAWING 1: SOIL INVESTIGATIONS, X-307 AREA SEPTIC SYSTEM, LOCATION & CONSTITUENTS DETECTED MAP

[X] Map [ ] Photograph [ ] Other (Specify Below)

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Facility Name: PRATT & WHITNEY - MAIN STREET

Facility ID#: CTD990672081

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Description of Oversized Material, if applicable:

DRAWING 1: GROUNDWATER INVESTIGATIONS, X-415 AREA ABOVEGROUND STORAGE TANK, LOCATION & CONSTITUENTS DETECTED MAP

[X] Map [ ] Photograph [ ] Other (Specify Below)

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TECHNICAL MEMORANDUM 6
SURFACE WATER AND SEDIMENT SAMPLING

SUMMARY
SITE INVESTIGATION AND REMEDIATION REPORT
AIRPORT/KLONDIKE AREA
AT
PRATT & WHITNEY
EAST HARTFORD, CONNECTICUT
EPA ID No. CTD990672081

Prepared for:

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LEA Comm. No. 68V8124

DRAFT

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Drawing TM6-1 Surface Water and Sediment Sampling Locations

DRAFT

Acronyms

AEL	Averill Environmental Laboratory, Inc.
ALPC	Aquatic Life Protection Criteria
DEP	State of Connecticut Department of Environmental Protection
DPH	State of Connecticut Department of Public Health
H&A	Haley & Aldrich, Inc.
LEA	Loureiro Engineering Associates, P.C.
M&E	Metcalf & Eddy, Inc.
P&W	Pratt & Whitney
PPE	Personal Protective Equipment
QA/QC	Quality Assurance/Quality Control
QUANT	Quanterra Environmental Services, Inc.
RCSA	Regulations of Connecticut State Agencies
RSR	Remediation Standard Regulation
SOP	Standard Operating Procedure
TM	Technical Memoranda
VOC	Volatile Organic Compound
WQS	Water Quality Standards

1. INTRODUCTION

1.1 Purpose and Objective

This Technical Memorandum (TM) presents the methodology and analytical results of the surface water and sediment sampling conducted in the Airport/Klondike Area (Site) of the Pratt & Whitney (P&W) facility located at 400 Main Street (Main Street facility) in the Town of East Hartford, Connecticut. Surface water and sediment were sampled by Loureiro Engineering Associates, P.C. (LEA) as part of the Site investigation activities to characterize the nature and the distribution of contaminants in the surface water environment at the Site.

1.2 Background

The Airport/Klondike Area is located on the eastern portion of the P&W Main Street facility on the east side of the main plant, north of Brewer Street and south of Silver Lane. The Airport/Klondike Area consists of four study areas that include the North and South Airport Areas and the North and South Klondike Areas. Previous investigations at the Site performed from 1990 through 1993 resulted in the installation and sampling of soil borings, groundwater monitoring wells and temporary wellpoints, surface water and sediment throughout the Airport/Klondike Area.

The first surface water sampling event was conducted on November 21 and 22, 1991 during the Site-Wide Environmental Monitoring Program at the Main Street facility by Haley & Aldrich, Inc. (H&A). Thirteen surface water samples were collected from selected locations in the Airport/Klondike Area, NK-SW-01 through NK-SW-06 in the North Klondike Area, SK-SW-01 through SK-SW-04 in the South Klondike Area, and SA-SW-01 through SA-SW-03 in the South Airport Area. These locations correspond to locations of stream flow measurements conducted during the 1990 Preliminary Reconnaissance Survey of the Airport/Klondike Area by Westinghouse Environmental and Geotechnical Services, Inc. (Westinghouse).

1.3 Scope

This TM covers the sampling, analyses, and rationale for the surface water and sediment sampling conducted in the Airport/Klondike Area. The methods and techniques discussed are those used by LEA during the period from approximately 1994 through 1997. These methods and techniques have also been used, to a greater or lesser extent, by other consultants and contractors working at the site at various times.

1.4 General Geologic and Hydrogeologic Conditions

The geologic and hydrogeologic characteristics of the Site are discussed in detail in the main body of this report. In general, the surficial materials in which the majority of the monitoring wells are screened, consist of medium to fine grained sands with trace levels of fine gravels and coarse sands. These sediments are generally post-glacial, fluvial deposits associated with the Connecticut River, although in many places the upper portion of these sediments have been anthropogenically disturbed during on-site construction activities. Beneath the fluvial sediments are glaciolacustrine sediments, primarily laminated silts and clays, associated with glacial Lake Hitchcock. The basal sediment layer over most of the area is glacial till and stratified drift. Bedrock in the general East Hartford area consists of Triassic Age, interbedded arkoses and basalts. Bedrock in the area has a general slight dip eastward cut by widespread steep faults.

The regional drainage basin is the Upper Connecticut River Basin. Regional flow in the unconsolidated materials in this part of the basin is to the west, towards the Connecticut River. Local groundwater flow is also controlled to some extent by local drainage sub-basins and topography. The upper portion of the unconsolidated sediments serves as the primary aquifer in the area. Groundwater flow in the bedrock is primarily within fractures and fault planes, and to a lesser extent within the rock matrix. The local bedrock aquifer would be adequate as a residential water supply source, but groundwater yields are typically too low to be of commercial or industrial use.

1.5 Surface Water/Sediment Sampling Locations and Rationale

The initial surface water/sediment sampling locations, NK-SW-01 through NK-SW-06, SK-SW-01 through SK-SW-04, and SA-SW-01 through SA-SW-03, were located at the sites of the stream flow measurement locations established by Westinghouse as part of the Preliminary Reconnaissance Survey. These stream flow measurement locations were established, along with additional stream flow measurements stations throughout the Main Street facility, to provide data to estimate stream flow and groundwater contributions to stream flow.

Additional surface water/sediment sampling locations, NA-SW-01 and NA-SW-02, SK-SW-05 through SK-SW-17, andSA-SW-04 through SA-SW-10, were added during this site investigation to provide coverage in the North Airport Area and to provide enhanced data coverage in the South Klondike and South Airport Areas. The location of all of the surface water and sediment sampling locations are shown on Drawing TM6-1. A summary of the sampling locations and the location descriptions for the surface water and sediment sampling locations is presented in Table 1.

2. METHODOLOGY

This section presents the methods and techniques used to sample surface water and sediment in the streams in the Airport/Klondike Area. These methods were used by LEA, although some of the general procedures and methods were also used by previous consultants and contractors who sampled surface water and sediment. This section describes the general procedures that were used during the sampling of surface water and sediment at the Site. Also discussed are variations and exceptions to the general methodology and the reasons that these variations and exceptions were required.

2.1 General Procedures

This TM discusses the sampling methods for surface water and sediment sampling conducted in the Airport/Klondike Area since 1991. Where possible, reference is made to techniques and methodologies used by previous consultants and contractors. However, this information has been taken from available literature and does not constitute first-hand knowledge of the sampling methodologies. Surface water and sediment sampling conducted during the most recent investigation activities is discussed in greater detail.

2.1.1 Surface Water Sampling Methods

The first surface water sampling event was conducted on November 21 and 22, 1991 during the Site-Wide Environmental Monitoring Program at the Main Street facility by H&A. Subsequent surface water sampling events were conducted in 1992 and 1993 by H&A and M&E. Samples collected during these sampling events were conducted in the same general manner as described below.

Surface water sampling during the most recent investigation activities was conducted in general accordance with the LEA Standard Operating Procedure (SOP) *Standard Operating Procedure for Shallow Surface Water Sampling and Flow Measurement*. Surface water sampling locations were located in the field by survey stakes and other physical markers. The in-stream sampling locations consisted of staff gauges with surveyed reference elevations. The staff gauges consisted of a steel rod driven into the firm bottom of the stream bed.

In some cases, the staff gauges consisted of open-ended steel pipe driven to 1 to 2 feet below the stream bed. These locations served as river piezometers to allow the synoptic measurement of surface water and groundwater elevation data. Information regarding groundwater surface water interactions is presented in TM 2, *Water Level Measurements and Site Survey Data*.

After identifying the appropriate sampling location, pre-labeled laboratory-supplied sample containers, appropriate to the respective analyses were readied. The sampling location was approached from a downstream direction, disturbing the bottom sediments as little as possible, and the depth to the surface water surface from the surveyed reference point was gauged. Sample containers were filled directly from the stream flow by immersion of the container into the stream waters. Sample information, including date and time, location, sample number, depth to the surface water, and pertinent observations were recorded on the appropriate field forms.

After collection, the samples were placed into iced coolers for transportation to the analytical laboratory under chain-of-custody control. Quality assurance, quality control, and sample custody particulars are discussed in Section 2.3 of this TM.

2.1.2 Sediment Sampling Methods

The first sediment sampling event was conducted on November 21 and 22, 1991 during the Site-Wide Environmental Monitoring Program at the Main Street facility by H&A. Subsequent sediment sampling events were conducted in 1992 and 1993 by H&A and M&E. Samples collected during these sampling events were conducted in the same general manner as described below.

Sediment sampling during the most recent investigation activities was conducted in general accordance with the LEA SOP *Standard Operating Procedure for Sediment Sampling in Shallow Rivers and Ponds*. Sediment samples were collected at the same spatial locations as surface water samples. Sediment samples were collected using pre-cleaned, stainless steel hand trowels or scoops, or hand augers. After collection, the sampling device was brought to the surface and the sediment was transferred to pre-labeled laboratory-supplied sampling containers using stainless-steel spatulas.

After collection, the samples were placed into iced coolers for transportation to the analytical laboratory under chain-of-custody control. Quality assurance, quality control, and sample custody particulars are discussed in Section 2.3 of this TM.

2.2 Analytical Parameters

The analytical parameters selected for the surface water samples collected in November 1997 were the same as those described in the Work Plan, and include VOCs, and the RCRA 8 metals plus nickel and zinc. The surface water samples were collected directly into pre-preserved laboratory supplied containers.

The analytical parameters selected for the sediment samples collected in November 1997 were the same as those described in the Work Plan, and include volatile organic compounds (VOCs), and the RCRA 8 metals plus nickel and zinc.

2.3 Quality Assurance/Quality Control Procedures

Several Quality Assurance (QA) samples were collected to confirm the reliability and validity of the field data gathered during the Site investigation. Duplicate samples were used to provide a measurement of the consistency of samples from the same sampling station and an estimate of variance and bias. Trip and equipment blanks were used to provide a measurement of cross-contamination sources, decontamination efficiency, and other potential errors that can be introduced from sources other than the sample.

Trip blanks were used on every sampling day, because samples were routinely analyzed for the presence of volatile organic compounds. Trip blanks were supplied by the analytical laboratory for each cooler/sampling event.

Equipment blanks submitted to off-site analytical laboratories were collected at the rate of approximately one equipment blank for every twenty soil samples submitted for analysis. Equipment blanks submitted to off-site laboratories were collected using laboratory-supplied distilled, de-ionized water using field decontaminated sampling equipment. Equipment blanks submitted to the LEA Analytical Laboratory were collected daily using the laboratory-supplied sampling water.

During the Site investigation, samples were collected for the purpose of defining the presence or absence of contamination. For this reason, the possession of samples, including QA/QC samples, was traceable from the time the samples were collected until they were analyzed. Chain-of-custody procedures were used to maintain and document sample possession from collection through analysis. The following documents identify samples and document possession:

Sample labels
Chain-of-custody record forms
Field notebooks/Field Sampling Records

The field sampler was responsible for the care and custody of the samples collected until they are transferred under the chain-of-custody procedures.

2.4 Data Management

Data management procedures were used in assure that field and laboratory data collected as part of the sampling events were properly and accurately transferred to the Site database maintained by LEA. Data management procedures were as outlined in the data management plan

The following describes the tasks of the data management team:

Samples collected during the investigations were identified using the following information:

- Site location
- Date and Time
- Sample matrix
- Sample type
- Sample point number

Field sample tracking activities focused on the timely tracking of information about field samples taken for the Site investigation. This information included sample identifiers, chain of custody information, sample station identifiers, sample characteristics, and sample locations. This was transmitted from field to office personnel through the use of daily field summary sheets and other project information tracking forms. Daily field summary sheets were completed by each field team leader. The daily field summary sheets detailed the daily activities conducted by the staff and contractors, hours logged by staff and contractors, problems encountered, general field observations, and samples submitted for analyses. Field summary sheets and project information tracking forms were submitted to the field activities coordinator at the end of each working day or as soon thereafter as possible. The summary sheets and forms, in turn, were placed in the central file.

Field Team Leaders completed, on a daily basis, a daily log sheet, which at a minimum detailed the people working in a given area, the hours worked, the tasks performed, the number and matrix of samples collected, and the number of samples shipped for analysis. The daily log sheets were submitted to the field activities coordinator.

Specifically, field sample tracking included the following tasks:

- Assignment of sample identification numbers and other sample identifiers to new samples to be taken, and entry to a tracking system
- Production of sample bottle labels from the tracking system

- Completion of Chain-of-Custody forms, and entry of this information to the tracking system
- Entry of additional tracking dates to the tracking system
- Quality Assurance (QA) checking of the sample tracking information, and processing of change requests
- Production of tracking reports and summary sheets, with distribution to appropriate project staff

A computer-based sample-tracking system, based on a dBase® storage and retrieval system, was used for sample tracking.

2.5 Decontamination of Materials and Equipment

The purpose of consistent decontamination procedures was to prevent the potential spread of contamination between boreholes and samples and from the immediate work area around the borehole. All equipment and materials used to collect sediment samples was decontaminated prior to initiating the sampling activities and between individual samples, as appropriate. Decontamination procedures are presented in the LEA SOP *Standard Operating Procedure for Soil Sampling*. Surface water samples were collected directly into the sample containers and decontamination procedures were not necessary.

Sampling equipment such as the bucket augers and stainless steel spatulas were decontaminated between uses in the field at the drilling site or the decontamination pad. Manual decontamination took place at the sampling site using a portable decontamination system consisting of small, portable trough to contain over-spray and potentially spilt decontamination fluids, and decontamination solutions in individual 5-gallon buckets or spray containers, as appropriate. The sampling equipment was decontaminated using the following procedure:

- Brush off gross soil particles.
- Wash and scrub equipment with phosphate-free detergent.
- Rinse equipment with deionized water.
- Rinse equipment with dilute nitric acid solution.
- Rinse equipment in deionized water.
- Rinse equipment with dilute methanol/water solution.
- Rinse equipment in deionized water.
- Allow equipment to air dry.

