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Loureiro Engineering Associates, Inc.

Loureiro Engineering Associates, Inc.

August 21, 2000

US Environmental Protection Agency
JFK Federal Building (HBT)
1 Congress Street
Boston, MA 02114-2023

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Attn.: Juan Perez

RE: Additional Investigation Report - Airport/Klondike Area
Pratt & Whitney, East Hartford, Connecticut
LEA Comm. No. 68VG403

Dear Mr. Perez:

Attached please find four copies of a report addressing additional investigation activities conducted 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:

- Additional Groundwater Investigations, South Klondike Area

These additional investigations were conducted in response to the ongoing, interactive review of the Summary Investigation and Remediation Report for the Airport/Klondike Area.

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

Sincerely,

LOUREIRO ENGINEERING ASSOCIATES, INC.

Thomas J. Salimeno, P.E.
Vice President

Attachments

pc: J. Tota, United Technologies Corporation

RCRA RECORDS CENTER
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SOUTH KLONDIKE AREA
ADDITIONAL GROUNDWATER INVESTIGATION
AT
PRATT & WHITNEY
AIRPORT/KLONDIKE AREA
400 MAIN STREET
EAST HARTFORD, CONNECTICUT

August 2000

Prepared for:

UNITED TECHNOLOGIES CORPORATION
United Technologies Building
One Financial Plaza
Hartford, Connecticut 06101

Prepared by:

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LEA Comm. No. 68VG403

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1. INTRODUCTION

At the request of the United States Environmental Protection Agency (EPA), an additional investigation consisting of soil and groundwater sampling was performed in the Airport/Klondike Area of the Pratt & Whitney (P&W) Main Street facility in East Hartford, Connecticut. More specifically, the investigation was conducted in the vicinity of the contaminant plume in the Virgin Product Storage Area (VPSA) of the South Klondike Area and down gradient of Fire Training Area A in the Tie-Down Area of the South Klondike Area.

The sampling was conducted to provide additional information on the groundwater quality along the western side of the East unnamed tributary to Pewterpot Brook to confirm that the brook is acting as a groundwater discharge zone in the South Klondike Area. The sampling was also conducted along the southern and western edges of the VPSA to supplement data along the southern, side-gradient portion of the contaminant plume as well as the down-gradient portion of the plume prior to discharge to the brook. In addition, the groundwater sampling conducted as part of this effort involved the Tie-Down Area, including Fire Training Area A and the Tie-Down underground storage tanks (USTs). The sampling for the Tie-Down Area was conducted to supplement existing data down gradient of Fire Training Area B and existing data in the vicinity of the USTs.

Soil and groundwater samples were collected from twenty-nine soil borings and two monitoring wells on the Site. The soil samples collected were analyzed for volatile organic compounds (VOCs). The groundwater samples collected were typically analyzed for VOCs and metals (arsenic, barium, cadmium, chromium, lead, mercury, nickel, selenium, silver, and zinc).

2. FACILITY INFORMATION

The P&W Main Street facility is located on over 960 acres with over 6.5 million square feet of floor area for manufacturing, research, office space, and space for related activities and support services. The facility has been used for the manufacture of aircraft engines and aircraft engine components since December 1929. The South Klondike Area is an approximately 131-acre area that generally includes the southern half of the area to the East of the airport. The VPSA and the Tie-Down Area are two of seven sub-areas in the South Klondike Area. The VPSA consists of six former storage yards, numbered from north to south, along with the Outside Drum Storage Area, the Quonset Hut Drum Storage Area, and the Barrel Storage Shed. The Tie-Down Area consisted of two engine-testing areas (X-309 and B-24), a storage area, and Fire Training Area A.

The VPSA includes six separate storage areas, numbered from north to south. These areas are located as shown on Drawing 1. In 1966, these six areas in the South Klondike were cleared for use as storage areas. The general configuration of the storage yards includes a central access road that runs north to south from the South Klondike Access Road. Each storage area has a yard access road that runs east to west from the central access road. Often paved wings are also present in a particular storage area, running north and south from the yard access road.

Storage Areas 1, 4, 5, and 6 appear to have been used for the storage of casting molds, wooden crates with unknown contents, metal debris, steel girders and frame members, I-beam winch supports, electric winches, painted steel I-beams, box girders, storage sheds, empty crates, re-enforced concrete pipe, and other miscellaneous items.

Storage Area 2 was used for the storage of drums, cartons, and storage containers. The entire area is paved and fenced. Drums have been observed as being stored upright and on their sides. Based on the available aerial photographs, drums were not stored in this area until the late 1970s.

Storage Area 3 was used for the storage of drums, salvage vehicles, trays/chutes, outdoor overhead lamp posts, fixtures, and ballasts. Soil staining throughout this storage area appears to have been the result of spent solvents and waste oils stored at this location. In a 1970 P&W facilities photograph the storage area is filled with drums, stacked on their sides as well as standing upright, and there are many areas of discernible staining.

Fire Training Area A originally consisted of a large dug pit, in which combustibles were ignited for fire-fighting training exercises. Also based on the available aerial photographs, sometime

after 1977 another dug pit and a 10-foot by 10-foot metal pan were also incorporated into the fire-fighting training exercises within this area.

In 1983 construction began of a more environmentally sound fire training area. Previously, a 1,000-gallon UST was located in the southwest corner of the present fire training area. During the construction of the new area, the 1,000-gallon UST was removed and replaced with a 2,500-gallon aboveground storage tank (AST). In addition to the tank removal, 500 cubic yards of oil contaminated soils from the combustion pits were reportedly removed and approved by the Connecticut Department of Environmental Protection (DEP) for disposal at the Town of East Hartford Landfill.

The new fire training area was covered by asphalt and was also bermed. Three large concrete containment pans were also installed in this area. The pans were filled with water when in use. These concrete pans and area drains were connected to an oil/water separator. Water from the separator discharged to a nearby intermittent pond that in turn discharges to the East unnamed tributary to Pewterpot Brook.

3. METHODOLOGY

On January 13, 14, 18, 19, 20, 21, 26, and 27, 2000, February 1, 2, 3, 16, 17, 18 and June 21, 2000, soil samples and groundwater samples were collected from soil borings and monitoring wells by Loureiro Engineering Associates, Inc. (LEA) personnel. Twenty-two different sampling locations were sampled in the vicinity of the contaminant plume in the VPSA (soil borings SK-SB-269 through SK-SB-273, SK-SB-280 through SK-SB-294, SK-MW-26, and SK-MW-27) and six sampling locations (soil borings SK-SB-274 through SK-SB-279) in the Tie-Down Area. The sampling locations are shown on Drawing 1. Along the western side of the East unnamed tributary to Pewterpot Brook, five sampling locations were completed in line with existing monitoring wells SK-MW-08 and SK-MW-23. Along the eastern side of the East unnamed tributary to Pewterpot Brook, five sampling locations were completed in line with existing monitoring wells SK-MW-19 through SK-MW-22.

On June 22, 2000, additional groundwater samples were collected from soil borings and monitoring wells in the South Klondike Area. Three additional groundwater samples (soil borings SK-SB-295 through SK-SB-297) were collected in the vicinity of soil boring SK-SB-273 to confirm the presence of VOCs that had been detected in the groundwater sample from that location. In addition, groundwater samples were collected from two monitoring wells (SK-MW-26 and SK-MW-27) that had been installed previously.

Along the southern edge of the VPSA, ten sampling locations and two small-diameter monitoring wells (SK-MW-26 and SK-MW-27) were completed along three parallel lines consisting of three sampling locations and one monitoring well for the northern and central parallel lines. The southernmost parallel line consisted of four sampling locations. These three lines of sampling locations are perpendicular to the brook to supplement data along the southern, side-gradient portion of the contaminant plume. The two monitoring wells were installed to provide additional permanent monitoring locations. One of the monitoring wells (SK-MW-27) was installed in the apparent vicinity of a low point of the clay surface. The layout of these sampling locations is shown on Drawing 1.

In the Tie-down Area, six sampling locations (soil borings SK-SB-274 through SK-SB-279) were completed along two parallel lines consisting of three sampling locations each. One of these two lines of sampling locations was adjacent to the western edge of, and parallel to, Fire Training Area A. The other line of sampling locations was adjacent to the eastern edge of, and parallel to the East unnamed tributary to Pewterpot Brook. The layout of these sampling locations is also shown on Drawing 1.

The drilling method, used to install the soil borings and monitoring wells (SK-MW-26 and SK-MW-27) as part of the current investigation activities, was Geoprobe® direct-push techniques using the LEA Geoprobe® drilling rig. The direct-push techniques with the LEA Geoprobe® 5400 were used to install soil borings and permanent monitoring wells. Direct-push techniques involved the initial installation of a soil boring to depth using Geoprobe® soil sampling techniques. Boreholes were advanced using the Geoprobe ®Macro-Core® soil sampling equipment. The soil borings and monitoring wells during the most recent investigation activities were installed in general accordance with the procedures described in LEA Standard Operating Procedures (SOPs) for *Geoprobe® Probing and Sampling*, *Geologic Logging of Unconsolidated Sedimentary Materials*, and *Soil Sampling*.

The Macro-Core system consisted of a 48-inch long by 2-inch outside diameter steel sampling tube outfitted with disposable 46-inch long by1.75-inch diameter polyethylene terephthalate copolyester (PETG) liners. The soil sampler was outfitted with a new liner and a fitted piston tip. The entire unit was driven to the top of the sampling interval with the Geoprobe® rig. The purpose of the fitted piston tip was to seal the end of the sampling tube against the introduction of formation material during advancement. The operator released the piston tip, the sampler was driven to the final sampling depth by a combination of percussion hammering and direct pressure, and the sampler was retrieved. After the sampler was retrieved, the soil-filled liner was removed from the sampler and transferred to the attending geologist for collection and logging.