The decontamination water was maintained in 5-gallon buckets during use, and transferred to 55-gallon drums for disposal. LEA field personnel were responsible for preventing cross-contamination between soil samples collected for laboratory analysis. Sample preparation tables were covered with clean, disposable plastic. Clean, disposable plastic was also laid on the ground beneath the sample preparation tables and the decontamination solutions to catch dropped soil and spilt decontamination solutions.

2.6 Sampling Location Identifiers

Monitoring wells, piezometers, stream gauges, surface water and sediment sampling locations, and soil borings have been identified using a systematic method to prevent duplication of location identifiers. The system of location identifiers provides a relatively easy means of finding the referenced locations on site maps. All areas of the Pratt & Whitney East Hartford facilities, including the Andrew Willgoos Gas Turbine Laboratory, the Colt Street facility, and Main Street facility have been assigned two-letter identifiers based upon the common name for the area. These two-letter designations are presented in Table 4.

In addition, each type of sampling location has been assigned a two-letter designation to distinguish the various types of sampling locations possible. The two-letter designations for the various types of sampling locations are also presented in Table 4. Because of the large areas involved, the study areas that encompass the Airport/Klondike Area include the North and South Airport Areas and the North and South Klondike Areas. All monitoring and sampling locations have been given a location identifier based on their location in the Airport/Klondike Area, the type of sampling or monitoring location, and finally a sequential numeric identifier based upon the specific type of location. All surface water and sediment sampling locations are presented on Drawing TM6-1.

2.7 Waste Management

All spent decontamination fluids generated during sampling and gauging activities for the surface water and sediment sampling portion of the investigation were placed in 55-gallon closed-top drums supplied by P&W for subsequent off-site disposal by P&W. The drums were labeled, the locations contributing to each were listed, and the information tracked to aid in waste characterization and disposal.

2.8 Health and Safety

LEA field personnel conducted field activities in accordance with the LEA Site Health and Safety

Plan that was prepared for all of the investigation activities included on the Site. In general, surface water and sediment sampling was conducted in modified Level D personal protective equipment (PPE) consisting of safety glasses and surgical or nitrile gloves.

3. RESULTS

A total of thirty-five surface water and sediment sampling locations have been established in the Airport/Klondike Area: two in the North Airport Area; six in the North Klondike Area; ten in the South Airport Area; and, seventeen in the South Klondike Area. These surface water/sediment locations have been situated in Willow Brook, Pewterpot Brook, and various unnamed tributaries to these streams. The locations of these sampling points has been chosen to provide relatively complete coverage of the surface water bodies in the Airport/Klondike Area. These surface water/sediment sampling locations have been surveyed to provide a horizontal location data.

In some cases, the surface water/sediment sampling locations are simple staff gauges, from which surface water elevation data can be determined. In other cases the surface water/sediment sampling locations are river piezometers from which both surface water and groundwater elevation data can be determined.

3.1 Distribution of Substances in Surface Water

This section discusses the constituents detected in surface water samples from the latest sampling round from each of the sampling locations. Surface waters were last sampled in the North Airport Area at NA-SW-01 and NA-SW-02 in May 1993. In the North Klondike, surface waters were last sampled at locations NK-SW-02, NK-SW-04, and NK-SW-04 in June 1992, at locations NK-SW-01 and NK-SW-05 in May 1993, and at location NK-SW-06 in July 1997. In the South Airport Area, surface waters were last sampled at location SA-SW-03 in June 1992, at locations SA-SW-04 and SA-SW-06 in May 1993, and at locations SA-SW-01, SA-SW-02, SA-SW-05, and SA-SW-07 through SA-SW-10 in July 1997.

Surface water quality is not regulated under the Remediation Standard Regulations (RSR), Regulations of Connecticut State Agencies (RCSA) 22a-133k-1 *et. seq.* Surface water quality is regulated under the Water Quality Standards (WQS). The WQS direct that "*surface waters and sediments be free from chemical constituents in concentrations or combinations which will or can reasonably be expected to result in acute or chronic toxicity to aquatic organisms or impair the biological integrity of aquatic or marine ecosystems outside of any allocated zone of influence or which will or can reasonably be expected to bioconcentrate or bioaccumulate in tissues of fish, shellfish and other aquatic organisms to levels which will impair the health of aquatic organisms or wildlife or result in unacceptable tastes, odors or health risks to human consumers of aquatic life.*"

Groundwater discharge to surface water is regulated under the RSR through the Surface Water Protection Criteria (SWPC). The SWPC regulates the level of contaminants allowable in groundwater bodies which discharge to surface water bodies. Groundwater discharges to surface water is discussed in TM 3 *Groundwater Sampling and Quality*.

The constituents detected during the latest surface water sampling event for each surface water sampling location are shown on DrawingTM6-1.

3.1.1 Distribution of Volatile Organic Compounds

No volatile organic compounds (VOCs) were detected in any surface water sample collected in the North Airport Area.

In the North Klondike Area, methylene chloride was detected in surface water samples collected at sampling locations NK-SW-03, NK-SW-04, NK-SW-05, and NK-SW-06, in June 1992, however, methylene chloride was not detected in subsequent sampling of NK-SW-04, NK-SW-05, or NK-SW-06. NK-SW-03 has not been re-sampled since June 1992. Based on the fact that methylene chloride was detected only during this sampling event, these results may represent laboratory carry-through.

In the South Airport Area, no VOCs were detected in any of the surface water samples collected.

In the South Klondike Area, 1,2-dichloroethylene, cis-1,2-dichloroethylene, ethylbenzene, tetrachloroethylene, 1,1,1-trichloroethane, and trichloroethylene were detected during the latest sampling event for each sampling location.

There are no applicable aquatic life protection criteria (ALPC) in the current WQS for volatile organic compounds. The concentration of the VOCs and the locations at which specific VOCs were detected in sediment samples are shown on Drawing TM6-1.

3.1.2 Distribution of Metals

Metals detected in surface water samples collected in the North Airport and North Klondike include barium, copper, lead and zinc. Barium was detected in virtually all surface water samples collected. There is no applicable standard for barium in surface waters. Copper and lead were detected in the surface water sample collected at location NK-SW-02 at concentrations of 0.01 and 0.015 mg/l, respectively. The aquatic life protection criteria (ALPC) for copper and lead are 0.0143 and 0.034 mg/l, respectively. Zinc was detected in the sample collected at locations NK-

SW-01, NK-SW-03, NK-SW-05, and NK-SW-06 at concentrations of 0.02, 0.02, 0.022, and 0.0722 mg/l, respectively. The ALPC for zinc is 0.0353 mg/l.

In the South Airport Area, barium, lead, and zinc were detected. Barium was detected in surface water samples collected from SA-SW-03, SA-SW-04, SA-SW-05, and SA-SW-06, at concentrations of 0.04, 0.037, 0.044, and 0.45 mg/l, respectively. Lead was detected in the sample collected from SA-SW-02 at a concentration of 0.0044 mg/l. The ALPC for lead is 0.034 mg/l. Zinc was detected in the samples collected from locations SA-SW-01, SA-SW-02, SA-SW-04, and SA-SW-07, at concentrations of 0.0258, 0.0370, 0.028, and 0.724 mg/l, respectively. The ALPC for zinc is 0.0353 mg/l.

In the South Klondike Area, arsenic, barium, cadmium, chromium, lead, mercury, selenium, and zinc were detected. Arsenic was detected in the surface water sample collected from location SK-SW-08 at a concentration of 0.0189 mg/l. The ALPC for arsenic is 0.360 mg/l. Barium was detected in surface water samples collected at locations SK-SW-01, SK-SW-02, SK-SW-04, SK-SW-05, and SK-SW-08, at concentrations of 0.03, 0.033, 0.048, 0.044, and 0.209 mg/l, respectively. Cadmium was detected in the sample collected from SK-SW-08 at a concentration of 0.0391 mg/l. The ALPC for cadmium is 0.0018 mg/l. Chromium was detected in the samples collected at locations SK-SW-07, SK-SW-08, and SK-SW-10 at concentrations of 0.0345, 0.693, and 0.184 mg/l, respectively. The ALPC for chromium is 0.980 mg/l. Lead was detected in the surface water samples collected at locations SK-SW-07, SK-SW-08, and SK-SW-10 at concentrations of 0.0068, 0.132, 0.0133 mg/l, respectively. The ALPC for lead is 0.034 mg/l. Mercury was detected in the sample collected at SK-SW-08 at a concentration of 0.00066 mg/l. The ALPC for mercury is 0.0024 mg/l. Selenium was detected in the sample collected from SK-SW-08 at a concentration of 0.0134 mg/l. The ALPC for selenium is 0.020 mg/l. Zinc was detected in the samples collected at SK-SW-03, SK-SW-07, SK-SW-08, SK-SW-10, SK-SW-11, and SK-SW-16, at concentrations of 0.0341J, 0.105, 0.151, 0.0572, 0.0305, and 0.0547 mg/l, respectively. The ALPC for zinc is 0.0353 mg/l.

The distribution of metals detected in surface water is shown on Drawing TM6-1.

3.1.3 Distribution of Semivolatile Organic Compounds and Total Petroleum Hydrocarbons

There were no SVOCs or TPH detected in any surface water sample collected from locations in the North Airport, South Airport, or North Klondike during the latest sampling event.

Semivolatile organic compounds were detected in two surface water samples collected in the South Klondike Area. In surface water samples collected at SK-SW-12 and SK-SW-13, 3-cresol/4-cresol was detected. The analytical results "J" flag indicates that the concentration was estimated because the analysis was performed after the holding period expired. Note that in the data tables presented with this TM the concentrations of the 3-cresol and 4-cresol are reported separately and both are flagged with a "#" indicating that the laboratory was unable to distinguish the isomers and reported the total concentration detected. For both of these analyses, the analytical results from the original extractions were rejected by the laboratory because of poor surrogate recoveries. Both analytes from both samples were originally reported as not detected at a detection limit equal to the currently reported concentrations. The samples were re-extracted and re-analyzed, however, the second extractions were performed after the holding times for the analyses had expired. Because of the discrepancy between the analysis date and the holding time, all reported concentrations were reported as estimated. There are no applicable surface water criteria for 3-cresol or 4-cresol.

Total petroleum hydrocarbons were detected in three surface water samples collected in the South Klondike. Total petroleum hydrocarbons were detected in surface water SK-SW-12, SK-SW-13, and SK-SW-14. All of the concentrations were flagged "J" indicating that the reported concentrations were estimated because the reported concentration was below the reporting limit. There is no applicable standard for TPH in surface waters.

The distribution of SVOCs detected in surface water samples is shown on Drawing TM6-1.

3.1.4 Distribution of Polychlorinated Biphenyls

No polychlorinated biphenyls (PCBs) were detected in any of the surface water collected.

3.2 Distribution of Substances in Sediment

This section discusses the constituents detected in sediment samples from the latest sampling round from each of the sampling locations. Sediments were last sampled in the North Airport Area at NA-SD-01, NA-SD-02, NA-SD-03, and NA-SD-04 in May 1993. In the North Klondike, sediment was last sampled at locations NK-SD-02, and NK-SD-03 in May 1993, at locations NK-SD-04, NK-SD-07, and NK-SD-08 in June 1993, and at location NK-SD-01, NK-SD-09, and NK-SD-19 in July 1997. In the South Airport Area, sediment was last sampled at locations SA-SD-03, SA-SD-5, and SA-SD-07 in May 1993, and at locations SA-SD-01, SA-SD-02, SA-SD-04, SA-SD-06, SA-SD-08, and SA-SD-09 in July 1997. In the South Klondike Area sediment was last sampled at locations SK-SD-01, SK-SD-03, and SK-SD-05 in May 1993, at

location SK-SD-06 in June 1993, at locations SK-SD-12 through SK-SD-15 in August 1996, and at locations SK-SD-02, SK-SD-04, SK-SD-06 through SK-SD-11, SK-SD-16, and SK-SD-17 in July 1997.

Sediment quality is not regulated under the Remediation Standard Regulations (RSR), Regulations of Connecticut State Agencies (RCSA) 22a-133k-1 *et. seq.* However, sediment quality is regulated under the Water Quality Standards (WQS). The WQS direct that "*surface waters and sediments be free from chemical constituents in concentrations or combinations which will or can reasonably be expected to result in acute or chronic toxicity to aquatic organisms or impair the biological integrity of aquatic or marine ecosystems outside of any allocated zone of influence or which will or can reasonably be expected to bioconcentrate or bioaccumulate in tissues of fish, shellfish and other aquatic organisms to levels which will impair the health of aquatic organisms or wildlife or result in unacceptable tastes, odors or health risks to human consumers of aquatic life.*"

The constituents detected during the latest sediment water sampling event for each sediment sampling location are shown on Drawing TM6-1.

3.2.1 Distribution of Volatile Organic Compounds

No VOCs were detected in sediment samples collected in the North Airport Area.

In the North Klondike Area, acetone, methyl ethyl ketone, methylene chloride, and 1,1,1-trichloroethane were detected in sediment samples. Volatile organic compounds were detected in sediment samples collected at locations NK-SD-01, NK-SD-02, NK-SD-04, and NK-SD-08.

In the South Airport Area, acetone, methyl ethyl ketone, methylene chloride, and toluene were detected in sediment samples. Volatile organic compounds were detected in sediment samples collected from SA-SD-01, SA-SD-02, SA-SD-08, and SA-SD-09.

In the South Klondike Area, acetone, 1,1-dichloroethane, cis-1,2-dichloroethylene, ethylbenzene, methyl ethyl ketone, methylene chloride, tetrachloroethylene, trichloroethylene, and toluene were detected in sediment samples. Volatile organic compounds were detected in sediment samples collected at locations SK-SD-01, SK-SD-02, SK-SD-05, SK-SD-07, SK-SD-08, SK-SD-09, SK-SD-10, SK-SD-11, SK-SD-12, and SK-SD-16.