Sampling was conducted in general accordance with the procedures described in the LEA SOP for *Soil Sampling*. Continuous soil sampling was performed during the advancement of all boreholes installed using Geoprobe® Macro-Core equipment. Soil samples were collected from grade in 2-foot intervals down to the final depth.

The Geoprobe® sample liners were sliced open using a dedicated holding frame and razor knife immediately after collection. All soil samples were examined by the attending geologist for indications of contamination, such as the presence of visible free-phase petroleum, visible staining, or the incidental presence of odors. After collection, all soil samples were field headspace screened with a photoionization detector (PID) for the presence of VOCs.

Once the sample liners were opened, the soil samples were collected directly into laboratory-supplied glass sample containers with Teflon®-lined lids for analysis. Soil samples were collected from opened liners using pre-cleaned stainless-steel spatulas. Filled sample containers were labeled using pre-printed, pre-numbered adhesive labels with sampling date and time hand recorded by the sampler. The filled sample containers were placed into iced sample coolers for the remainder of the sampling day.

All soil samples collected as part of the this investigation were analyzed in the LEA Analytical Laboratory for target VOCs, including benzene (BZ); ethylbenzene (EBZ); tetrachloroethylene (PCE); toluene (TL); 1,1,1-trichloroethane (TCA); trichloroethylene (TCE); and, xylenes (XYL), using a gas chromatograph (GC). In the absence of detectable VOCs from LEA Analytical Laboratory, soil samples were selected for laboratory analyses on the basis of the geologic logs, the field headspace screening, and consideration of potential contamination release mechanisms. All samples were sent to Quanterra Laboratories (Quanterra a.k.a. Severn Trent Laboratories) under chain-of-custody procedures for potential analysis for the selected analytical parameters. Soil samples run in the LEA mobile laboratory were analyzed and managed in accordance with the LEA SOP for the *Portable Gas Chromatograph and Sample Management Associated with the LEA Laboratory*. Soil samples submitted to Quanterra for analysis were analyzed for VOCs by EPA Method 8260B.

Screen-point groundwater samples were collected using a Geoprobe® SP-15 Screen-Point Sampler.® Screen-point sampling devices were typically employed in "unsampled" boreholes within 6 to 12 inches of "sampled" boreholes. In this manner, the groundwater samples collected from the screen-point sampling devices represent undisturbed groundwater from the same interval as the corresponding soil samples from the immediately adjacent soil borings. The groundwater samples were typically collected at two depths including just into the water table and just above the top of the clay surface. The screen-point sampler has a screen length of three feet. In some cases, only one sample was collected due to the relatively thin saturated thickness compared to the length of the screen-point sampler. In these cases, the groundwater sample was collected just above the top of the clay surface. The groundwater samples were submitted to Quanterra Laboratories for analysis of VOCs by EPA Method 8260B and metals (arsenic, barium, cadmium, chromium, lead, mercury, nickel, selenium, silver, and zinc). For metals analysis, the analyses were for total metals on unfiltered samples.

sampled w/ a peristaltic pump?

4. RESULTS

A summary of the sampling and analytical information for the soil borings and monitoring wells completed as part of this investigation are provided in Table 1. A summary of the constituents detected in soil is provided in Table 2 and shown on Drawing 1, while a summary of the constituents detected in groundwater is provided in Table 3 and shown on Drawing 2. Exceedances of surface-water protection criteria (SWPC) and residential volatilization criteria (RVC) are provided in Tables 4 and 5, respectively.

The only VOC detected in soil samples collected from soil borings and monitoring wells during this investigation was PCE. All of the detects for PCE occurred in soil samples from soil borings SK-SB-287 through SK-SB-289 and monitoring well SK-MW-27 with the highest concentration of 90 micrograms per kilogram (µg/kg) detected in the 4 to 6 foot depth interval for soil boring SK-SB-287.

all at low point in clay surface!!!
check depth of gw @ these samples

Soil data were compared to tabulated numeric residential direct exposure criteria (RDEC) and the GB pollutant mobility criteria (GBPMC) of the State of Connecticut Department of Environmental Protection Remediation Standard Regulations (RSRs) for each of the constituents detected as part of this investigation. Based on the constituents detected in soil, there were no exceedances of the RDEC or the GBPMC noted for the soil samples analyzed as part of this investigation.

because of shallow gw?

VOCs detected in groundwater samples collected from soil borings and monitoring wells during this additional investigation, included chloroform (CFM), EBZ, cis-1,2-dichloroethylene (12DCE), 1,1,2-trichloro-1,2,2-trifluoroethane (TTE), TCA, PCE, TCE and TL. The groundwater sample from soil boring SK-SB-273 in the 8 to 12 foot depth interval had detectable concentrations of 12DCE (28 micrograms per liter [µg/l]), PCE (78 µg/l), and TCE (19 µg/l). In addition, the groundwater samples from soil borings SK-SB-303 through SK-SB-305 in the 5.5 to 10 foot depth interval also had detectable concentrations of 12DCE, PCE, TCE, and TTE. The groundwater sample from soil boring SK-SB-295 in the 5.5 to 10 foot depth interval also had a detectable concentration of CFM.

The groundwater sample from soil boring SK-SB-292 in the 5 to 9 foot depth interval and the 12 to 16 foot depth interval had detectable concentrations of 12DCE at values of 48 µg/l and 110 µg/l respectively. The groundwater sample from soil boring SK-SB-293 in the 12 to 16 foot depth interval had detectable concentrations of EBZ (30 µg/l), TCA (13 µg/l), 12DEC (15 µg/l), PCE (24 µg/l), TCE (14 µg/l) and TL (10 µg/l). The groundwater sample from soil boring SK-SB-293 in the 14 to 18 foot depth interval had detectable concentrations of TCA (110 µg/l),

12DCE (550 μg/l), PCE (380 μg/l), and TCE (400 μg/l). The groundwater sample from soil boring SK-SB-294 in the 12 to 16 foot depth interval had detectable concentrations of PCE (390 μg/l). In addition, the groundwater samples from soil borings SK-SB-303 through SK-SB-305 in the 5.5 to 10 foot depth interval also had detectable concentrations of 12DCE, PCE, TCE, and TTE. The groundwater sample from soil boring SK-SB-303 in the 5.5 to 10 foot depth interval also had a detectable concentration of CFM (1.8μg/l). No other VOCs were detected in any of the other groundwater sampling locations completed as part of this additional investigation.

All of these soil boring locations are located along the western edge of the VPSA. With the exception of soil borings SK-SB-273 and SK-SB-303 through SK-SB-305, all of the soil boring locations with detectable concentrations of VOCs were on the eastern side of the unnamed tributary to Pewterpot Brook. However, soil borings SK-SB-273 and SK-SB-303 through SK-SB-305 were located on the western side of the unnamed tributary to Pewterpot Brook. These sampling locations are just west and slightly south of a reach of the unnamed tributary that is totally enclosed within a concrete culvert.

Metals detected in unfiltered groundwater samples collected during this investigation, and their maximum concentrations, included arsenic (76.5 μg/l), barium (2,430 μg/l), cadmium (149 μg/l), chromium (659 μg/l), lead (202 μg/l), mercury (0.45 μg/l), nickel (618 μg/l), selenium (7.4 μg/l), and zinc (1,040 μg/l). There were no filtered groundwater samples analyzed for metals.

The RSRs require groundwater within a "GB" groundwater quality area to be remediated to protect existing uses; additionally, groundwater plumes which discharge to a surface water body must meet the SWPC. Groundwater within 15 feet of the ground surface must also meet the volatilization criteria of the RSRs. Groundwater data were compared to tabulated numeric SWPC, RVC, and industrial/commercial volatilization criteria (IVC) of the RSRs for each of the constituents detected as part of this investigation. Based on the tabulated numeric SWPC, there were two exceedances for PCE detected in groundwater samples from soil boring SK-SB-293 (380 μg/l) in the 14 to 18 foot interval and soil boring SK-SB-294 (390 μg/l) in the 12 to 16 foot interval.

Concentrations of metals that had exceedances of the SWPC included arsenic, cadmium, lead, mercury, and zinc. Exceedances of the SWPC for arsenic ranged from concentrations of 4.1 μg/l to 76.5 μg/l at twenty-five of the soil boring locations. Exceedances of the SWPC for cadmium ranged from concentrations of 9.5 μg/l to 149 μg/l at soil boring locations SK-SB-287 (10 to 14 feet), SK-SB-290 (5 to 9 feet), SK-SB-290 (12 to 16 feet), SK-SB-293 (14 to 18 feet), and SK-MW-26A (5 to 9 feet). Exceedances of the SWPC for lead ranged from concentrations of 14.1 μg/l to 202 μg/l at twenty-four of the soil boring locations. The only SWPC exceedance for

mercury with a concentration of 0.45 µg/l occurred at soil boring SK-SB-279 (5 to 9 feet). Zinc concentration exceedances ranged from 125 µg/l to 1,040 µg/l at nineteen soil boring locations.

Based on the constituents detected in groundwater, there were no exceedances of the IVC and only one exceedance of the RVC. For the RVC, the only exceedance was for TCE detected at a concentration of 400 µg/l in soil boring SK-SB-293 in the 14 to 18 foot interval. ? See page 4-1

Quality assurance samples collected during the sampling include duplicate samples, trip blanks, and equipment blank. There were two trip blanks submitted to the LEA Mobile Laboratory and three trip blanks submitted to Quanterra Laboratories for analysis. The lack of compounds present above detection limits in all trip blanks confirmed that site-specific parameters were not introduced to the samples during collection or transportation to the laboratory. Only 11DCE (1.9µg/l) was detected in the equipment blank, which indicates that the equipment did not contribute appreciably to the introduction of site-specific parameters.

Four duplicate samples were collected during this investigation. SK-MW-27A, SK-SB-289, and SK-SB-303 were submitted to Quanterra Laboratories, SK-SB-277 was submitted to the LEA Mobile Laboratory. Relative percent differences (RPDs) of detected constituents in duplicate samples were less than 10% except in a few instances. Metals detected that exceeded 10% included chromium (27%) and zinc (10%) in the groundwater sample from monitoring well SK-MW-27A. RPDs exceeded 10% for 12DCE (46%), PCE (44%), TCE (40%), and TTE (42%) in the groundwater sample from soil boring SK-SB-303. No additional analytical parameters were detected in any other duplicates.

5. CONCLUSIONS

Based on analytical data collected from this investigation, the groundwater has been impacted by VOCs and various metals such as arsenic, cadmium, lead, mercury, and zinc. This investigation indicated that VOCs were not detected along the southern edge of the VPSA along the southern, side-gradient portion of the contaminant plume. This indicates that a southward component of the groundwater flow is of little impact South of the source area in the VPSA. – as yet

In terms of the down-gradient portion of the plume prior to discharge to the brook, this investigation also indicated that VOCs were not detected along the western side of the unnamed tributary to of the Pewterpot Brook with one exception. The one exception was in the vicinity of soil borings SK-SB-273 and SK-SB-303 through SK-SB-305 that are located just west and slightly south of a reach of the unnamed tributary that is totally enclosed within a concrete culvert. It is expected that the presence of the watercourse in the culvert in this area prevent the groundwater/surface water connection observed elsewhere. The balance of the sampling locations south of these locations (soil borings SK-SB-273 and SK-SB-303 through SK-SB-305) with no detectable concentrations of VOCs indicates that the groundwater discharges to the surface water and does not bypass the surface water in this area. — or hasn't yet

In an effort to confirm that the groundwater bypasses the surface water only in the area of the culvert, an additional investigation is recommended along the culverted section of the watercourse. The investigation should involve a line of groundwater sampling locations parallel to the portion of the unnamed tributary to Pewterpot Brook that is totally enclosed within the concrete culvert. To the West of the brook, a series of five groundwater sampling locations are proposed and in line with soil boring SK-SB-273 with one location south and five locations north of it. Another line of seven groundwater sampling locations is proposed parallel to soil boring SK-SB-273 but further west and in line with the groundwater sampling locations completed previously. The last proposed line of groundwater sampling locations would consist of five locations East of the concrete culvert and in line with the previous groundwater sampling locations on the eastern side of the unnamed tributary to Pewterpot Brook. The proposed sampling locations proposed are shown on Drawing 1.

- Where is conceptual remedial plan we discussed.
- We need long-term monitoring set up
- We need more investigation in southwest corner of area
- radial projections & limited graphics are confusing. Integrate new info w/ old info

TABLES

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: South Klondike VPSA Additional Investigation

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	Miscellaneous
SK-MW-08D	31390090560	9/ 5/90	49.00	59.00	GW		x	x					X
SK-MW-08D	31390112035	11/20/90	49.00	59.00	GW		X	x					X
SK-MW-08D	31391022211	2/22/91	49.00	59.00	GW		x						X
SK-MW-08D	1018490	9/18/96	49.0	59.0	GW		x					X	x
SK-MW-08D	1634491	6/ 4/97	49.0	59.0	GW			x					x
SK-MW-08D	1634506	6/ 6/97	49.0	59.0	GW							X	
SK-MW-08D	1647357	11/21/97	49.0	59.0	GW		x					X	
SK-MW-08D	1846194	10/ 1/99	49.0	59.0	GW		x					X	
SK-MW-08S	CAS10090___	2/16/90	9.0		SB		X						
SK-MW-08S	CAS10A30790	3/ 7/90	7.50	12.50	GW		x						
SK-MW-08S	31390090559	9/ 5/90	7.50	12.50	GW		x	x					X
SK-MW-08S	31390112034	11/20/90	7.50	12.50	GW		x	x					X
SK-MW-08S	31391022210	2/22/91	7.50	12.50	GW		x						X
SK-MW-08S	1018196	9/12/96	7.5	12.5	GW		x					X	X
SK-MW-08S	1634490	6/ 4/97	7.5	12.5	GW		x					x	
SK-MW-08S	1647373	11/24/97	7.5	12.5	GW			x				x	x
SK-MW-08S	1846188	9/29/99	7.5	12.5	GW		x	x				x	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-MW-19	1846187	9/29/99	3.5	13.5	GW		X					X	
SK-MW-20	1017682	8/27/96	0	2	SB	x							
SK-MW-20	1017683	8/27/96	2	4	SB	x							
SK-MW-20	1017684	8/27/96	4	6	SB	x							

Notes: 1. Legend: x - mass, t - TCLP, s - SPLP, e - EPTOX, z - ZHE; Capitalized - at least one analyte detected
2. Printed on 08/21/00

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: South Klondike VPSA Additional Investigation

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	Miscellaneous
SK-MW-20	1017685	8/27/96	6	8	SB	x							
SK-MW-20	1017686	8/27/96	8	10	SB	X							
SK-MW-20	1017689	8/27/96	8	10	SB	X							
SK-MW-20	1017687	8/27/96	10	12	SB	X							
SK-MW-20	1017688	8/27/96	12	14	SB	X							
SK-MW-20	1017690	8/27/96	14	16	SB	X							
SK-MW-20	1018104	9/12/96	4.0	14.0	GW		X		x	x	x	X	x
SK-MW-20	1634487	6/ 4/97	4.0	14.0	GW		X					x	
SK-MW-20	1647353	11/21/97	4.0	14.0	GW		X					x	
SK-MW-20	1846182	9/29/99	4.0	14.0	GW		X					X	
SK-MW-21	1017675	8/27/96	0	2	SB	x							
SK-MW-21	1017676	8/27/96	2	4	SB	x							
SK-MW-21	1017677	8/27/96	4	6	SB	x							
SK-MW-21	1017678	8/27/96	6	8	SB	x							
SK-MW-21	1017679	8/27/96	8	10	SB	x							
SK-MW-21	1017680	8/27/96	10	12	SB	x							
SK-MW-21	1017681	8/27/96	12	14	SB	x							
SK-MW-21	1018176	9/11/96	3.5	13.5	GW		x				x	X	x
SK-MW-21	1634486	6/ 4/97	3.5	13.5	GW		x					X	
SK-MW-21	1647343	11/20/97	3.5	13.5	GW		X					x	
SK-MW-21	1846191	9/29/99	3.5	13.5	GW		x					X	
SK-MW-22	1017667	8/27/96	0	2	SB	x							
SK-MW-22	1017668	8/27/96	2	4	SB	x							
SK-MW-22	1017669	8/27/96	4	6	SB	X							
SK-MW-22	1017670	8/27/96	6	8	SB	X							
SK-MW-22	1017671	8/27/96	8	10	SB	X							
SK-MW-22	1017672	8/27/96	10	12	SB	X							
SK-MW-22	1017673	8/27/96	12	14	SB	X							
SK-MW-22	1017674	8/27/96	14	16	SB	x							
SK-MW-22	1018175	9/11/96	3.0	13.0	GW		x				x	X	x
SK-MW-22	1634488	6/ 4/97	3.0	13.0	GW		x						
SK-MW-22	1634499	6/ 6/97	3.0	13.0	GW							X	

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Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: South Klondike VPSA Additional Investigation

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	Miscellaneous
SK-MW-22	1647351	11/21/97	3.0	13.0	GW		x					X	
SK-MW-22	1846192	9/29/99	3.0	13.0	GW		x					x	
SK-MW-23	1017651	8/26/96	0	2	SB	x							
SK-MW-23	1017652	8/26/96	2	4	SB	x	X	x			x	X	x
SK-MW-23	1017653	8/26/96	4	6	SB	x							
SK-MW-23	1017654	8/26/96	6	8	SB	x	x	x			x	X	x
SK-MW-23	1017655	8/26/96	8	10	SB	x							
SK-MW-23	1017656	8/26/96	10	12	SB	x							
SK-MW-23	1017657	8/26/96	12	14	SB	x							
SK-MW-23	1017658	8/26/96	14	16	SB	x							
SK-MW-23	1018195	9/12/96	3	13	GW		x					X	x
SK-MW-23	1634494	6/ 5/97	3.0	13.0	GW		x					x	
SK-MW-23	1647355	11/21/97	3.0	13.0	GW		x					x	
SK-MW-23	1647356	11/21/97	3.0	13.0	GW		x					x	
SK-MW-23	1846190	9/29/99	3.0	13.0	GW		x					x	
SK-MW-24	1017659	8/26/96	0	2	SB	x							
SK-MW-24	1017660	8/26/96	2	4	SB	x	x	x			x	X	x
SK-MW-24	1017661	8/26/96	4	6	SB	x							
SK-MW-24	1017662	8/26/96	6	8	SB	x							
SK-MW-24	1017663	8/26/96	8	10	SB	X							
SK-MW-24	1017664	8/26/96	10	12	SB	X							
SK-MW-24	1017665	8/26/96	12	14	SB	X	x	x			x	X	x
SK-MW-24	1017666	8/26/96	14	16	SB	X							
SK-MW-24	1018177	9/11/96	3.0	13.0	GW		X				x	X	x
SK-MW-24	1018178	9/11/96	3.0	13.0	GW		X				x	X	x
SK-MW-24	1634481	6/ 4/97	3.0	13.0	GW		X					X	
SK-MW-24	1647344	11/20/97	3.0	13.0	GW		X					x	
SK-MW-24	1846184	9/29/99	3.0	13.0	GW		X					X	
SK-MW-24	1846185	9/29/99	3.0	13.0	GW		X					X	
SK-MW-26	1951536	2/ 2/00	0	2	SB	x							
SK-MW-26	1951537	2/ 2/00	2	4	SB	x							
SK-MW-26	1952760	2/ 2/00	4	6	SB	x							