The concentration of the VOCs and the locations at which specific VOCs were detected in sediment samples are shown on Drawing TM6-1.

3.2.2 Distribution of Metals

Metals are ubiquitously distributed throughout the sediments at the Site. Arsenic, barium, beryllium, cadmium, chromium, lead, mercury, nickel, silver, and zinc have been detected in the sediments in the Airport/Klondike Area. These metals may be the result of natural processes or anthropogenic activities. No numerical standards currently apply to sediment quality. The concentrations of metals detected in sediment samples is presented in Tables 6 and 7.

3.2.3 Distribution of Semivolatile Organic Compounds and Total Petroleum Hydrocarbons

Semivolatile organic compounds were detected in one sediment sample from the North Airport Area. Benzo[b]fluoranthene, fluoranthene, phenanthrene, and pyrene were detected in sediment sample NA-SD-01. In the North Klondike Area, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, chrysene, fluoranthene, phenanthrene, and pyrene were detected in sediment sample NK-SD-07. No SVOCs were detected in the sediment samples from the South Airport Area. In the South Klondike Area, fluoranthene and pyrene were detected in SK-SD-05.

Total petroleum hydrocarbons were not detected in sediment samples for the Site.

The concentration of the SVOCs and the locations at which specific SVOCs were detected in sediment samples are shown on Drawing TM6-1.

3.2.4 Distribution of Polychlorinated Biphenyls

Polychlorinated biphenyls have been detected in sediment samples collected from location NK-SD-04, SK-SD-01, and SK-SD-07. No PCBs were detected in sediment samples collected from the North or South Airport Areas.

The concentration of the PCBs and the locations at which PCBs were detected in sediment samples are shown on Drawing TM6-1.

3.3 Evaluation of Results

Surface water and sediment samples were collected from various stream locations throughout the Airport/Klondike Area. Analyses of these samples has indicated the presence of a variety of constituents in the surface waters and sediments in the area. Surface water and sediment quality are governed by the Water Quality Standards, numerical standards have been promulgated only for surface water quality, no numeric standards have been created for sediment.

Exceedances of the applicable surface water quality criteria in the WQS were noted for zinc, lead, and cadmium. In the North Airport Area, NA-SW-02, in the North Klondike Area, NK-SW-06, in the South Airport Area, SA-SW-02 and SA-SW-07, and in the South Klondike Area, SK-SW-07, SK-SW-08, SK-SW-09, SK-SW-10, and SK-SW-16, all exceeded the ALPC for zinc of 0.353 mg/L. In the South Klondike Area, SK-SW-08 exceeded the applicable ALPC for lead of 0.034 mg/L. In the South Klondike Area, SK-SW-08 and SK-SW-09 exceeded the applicable ALPC for cadmium of 0.0018 mg/L.

No WQS standards currently exist for VOCs in surface waters, although the VOCs in groundwater discharging to surface waters are regulated under the RSR. Acetone, 1,1-dichloroethane, cis-1,2-dichloroethylene, ethylbenzene, methyl ethyl ketone, methylene chloride, tetrachloroethylene, 1,1,1-tetrachloroethane, trichloroethylene, and toluene have been detected in surface water and sediment samples collected in the North Klondike, South Airport, and South Klondike Areas.

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REFERENCES

Haley & Aldrich, Inc., January, 1993, *Site-Wide Environmental Monitoring Report, Pratt & Whitney, East Hartford, Connecticut*, prepared for Pratt & Whitney.

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Westinghouse Environmental and Geotechnical Services, Inc. November 1990, *Current Assessment Summary Report*, Pratt & Whitney, East Hartford, Connecticut, unpublished report for Pratt & Whitney.

Westinghouse Environmental and Geotechnical Services, Inc. 1990, *Preliminary Reconnaissance Survey of the Klondike Area*, Pratt & Whitney, East Hartford, Connecticut, unpublished report for Pratt & Whitney.

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TABLES

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Table 1
Location and Description of Surface Water/Sediment Sampling Locations
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

Location	Location Description
NA-SW-01	
NA-SW-02	
NK-SW-01	Background tributary in Suntan Area
NK-SW-02	Northern boundary tributary in Suntan Area
NK-SW-03	Suntan tributary above southern boundary tributary
NK-SW-04	Southern boundary tributary in Suntan Area
NK-SW-05	Chemical Storage Area tributary above Suntan Area tributary
NK-SW-06	Suntan Area tributary above East Service Road
SA-SW-01	Suntan Area tributary before confluence with Willow Brook
SA-SW-02	Suntan Area tributary above Pewterpot Brook
SA-SW-03	Pewterpot Brook tributary above Suntan Area tributary
SA-SW-04	
SA-SW-05	
SA-SW-06	
SA-SW-07	
SA-SW-08	
SA-SW-09	
SA-SW-10	
SK-SW-01	Upstream end of Klondike Area tributary
SK-SW-02	Klondike Area tributary near Virgin Products Storage Area
SK-SW-03	Klondike Area tributary above Pewterpot Brook
SK-SW-04	Pewterpot Brook above Klondike Area
SK-SW-05	
SK-SW-06	
SK-SW-07	
SK-SW-08	
SK-SW-09	
SK-SW-10	
SK-SW-11	
SK-SW-12	
SK-SW-13	
SK-SW-14	
SK-SW-15	
SK-SW-16	
SK-SW-17	

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Table 2
Area and Sampling Type Identifiers
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

Area Designation	Area	Sampling Type Identifier	Explanation
AB	Within A Building	MW	Monitoring Well
BB	Within B Building	PZ	Piezometer
CB	Within C Building	SW	Surface Water
DB	Within D Building	SD	Sediment
EB	Within E Building	CC	Concrete Chip
FB	Within F Building	SS	Surface Soil
GB	Within G Building	SB	Soil Boring
HB	Within H Building		
JB	Within J Building		
KB	Within K Building		
LB	Within L Building		
MB	Within M Building		
CS	Colt Street Facility		
EA	Engineering Area		
ET	Experimental Test Airport Laboratory		
LM	Area Outside Buildings L and M		
NA	North Airport Area		
NT	North Test Area		
NW	North Willgoos Area		
PH	Powerhouse Area		
SA	South Airport Area		
SK	South Klondike Area		
ST	South Test Area		
SW	South Willgoos Area		
WT	Waste Treatment Area		
XT	Experimental Test Area		

Table 3

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SUMMARY OF SURFACE WATER AND SEDIMENT SAMPLING AND ANALYSES
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

Sample Information					Analysis Information								
Location ID	Sample ID	Sample Date	From (ft) To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NA-SD-01	03024051193	05/11/93		SD		x	X		x	x	X	X	
NA-SD-02	03014051193	05/11/93		SD		x			x		X	X	
NA-SD-03	03034051193	05/11/93		SD		x			X	x	X	X	
NA-SD-04	03044051193	05/11/93		SD		x			x	x	X	X	
NA-SW-01	03023051193	05/11/93		SW		x	x				X		
NA-SW-01	03023051793	05/17/93		SW		x							X
NA-SW-02	03013051193	05/11/93		SW		x					X		
NA-SW-02	03013051793	05/17/93		SW		x							X
NK-SD-01	01014112291	11/23/91		SD	x				X	x	X	x	
NK-SD-01	01014060992	06/10/92		SD	x				X	x	X		
NK-SD-01	01014051393	05/13/93		SD		x				X	X	X	
NK-SD-01	1638979	07/17/97		SD		X					X		
NK-SD-02	01034051393	05/13/93		SD		x	x		X	x	X	x	
NK-SD-02	01044051393	05/13/93		SD		X	x		x	x	X	x	
NK-SD-03	01024051393	05/13/93		SD		x				x	X	X	
NK-SD-04	01014060393	06/03/93		SD		X	x			X			
NK-SD-05	01024060393	06/03/93		SD		x	x			x			
NK-SD-06	01034060393	06/03/93		SD		x	x			x			
NK-SD-06	01014070293-	07/02/93		SD									x
NK-SD-07	01044060393	06/03/93		SD		x	X			x			
NK-SD-07	01024070293-	07/02/93		SD									x
NK-SD-08	01054060393	06/03/93		SD		X	x			x			
NK-SD-09	01094070793	07/07/93		SD							X		
NK-SD-19	01104070793	07/07/93		SD							X		
NK-SW-01	01013112291	11/23/91		SW	x						X		X
NK-SW-01	01013060892	06/09/92		SW	x						X		X
NK-SW-01	01033051393	05/13/93		SW		x	x		x	x	X		X
NK-SW-01D	01043051393	05/13/93		SW		x	x		x	x	X		X
NK-SW-02	01023112291	11/23/91		SW	x						X		X
NK-SW-02	01023060892	06/09/92		SW	x						X		X
NK-SW-03	01033112191	11/22/91		SW	x						X		X
NK-SW-03	01033060892	06/09/92		SW	X						X		X

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit
2. Printed on 05/26/98

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Table 3

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SUMMARY OF SURFACE WATER AND SEDIMENT SAMPLING AND ANALYSES
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

Sample Information					Analysis Information								
Location ID	Sample ID	Sample Date	From (ft) To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SW-04	01043112291	11/23/91		SW	x						X		X
NK-SW-04	01043060892	06/09/92		SW	X						X		X
NK-SW-05	01053112291	11/23/91		SW	x						X		X
NK-SW-05	01053060892	06/09/92		SW	X						X		X
NK-SW-05	01023051393	05/13/93		SW		x					X		
NK-SW-06	01063112191	11/22/91		SW	x						X		X
NK-SW-06	01063060892	06/09/92		SW	X						X		X
NK-SW-06	01013051393	05/13/93		SW		x					X		
NK-SW-06	1638999	07/17/97		SW		x					X		
SA-SD-01	04014112291	11/23/91		SD	x				X	x	X	x	
SA-SD-01	04014060992	06/10/92		SD	X				x	x	X		
SA-SD-01	1638992	07/17/97		SD		X					X		
SA-SD-01	1638995	07/17/97		SD		x					X		
SA-SD-02	02034051193	05/11/93		SD		x			x	x	X	x	
SA-SD-02	1638994	07/17/97		SD		X					X		
SA-SD-03	02024051193	05/11/93		SD		x			x	x	X	x	
SA-SD-04	04034051293	05/12/93		SD		x			X	x	X	x	
SA-SD-04	1638989	07/17/97		SD		x					X		
SA-SD-05	04024051293	05/12/93		SD		x			X	x	X	X	
SA-SD-06	02014051193	05/11/93		SD		X			x	x	X	X	
SA-SD-06	1638993	07/17/97		SD		x					X		
SA-SD-07	04014051293	05/12/93		SD		x			X	x	X	x	
SA-SD-08	1638991	07/17/97		SD		X					X		
SA-SD-09	1638990	07/17/97		SD		X					X		
SA-SW-01	04013112191	11/22/91		SW	x						X		X
SA-SW-01	04013060892	06/09/92		SW	x						X		X
SA-SW-01	02033051193	05/11/93		SW		x					X		
SA-SW-01	1639014	07/17/97		SW		x					X		
SA-SW-02	04023112191	11/22/91		SW	x						X		X
SA-SW-02	04023060892	06/09/92		SW	x						X		X
SA-SW-02	1639012	07/17/97		SW		x					X		
SA-SW-03	04033112191	11/22/91		SW	x						X		X
SA-SW-03	04033060892	06/09/92		SW	x						X		X

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SUMMARY OF SURFACE WATER AND SEDIMENT SAMPLING AND ANALYSES
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

Sample Information					Analysis Information								
Location ID	Sample ID	Sample Date	From (ft) To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SA-SW-04	02023051193	05/11/93		SW		x					X		
SA-SW-05	04033051293	05/12/93		SW		x					X		
SA-SW-05	1639009	07/17/97		SW		x					x		
SA-SW-06	04023051293	05/12/93		SW		x					X		
SA-SW-07	02013051193	05/11/93		SW		x					X		
SA-SW-07	1639013	07/17/97		SW		x					X		
SA-SW-08	04013051293	05/12/93		SW		x					X		
SA-SW-08	1639015	07/17/97		SW		x					X		
SA-SW-09	1639011	07/17/97		SW		x					x		
SA-SW-10	1639010	07/17/97		SW		x					X		
SK-SD-01	02014112291	11/23/91		SD	X				x	X	X	x	
SK-SD-01	02014060992	06/10/92		SD	x				x	x	X		
SK-SD-01	02024051393	05/13/93		SD		X				X	X	X	
SK-SD-02	02024112291	11/23/91		SD	x				X	x	X	x	
SK-SD-02	02024060992	06/10/92		SD	X				x	x	X		
SK-SD-02	02014051293	05/12/93		SD		X			x	x	X	X	
SK-SD-02	1638988	07/17/97		SD		X					X		
SK-SD-03	02034051393	05/13/93		SD		X	x			x	X	x	
SK-SD-04	02014051393	05/13/93		SD		x				x	X		
SK-SD-04	02140051393	05/13/93		SD								x	
SK-SD-04	1638996	07/17/97		SD		X					X		
SK-SD-05	02024051293	05/12/93		SD		X	X		x	x	X	x	
SK-SD-06	02018052893	05/28/93		SD		X							
SK-SD-06	02015060793	06/07/93		SD		x					X		
SK-SD-07	1017529	08/21/96		SD		X	x			X	X		
SK-SD-07	1638984	07/17/97		SD		X				X	X		
SK-SD-07	1638985	07/17/97		SD		X				x	X		
SK-SD-08	1017528	08/21/96		SD		X	x			x	X		
SK-SD-08	1638983	07/17/97		SD		X					X		
SK-SD-09	1017527	08/21/96		SD		X	x			x	X		
SK-SD-09	1638982	07/17/97		SD		X					X		
SK-SD-10	1017526	08/21/96		SD		X	x			x	X		
SK-SD-10	1638981	07/17/97		SD		X					X		

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit
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SUMMARY OF SURFACE WATER AND SEDIMENT SAMPLING AND ANALYSES
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