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P&W East Hartford: South Klondike VPSA Additional Investigation

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	Miscellaneous
SK-MW-26	1952761	2/ 2/00	6	8	SB	x							
SK-MW-26	1951573	2/ 2/00	8	10	SB	x							
SK-MW-26	1951574	2/ 2/00	10	12	SB	x							
SK-MW-26	1951575	2/ 2/00	12	14	SB	x							
SK-MW-26	1951576	2/ 2/00	14	16	SB	x							
SK-MW-26	1967139	6/21/00	13.00	16.00	GW		x					x	
SK-MW-26a	1952723	2/ 3/00	5	9	GW		x					X	
SK-MW-26a	1952724	2/ 3/00	13	16	GW		x					X	
SK-MW-27	1951577	2/ 2/00	0	2	SB	x							
SK-MW-27	1951578	2/ 2/00	2	4	SB	X							
SK-MW-27	1951579	2/ 2/00	4	6	SB	X							
SK-MW-27	1951580	2/ 2/00	6	8	SB	X							
SK-MW-27	1951581	2/ 2/00	8	10	SB	X							
SK-MW-27	1951582	2/ 2/00	10	12	SB	X							
SK-MW-27	1951583	2/ 2/00	12	16	SB	X							
SK-MW-27	1967138	6/21/00	13.0	16.0	GW		x					X	
SK-MW-27a	1952725	2/ 3/00	6	10	GW		x					X	
SK-MW-27a	1952726	2/ 3/00	13	16	GW		x					X	
SK-MW-27a	1952727	2/ 3/00	13	16	GW		x					X	
SK-SB-269	1947594	1/13/00	4	6	SB		x						
SK-SB-269	1947597	1/13/00	12	14	SB		x						
SK-SB-269	1948113	1/27/00	5	9	GW		x					X	
SK-SB-269	1948114	1/27/00	10	14	GW		x					X	
SK-SB-270	1947605	1/14/00	12	14	SB		x						
SK-SB-270	1948115	1/27/00	4	8	GW		x					X	
SK-SB-270	1948116	1/27/00	8	12	GW		x					X	
SK-SB-271	1947613	1/14/00	12	14	SB		x						
SK-SB-271	1948117	1/27/00	4	8	GW		x					X	
SK-SB-271	1948118	1/27/00	8	12	GW		x					X	
SK-SB-272	1947620	1/14/00	8	12	SB		x						
SK-SB-272	1948107	1/20/00	5.5	8	GW		x					X	
SK-SB-272	1948108	1/20/00	10	14	GW		x					X	

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P&W East Hartford: South Klondike VPSA Additional Investigation

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	Miscellaneous
SK-SB-273	1947624	1/18/00	0	2	SB	x							
SK-SB-273	1947625	1/18/00	2	4	SB	x							
SK-SB-273	1947626	1/18/00	4	6	SB	x							
SK-SB-273	1947627	1/18/00	6	8	SB	x	x						
SK-SB-273	1947628	1/18/00	8	10	SB	x	x						
SK-SB-273	1947629	1/18/00	10	12	SB	x							
SK-SB-273	1948105	1/20/00	5.5	7	GW		x					X	
SK-SB-273	1948106	1/20/00	8	12	GW		X					X	
SK-SB-274	1947630	1/18/00	0	2	SB	x							
SK-SB-274	1947631	1/18/00	2	4	SB	x							
SK-SB-274	1947632	1/18/00	4	6	SB	x	x						
SK-SB-274	1947633	1/18/00	6	8	SB	x							
SK-SB-274	1947634	1/18/00	8	10	SB		x						
SK-SB-274	1948097	1/20/00	5.5	7	GW		x					X	
SK-SB-274	1948098	1/20/00	7	11	GW		x					X	
SK-SB-275	1947636	1/18/00	0	2	SB	x							
SK-SB-275	1947637	1/18/00	2	4	SB	x							
SK-SB-275	1947638	1/18/00	4	6	SB	x	x						
SK-SB-275	1947639	1/18/00	6	8	SB	x							
SK-SB-275	1947640	1/18/00	8	10	SB	x							
SK-SB-275	1947641	1/18/00	10	12	SB	x	x						
SK-SB-275	1948095	1/20/00	5.5	7.0	GW		x					X	
SK-SB-275	1948096	1/20/00	7	11	GW		x					X	
SK-SB-276	1947642	1/18/00	0	2	SB	x							
SK-SB-276	1947643	1/18/00	2	4	SB	x							
SK-SB-276	1947644	1/18/00	4	6	SB	x	x						
SK-SB-276	1947645	1/18/00	6	8	SB	x							
SK-SB-276	1947646	1/18/00	8	10	SB	x	x						
SK-SB-276	1947647	1/18/00	10	12	SB	x							
SK-SB-276	1948103	1/20/00	5.5	7	GW		x					X	
SK-SB-276	1948104	1/20/00	7	11	GW		x					X	
SK-SB-277	1947649	1/19/00	0	2	SB	x							

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SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: South Klondike VPSA Additional Investigation

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	Miscellaneous
SK-SB-277	1947650	1/19/00	0	2	SB	x							
SK-SB-277	1947651	1/19/00	2	4	SB	x							
SK-SB-277	1947652	1/19/00	4	6	SB	x							
SK-SB-277	1947653	1/19/00	6	8	SB	x							
SK-SB-277	1947654	1/19/00	8	10	SB	x							
SK-SB-277	1947655	1/19/00	10	12	SB	x							
SK-SB-277	1948099	1/20/00	5.5	7	GW		x					X	
SK-SB-277	1948100	1/20/00	7	11	GW		x					X	
SK-SB-278	1947656	1/19/00	0	2	SB	x							
SK-SB-278	1947657	1/19/00	2	4	SB	x							
SK-SB-278	1947659	1/19/00	6	8	SB	x							
SK-SB-278	1947660	1/19/00	8	10	SB	x							
SK-SB-278	1947661	1/19/00	10	12	SB	x							
SK-SB-278	1948101	1/20/00	5.5	7	GW		x					X	
SK-SB-278	1948102	1/20/00	7	11	GW		x					X	
SK-SB-279	1947662	1/19/00	0	2	SB	x							
SK-SB-279	1947663	1/19/00	2	4	SB	x							
SK-SB-279	1947664	1/19/00	4	6	SB	x							
SK-SB-279	1948093	1/19/00	5	9	GW		x					X	
SK-SB-279	1947665	1/19/00	6	8	SB	x							
SK-SB-279	1948094	1/19/00	7	11	GW		x					X	
SK-SB-279	1947666	1/19/00	8	10	SB	x							
SK-SB-279	1947667	1/19/00	10	12	SB	x							
SK-SB-280	1951510	1/21/00	0	2	SB	x							
SK-SB-280	1951511	1/21/00	2	4	SB	x							
SK-SB-280	1951512	1/21/00	4	6	SB	x	x						
SK-SB-280	1951513	1/21/00	6	8	SB	x							
SK-SB-280	1951514	1/21/00	8	10	SB	x							
SK-SB-280	1951515	1/21/00	10	12	SB	x							
SK-SB-280	1951516	1/21/00	12	14	SB	x							
SK-SB-280	1951517	1/21/00	14	16	SB	x	x						
SK-SB-280	1948120	1/27/00	5	9	GW		x					X	

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P&W East Hartford: South Klondike VPSA Additional Investigation

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	Miscellaneous
SK-SB-280	1948121	1/27/00	12	16	GW		x					X	
SK-SB-281	1951518	1/21/00	0	2	SB	x							
SK-SB-281	1951519	1/21/00	2	4	SB	x							
SK-SB-281	1951520	1/21/00	4	6	SB	x							
SK-SB-281	1951521	1/21/00	6	8	SB	x	x						
SK-SB-281	1951522	1/21/00	8	10	SB	x							
SK-SB-281	1951523	1/21/00	10	12	SB	x							
SK-SB-281	1951524	1/21/00	12	14	SB	x	x						
SK-SB-281	1951525	1/21/00	14	16	SB	x							
SK-SB-281	1948122	1/27/00	5	9	GW		x					X	
SK-SB-281	1948123	1/27/00	12	16	GW		x					X	
SK-SB-282	1951526	1/21/00	0	2	SB	x							
SK-SB-282	1951527	1/21/00	2	4	SB	x							
SK-SB-282	1951528	1/21/00	4	6	SB	x							
SK-SB-282	1951529	1/21/00	6	8	SB	x	x						
SK-SB-282	1951530	1/21/00	8	10	SB	x							
SK-SB-282	1951531	1/21/00	10	12	SB	x							
SK-SB-282	1951532	1/21/00	12	14	SB	x							
SK-SB-282	1951533	1/21/00	14	16	SB	x	x						
SK-SB-282	1948124	1/27/00	5	9	GW		x					X	
SK-SB-282	1948125	1/27/00	12	16	GW		x					X	
SK-SB-283	1951539	1/26/00	0	2	SB	x							
SK-SB-283	1951540	1/26/00	2	4	SB	x							
SK-SB-283	1951541	1/26/00	4	6	SB	x							
SK-SB-283	1951542	1/26/00	6	8	SB	x	x						
SK-SB-283	1951543	1/26/00	8	10	SB	x							
SK-SB-283	1951544	1/26/00	10	12	SB	x							
SK-SB-283	1951545	1/26/00	12	14	SB	x							
SK-SB-283	1951546	1/26/00	14	16	SB	x	x						
SK-SB-283	1958128	2/ 1/00	4.5	8.5	GW		x					X	
SK-SB-283	1958129	2/ 1/00	12	16	GW		x					X	
SK-SB-284	1951547	1/26/00	0	2	SB	x							

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P&W East Hartford: South Klondike VPSA Additional Investigation

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	Miscellaneous
SK-SB-284	1951548	1/26/00	2	4	SB	x							
SK-SB-284	1951549	1/26/00	4	6	SB	x							
SK-SB-284	1951550	1/26/00	6	8	SB	x	x						
SK-SB-284	1951551	1/26/00	8	10	SB	x							
SK-SB-284	1951552	1/26/00	10	12	SB	x							
SK-SB-284	1951553	1/26/00	12	14	SB	x							
SK-SB-284	1951554	1/26/00	14	16	SB	x	x						
SK-SB-284	1958130	2/ 1/00	5	9	GW		x					X	
SK-SB-284	1958131	2/ 1/00	12	16	GW		x					X	
SK-SB-285	1951555	1/26/00	0	2	SB	x							
SK-SB-285	1951556	1/26/00	2	4	SB	x							
SK-SB-285	1951557	1/26/00	4	6	SB	x							
SK-SB-285	1951558	1/26/00	6	8	SB	x	x						
SK-SB-285	1951559	1/26/00	8	10	SB	x							
SK-SB-285	1951560	1/26/00	10	12	SB	x							
SK-SB-285	1951561	1/26/00	12	14	SB	x							
SK-SB-285	1951562	1/26/00	14	16	SB	x	x						
SK-SB-285	1948134	2/ 2/00	6	10	GW		x					x	
SK-SB-285	1952721	2/ 2/00	12	16	GW		x					X	
SK-SB-286	1951563	1/26/00	0	2	SB	x							
SK-SB-286	1951564	1/26/00	2	4	SB	x							
SK-SB-286	1951565	1/26/00	4	6	SB	x							
SK-SB-286	1951566	1/26/00	6	8	SB	x	x						
SK-SB-286	1951567	1/26/00	8	10	SB	x							
SK-SB-286	1951568	1/26/00	10	12	SB	x							
SK-SB-286	1951569	1/26/00	12	14	SB	x							
SK-SB-286	1951570	1/26/00	14	16	SB	x	x						
SK-SB-286	1958132	2/ 1/00	6	10	GW		x					X	
SK-SB-286	1958133	2/ 1/00	12.5	16.5	GW		x					X	
SK-SB-287	1951590	2/16/00	0	2	SB	X							
SK-SB-287	1951591	2/16/00	2	4	SB	X							
SK-SB-287	1951592	2/16/00	4	6	SB	X							

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Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Miscellaneous
SK-SB-287	1951593	2/16/00	6	8	SB		x						
SK-SB-287	1952729	2/16/00	5.5	9.5	GW		x					X	
SK-SB-287	1951594	2/16/00	8	10	SB	X							
SK-SB-287	1951595	2/16/00	10	12	SB	X							
SK-SB-287	1952728	2/16/00	10	14	GW		x					X	
SK-SB-287	1951596	2/16/00	12	14	SB	X	x						
SK-SB-287	1951597	2/16/00	14	16	SB	X							
SK-SB-288	1951598	2/16/00	0	2	SB	x							
SK-SB-288	1951599	2/16/00	2	4	SB	X							
SK-SB-288	1951600	2/16/00	4	6	SB	x							
SK-SB-288	1951601	2/16/00	6	8	SB	X	x						
SK-SB-288	1952730	2/16/00	6	10	GW		x					X	
SK-SB-288	1951602	2/16/00	8	10	SB	X							
SK-SB-288	1951603	2/16/00	10	12	SB	X							
SK-SB-288	1952731	2/16/00	11	15	GW		x					X	
SK-SB-288	1951604	2/16/00	12	14	SB	X							
SK-SB-288	1951605	2/16/00	14	16	SB	X	x						
SK-SB-289	1951606	2/16/00	0	2	SB	x							
SK-SB-289	1951607	2/16/00	2	4	SB	X							
SK-SB-289	1951608	2/16/00	4	6	SB	X	x						
SK-SB-289	1951609	2/16/00	4	6	SB	X	x						
SK-SB-289	1951610	2/16/00	6	8	SB	x							
SK-SB-289	1952733	2/16/00	6	10	GW		x					X	
SK-SB-289	1951611	2/16/00	8	10	SB	x							
SK-SB-289	1951612	2/16/00	10	12	SB	X							
SK-SB-289	1952732	2/16/00	11	15	GW		x					X	
SK-SB-289	1951613	2/16/00	12	14	SB	X	x						
SK-SB-289	1951614	2/16/00	14	16	SB	X							
SK-SB-290	1952734	2/17/00	5	9	GWG		x					X	
SK-SB-290	1952735	2/17/00	12	16	GWG		x					X	
SK-SB-291	1952736	2/17/00	5	9	GWG		x					X	
SK-SB-291	1952737	2/17/00	12	16	GWG		x					X	

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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	Miscellaneous
SK-SB-292	1952738	2/17/00	5	9	GWG		X					X	
SK-SB-292	1952739	2/17/00	12	16	GWG		X					X	
SK-SB-293	1952741	2/17/00	12	16	GWG		X					X	
SK-SB-293	1952740	2/17/00	14	18	GWG		X					X	
SK-SB-294	1951652	2/18/00	0	2	SB	x							
SK-SB-294	1952742	2/18/00	12	16	GW		X					X	
SK-SB-303	1967134	6/21/00			GWG		X						
SK-SB-303	1967135	6/21/00			GWG		X						
SK-SB-304	1967136	6/21/00			GWG		X						
SK-SB-305	1967137	6/21/00			GWG		X						

Notes: 1. Legend: x - mass, t - TCLP, s - SPLP, e - EPTOX, z - ZHE; Capitalized - at least one analyte detected
2. Printed on 08/21/00

Table 2
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-08S	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-20
	Sample ID	CAS10090	1017694	1017695	1017696	1017697	1017698	1017686
	Sample Date	02/16/1990	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996	08/27/1996
	Sample Time	:	16:20	16:22	16:30	16:34	16:41	14:43
	Sample Depth	9.0'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	8' - 10'
	Laboratory	NETA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	NETA09014	96-4343-297	96-4344-298	96-4345-299	96-4346-300	96-4347-301	96-4331-287
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-		09/03/1996	09/03/1996	09/03/1996	09/03/1996	09/03/1996	08/30/1996
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							
Acetone	µg/kg							
Tetrachloroethylene (screening)	µg/kg		5 J	113	6 J	49	98 NC	172
Trichloroethylene (screening)	µg/kg			4 J		2 J	76 NC	5 J
Methylene Chloride	µg/kg	10						

Notes: 1. Only Detects Shown
2. Printed on 07/10/00

Table 2
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-20	SK-MW-20	SK-MW-20	SK-MW-20	SK-MW-22	SK-MW-22	SK-MW-22
	Sample ID	1017689	1017687	1017688	1017690	1017669	1017670	1017671
	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	14:55	14:48	14:52	15:00	08:49	08:53	08:56
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4334-290	96-4332-288	96-4333-289	96-4335-291	96-4313-269	96-4314-270	96-4315-271
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	08/30/1996	08/30/1996	08/30/1996	08/30/1996	08/30/1996	08/30/1996	08/30/1996
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							
Acetone	µg/kg							
Tetrachloroethylene (screening)	µg/kg	47	676 E	626 ENC		9 J	4 J	2 J
Trichloroethylene (screening)	µg/kg		20	20 JNC	4 J	2 J		
Methylene Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 07/10/00

Table 2
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-22	SK-MW-22	SK-MW-23	SK-MW-23	SK-MW-24	SK-MW-24	SK-MW-24
	Sample ID	1017672	1017673	1017652	1017654	1017660	1017663	1017664
	Sample Date	08/27/1996	08/27/1996	08/26/1996	08/26/1996	08/26/1996	08/26/1996	08/26/1996
	Sample Time	09:01	09:40	10:30	10:55	13:45	14:00	14:05
	Sample Depth	10' - 12'	12' - 14'	2' - 4'	6' - 8'	2' - 4'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	AEL	AEL	AEL	LEA	LEA
	Lab. Number	96-4316-272	96-4317-273	AEL96009661	AEL96009662	AEL96009663	96-4243-196	96-4244-197
Constituent	Units							
Date Metals Analyzed	-			09/05/1996	09/05/1996	09/05/1996		
Date Organics Analyzed	-	08/30/1996	08/30/1996	09/05/1996			08/28/1996	08/28/1996
Barium	mg/kg			20.4	13.6	13.6		
Chromium	mg/kg			8.97		6.56		
Zinc	mg/kg			19.3	12.8	15.2		
Acetone	µg/kg			150				
Tetrachloroethylene (screening)	µg/kg	1 J	1 JNC				44 NC	135 NC
Trichloroethylene (screening)	µg/kg						28 NC	98 NC
Methylene Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 07/10/00