Sample Information					Analysis Information								
Location ID	Sample ID	Sample Date	From (ft) To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SD-11	1017525	08/21/96		SD		X	x			x	X		
SK-SD-11	1638980	07/17/97		SD		X					X		
SK-SD-12	1017531	08/21/96		SD		X	x			x	X		
SK-SD-12	1017543	08/21/96		SD		x	x			x	X		
SK-SD-13	1017530	08/21/96		SD		x	x			x	X		
SK-SD-14	1017532	08/21/96		SD		x	x			x	X		
SK-SD-15	1017533	08/21/96		SD		x	x			x	X		
SK-SD-16	1638986	07/17/97		SD		X					X		
SK-SD-17	1638987	07/17/97		SD		X					X		
SK-SW-01	02013112191	11/22/91		SW	x						X		X
SK-SW-01	02013060892	06/09/92		SW	x						X		X
SK-SW-02	02023112191	11/22/91		SW	X						X		X
SK-SW-02	02023060892	06/09/92		SW	X						X		X
SK-SW-02	02023051393	05/13/93		SW		X					X		
SK-SW-03	02033112191	11/22/91		SW	X						X		X
SK-SW-03	02033060892	06/09/92		SW	X						X		X
SK-SW-03	02013051293	05/12/93		SW		X					X		
SK-SW-03	1639008	07/17/97		SW		X					X		
SK-SW-04	02043112291	11/22/91		SW	x						X		X
SK-SW-04	02043060892	06/09/92		SW	x						X		X
SK-SW-04	02013051393	05/13/93		SW		x					X		
SK-SW-04	1639016	07/17/97		SW		x					x		
SK-SW-05	02033051393	05/13/93		SW		X	x				X		
SK-SW-06	02023051293	05/12/93		SW		x	x				X		
SK-SW-07	1017538	08/21/96		SW		X	x			x	X		
SK-SW-07	1018912	10/07/96		SW		X							
SK-SW-07	1639004	07/17/97		SW		X					X		
SK-SW-07	1639005	07/17/97		SW		X					X		
SK-SW-08	1017537	08/21/96		SW		X	x			x	X		
SK-SW-08	1018911	10/07/96		SW		X							
SK-SW-08	1639003	07/17/97		SW		X					X		
SK-SW-09	1017536	08/21/96		SW		X	x			x	X		
SK-SW-09	1018910	10/07/96		SW		X							

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit
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SUMMARY OF SURFACE WATER AND SEDIMENT SAMPLING AND ANALYSES
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

Sample Information					Analysis Information								
Location ID	Sample ID	Sample Date	From (ft) To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SW-09	1639002	07/17/97		SW		X					x		
SK-SW-10	1017535	08/21/96		SW		X	x			x	X		
SK-SW-10	1018909	10/07/96		SW		X							
SK-SW-10	1639001	07/17/97		SW		X					X		
SK-SW-11	1017534	08/21/96		SW		X	x			x	X		
SK-SW-11	1018908	10/07/96		SW		X							
SK-SW-11	1639000	07/17/97		SW		X					X		
SK-SW-12	1632998	07/18/97		SW		x	X						X
SK-SW-12	1632999	07/18/97		SW		x	x						X
SK-SW-13	1633000	07/18/97		SW		x	X						X
SK-SW-14	1633001	07/18/97		SW		x	x						X
SK-SW-16	1639006	07/17/97		SW		X					X		
SK-SW-17	1639007	07/17/97		SW		X					x		

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit
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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NA-SW-01	NA-SW-01	NA-SW-01	NA-SW-02	NA-SW-02	NK-SW-01	NK-SW-01
	Sample ID	03023051193	03023051193	03023051793	03013051193	03013051793	01013112291	01013060892
	Sample Date	05/11/1993	05/11/1993	05/17/1993	05/11/1993	05/17/1993	11/23/1991	06/09/1992
	Sample Time							
	Laboratory	ENS	ENS	ENS	ENS	ENS	CEIM	CEIM
	Lab. Number	0286000005DU	0286000005SA	0287500007SA	0286000003SA	0287500006SA	910658-06	920291-01
Constituent	Units							
Date Metals Analyzed	-	05/24/1993	05/24/1993		05/24/1993			
Date Organics Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L	0.067	0.069				0.02	.06
Cadmium	mg/L							
Chromium	mg/L							
Chromium (Total)	mg/l							
Copper	mg/l						0.01	
Lead	mg/L						0.006	
Mercury	mg/L							
Potassium	mg/l						2.1	3.3
Selenium	mg/L							
Sodium	mg/l						7.4	25.8
Zinc	mg/L				0.23		0.01	
Alkalinity as CaCO3	mg/l						15	39
Chloride	mg/l						5	42
Hardness as CaCO3	mg/l						22.7	73
Nitrate	mg/l			1.0		0.073	0.28	1.23
Orthophosphate	mg/l							
Specific Conductivity	µmhos						98	260
Sulfate	mg/l						9	23
Total Petroleum Hydrocarbons	mg/L							
Cresol,3-	µg/L							
Cresol,4-	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NA-SW-01	NA-SW-01	NA-SW-01	NA-SW-02	NA-SW-02	NK-SW-01	NK-SW-01
	Sample ID	03023051193	03023051193	03023051793	03013051193	03013051793	01013112291	01013060892
	Sample Date	05/11/1993	05/11/1993	05/17/1993	05/11/1993	05/17/1993	11/23/1991	06/09/1992
	Sample Time							
	Laboratory	ENS	ENS	ENS	ENS	ENS	CEIM	CEIM
	Lab. Number	0286000005DU	0286000005SA	0287500007SA	0286000003SA	0287500006SA	910658-06	920291-01
Constituent	Units							
Dichloroethylene,1,2-	µg/l							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/l							
Methylene Chloride	µg/l							
Tetrachloroethylene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Vinyl Chloride	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NK-SW-01	NK-SW-01D	NK-SW-02	NK-SW-02	NK-SW-03	NK-SW-03	NK-SW-04
	Sample ID	01033051393	01043051393	01023112291	01023060892	01033112191	01033060892	01043112291
	Sample Date	05/13/1993	05/13/1993	11/23/1991	06/09/1992	11/22/1991	06/09/1992	11/23/1991
	Sample Time							
	Laboratory	ENS	ENS	CEIM	CEIM	CEIM	CEIM	CEIM
	Lab. Number	0286960013SA	0286960015SA	910658-07	920291-02	910652-03	920291-03	910658-08
Constituent	Units							
Date Metals Analyzed	-	05/26/1993	05/26/1993					
Date Organics Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L	0.052	0.050	0.03	.04	0.03	.04	0.06
Cadmium	mg/L							
Chromium	mg/L							
Chromium (Total)	mg/l							
Copper	mg/l				.01			
Lead	mg/L				.015			
Mercury	mg/L							
Potassium	mg/l			1.5	1.7	2.2	3.1	1.1
Selenium	mg/L							
Sodium	mg/l			4.0	6.6	10.5	15.6	5.9
Zinc	mg/L	0.020				0.01	.02	
Alkalinity as CaCO3	mg/l			5	8	14	26	21
Chloride	mg/l			9	8	16	24	14
Hardness as CaCO3	mg/l			23.1	28	37.1	55	46.4
Nitrate	mg/l	0.38	0.38	0.32	0.13	0.39	0.56	0.40
Orthophosphate	mg/l			0.40				
Specific Conductivity	µmhos			97	94	161	207	148
Sulfate	mg/l			16	16	16	23	157
Total Petroleum Hydrocarbons	mg/L							
Cresol,3-	µg/L							
Cresol,4-	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NK-SW-01	NK-SW-01D	NK-SW-02	NK-SW-02	NK-SW-03	NK-SW-03	NK-SW-04
	Sample ID	01033051393	01043051393	01023112291	01023060892	01033112191	01033060892	01043112291
	Sample Date	05/13/1993	05/13/1993	11/23/1991	06/09/1992	11/22/1991	06/09/1992	11/23/1991
	Sample Time							
	Laboratory	ENS	ENS	CEIM	CEIM	CEIM	CEIM	CEIM
	Lab. Number	0286960013SA	0286960015SA	910658-07	920291-02	910652-03	920291-03	910658-08
Constituent	Units							
Dichloroethylene,1,2-	µg/l							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/l							
Methylene Chloride	µg/l						9	
Tetrachloroethylene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Vinyl Chloride	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NK-SW-04	NK-SW-05	NK-SW-05	NK-SW-05	NK-SW-06	NK-SW-06	NK-SW-06
	Sample ID	01043060892	01053112291	01053060892	01023051393	01063112191	01063060892	01013051393
	Sample Date	06/09/1992	11/23/1991	06/09/1992	05/13/1993	11/22/1991	06/09/1992	05/13/1993
	Sample Time							
	Laboratory	CEIM	CEIM	CEIM	ENS	CEIM	CEIM	ENS
	Lab. Number	920291-04	910658-09	920291-05	0286960011SA	910652-04	920291-06	0286960009SA
Constituent	Units							
Date Metals Analyzed	-				05/26/1993			05/26/1993
Date Organics Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L	7.00000	0.02	.04	0.032	0.03	.05	0.041
Cadmium	mg/L							
Chromium	mg/L							
Chromium (Total)	mg/l		0.01					
Copper	mg/l							
Lead	mg/L							
Mercury	mg/L							
Potassium	mg/l	.9	1.1	.9		1.9	2	
Selenium	mg/L	.008						
Sodium	mg/l	5.7	1.2	2.7		9.6	10.6	
Zinc	mg/L		0.03	.02	0.022	0.01		0.035
Alkalinity as CaCO3	mg/l	20	3	2		17	22	
Chloride	mg/l	10				10	17	
Hardness as CaCO3	mg/l	48	8.3	14		36.4	45	
Nitrate	mg/l	0.38		0.04		0.45	0.55	
Orthophosphate	mg/l							
Specific Conductivity	µmhos	142	36	53		148	165	
Sulfate	mg/l	18	14	14		30	18	
Total Petroleum Hydrocarbons	mg/L							
Cresol,3-	µg/L							
Cresol,4-	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NK-SW-04	NK-SW-05	NK-SW-05	NK-SW-05	NK-SW-06	NK-SW-06	NK-SW-06
	Sample ID	01043060892	01053112291	01053060892	01023051393	01063112191	01063060892	01013051393
	Sample Date	06/09/1992	11/23/1991	06/09/1992	05/13/1993	11/22/1991	06/09/1992	05/13/1993
	Sample Time							
	Laboratory	CEIM	CEIM	CEIM	ENS	CEIM	CEIM	ENS
	Lab. Number	920291-04	910658-09	920291-05	0286960011SA	910652-04	920291-06	0286960009SA
Constituent	Units							
Dichloroethylene,1,2-	µg/l							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/l							
Methylene Chloride	µg/l	5		6			5	
Tetrachloroethylene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Vinyl Chloride	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NK-SW-06	SA-SW-01	SA-SW-01	SA-SW-01	SA-SW-01	SA-SW-02	SA-SW-02
	Sample ID	1638999	04013112191	04013060892	02033051193	1639014	04023112191	04023060892
	Sample Date	07/17/1997	11/22/1991	06/09/1992	05/11/1993	07/17/1997	11/22/1991	06/09/1992
	Sample Time	09:11				13:10		
	Laboratory	QUAN	CEIM	CEIM	ENS	QUAN	CEIM	CEIM
	Lab. Number	A7G180173033	910652-09	920291-11	0286000013SA	A7G180173007	910652-10	920291-12
Constituent	Units							
Date Metals Analyzed	-	07/29/1997			05/25/1993	07/29/1997		
Date Organics Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L		0.04	.05	0.039		0.03	.03
Cadmium	mg/L							
Chromium	mg/L							
Chromium (Total)	mg/l							
Copper	mg/l							
Lead	mg/L							
Mercury	mg/L							
Potassium	mg/l		2.0	1.9			2.8	2.3
Selenium	mg/L							
Sodium	mg/l		5.9	8.4			17.2	10.9
Zinc	mg/L	0.0722	0.03	.02	0.022	0.0258	0.02	.02
Alkalinity as CaCO3	mg/l		18	18			19	19
Chloride	mg/l		8	16			18	29
Hardness as CaCO3	mg/l		37.0	45			45.8	46
Nitrate	mg/l		1.68	1.62			1.69	1.95
Orthophosphate	mg/l							
Specific Conductivity	µmhos		141	148			225	177
Sulfate	mg/l		16	17			27	24
Total Petroleum Hydrocarbons	mg/L							
Cresol,3-	µg/L							
Cresol,4-	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NK-SW-06	SA-SW-01	SA-SW-01	SA-SW-01	SA-SW-01	SA-SW-02	SA-SW-02
	Sample ID	1638999	04013112191	04013060892	02033051193	1639014	04023112191	04023060892
	Sample Date	07/17/1997	11/22/1991	06/09/1992	05/11/1993	07/17/1997	11/22/1991	06/09/1992
	Sample Time	09:11				13:10		
	Laboratory	QUAN	CEIM	CEIM	ENS	QUAN	CEIM	CEIM
	Lab. Number	A7G180173033	910652-09	920291-11	0286000013SA	A7G180173007	910652-10	920291-12
Constituent	Units							
Dichloroethylene,1,2-	µg/l							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/l							
Methylene Chloride	µg/l							
Tetrachloroethylene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Vinyl Chloride	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SA-SW-02	SA-SW-03	SA-SW-03	SA-SW-04	SA-SW-05	SA-SW-06	SA-SW-07
	Sample ID	1639012	04033112191	04033060892	02023051193	04033051293	04023051293	02013051193
	Sample Date	07/17/1997	11/22/1991	06/09/1992	05/11/1993	05/12/1993	05/12/1993	05/11/1993
	Sample Time	12:40						
	Laboratory	QUAN	CEIM	CEIM	ENS	ENS	ENS	ENS
	Lab. Number	A7G180173005	910652-11	920291-13	0286000011SA	0286800007SA	0286800005SA	0286000009SA
Constituent	Units							
Date Metals Analyzed	-	07/29/1997			05/25/1993	05/24/1993	05/24/1993	05/24/1993
Date Organics Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L		0.03	.04	0.037	0.044	0.045	0.032
Cadmium	mg/L							
Chromium	mg/L							
Chromium (Total)	mg/l							
Copper	mg/l							
Lead	mg/L	0.0044						
Mercury	mg/L							
Potassium	mg/l		4.4	3.3				
Selenium	mg/L							
Sodium	mg/l		17.9	16.5				
Zinc	mg/L	0.0370	0.02		0.028			0.020
Alkalinity as CaCO3	mg/l		29	30				
Chloride	mg/l		28	38				
Hardness as CaCO3	mg/l		65.1	65				
Nitrate	mg/l		1.16	1.96				
Orthophosphate	mg/l		0.05					
Specific Conductivity	µmhos		270	266				
Sulfate	mg/l		24	22				
Total Petroleum Hydrocarbons	mg/L							
Cresol,3-	µg/L							
Cresol,4-	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SA-SW-02	SA-SW-03	SA-SW-03	SA-SW-04	SA-SW-05	SA-SW-06	SA-SW-07
	Sample ID	1639012	04033112191	04033060892	02023051193	04033051293	04023051293	02013051193
	Sample Date	07/17/1997	11/22/1991	06/09/1992	05/11/1993	05/12/1993	05/12/1993	05/11/1993
	Sample Time	12:40						
	Laboratory	QUAN	CEIM	CEIM	ENS	ENS	ENS	ENS
	Lab. Number	A7G180173005	910652-11	920291-13	0286000011SA	0286800007SA	0286800005SA	0286000009SA
Constituent	Units							
Dichloroethylene,1,2-	µg/l							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/l							
Methylene Chloride	µg/l							
Tetrachloroethylene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Vinyl Chloride	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SA-SW-07	SA-SW-08	SA-SW-08	SA-SW-10	SK-SW-01	SK-SW-01	SK-SW-02
	Sample ID	1639013	04013051293	1639015	1639010	02013112191	02013060892	02023112191
	Sample Date	07/17/1997	05/12/1993	07/17/1997	07/17/1997	11/22/1991	06/09/1992	11/22/1991
	Sample Time	13:05		13:30	12:09			
	Laboratory	QUAN	ENS	QUAN	QUAN	CEIM	CEIM	CEIM
	Lab. Number	A7G180173006	0286800003SA	A7G180173008	A7G180173003	910652-12	920291-07	910652-13
Constituent	Units							
Date Metals Analyzed	-	07/29/1997	05/24/1993	07/29/1997	07/29/1997			
Date Organics Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L		0.044			0.04	.03	0.03
Cadmium	mg/L							
Chromium	mg/L							
Chromium (Total)	mg/l							
Copper	mg/l							
Lead	mg/L							
Mercury	mg/L							
Potassium	mg/l					1.8	1.8	1.0
Selenium	mg/L							
Sodium	mg/l					22.1	14.5	13.6
Zinc	mg/L	0.0724		0.0220	0.0323	0.01		
Alkalinity as CaCO3	mg/l					62	51	12
Chloride	mg/l					11	11	24
Hardness as CaCO3	mg/l					45.2	55	22.7
Nitrate	mg/l						0.33	0.55
Orthophosphate	mg/l							
Specific Conductivity	µmhos					230	171	152
Sulfate	mg/l					10	9	13
Total Petroleum Hydrocarbons	mg/L							
Cresol,3-	µg/L							
Cresol,4-	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							82
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SA-SW-07	SA-SW-08	SA-SW-08	SA-SW-10	SK-SW-01	SK-SW-01	SK-SW-02
	Sample ID	1639013	04013051293	1639015	1639010	02013112191	02013060892	02023112191
	Sample Date	07/17/1997	05/12/1993	07/17/1997	07/17/1997	11/22/1991	06/09/1992	11/22/1991
	Sample Time	13:05		13:30	12:09			
	Laboratory	QUAN	ENS	QUAN	QUAN	CEIM	CEIM	CEIM
	Lab. Number	A7G180173006	0286800003SA	A7G180173008	A7G180173003	910652-12	920291-07	910652-13
Constituent	Units							
Dichloroethylene,1,2-	µg/l							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							310
Ethylbenzene	µg/l							
Methylene Chloride	µg/l							
Tetrachloroethylene	µg/L							280
Trichloroethane,1,1,1-	µg/L							48
Trichloroethylene	µg/L							220
Vinyl Chloride	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SW-02	SK-SW-02	SK-SW-03	SK-SW-03	SK-SW-03	SK-SW-03	SK-SW-04
	Sample ID	02023060892	02023051393	02033112191	02033060892	02013051293	1639008	02043112291
	Sample Date	06/09/1992	05/13/1993	11/22/1991	06/09/1992	05/12/1993	07/17/1997	11/22/1991
	Sample Time						11:40	
	Laboratory	CEIM	ENS	CEIM	CEIM	ENS	QUAN	CEIM
	Lab. Number	920291-08	0286960005SA	910652-14	920291-09	0286800009SA	A7G180173001	910658-14
Constituent	Units							
Date Metals Analyzed	-		05/26/1993			05/24/1993	07/29/1997	
Date Organics Analyzed	-		05/26/1993			05/25/1993	07/30/1997	
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L	.03	0.033	0.03	.03	0.034		0.02
Cadmium	mg/L							
Chromium	mg/L							
Chromium (Total)	mg/l							
Copper	mg/l							
Lead	mg/L							
Mercury	mg/L							
Potassium	mg/l	1.9		1.0	1.6			3.7
Selenium	mg/L							
Sodium	mg/l	16.1		8.4	11.6			8.3
Zinc	mg/L						0.0341 J	
Alkalinity as CaCO3	mg/l	16		11	9			22
Chloride	mg/l	26		10	15			19
Hardness as CaCO3	mg/l	28		22.2	24			37.1
Nitrate	mg/l	0.50		0.99	0.78			
Orthophosphate	mg/l							
Specific Conductivity	µmhos	171		116	118			148
Sulfate	mg/l	12		13	13			14
Total Petroleum Hydrocarbons	mg/L							
Cresol,3-	µg/L							
Cresol,4-	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L	46	14	11	8			
Dichloroethane,1,1-	µg/L	10	6.9					
Dichloroethylene,1,1-	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SW-02	SK-SW-02	SK-SW-03	SK-SW-03	SK-SW-03	SK-SW-03	SK-SW-04
	Sample ID	02023060892	02023051393	02033112191	02033060892	02013051293	1639008	02043112291
	Sample Date	06/09/1992	05/13/1993	11/22/1991	06/09/1992	05/12/1993	07/17/1997	11/22/1991
	Sample Time						11:40	
	Laboratory	CEIM	ENS	CEIM	CEIM	ENS	QUAN	CEIM
	Lab. Number	920291-08	0286960005SA	910652-14	920291-09	0286800009SA	A7G180173001	910658-14
Constituent	Units							
Dichloroethylene,1,2-	µg/l	260	270		49	50		
Dichloroethylene,1,2-cis-	µg/L						28	
Dichloroethylene,1,2-trans-	µg/L			56				
Ethylbenzene	µg/l		5.4					
Methylene Chloride	µg/l	5			6			
Tetrachloroethylene	µg/L	310	260	63	73	61	19	
Trichloroethane,1,1,1-	µg/L	54	35	9	10	7.6		
Trichloroethylene	µg/L	198	210	47	43	45	11	
Vinyl Chloride	µg/L	10						