Table 2
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-24	SK-MW-24	SK-MW-24	SK-MW-27	SK-MW-27	SK-MW-27	SK-MW-27
	Sample ID	1017665	1017665	1017666	1951578	1951579	1951580	1951580
	Sample Date	08/26/1996	08/26/1996	08/26/1996	02/02/2000	02/02/2000	02/02/2000	02/02/2000
	Sample Time	14:10	14:10	14:25	14:31	14:50	14:51	14:51
	Sample Depth	12' - 14'	12' - 14'	14' - 16'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	AEL96009664	96-4246-199	96-4247-200	96000244	96000245	96000246	96000247
Constituent	Units							
Date Metals Analyzed	-	09/05/1996						
Date Organics Analyzed	-		08/28/1996	08/28/1996	02/03/2000	02/03/2000	02/03/2000	02/03/2000
Barium	mg/kg	23.6						
Chromium	mg/kg							
Zinc	mg/kg	15.2						
Acetone	µg/kg							
Tetrachloroethylene (screening)	µg/kg		224 NC	64	50	50	46	49
Trichloroethylene (screening)	µg/kg		179 NC	48				
Methylene Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 07/10/00

Table 2
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-27	SK-MW-27	SK-MW-27	SK-SB-287	SK-SB-287	SK-SB-287	SK-SB-287
	Sample ID	1951581	1951582	1951583	1951590	1951590	1951591	1951592
	Sample Date	02/02/2000	02/02/2000	02/02/2000	02/16/2000	02/16/2000	02/16/2000	02/16/2000
	Sample Time	15:10	15:11	15:30	10:55	10:55	10:56	11:10
	Sample Depth	8' - 10'	10' - 12'	12' - 16'	0' - 2'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96000248	96000249	96000250	96000265	96000270	96000266	96000267
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	02/03/2000	02/03/2000	02/03/2000	02/17/2000	02/17/2000	02/17/2000	02/17/2000
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							
Acetone	µg/kg							
Tetrachloroethylene (screening)	µg/kg	60	16	24	34	26	43	60
Trichloroethylene (screening)	µg/kg							
Methylene Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 07/10/00

Table 2
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-287	SK-SB-287	SK-SB-287	SK-SB-287	SK-SB-287	SK-SB-287	SK-SB-288
	Sample ID	1951592	1951592	1951594	1951595	1951596	1951597	1951599
	Sample Date	02/16/2000	02/16/2000	02/16/2000	02/16/2000	02/16/2000	02/16/2000	02/16/2000
	Sample Time	11:10	11:10	11:30	11:31	12:05	12:06	13:11
	Sample Depth	4' - 6'	4' - 6'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96000268	96000269	96000271	96000272	96000273	96000274	96000276
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	02/17/2000	02/17/2000	02/17/2000	02/17/2000	02/17/2000	02/17/2000	02/17/2000
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							
Acetone	µg/kg							
Tetrachloroethylene (screening)	µg/kg	90	45	40	20	42	46	13
Trichloroethylene (screening)	µg/kg							
Methylene Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 07/10/00

Table 2
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-288	SK-SB-288	SK-SB-288	SK-SB-288	SK-SB-288	SK-SB-289	SK-SB-289
	Sample ID	1951601	1951602	1951603	1951604	1951605	1951607	1951608
	Sample Date	02/16/2000	02/16/2000	02/16/2000	02/16/2000	02/16/2000	02/16/2000	02/16/2000
	Sample Time	13:31	13:50	13:51	14:05	14:06	14:31	14:45
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96000278	96000279	96000280	96000281	96000282	96000284	96000285
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	02/17/2000	02/17/2000	02/17/2000	02/17/2000	02/17/2000	02/17/2000	02/17/2000
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							
Acetone	µg/kg							
Tetrachloroethylene (screening)	µg/kg	53	45	49	20	18	20	45
Trichloroethylene (screening)	µg/kg							
Methylene Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 07/10/00

Table 2
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-289	SK-SB-289	SK-SB-289	SK-SB-289			
	Sample ID	1951609	1951612	1951613	1951614			
	Sample Date	02/16/2000	02/16/2000	02/16/2000	02/16/2000			
	Sample Time	14:46	15:11	15:30	15:31			
	Sample Depth	4' - 6'	10' - 12'	12' - 14'	14' - 16'			
	Laboratory	LEA	LEA	LEA	LEA			
	Lab. Number	96000286	96000291	96000292	96000293			
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	02/17/2000	02/18/2000	02/18/2000	02/18/2000			
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							
Acetone	µg/kg							
Tetrachloroethylene (screening)	µg/kg	19	22	21	38			
Trichloroethylene (screening)	µg/kg							
Methylene Chloride	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 07/10/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-08D	SK-MW-08D	SK-MW-08D	SK-MW-08D	SK-MW-08D	SK-MW-08D	SK-MW-08D
	Sample ID	31390090560	31390112035	31391022211	1018490	1634506	1647357	1846194
	Sample Date	09/05/1990	11/20/1990	02/22/1991	09/18/1996	06/06/1997	11/21/1997	10/01/1999
	Sample Time	14:05	12:50	09:40	16:00	:	15:30	12:15
	Sample Depth	49.00' - 59.0	49.00' - 59.0	49.00' - 59.0	49.0' - 59.0'	49.0' - 59.0'	49.0' - 59.0'	49.0' - 59.0'
	Laboratory	M&E?	M&E?	M&E?	AEL	QUAN	QUAN	QUAN
	Lab. Number	31390090560	31390112035	28928451	AEL96010547	A7F090101008	A7K240127006	A9J020168001
Constituent	Units							
Depth of Well	FT				63.2		55.25	56
Depth to Water	FT	9.05	8.44	8.41	13.37		8.32	9.06
Specific Conductivity (field)	µmhos				433		290	266
Temperature	c deg	13.6	10.9	11.2				
Water Elevation	FT	35.97	36.58	36.61	31.65		36.70	35.96
pH (field)	SU				8.9		7.6	8.33
Date Metals Analyzed	-				09/20/1996	06/20/1997	12/01/1997	10/05/1999
Date Organics Analyzed	-							
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L					0.124	0.0635	
Arsenic (Unfiltered)	mg/L							
Barium	mg/L				0.031	7.82	3.48	
Barium (Unfiltered)	mg/L							
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L					1.34	0.627	
Chromium (Unfiltered)	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L					0.467	0.204	
Lead (Unfiltered)	mg/L							
Mercury	mg/L					0.00045		
Mercury (Unfiltered)	mg/L							
Nickel	mg/L					1.22	0.585	
Nickel (Unfiltered)	mg/L							
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L				0.014	3.47	1.37	0.0445

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-08D	SK-MW-08D	SK-MW-08D	SK-MW-08D	SK-MW-08D	SK-MW-08D	SK-MW-08D
	Sample ID	31390090560	31390112035	31391022211	1018490	1634506	1647357	1846194
	Sample Date	09/05/1990	11/20/1990	02/22/1991	09/18/1996	06/06/1997	11/21/1997	10/01/1999
	Sample Time	14:05	12:50	09:40	16:00	:	15:30	12:15
	Sample Depth	49.00' - 59.0	49.00' - 59.0	49.00' - 59.0	49.0' - 59.0'	49.0' - 59.0'	49.0' - 59.0'	49.0' - 59.0'
	Laboratory	M&E?	M&E?	M&E?	AEL	QUAN	QUAN	QUAN
	Lab. Number	31390090560	31390112035	28928451	AEL96010547	A7F090101008	A7K240127006	A9J020168001
Constituent	Units							
Zinc (Unfiltered)	mg/L							
Specific Conductivity	µmhos	350	311	304				
TPH	mg/L							
pH	SU	8.76	7.77	8.84				
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l		15					
1,1,2,2-Tetrachloroethane	µg/l		2					
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l							
Tetrachloroethylene	µg/l		2					
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l							
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-08D	SK-MW-08S	SK-MW-08S	SK-MW-08S	SK-MW-08S	SK-MW-19	SK-MW-19
	Sample ID	1846194	31390090559	31390112034	31391022210	1018196	1018179	1634485
	Sample Date	10/01/1999	09/05/1990	11/20/1990	02/22/1991	09/12/1996	09/11/1996	06/04/1997
	Sample Time	12:15	13:07	12:41	09:35	16:33	14:26	11:35
	Sample Depth	49.0' - 59.0'	7.50' - 12.50	7.50' - 12.50	7.50' - 12.50	7.5' - 12.5'	3.5' - 13.5'	3.5' - 13.5'
	Laboratory	QUAN	M&E?	M&E?	M&E?	AEL	AEL	QUAN
	Lab. Number	A9J020168002	31390090559	31390112034	28928450	AEL96010289	AEL96010191	A7F050147008
Constituent	Units							
Depth of Well	FT	56				12.69	17.17	17.17
Depth to Water	FT	9.06	5.71	5.47	5.48	6.02	10.19	9.05
Specific Conductivity (field)	µmhos	266				121	098	60
Temperature	c deg		17.0	13.6	8.9			
Water Elevation	FT	35.96	37.21	37.45	37.44	36.90	38.80	39.94
pH (field)	SU	8.33				5.35	5.40	4.74
Date Metals Analyzed	-	10/05/1999				09/16/1996	09/16/1996	06/17/1997
Date Organics Analyzed	-						09/17/1996	06/17/1997
Date Physical Analyzed	-					09/24/1996		
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.0454						
Barium	mg/L					0.034	0.028	
Barium (Unfiltered)	mg/L	3.11						
Cadmium	mg/L						0.0168	0.0270
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L						0.115	0.0861
Chromium (Unfiltered)	mg/L	0.213						
Copper (Unfiltered)	mg/L	0.143						
Lead	mg/L							0.0063
Lead (Unfiltered)	mg/L	0.0681						
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L	0.2						
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L						0.015	0.0393

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-08D	SK-MW-08S	SK-MW-08S	SK-MW-08S	SK-MW-08S	SK-MW-19	SK-MW-19
	Sample ID	1846194	31390090559	31390112034	31391022210	1018196	1018179	1634485
	Sample Date	10/01/1999	09/05/1990	11/20/1990	02/22/1991	09/12/1996	09/11/1996	06/04/1997
	Sample Time	12:15	13:07	12:41	09:35	16:33	14:26	11:35
	Sample Depth	49.0' - 59.0'	7.50' - 12.50	7.50' - 12.50	7.50' - 12.50	7.5' - 12.5'	3.5' - 13.5'	3.5' - 13.5'
	Laboratory	QUAN	M&E?	M&E?	M&E?	AEL	AEL	QUAN
	Lab. Number	A9J020168002	31390090559	31390112034	28928450	AEL96010289	AEL96010191	A7F050147008
Constituent	Units							
Zinc (Unfiltered)	mg/L	0.439						
Specific Conductivity	µmhos		100	94	98			
TPH	mg/L					0.8		
pH	SU		4.88	5.72	4.76			
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l						7.3	
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							
1,1-Dichloroethane	µg/L						2.1	
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l						58	5.5
Tetrachloroethylene	µg/l						97	12
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l						13	
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-20	SK-MW-20	SK-MW-20	SK-MW-20
	Sample ID	1647341	1846187	1846187	1018104	1634487	1647353	1846182
	Sample Date	11/20/1997	09/29/1999	09/29/1999	09/12/1996	06/04/1997	11/21/1997	09/29/1999
	Sample Time	11:45	10:55	10:55	15:23	13:15	12:10	09:20
	Sample Depth	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'	4.0' - 14.0'	4.0' - 14.0'	4.0' - 14.0'	4.0' - 14.0'
	Laboratory	QUAN	QUAN	QUAN	AEL	QUAN	QUAN	QUAN
	Lab. Number	A7K240137004	A9J010129012	A9J010129013	AEL96010293	A7F050147010	A7K240127003	A9J010129002
Constituent	Units							
Depth of Well	FT	17.20	17.17	17.17	17.27	17.27	17.28	17.27
Depth to Water	FT	9.86	8.87	8.87	12.02	11.02	11.88	10.31
Specific Conductivity (field)	µmhos	122	759	759	051	30	45	594
Temperature	c deg							
Water Elevation	FT	39.13	40.12	40.12	38.03	39.03	38.17	39.74
pH (field)	SU	5.1	6.60	6.60	5.55	5.12	4.7	6.88
Date Metals Analyzed	-	12/07/1997	10/11/1999	10/11/1999	09/16/1996			
Date Organics Analyzed	-	11/30/1997	10/07/1999		09/22/1996	06/17/1997	12/04/1997	10/06/1999
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L							
Barium	mg/L				0.031			
Barium (Unfiltered)	mg/L							
Cadmium	mg/L	0.0350	0.0119					
Cadmium (Unfiltered)	mg/L			0.0135				
Chromium	mg/L	0.0977	0.0556	0.0647				
Chromium (Unfiltered)	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L							
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L							
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L	0.0217						

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-20	SK-MW-20	SK-MW-20	SK-MW-20
	Sample ID	1647341	1846187	1846187	1018104	1634487	1647353	1846182
	Sample Date	11/20/1997	09/29/1999	09/29/1999	09/12/1996	06/04/1997	11/21/1997	09/29/1999
	Sample Time	11:45	10:55	10:55	15:23	13:15	12:10	09:20
	Sample Depth	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'	4.0' - 14.0'	4.0' - 14.0'	4.0' - 14.0'	4.0' - 14.0'
	Laboratory	QUAN	QUAN	QUAN	AEL	QUAN	QUAN	QUAN
	Lab. Number	A7K240137004	A9J010129012	A9J010129013	AEL96010293	A7F050147010	A7K240127003	A9J010129002
Constituent	Units							
Zinc (Unfiltered)	mg/L							
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l				97 J1			
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l		3.5					
1,1-Dichloroethane	µg/L				4.9			
1,1-Dichloroethylene	µg/L				2.5			
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l	41	6.7		570			
Tetrachloroethylene	µg/l	110			8000	2500	4700	1200
trans-1,2-Dichloroethylene	µg/L				4.6			
Trichloroethylene	µg/l				280			
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-20	SK-MW-21	SK-MW-21	SK-MW-21	SK-MW-21	SK-MW-22	SK-MW-22
	Sample ID	1846182	1018176	1634486	1647343	1846191	1018175	1634499
	Sample Date	09/29/1999	09/11/1996	06/04/1997	11/20/1997	09/29/1999	09/11/1996	06/06/1997
	Sample Time	09:20	13:47	11:55	13:45	13:25	13:27	10:21
	Sample Depth	4.0' - 14.0'	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'	3.0' - 13.0'	3.0' - 13.0'
	Laboratory	QUAN	AEL	QUAN	QUAN	QUAN	AEL	QUAN
	Lab. Number	A9J010129003	AEL96010188	A7F050147009	A7K240137006	A9J010129021	AEL96010187	A7F090101001
Constituent	Units							
Depth of Well	FT	17.27	15.83	15.20	13.14	16.07	15.22	15.22
Depth to Water	FT	10.31	10.75	9.60	8.41	7.92	10.42	9.37
Specific Conductivity (field)	µmhos	594	053	30	40	575	040	30
Temperature	c deg							
Water Elevation	FT	39.74	37.11	38.26	39.45	39.94	37.02	38.07
pH (field)	SU	6.88	6.00	4.76	5.3	6.93	5.73	5.41
Date Metals Analyzed	-	10/12/1999	09/16/1996	06/17/1997		10/11/1999	09/17/1996	06/20/1997
Date Organics Analyzed	-				12/03/1997			
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L							
Barium	mg/L		0.024				0.030	
Barium (Unfiltered)	mg/L							
Cadmium	mg/L						0.0043	
Cadmium (Unfiltered)	mg/L					0.0053		
Chromium	mg/L							0.0116
Chromium (Unfiltered)	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L							0.0086
Lead (Unfiltered)	mg/L	0.0038				0.0043		
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L							
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L		0.053	0.0286				0.0590

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-20	SK-MW-21	SK-MW-21	SK-MW-21	SK-MW-21	SK-MW-22	SK-MW-22
	Sample ID	1846182	1018176	1634486	1647343	1846191	1018175	1634499
	Sample Date	09/29/1999	09/11/1996	06/04/1997	11/20/1997	09/29/1999	09/11/1996	06/06/1997
	Sample Time	09:20	13:47	11:55	13:45	13:25	13:27	10:21
	Sample Depth	4.0' - 14.0'	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'	3.0' - 13.0'	3.0' - 13.0'
	Laboratory	QUAN	AEL	QUAN	QUAN	QUAN	AEL	QUAN
	Lab. Number	A9J010129003	AEL96010188	A7F050147009	A7K240137006	A9J010129021	AEL96010187	A7F090101001
Constituent	Units							
Zinc (Unfiltered)	mg/L							
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l							
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l							
Tetrachloroethylene	µg/l				4000			
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l							
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-22	SK-MW-23	SK-MW-24	SK-MW-24	SK-MW-24	SK-MW-24	SK-MW-24
	Sample ID	1647351	1018195	1018177	1018178	1634481	1647344	1846184
	Sample Date	11/21/1997	09/12/1996	09/11/1996	09/11/1996	06/04/1997	11/20/1997	09/29/1999
	Sample Time	10:56	14:46	14:10	14:15	10:10	14:12	10:15
	Sample Depth	3.0' - 13.0'	3' - 13'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'
	Laboratory	QUAN	AEL	AEL	AEL	QUAN	QUAN	QUAN
	Lab. Number	A7K240127001	AEL96010288	AEL96010189	AEL96010190	A7F050147004	A7K240137007	A9J010129006
Constituent	Units							
Depth of Well	FT	16.02	16.25	15.83	15.83	15.83	15.80	15.82
Depth to Water	FT	10.10	9.69	9.12	9.12	7.25	8.73	8.37
Specific Conductivity (field)	µmhos	48	110	137	137	90	70	670
Temperature	c deg							
Water Elevation	FT	37.34	36.70	40.03	40.03	41.90	40.42	40.78
pH (field)	SU	5.1	5.47	6.10	6.10	5.22	5.4	6.67
Date Metals Analyzed	-	12/01/1997	09/16/1996	09/16/1996	09/16/1996	06/17/1997		
Date Organics Analyzed	-			09/17/1996	09/17/1996	06/16/1997	12/03/1997	10/07/1999
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L							
Barium	mg/L		0.030	0.047	0.042			
Barium (Unfiltered)	mg/L							
Cadmium	mg/L	0.0073						
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L							
Chromium (Unfiltered)	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L							
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L							
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L	0.0263		0.035	0.012	0.0556		