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SW-04	SK-SW-04	SK-SW-05	SK-SW-06	SK-SW-07	SK-SW-07	SK-SW-07
	Sample ID	02043060892	02013051393	02033051393	02023051293	1017538	1018912	1639004
	Sample Date	06/09/1992	05/13/1993	05/13/1993	05/12/1993	08/21/1996	10/07/1996	07/17/1997
	Sample Time					10:40	12:12	10:38
	Laboratory	CEIM	ENS	ENS	ENS	AEL	AEL	QUAN
	Lab. Number	920291-10	0286960003SA	0286960007SA	0286800011SA	AEL96009323	AEL96011328	A7G180173038
Constituent	Units							
Date Metals Analyzed	-		05/26/1993	05/26/1993	05/24/1993	09/05/1996		07/29/1997
Date Organics Analyzed	-			05/25/1993		09/06/1996	10/10/1996	07/30/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L	.04	0.048	0.044	0.048	0.025		
Cadmium	mg/L					0.0018		
Chromium	mg/L							
Chromium (Total)	mg/l							
Copper	mg/l							
Lead	mg/L							0.0031
Mercury	mg/L							
Potassium	mg/l	3.4						
Selenium	mg/L							
Sodium	mg/l	18.1						
Zinc	mg/L					0.011		0.0544
Alkalinity as CaCO3	mg/l	34						
Chloride	mg/l	33						
Hardness as CaCO3	mg/l	70						
Nitrate	mg/l	2.09						
Orthophosphate	mg/l							
Specific Conductivity	µmhos	266						
Sulfate	mg/l	22						
Total Petroleum Hydrocarbons	mg/L							
Cresol,3-	µg/L							
Cresol,4-	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L			6.9			2.4	
Dichloroethane,1,1-	µg/L					3.0 oh	3.1	
Dichloroethylene,1,1-	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SW-04	SK-SW-04	SK-SW-05	SK-SW-06	SK-SW-07	SK-SW-07	SK-SW-07
	Sample ID	02043060892	02013051393	02033051393	02023051293	1017538	1018912	1639004
	Sample Date	06/09/1992	05/13/1993	05/13/1993	05/12/1993	08/21/1996	10/07/1996	07/17/1997
	Sample Time					10:40	12:12	10:38
	Laboratory	CEIM	ENS	ENS	ENS	AEL	AEL	QUAN
	Lab. Number	920291-10	0286960003SA	0286960007SA	0286800011SA	AEL96009323	AEL96011328	A7G180173038
Constituent	Units							
Dichloroethylene,1,2-	µg/l			150				
Dichloroethylene,1,2-cis-	µg/L					71 J11 oh	100	39
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/l							
Methylene Chloride	µg/l							
Tetrachloroethylene	µg/L			150		140 J11 oh	110	27
Trichloroethane,1,1,1-	µg/L			18		8.8 oh	7.8	
Trichloroethylene	µg/L			120		56 J11 oh	53	16
Vinyl Chloride	µg/L					4.8 oh	7.0	

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SW-07	SK-SW-08	SK-SW-08	SK-SW-08	SK-SW-09	SK-SW-09	SK-SW-09
	Sample ID	1639005	1017537	1018911	1639003	1017536	1018910	1639002
	Sample Date	07/17/1997	08/21/1996	10/07/1996	07/17/1997	08/21/1996	10/07/1996	07/17/1997
	Sample Time	10:48	10:30	12:07	10:25	10:15	11:52	10:10
	Laboratory	QUAN	AEL	AEL	QUAN	AEL	AEL	QUAN
	Lab. Number	A7G180173039	AEL96009322	AEL96011327	A7G180173037	AEL96009321	AEL96011326	A7G180173036
Constituent	Units							
Date Metals Analyzed	-	07/29/1997	09/05/1996		07/30/1997	09/05/1996		
Date Organics Analyzed	-	07/30/1997	08/26/1996	10/10/1996	07/30/1997	08/26/1996	10/10/1996	07/30/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L				0.0189			
Barium	mg/L		0.027		0.209	0.032		
Cadmium	mg/L		0.0019		0.0391	0.0026		
Chromium	mg/L	0.0345			0.693			
Chromium (Total)	mg/l							
Copper	mg/l							
Lead	mg/L	0.0068			0.132			
Mercury	mg/L				0.00066			
Potassium	mg/l							
Selenium	mg/L				0.0134			
Sodium	mg/l							
Zinc	mg/L	0.105	0.017		0.151	0.016		
Alkalinity as CaCO3	mg/l							
Chloride	mg/l							
Hardness as CaCO3	mg/l							
Nitrate	mg/l							
Orthophosphate	mg/l							
Specific Conductivity	µmhos							
Sulfate	mg/l							
Total Petroleum Hydrocarbons	mg/L							
Cresol,3-	µg/L							
Cresol,4-	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L		5.6	3.9		8.9	6.9	
Dichloroethylene,1,1-	µg/L		1.4			1.9	1.5	

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SW-07	SK-SW-08	SK-SW-08	SK-SW-08	SK-SW-09	SK-SW-09	SK-SW-09
	Sample ID	1639005	1017537	1018911	1639003	1017536	1018910	1639002
	Sample Date	07/17/1997	08/21/1996	10/07/1996	07/17/1997	08/21/1996	10/07/1996	07/17/1997
	Sample Time	10:48	10:30	12:07	10:25	10:15	11:52	10:10
	Laboratory	QUAN	AEL	AEL	QUAN	AEL	AEL	QUAN
	Lab. Number	A7G180173039	AEL96009322	AEL96011327	A7G180173037	AEL96009321	AEL96011326	A7G180173036
Constituent	Units							
Dichloroethylene,1,2-	µg/l							
Dichloroethylene,1,2-cis-	µg/L	52	180 J11	110	73	750 J11	200	140
Dichloroethylene,1,2-trans-	µg/L						1.2	
Ethylbenzene	µg/l							
Methylene Chloride	µg/l							
Tetrachloroethylene	µg/L	41	360 J11	150	66	1500 J11	270	150
Trichloroethane,1,1,1-	µg/L		10	9.8		17	17 J11	
Trichloroethylene	µg/L	23	130	67	35	550 J11	130	71
Vinyl Chloride	µg/L		13	9.1		27	18 J11	

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SW-10	SK-SW-10	SK-SW-10	SK-SW-11	SK-SW-11	SK-SW-11	SK-SW-12
	Sample ID	1017535	1018909	1639001	1017534	1018908	1639000	1632998
	Sample Date	08/21/1996	10/07/1996	07/17/1997	08/21/1996	10/07/1996	07/17/1997	07/18/1997
	Sample Time	09:55	11:45	09:58	09:27	11:40	09:39	09:20
	Laboratory	AEL	AEL	QUAN	AEL	AEL	QUAN	QUAN
	Lab. Number	AEL96009320	AEL96011325	A7G180173035	AEL96009324	AEL96011324	A7G180173034	27G190109001
Constituent	Units							
Date Metals Analyzed	-	09/05/1996		07/29/1997	09/05/1996		07/29/1997	
Date Organics Analyzed	-	08/26/1996	10/10/1996	07/30/1997	09/06/1996	10/10/1996	07/30/1997	
Date Semi-volatile Organics Analyzed	-							08/07/1997
Arsenic	mg/L							
Barium	mg/L	0.036			0.036			
Cadmium	mg/L	0.0015						
Chromium	mg/L			0.184				
Chromium (Total)	mg/l							
Copper	mg/l							
Lead	mg/L			0.0133	0.0087			
Mercury	mg/L							
Potassium	mg/l							
Selenium	mg/L							
Sodium	mg/l							
Zinc	mg/L	0.020		0.0572	0.017		0.0305	
Alkalinity as CaCO3	mg/l							
Chloride	mg/l							
Hardness as CaCO3	mg/l							
Nitrate	mg/l							
Orthophosphate	mg/l							
Specific Conductivity	µmhos							
Sulfate	mg/l							
Total Petroleum Hydrocarbons	mg/L							
Cresol,3-	µg/L							120 # J
Cresol,4-	µg/L							120 # J
Chloroethane	µg/L				2.2 oh	3.0		
Chloroform	µg/L		1.2		6.2 oh	3.6		
Dichloroethane,1,1-	µg/L	7.8	6.5		11 oh	23		
Dichloroethylene,1,1-	µg/L	1.1				1.2		

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SW-10	SK-SW-10	SK-SW-10	SK-SW-11	SK-SW-11	SK-SW-11	SK-SW-12
	Sample ID	1017535	1018909	1639001	1017534	1018908	1639000	1632998
	Sample Date	08/21/1996	10/07/1996	07/17/1997	08/21/1996	10/07/1996	07/17/1997	07/18/1997
	Sample Time	09:55	11:45	09:58	09:27	11:40	09:39	09:20
	Laboratory	AEL	AEL	QUAN	AEL	AEL	QUAN	QUAN
	Lab. Number	AEL96009320	AEL96011325	A7G180173035	AEL96009324	AEL96011324	A7G180173034	27G190109001
Constituent	Units							
Dichloroethylene,1,2-	µg/l							
Dichloroethylene,1,2-cis-	µg/L	350	63	50	100 J11 oh	100	55	
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/l							
Methylene Chloride	µg/l							
Tetrachloroethylene	µg/L	1400 J11	130	110	260 J11 oh	130	41	
Trichloroethane,1,1,1-	µg/L	7.9	5.0		6.9 oh	6.3		
Trichloroethylene	µg/L	70	46	30	160 J11 oh	120	29	
Vinyl Chloride	µg/L	8.5	5.8		3.1 oh	7.3		

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SW-12	SK-SW-12	SK-SW-13	SK-SW-13	SK-SW-14	SK-SW-16	SK-SW-17
	Sample ID	1632998	1632999	1633000	1633000	1633001	1639006	1639007
	Sample Date	07/18/1997	07/18/1997	07/18/1997	07/18/1997	07/18/1997	07/17/1997	07/17/1997
	Sample Time	09:20	09:35	09:50	09:50	10:10	10:53	11:20
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A7G190109001	A7G190109002	27G190109003	A7G190109003	A7G190109004	A7G180173040	A7G180173022
Constituent	Units							
Date Metals Analyzed	-						07/29/1997	
Date Organics Analyzed	-						07/30/1997	07/30/1997
Date Semi-volatile Organics Analyzed	-			08/08/1997				
Arsenic	mg/L							
Barium	mg/L							
Cadmium	mg/L							
Chromium	mg/L							
Chromium (Total)	mg/l							
Copper	mg/l							
Lead	mg/L							
Mercury	mg/L							
Potassium	mg/l							
Selenium	mg/L							
Sodium	mg/l							
Zinc	mg/L						0.0547	
Alkalinity as CaCO3	mg/l							
Chloride	mg/l							
Hardness as CaCO3	mg/l							
Nitrate	mg/l							
Orthophosphate	mg/l							
Specific Conductivity	µmhos							
Sulfate	mg/l							
Total Petroleum Hydrocarbons	mg/L	6.2 J	13 J		4.9 J	1.2 J		
Cresol,3-	µg/L			100 # J				
Cresol,4-	µg/L			100 # J				
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 4

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SUMMARY OF CONSTITUENTS DETECTED IN SURFACE WATER
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SW-12	SK-SW-12	SK-SW-13	SK-SW-13	SK-SW-14	SK-SW-16	SK-SW-17
	Sample ID	1632998	1632999	1633000	1633000	1633001	1639006	1639007
	Sample Date	07/18/1997	07/18/1997	07/18/1997	07/18/1997	07/18/1997	07/17/1997	07/17/1997
	Sample Time	09:20	09:35	09:50	09:50	10:10	10:53	11:20
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A7G190109001	A7G190109002	27G190109003	A7G190109003	A7G190109004	A7G180173040	A7G180173022
Constituent	Units							
Dichloroethylene,1,2-	µg/l							
Dichloroethylene,1,2-cis-	µg/L						34	49
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/l							
Methylene Chloride	µg/l							
Tetrachloroethylene	µg/L						26	33
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							19
Vinyl Chloride	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 6

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NA-SD-01	NA-SD-01	NA-SD-01	NA-SD-02	NA-SD-02	NA-SD-03	NA-SD-03
	Sample ID	03024051193	03024051193	03024051193	03014051193	03014051193	03034051193	03034051193
	Sample Date	05/11/1993	05/11/1993	05/11/1993	05/11/1993	05/11/1993	05/11/1993	05/11/1993
	Sample Time							
	Laboratory	ENS	ENS	ENS	ENS	ENS	ENS	ENS
	Lab. Number	0286000006DU	0286000006SA	0290040003SA	0286000004SA	0290040002SA	0286000007SA	0290040004SA
Constituent	Units							
Date Metals Analyzed	-	05/25/1993	05/23/1993		05/23/1993		05/25/1993	
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Pesticides/Herbicides Analyzed	-						05/28/1993	
Date Semi-volatile Organics Analyzed	-		05/24/1993					
Date of Metals TCLP Analysis	-			06/16/1993		06/16/1993		06/17/1993
Arsenic	mg/kg	0.81	1.3		3.2		3.7	
Barium	mg/kg	23.4	16.6		15.2		24.3	
Barium (TCLP)	mg/l							
Beryllium	mg/kg		0.15		0.23		0.28	
Cadmium	mg/kg		0.24		0.72		0.033	
Cadmium (TCLP)	mg/l							
Chromium	mg/kg							
Chromium (Total)	mg/kg	11.0	8.4		7.2		10.9	
Chromium (Total) (TCLP)	mg/l							
Copper	mg/kg							
Lead	mg/kg	49.4	41.3		48.0		33.8	
Lead (TCLP)	mg/l			0.16				0.050
Mercury	mg/kg							
Nickel	mg/kg	7.1	6.7		8.9		11.3	
Nickel (TCLP)	mg/l							
Silver	mg/kg		0.16		0.21		0.28	
Zinc	mg/kg	62.5	49.0		281		79.9	
Zinc (TCLP)	mg/l					2.2		
PCB 1254	µg/kg							
PCB 1260	µg/kg							
BHC,gamma-	µg/kg							
Chlordane	µg/kg							
DDD,p,p'-	µg/kg						220	

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 6

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NA-SD-01	NA-SD-01	NA-SD-01	NA-SD-02	NA-SD-02	NA-SD-03	NA-SD-03
	Sample ID	03024051193	03024051193	03024051193	03014051193	03014051193	03034051193	03034051193
	Sample Date	05/11/1993	05/11/1993	05/11/1993	05/11/1993	05/11/1993	05/11/1993	05/11/1993
	Sample Time							
	Laboratory	ENS	ENS	ENS	ENS	ENS	ENS	ENS
	Lab. Number	0286000006DU	0286000006SA	0290040003SA	0286000004SA	0290040002SA	0286000007SA	0290040004SA
Constituent	Units							
DDE,p,p'-	µg/kg							
DDT,p,p'-	µg/kg							
Heptachlor	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg		3200					
Chrysene	µg/kg							
Fluoranthene	µg/kg		6800					
Phenanthrene	µg/kg		6100					
Pyrene	µg/kg		5200					
Acetone	µg/kg							
Carbon Disulfide	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Ethylbenzene	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methylene Chloride	µg/kg							
Tetrachloroethylene	µg/kg							
Toluene	µg/kg							
Trichloroethane,1,1,1-	µg/kg							
Trichloroethylene	µg/kg							
Vinyl Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 6

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NA-SD-04	NA-SD-04	NK-SD-01	NK-SD-01	NK-SD-01	NK-SD-01	NK-SD-01
	Sample ID	03044051193	03044051193	01014112291	01014060992	01014051393	01014051393	1638979
	Sample Date	05/11/1993	05/11/1993	11/23/1991	06/10/1992	05/13/1993	05/13/1993	07/17/1997
	Sample Time							09:12
	Laboratory	ENS	ENS	CEIM	CEIM	ENS	ENS	QUAN
	Lab. Number	0286000008SA	0290040005SA	910658-05	920296-03	0286960010SA	0290040021SA	A7G180173023
Constituent	Units							
Date Metals Analyzed	-	05/25/1993				05/26/1993		07/29/1997
Date Organics Analyzed	-							07/29/1997
Date PCBs Analyzed	-					05/24/1993		
Date Pesticides/Herbicides Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Date of Metals TCLP Analysis	-		06/17/1993				06/15/1993	
Arsenic	mg/kg	4.5			2	1.1		3.1
Barium	mg/kg	63.1		19	35	39.3		72.9
Barium (TCLP)	mg/l		1.1					
Beryllium	mg/kg	0.75				0.44		
Cadmium	mg/kg	1.2						1.2
Cadmium (TCLP)	mg/l							
Chromium	mg/kg							20.8
Chromium (Total)	mg/kg	43.8		14	18	16.1		
Chromium (Total) (TCLP)	mg/l							
Copper	mg/kg			7	13			
Lead	mg/kg	334		25	5	22.7		39.5
Lead (TCLP)	mg/l		0.19					
Mercury	mg/kg	0.59		0.7		0.25		
Nickel	mg/kg	38.1			11	13.8		
Nickel (TCLP)	mg/l						0.043	
Silver	mg/kg	1.4						
Zinc	mg/kg	385		26	34	87.6		98.5 EB
Zinc (TCLP)	mg/l		1.8					
PCB 1254	µg/kg					130		
PCB 1260	µg/kg							
BHC,gamma-	µg/kg							
Chlordane	µg/kg							
DDD,p,p'-	µg/kg			59	110			

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 6

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NA-SD-04	NA-SD-04	NK-SD-01	NK-SD-01	NK-SD-01	NK-SD-01	NK-SD-01
	Sample ID	03044051193	03044051193	01014112291	01014060992	01014051393	01014051393	1638979
	Sample Date	05/11/1993	05/11/1993	11/23/1991	06/10/1992	05/13/1993	05/13/1993	07/17/1997
	Sample Time							09:12
	Laboratory	ENS	ENS	CEIM	CEIM	ENS	ENS	QUAN
	Lab. Number	0286000008SA	0290040005SA	910658-05	920296-03	0286960010SA	0290040021SA	A7G180173023
Constituent	Units							
DDE,p,p'-	µg/kg				27			
DDT,p,p'-	µg/kg				53			
Heptachlor	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Chrysene	µg/kg							
Fluoranthene	µg/kg							
Phenanthrene	µg/kg							
Pyrene	µg/kg							
Acetone	µg/kg							99 J
Carbon Disulfide	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Ethylbenzene	µg/kg							
Methyl Ethyl Ketone	µg/kg							29 J
Methylene Chloride	µg/kg							19
Tetrachloroethylene	µg/kg							
Toluene	µg/kg							
Trichloroethane,1,1,1-	µg/kg							
Trichloroethylene	µg/kg							
Vinyl Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 6

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NK-SD-02	NK-SD-02	NK-SD-03	NK-SD-03	NK-SD-04	NK-SD-07	NK-SD-08
	Sample ID	01034051393	01044051393	01024051393	01024051393	01014060393	01044060393	01054060393
	Sample Date	05/13/1993	05/13/1993	05/13/1993	05/13/1993	06/03/1993	06/03/1993	06/03/1993
	Sample Time							
	Laboratory	ENS	ENS	ENS	ENS	ENS	ENS	ENS
	Lab. Number	0286960014SA	0286960016SA	0286960012SA	0290040022SA	0289520001SA	0289520004SA	0289520005SA
Constituent	Units							
Date Metals Analyzed	-	05/26/1993	05/26/1993	05/26/1993				
Date Organics Analyzed	-		05/25/1993			06/09/1993		06/10/1993
Date PCBs Analyzed	-					06/14/1993		
Date Pesticides/Herbicides Analyzed	-	05/24/1993						
Date Semi-volatile Organics Analyzed	-						06/13/1993	
Date of Metals TCLP Analysis	-				06/15/1993			
Arsenic	mg/kg							
Barium	mg/kg	17.0	16.4	15.0				
Barium (TCLP)	mg/l							
Beryllium	mg/kg							
Cadmium	mg/kg							
Cadmium (TCLP)	mg/l							
Chromium	mg/kg							
Chromium (Total)	mg/kg	4.8	4.0	66.0				
Chromium (Total) (TCLP)	mg/l				0.060			
Copper	mg/kg							
Lead	mg/kg	10.9	6.8	5.8				
Lead (TCLP)	mg/l							
Mercury	mg/kg							
Nickel	mg/kg	6.7	5.3	5.5				
Nickel (TCLP)	mg/l							
Silver	mg/kg							
Zinc	mg/kg	29.4	28.3	27.0				
Zinc (TCLP)	mg/l							
PCB 1254	µg/kg					360		
PCB 1260	µg/kg							
BHC,gamma-	µg/kg							
Chlordane	µg/kg							
DDD,p,p'-	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NK-SD-02	NK-SD-02	NK-SD-03	NK-SD-03	NK-SD-04	NK-SD-07	NK-SD-08
	Sample ID	01034051393	01044051393	01024051393	01024051393	01014060393	01044060393	01054060393
	Sample Date	05/13/1993	05/13/1993	05/13/1993	05/13/1993	06/03/1993	06/03/1993	06/03/1993
	Sample Time							
	Laboratory	ENS	ENS	ENS	ENS	ENS	ENS	ENS
	Lab. Number	0286960014SA	0286960016SA	0286960012SA	0290040022SA	0289520001SA	0289520004SA	0289520005SA
Constituent	Units							
DDE,p,p'-	µg/kg							
DDT,p,p'-	µg/kg	4.3						
Heptachlor	µg/kg							
Benzo[a]anthracene	µg/kg						540	
Benzo[a]pyrene	µg/kg						430	
Benzo[b]fluoranthene	µg/kg						760	
Chrysene	µg/kg						520	
Fluoranthene	µg/kg						1300	
Phenanthrene	µg/kg						840	
Pyrene	µg/kg						840	
Acetone	µg/kg							24
Carbon Disulfide	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Ethylbenzene	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methylene Chloride	µg/kg					7.7		
Tetrachloroethylene	µg/kg							
Toluene	µg/kg							
Trichloroethane,1,1,1-	µg/kg		10					
Trichloroethylene	µg/kg							
Vinyl Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NK-SD-09	NK-SD-19	SA-SD-01	SA-SD-01	SA-SD-01	SA-SD-01	SA-SD-02
	Sample ID	01094070793	01104070793	04014112291	04014060992	1638992	1638995	02034051193
	Sample Date	07/07/1993	07/07/1993	11/23/1991	06/10/1992	07/17/1997	07/17/1997	05/11/1993
	Sample Time					12:45	13:35	
	Laboratory	ENS	ENS	CEIM	CEIM	QUAN	QUAN	ENS
	Lab. Number	0293190006SA	0293190001SA	910658-11	920296-05	A7G180173016	A7G180173019	0286000014SA
Constituent	Units							
Date Metals Analyzed	-	07/13/1993	07/13/1993			07/29/1997	07/29/1997	05/25/1993
Date Organics Analyzed	-					07/30/1997		
Date PCBs Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Date of Metals TCLP Analysis	-							
Arsenic	mg/kg			1	2	3.9		1.2
Barium	mg/kg			31	19	54.5		13.9
Barium (TCLP)	mg/l							
Beryllium	mg/kg	0.29	0.79					0.19
Cadmium	mg/kg			1	4	6.1		
Cadmium (TCLP)	mg/l							
Chromium	mg/kg					80.8	5.5	
Chromium (Total)	mg/kg	5.5		28	14			6.4
Chromium (Total) (TCLP)	mg/l							
Copper	mg/kg			30	9			
Lead	mg/kg			135	14	283	13.3	7.1
Lead (TCLP)	mg/l							
Mercury	mg/kg					0.78		
Nickel	mg/kg			19	13	111	5.6	6.9
Nickel (TCLP)	mg/l							
Silver	mg/kg					8.1		0.16
Zinc	mg/kg			73	21	234 EB	30.3 EB	108
Zinc (TCLP)	mg/l							
PCB 1254	µg/kg							
PCB 1260	µg/kg							
BHC,gamma-	µg/kg			71				
Chlordane	µg/kg							
DDD,p,p'-	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	NK-SD-09	NK-SD-19	SA-SD-01	SA-SD-01	SA-SD-01	SA-SD-01	SA-SD-02
	Sample ID	01094070793	01104070793	04014112291	04014060992	1638992	1638995	02034051193
	Sample Date	07/07/1993	07/07/1993	11/23/1991	06/10/1992	07/17/1997	07/17/1997	05/11/1993
	Sample Time					12:45	13:35	
	Laboratory	ENS	ENS	CEIM	CEIM	QUAN	QUAN	ENS
	Lab. Number	0293190006SA	0293190001SA	910658-11	920296-05	A7G180173016	A7G180173019	0286000014SA
Constituent	Units							
DDE,p,p'-	µg/kg							
DDT,p,p'-	µg/kg							
Heptachlor	µg/kg			11				
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Chrysene	µg/kg							
Fluoranthene	µg/kg							
Phenanthrene	µg/kg							
Pyrene	µg/kg							
Acetone	µg/kg					41 J		
Carbon Disulfide	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethylene,1,2-	µg/kg				14			
Dichloroethylene,1,2-cis-	µg/kg							
Ethylbenzene	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methylene Chloride	µg/kg					5.5 J		
Tetrachloroethylene	µg/kg							
Toluene	µg/kg					13		
Trichloroethane,1,1,1-	µg/kg							
Trichloroethylene	µg/kg							
Vinyl Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SA-SD-02	SA-SD-03	SA-SD-04	SA-SD-04	SA-SD-05	SA-SD-05	SA-SD-06
	Sample ID	1638994	02024051193	04034051293	1638989	04024051293	04024051293	02014051193
	Sample Date	07/17/1997	05/11/1993	05/12/1993	07/17/1997	05/12/1993	05/12/1993	05/11/1993
	Sample Time	13:15			11:55			
	Laboratory	QUAN	ENS	ENS	QUAN	ENS	ENS	ENS
	Lab. Number	A7G180173018	0286000012SA	0286800008SA	A7G180173013	0286800006SA	0290040013SA	0286000010SA
Constituent	Units							
Date Metals Analyzed	-	07/29/1997	05/25/1993	05/22/1993	07/29/1997	05/22/1993		05/25/1993
Date Organics Analyzed	-	07/30/1997						05/20/1993
Date PCBs Analyzed	-							
Date Pesticides/Herbicides Analyzed	-			05/25/1993		05/25/1993		
Date Semi-volatile Organics Analyzed	-							
Date of Metals TCLP Analysis	-						06/17/1993	
Arsenic	mg/kg	2.2	0.95	0.81		0.86		1.1
Barium	mg/kg		12.6	21.1		43.3		69.1
Barium (TCLP)	mg/l						0.34	
Beryllium	mg/kg		0.13	0.078		0.24		0.56
Cadmium	mg/kg			0.033		0.17		1.8
Cadmium (TCLP)	mg/l							
Chromium	mg/kg	7.7			4.2			
Chromium (Total)	mg/kg		6.1	12.7		8.3		36.6
Chromium (Total) (TCLP)	mg/l							
Copper	mg/kg							
Lead	mg/kg	18.4	6.4	18.5	15.2	23.1		41.7
Lead (TCLP)	mg/l							
Mercury	mg/kg							
Nickel	mg/kg	7.4	5.9	5.3	5.5	8.0		30.5
Nickel (TCLP)	mg/l							
Silver	mg/kg		0.0061	0.030		0.78		0.26
Zinc	mg/kg	30.6 EB	33.9	32.1	38.3 EB	61.7		247
Zinc (TCLP)	mg/l							
PCB 1254	µg/kg							
PCB 1260	µg/kg							
BHC,gamma-	µg/kg							
Chlordane	µg/kg			240		170		
DDD,p,p'-	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SA-SD-02	SA-SD-03	SA-SD-04	SA-SD-04	SA-SD-05	SA-SD-05	SA-SD-06
	Sample ID	1638994	02024051193	04034051293	1638989	04024051293	04024051293	02014051193
	Sample Date	07/17/1997	05/11/1993	05/12/1993	07/17/1997	05/12/1993	05/12/1993	05/11/1993
	Sample Time	13:15			11:55			
	Laboratory	QUAN	ENS	ENS	QUAN	ENS	ENS	ENS
	Lab. Number	A7G180173018	0286000012SA	0286800008SA	A7G180173013	0286800006SA	0290040013SA	0286000010SA
Constituent	Units							
DDE,p,p'-	µg/kg							
DDT,p,p'-	µg/kg							
Heptachlor	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Chrysene	µg/kg							
Fluoranthene	µg/kg							
Phenanthrene	µg/kg							
Pyrene	µg/kg							
Acetone	µg/kg							99
Carbon Disulfide	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Ethylbenzene	µg/kg							
Methyl Ethyl Ketone	µg/kg							23
Methylene Chloride	µg/kg							
Tetrachloroethylene	µg/kg							
Toluene	µg/kg	6.3 J						
Trichloroethane,1,1,1-	µg/kg							
Trichloroethylene	µg/kg							
Vinyl Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SA-SD-06	SA-SD-06	SA-SD-07	SA-SD-08	SA-SD-09	SK-SD-01	SK-SD-01
	Sample ID	02014051193	1638993	04014051293	1638991	1638990	02014112291	02014060992
	Sample Date	05/11/1993	07/17/1997	05/12/1993	07/17/1997	07/17/1997	11/23/1991	06/10/1992
	Sample Time		13:00		12:25	12:10		
	Laboratory	ENS	QUAN	ENS	QUAN	QUAN	CEIM	CEIM
	Lab. Number	0290040006SA	A7G180173017	0286800004SA	A7G180173015	A7G180173014	910658-12	920296-06
Constituent	Units							
Date Metals Analyzed	-		07/29/1997	05/22/1993	07/29/1997	07/29/1997		
Date Organics Analyzed	-				07/30/1997	07/31/1997		
Date PCBs Analyzed	-							
Date Pesticides/Herbicides Analyzed	-			05/25/1993				
Date Semi-volatile Organics Analyzed	-							
Date of Metals TCLP Analysis	-	06/17/1993						
Arsenic	mg/kg		2.4	1.6				3
Barium	mg/kg		28.4	28.4	23.2	45.7	19	35
Barium (TCLP)	mg/l	1.1						
Beryllium	mg/kg			0.13				
Cadmium	mg/kg		0.30	0.053		0.41	3	
Cadmium (TCLP)	mg/l							
Chromium	mg/kg		8.4		4.8	6.9		
Chromium (Total)	mg/kg			9.3			27	29
Chromium (Total) (TCLP)	mg/l							
Copper	mg/kg						8	29
Lead	mg/kg		35.0	19.4	11.7	27.4	12	57
Lead (TCLP)	mg/l	0.075						
Mercury	mg/kg							
Nickel	mg/kg		9.1	9.4		6.9	10	29
Nickel (TCLP)	mg/l	0.057						
Silver	mg/kg							
Zinc	mg/kg		67.1 EB	52.5	30.0 EB	61.1 EB	20	99
Zinc (TCLP)	mg/l	2.6						
PCB 1254	µg/kg						240	
PCB 1260	µg/kg							
BHC,gamma-	µg/kg							
Chlordane	µg/kg			140				
DDD,p,p'-	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SA-SD-06	SA-SD-06	SA-SD-07	SA-SD-08	SA-SD-09	SK-SD-01	SK-SD-01
	Sample ID	02014051193	1638993	04014051293	1638991	1638990	02014112291	02014060992
	Sample Date	05/11/1993	07/17/1997	05/12/1993	07/17/1997	07/17/1997	11/23/1991	06/10/1992
	Sample Time		13:00		12:25	12:10		
	Laboratory	ENS	QUAN	ENS	QUAN	QUAN	CEIM	CEIM
	Lab. Number	0290040006SA	A7G180173017	0286800004SA	A7G180173015	A7G180173014	910658-12	920296-06
Constituent	Units							
DDE,p,p'-	µg/kg							
DDT,p,p'-	µg/kg			34				
Heptachlor	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Chrysene	µg/kg							
Fluoranthene	µg/kg							
Phenanthrene	µg/kg							
Pyrene	µg/kg							
Acetone	µg/kg				10 J	90 J		
Carbon Disulfide	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Ethylbenzene	µg/kg							
Methyl Ethyl Ketone	µg/kg					28 J		
Methylene Chloride	µg/kg							
Tetrachloroethylene	µg/kg						120	
Toluene	µg/kg							
Trichloroethane,1,1,1-	µg/kg							
Trichloroethylene	µg/kg							
Vinyl Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SD-01	SK-SD-01	SK-SD-02	SK-SD-02	SK-SD-02	SK-SD-02	SK-SD-02
	Sample ID	02024051393	02024051393	02024112291	02024060992	02014051293	02014051293	1638988
	Sample Date	05/13/1993	05/13/1993	11/23/1991	06/10/1992	05/12/1993	05/12/1993	07/17/1997
	Sample Time							11:45
	Laboratory	ENS	ENS	CEIM	CEIM	ENS	ENS	QUAN
	Lab. Number	0286960006SA	0290040019SA	910658-13	920296-07	0286800010SA	0290040015SA	A7G180173012
Constituent	Units							
Date Metals Analyzed	-	05/26/1993				05/22/1993		07/29/1997
Date Organics Analyzed	-	05/27/1993				05/25/1993		07/30/1997
Date PCBs Analyzed	-	05/24/1993						
Date Pesticides/Herbicides Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Date of Metals TCLP Analysis	-		06/17/1993				06/17/1993	
Arsenic	mg/kg	1.4		3	2	4.1		
Barium	mg/kg	29.2		17	13	116		
Barium (TCLP)	mg/l						0.57	
Beryllium	mg/kg	0.42				1.2		
Cadmium	mg/kg	10.5		4		21.7		8.8
Cadmium (TCLP)	mg/l		0.067				0.038	
Chromium	mg/kg							26.8
Chromium (Total)	mg/kg	104		5	8	53.7		
Chromium (Total) (TCLP)	mg/l		0.033					
Copper	mg/kg			10	5			
Lead	mg/kg	37.7		44	4	198		60.1
Lead (TCLP)	mg/l							
Mercury	mg/kg							
Nickel	mg/kg	20.9			12	33.6		
Nickel (TCLP)	mg/l		0.065				0.053	
Silver	mg/kg							
Zinc	mg/kg	28.1		20	12	140		81.6 L J
Zinc (TCLP)	mg/l						0.36	
PCB 1254	µg/kg	1800						
PCB 1260	µg/kg							
BHC,gamma-	µg/kg							
Chlordane	µg/kg							
DDD,p,p'-	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SD-01	SK-SD-01	SK-SD-02	SK-SD-02	SK-SD-02	SK-SD-02	SK-SD-02
	Sample ID	02024051393	02024051393	02024112291	02024060992	02014051293	02014051293	1638988
	Sample Date	05/13/1993	05/13/1993	11/23/1991	06/10/1992	05/12/1993	05/12/1993	07/17/1997
	Sample Time							11:45
	Laboratory	ENS	ENS	CEIM	CEIM	ENS	ENS	QUAN
	Lab. Number	0286960006SA	0290040019SA	910658-13	920296-07	0286800010SA	0290040015SA	A7G180173012
Constituent	Units							
DDE,p,p'-	µg/kg			32				
DDT,p,p'-	µg/kg							
Heptachlor	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Chrysene	µg/kg							
Fluoranthene	µg/kg							
Phenanthrene	µg/kg							
Pyrene	µg/kg							
Acetone	µg/kg	250				410		150 J
Carbon Disulfide	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Ethylbenzene	µg/kg	40						
Methyl Ethyl Ketone	µg/kg	71			67	110		43 J
Methylene Chloride	µg/kg							
Tetrachloroethylene	µg/kg							
Toluene	µg/kg							
Trichloroethane,1,1,1-	µg/kg					40		
Trichloroethylene	µg/kg							
Vinyl Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SD-03	SK-SD-04	SK-SD-04	SK-SD-05	SK-SD-06	SK-SD-06	SK-SD-07
	Sample ID	02034051393	02014051393	1638996	02024051293	02018052893	02015060793	1017529
	Sample Date	05/13/1993	05/13/1993	07/17/1997	05/12/1993	05/28/1993	06/07/1993	08/21/1996
	Sample Time			13:50		:		10:48
	Laboratory	ENS	ENS	QUAN	ENS	ENS	ENS	AEL
	Lab. Number	0286960008SA	0286960004SA	A7G180173020	0286800012SA	0289000006SA	0289840001SA	AEL96009333
Constituent	Units							
Date Metals Analyzed	-	05/26/1993	05/26/1993	07/29/1997	05/22/1993		06/16/1993	09/04/1996
Date Organics Analyzed	-	05/21/1993		07/29/1997	05/21/1993	06/08/1993		08/30/1996
Date PCBs Analyzed	-							09/05/1996
Date Pesticides/Herbicides Analyzed	-							
Date Semi-volatile Organics Analyzed	-				05/24/1993			
Date of Metals TCLP Analysis	-							
Arsenic	mg/kg						1.7	
Barium	mg/kg	19.7	11.2		24.5		18.8	61.4
Barium (TCLP)	mg/l							
Beryllium	mg/kg				0.017			
Cadmium	mg/kg							20.3
Cadmium (TCLP)	mg/l							
Chromium	mg/kg			4.0				436
Chromium (Total)	mg/kg	7.8	2.6		3.6		11.0	
Chromium (Total) (TCLP)	mg/l							
Copper	mg/kg							
Lead	mg/kg	24.1	26.5	10.1	8.0		33.8	
Lead (TCLP)	mg/l							
Mercury	mg/kg							
Nickel	mg/kg	7.0			4.5		7.7	
Nickel (TCLP)	mg/l							
Silver	mg/kg							
Zinc	mg/kg	41.3	16.1	25.3 EB	19.2		26.5	81
Zinc (TCLP)	mg/l							
PCB 1254	µg/kg							1520 XC
PCB 1260	µg/kg							1520 XC
BHC,gamma-	µg/kg							
Chlordane	µg/kg							
DDD,p,p'-	µg/kg							

Notes: 1. Only Detects Shown
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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SD-03	SK-SD-04	SK-SD-04	SK-SD-05	SK-SD-06	SK-SD-06	SK-SD-07
	Sample ID	02034051393	02014051393	1638996	02024051293	02018052893	02015060793	1017529
	Sample Date	05/13/1993	05/13/1993	07/17/1997	05/12/1993	05/28/1993	06/07/1993	08/21/1996
	Sample Time			13:50		:		10:48
	Laboratory	ENS	ENS	QUAN	ENS	ENS	ENS	AEL
	Lab. Number	0286960008SA	0286960004SA	A7G180173020	0286800012SA	0289000006SA	0289840001SA	AEL96009333
Constituent	Units							
DDE,p,p'-	µg/kg							
DDT,p,p'-	µg/kg							
Heptachlor	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Chrysene	µg/kg							
Fluoranthene	µg/kg				580			
Phenanthrene	µg/kg							
Pyrene	µg/kg				460			
Acetone	µg/kg	26						
Carbon Disulfide	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Ethylbenzene	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methylene Chloride	µg/kg			8.9	7.2	1400		
Tetrachloroethylene	µg/kg					1800		29
Toluene	µg/kg							
Trichloroethane,1,1,1-	µg/kg							
Trichloroethylene	µg/kg							
Vinyl Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SD-07	SK-SD-07	SK-SD-08	SK-SD-08	SK-SD-09	SK-SD-09	SK-SD-10
	Sample ID	1638984	1638985	1017528	1638983	1017527	1638982	1017526
	Sample Date	07/17/1997	07/17/1997	08/21/1996	07/17/1997	08/21/1996	07/17/1997	08/21/1996
	Sample Time	10:40	10:50	10:23	10:30	10:20	10:12	10:10
	Laboratory	QUAN	QUAN	AEL	QUAN	AEL	QUAN	AEL
	Lab. Number	A7G180173028	A7G180173029	AEL96009332	A7G180173027	AEL96009331	A7G180173026	AEL96009330
Constituent	Units							
Date Metals Analyzed	-	07/30/1997	07/29/1997	09/04/1996	07/29/1997	09/04/1996	07/29/1997	09/04/1996
Date Organics Analyzed	-	07/29/1997	07/30/1997	08/30/1996	07/29/1997	08/30/1996	07/29/1997	08/30/1996
Date PCBs Analyzed	-	07/30/1997						
Date Pesticides/Herbicides Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Date of Metals TCLP Analysis	-							
Arsenic	mg/kg	2.8		7.47				
Barium	mg/kg			92.5		13.5		35.7
Barium (TCLP)	mg/l							
Beryllium	mg/kg							
Cadmium	mg/kg	1.5	1.5	33.6	10.9		2.3	
Cadmium (TCLP)	mg/l							
Chromium	mg/kg	79.3	69.6	320	255	11.3	18.4	113
Chromium (Total)	mg/kg							
Chromium (Total) (TCLP)	mg/l							
Copper	mg/kg							
Lead	mg/kg	27.3	18.0		44.9		5.4	
Lead (TCLP)	mg/l							
Mercury	mg/kg							
Nickel	mg/kg						7.9	
Nickel (TCLP)	mg/l							
Silver	mg/kg							
Zinc	mg/kg			99.2		15.5	123 EB	45.3
Zinc (TCLP)	mg/l							
PCB 1254	µg/kg							
PCB 1260	µg/kg	90						
BHC,gamma-	µg/kg							
Chlordane	µg/kg							
DDD,p,p'-	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 6

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SD-07	SK-SD-07	SK-SD-08	SK-SD-08	SK-SD-09	SK-SD-09	SK-SD-10
	Sample ID	1638984	1638985	1017528	1638983	1017527	1638982	1017526
	Sample Date	07/17/1997	07/17/1997	08/21/1996	07/17/1997	08/21/1996	07/17/1997	08/21/1996
	Sample Time	10:40	10:50	10:23	10:30	10:20	10:12	10:10
	Laboratory	QUAN	QUAN	AEL	QUAN	AEL	QUAN	AEL
	Lab. Number	A7G180173028	A7G180173029	AEL96009332	A7G180173027	AEL96009331	A7G180173026	AEL96009330
Constituent	Units							
DDE,p,p'-	µg/kg							
DDT,p,p'-	µg/kg							
Heptachlor	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Chrysene	µg/kg							
Fluoranthene	µg/kg							
Phenanthrene	µg/kg							
Pyrene	µg/kg							
Acetone	µg/kg							
Carbon Disulfide	µg/kg							
Dichloroethane,1,1-	µg/kg							22
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg	120 J	7.5 J	550		63	7.5 J	71
Ethylbenzene	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methylene Chloride	µg/kg	8.2 J J			23 J			
Tetrachloroethylene	µg/kg	250 J	19	4100	91	190 J11		
Toluene	µg/kg							17
Trichloroethane,1,1,1-	µg/kg							
Trichloroethylene	µg/kg	47 J	5.7 J	530	21 J	45		
Vinyl Chloride	µg/kg							46

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SD-10	SK-SD-11	SK-SD-11	SK-SD-12	SK-SD-12	SK-SD-13	SK-SD-14
	Sample ID	1638981	1017525	1638980	1017531	1017543	1017530	1017532
	Sample Date	07/17/1997	08/21/1996	07/17/1997	08/21/1996	08/21/1996	08/21/1996	08/21/1996
	Sample Time	10:00	09:40	09:40	11:15	11:30	11:10	11:22
	Laboratory	QUAN	AEL	QUAN	AEL	AEL	AEL	AEL
	Lab. Number	A7G180173025	AEL96009329	A7G180173024	AEL96009335	AEL96009338	AEL96009334	AEL96009336
Constituent	Units							
Date Metals Analyzed	-	07/29/1997	09/04/1996	07/29/1997	09/04/1996	09/04/1996	09/04/1996	09/04/1996
Date Organics Analyzed	-	07/29/1997	08/30/1996	07/29/1997	08/30/1996			
Date PCBs Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Date of Metals TCLP Analysis	-							
Arsenic	mg/kg							
Barium	mg/kg		14		50.6	34.4	15.3	133
Barium (TCLP)	mg/l							
Beryllium	mg/kg							
Cadmium	mg/kg	0.89		19.4				
Cadmium (TCLP)	mg/l							
Chromium	mg/kg	15.0	7.19	414	18.5	9.4	7.85	
Chromium (Total)	mg/kg							
Chromium (Total) (TCLP)	mg/l							
Copper	mg/kg							
Lead	mg/kg	3.5		66.7	71.1			
Lead (TCLP)	mg/l							
Mercury	mg/kg			0.71				
Nickel	mg/kg			40.4				
Nickel (TCLP)	mg/l							
Silver	mg/kg							
Zinc	mg/kg		23.2	102 EB	98.8	33.6	15.4	88
Zinc (TCLP)	mg/l							
PCB 1254	µg/kg							
PCB 1260	µg/kg							
BHC,gamma-	µg/kg							
Chlordane	µg/kg							
DDD,p,p'-	µg/kg							

Notes: 1. Only Detects Shown
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Table 6

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SD-10	SK-SD-11	SK-SD-11	SK-SD-12	SK-SD-12	SK-SD-13	SK-SD-14
	Sample ID	1638981	1017525	1638980	1017531	1017543	1017530	1017532
	Sample Date	07/17/1997	08/21/1996	07/17/1997	08/21/1996	08/21/1996	08/21/1996	08/21/1996
	Sample Time	10:00	09:40	09:40	11:15	11:30	11:10	11:22
	Laboratory	QUAN	AEL	QUAN	AEL	AEL	AEL	AEL
	Lab. Number	A7G180173025	AEL96009329	A7G180173024	AEL96009335	AEL96009338	AEL96009334	AEL96009336
Constituent	Units							
DDE,p,p'-	µg/kg							
DDT,p,p'-	µg/kg							
Heptachlor	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Chrysene	µg/kg							
Fluoranthene	µg/kg							
Phenanthrene	µg/kg							
Pyrene	µg/kg							
Acetone	µg/kg			71 J				
Carbon Disulfide	µg/kg				97			
Dichloroethane,1,1-	µg/kg	3.5 J		12 J				
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg		41					
Ethylbenzene	µg/kg							
Methyl Ethyl Ketone	µg/kg				53			
Methylene Chloride	µg/kg	9.6		31				
Tetrachloroethylene	µg/kg							
Toluene	µg/kg	7.7 J		25				
Trichloroethane,1,1,1-	µg/kg							
Trichloroethylene	µg/kg							
Vinyl Chloride	µg/kg		13					

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SD-15	SK-SD-16	SK-SD-17				
	Sample ID	1017533	1638986	1638987				
	Sample Date	08/21/1996	07/17/1997	07/17/1997				
	Sample Time	11:26	11:00	11:25				
	Laboratory	AEL	QUAN	QUAN				
	Lab. Number	AEL96009337	A7G180173030	A7G180173031				
Constituent	Units							
Date Metals Analyzed	-	09/04/1996	07/29/1997	07/29/1997				
Date Organics Analyzed	-		07/30/1997	07/31/1997				
Date PCBs Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Date of Metals TCLP Analysis	-							
Arsenic	mg/kg							
Barium	mg/kg	10.8		47.3				
Barium (TCLP)	mg/l							
Beryllium	mg/kg							
Cadmium	mg/kg		1.5	11.7				
Cadmium (TCLP)	mg/l							
Chromium	mg/kg		118	62.4				
Chromium (Total)	mg/kg							
Chromium (Total) (TCLP)	mg/l							
Copper	mg/kg							
Lead	mg/kg		32.5	30.3				
Lead (TCLP)	mg/l							
Mercury	mg/kg							
Nickel	mg/kg			14.3				
Nickel (TCLP)	mg/l							
Silver	mg/kg							
Zinc	mg/kg	12		49.3 EB				
Zinc (TCLP)	mg/l							
PCB 1254	µg/kg							
PCB 1260	µg/kg							
BHC,gamma-	µg/kg							
Chlordane	µg/kg							
DDD,p,p'-	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 05/26/98

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Table 6

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SUMMARY OF CONSTITUENTS DETECTED IN SEDIMENT

Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut

	Location ID	SK-SD-15	SK-SD-16	SK-SD-17				
	Sample ID	1017533	1638986	1638987				
	Sample Date	08/21/1996	07/17/1997	07/17/1997				
	Sample Time	11:26	11:00	11:25				
	Laboratory	AEL	QUAN	QUAN				
	Lab. Number	AEL96009337	A7G180173030	A7G180173031				
Constituent	Units							
DDE,p,p'-	µg/kg							
DDT,p,p'-	µg/kg							
Heptachlor	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Chrysene	µg/kg							
Fluoranthene	µg/kg							
Phenanthrene	µg/kg							
Pyrene	µg/kg							
Acetone	µg/kg			32 J				
Carbon Disulfide	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethylene,1,2-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg		110					
Ethylbenzene	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methylene Chloride	µg/kg							
Tetrachloroethylene	µg/kg		460					
Toluene	µg/kg							
Trichloroethane,1,1,1-	µg/kg							
Trichloroethylene	µg/kg		120					
Vinyl Chloride	µg/kg							

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DRAWINGS

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Description of Oversized Material, if applicable:

DRAWING TM6-1: SURFACE WATER & SEDIMENT INVESTIGATIONS, LOCATION & CONSTITUENTS DETECTED MAP

[X] Map [ ] Photograph [ ] Other (Specify Below)

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