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-22	SK-MW-23	SK-MW-24	SK-MW-24	SK-MW-24	SK-MW-24	SK-MW-24
	Sample ID	1647351	1018195	1018177	1018178	1634481	1647344	1846184
	Sample Date	11/21/1997	09/12/1996	09/11/1996	09/11/1996	06/04/1997	11/20/1997	09/29/1999
	Sample Time	10:56	14:46	14:10	14:15	10:10	14:12	10:15
	Sample Depth	3.0' - 13.0'	3' - 13'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'
	Laboratory	QUAN	AEL	AEL	AEL	QUAN	QUAN	QUAN
	Lab. Number	A7K240127001	AEL96010288	AEL96010189	AEL96010190	A7F050147004	A7K240137007	A9J010129006
Constituent	Units							
Zinc (Unfiltered)	mg/L							
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l			8.8	8.7			
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							1.4
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L			3.2	3.0			
cis-1,2-Dichloroethylene	ug/l			390	400	29	14	
Tetrachloroethylene	µg/l			710	680	40	44	14
trans-1,2-Dichloroethylene	µg/L			1.4	1.4			
Trichloroethylene	µg/l			580	550	41	16	12
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-24	SK-MW-24	SK-MW-26	SK-MW-26a	SK-MW-26a	SK-MW-27	SK-MW-27
	Sample ID	1846184	1846185	1967139	1952723	1952724	1967138	1967138
	Sample Date	09/29/1999	09/29/1999	06/21/2000	02/03/2000	02/03/2000	06/21/2000	06/21/2000
	Sample Time	10:15	10:20	12:40	10:30	10:45	12:05	12:05
	Sample Depth	3.0' - 13.0'	3.0' - 13.0'	13.00' - 16.0	5' - 9'	13' - 16'	13.0' - 16.0'	13.0' - 16.0'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A9J010129007	A9J010129008	A0F220166007	A0B040166007	A0B040166008	A0F220166005	A0F220166006
Constituent	Units							
Depth of Well	FT	15.82	15.82	14.62			15.60	15.60
Depth to Water	FT	8.37	8.37	3.80			3.87	3.87
Specific Conductivity (field)	µmhos	670	670					
Temperature	c deg							
Water Elevation	FT	40.78	40.78	-3.80			-3.87	-3.87
pH (field)	SU	6.67	6.67	4.99			5.09	5.09
Date Metals Analyzed	-	10/06/1999	10/06/1999		02/10/2000	02/10/2000		06/26/2000
Date Organics Analyzed	-		10/07/1999					
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%			123			124	
Arsenic	mg/L		0.0060					
Arsenic (Unfiltered)	mg/L				0.0237			
Barium	mg/L							
Barium (Unfiltered)	mg/L				0.447			
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L				0.149			
Chromium	mg/L							
Chromium (Unfiltered)	mg/L				0.148	0.0201		
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L				0.0551	0.0054		
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L				0.138			
Selenium	mg/L		0.0073					
Selenium (Unfiltered)	mg/L	0.0065						0.0051
Zinc	mg/L							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-24	SK-MW-24	SK-MW-26	SK-MW-26a	SK-MW-26a	SK-MW-27	SK-MW-27
	Sample ID	1846184	1846185	1967139	1952723	1952724	1967138	1967138
	Sample Date	09/29/1999	09/29/1999	06/21/2000	02/03/2000	02/03/2000	06/21/2000	06/21/2000
	Sample Time	10:15	10:20	12:40	10:30	10:45	12:05	12:05
	Sample Depth	3.0' - 13.0'	3.0' - 13.0'	13.00' - 16.0	5' - 9'	13' - 16'	13.0' - 16.0'	13.0' - 16.0'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A9J010129007	A9J010129008	A0F220166007	A0B040166007	A0B040166008	A0F220166005	A0F220166006
Constituent	Units							
Zinc (Unfiltered)	mg/L	0.0217			0.236	0.0359		
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l							
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l		1.5					
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l							
Tetrachloroethylene	µg/l		14					
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l		12					
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-27a	SK-MW-27a	SK-MW-27a	SK-SB-269	SK-SB-269	SK-SB-270	SK-SB-270
	Sample ID	1952725	1952726	1952727	1948113	1948114	1948115	1948116
	Sample Date	02/03/2000	02/03/2000	02/03/2000	01/27/2000	01/27/2000	01/27/2000	01/27/2000
	Sample Time	12:25	14:15	14:20	10:15	10:35	11:00	11:20
	Sample Depth	6' - 10'	13' - 16'	13' - 16'	5' - 9'	10' - 14'	4' - 8'	8' - 12'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0B040166009	A0B040166010	A0B040166011	A0A280163002	A0A280163004	A0A280163006	A0A280163008
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Temperature	c deg							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	02/10/2000	02/10/2000	02/10/2000	02/02/2000	02/02/2000	02/02/2000	02/02/2000
Date Organics Analyzed	-							
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L				0.0041	0.0120	0.0384	0.0062
Barium	mg/L							
Barium (Unfiltered)	mg/L					1.46	0.249	
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L							
Chromium (Unfiltered)	mg/L	0.0204	0.0175	0.0133	0.0187	0.163	0.0706	0.0777
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L	0.0062			0.0118	0.0470	0.0224	0.0121
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L					0.107	0.0508	
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-27a	SK-MW-27a	SK-MW-27a	SK-SB-269	SK-SB-269	SK-SB-270	SK-SB-270
	Sample ID	1952725	1952726	1952727	1948113	1948114	1948115	1948116
	Sample Date	02/03/2000	02/03/2000	02/03/2000	01/27/2000	01/27/2000	01/27/2000	01/27/2000
	Sample Time	12:25	14:15	14:20	10:15	10:35	11:00	11:20
	Sample Depth	6' - 10'	13' - 16'	13' - 16'	5' - 9'	10' - 14'	4' - 8'	8' - 12'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0B040166009	A0B040166010	A0B040166011	A0A280163002	A0A280163004	A0A280163006	A0A280163008
Constituent	Units							
Zinc (Unfiltered)	mg/L	0.0313	0.0317	0.0285	0.0501 LBD	0.312 MB	0.0817 MB	0.112 MB
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l							
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l							
Tetrachloroethylene	µg/l							
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l							
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-271	SK-SB-271	SK-SB-272	SK-SB-272	SK-SB-273	SK-SB-273	SK-SB-273
	Sample ID	1948117	1948118	1948107	1948108	1948105	1948106	1948106
	Sample Date	01/27/2000	01/27/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000
	Sample Time	11:45	12:00	15:15	15:20	14:30	14:35	14:35
	Sample Depth	4' - 8'	8' - 12'	5.5' - 8'	10' - 14'	5.5' - 7'	8' - 12'	8' - 12'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A280163010	A0A280163012	A0A210207026	A0A210207028	A0A210207022	A0A210207023	A0A210207024
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Temperature	c deg							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	02/02/2000	02/02/2000	02/01/2000	02/01/2000	02/01/2000		02/01/2000
Date Organics Analyzed	-						01/31/2000	
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L		0.0046	0.0069	0.0063	0.0298		0.0134
Barium	mg/L							
Barium (Unfiltered)	mg/L			0.403	0.939	1.71		1.07
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L							
Chromium (Unfiltered)	mg/L	0.0224	0.0722	0.148	0.165	0.185		0.249
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L		0.0095	0.0194	0.0240	0.0355		0.0395
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L			0.0894	0.0869	0.114		0.149
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-271	SK-SB-271	SK-SB-272	SK-SB-272	SK-SB-273	SK-SB-273	SK-SB-273
	Sample ID	1948117	1948118	1948107	1948108	1948105	1948106	1948106
	Sample Date	01/27/2000	01/27/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000
	Sample Time	11:45	12:00	15:15	15:20	14:30	14:35	14:35
	Sample Depth	4' - 8'	8' - 12'	5.5' - 8'	10' - 14'	5.5' - 7'	8' - 12'	8' - 12'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A280163010	A0A280163012	A0A210207026	A0A210207028	A0A210207022	A0A210207023	A0A210207024
Constituent	Units							
Zinc (Unfiltered)	mg/L	0.0278 MB	0.0778 MB	0.165	0.215	0.171		0.241
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l							
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l						28	
Tetrachloroethylene	µg/l						78	
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l						19	
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-274	SK-SB-274	SK-SB-275	SK-SB-275	SK-SB-276	SK-SB-276	SK-SB-277
	Sample ID	1948097	1948098	1948095	1948096	1948103	1948104	1948099
	Sample Date	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000
	Sample Time	11:00	11:10	10:10	10:20	14:10	14:15	11:35
	Sample Depth	5.5' - 7'	7' - 11'	5.5' - 7.0'	7' - 11'	5.5' - 7'	7' - 11'	5.5' - 7'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A210207006	A0A210207008	A0A210207002	A0A210207004	A0A210207018	A0A210207020	A0A210207010
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Temperature	c deg							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	02/01/2000	02/01/2000	02/01/2000	02/01/2000	02/01/2000	02/01/2000	02/01/2000
Date Organics Analyzed	-							
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.0085	0.0194	0.0062	0.0059		0.0078	
Barium	mg/L							
Barium (Unfiltered)	mg/L		1.78		1.78		1.37	
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L							
Chromium (Unfiltered)	mg/L	0.134	0.444	0.112	0.281	0.0232	0.336	0.0320
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L	0.0161	0.0461	0.0141	0.0234	0.0069	0.0253	0.0049
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L	0.0551	0.2	0.0529	0.108		0.177	
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-274	SK-SB-274	SK-SB-275	SK-SB-275	SK-SB-276	SK-SB-276	SK-SB-277
	Sample ID	1948097	1948098	1948095	1948096	1948103	1948104	1948099
	Sample Date	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000
	Sample Time	11:00	11:10	10:10	10:20	14:10	14:15	11:35
	Sample Depth	5.5' - 7'	7' - 11'	5.5' - 7.0'	7' - 11'	5.5' - 7'	7' - 11'	5.5' - 7'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A210207006	A0A210207008	A0A210207002	A0A210207004	A0A210207018	A0A210207020	A0A210207010
Constituent	Units							
Zinc (Unfiltered)	mg/L	0.111	0.513	0.125 L	0.314	0.0392	0.351	0.0587
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l							
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l							
Tetrachloroethylene	µg/l							
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l							
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-277	SK-SB-278	SK-SB-278	SK-SB-279	SK-SB-279	SK-SB-280	SK-SB-280
	Sample ID	1948100	1948101	1948102	1948093	1948094	1948120	1948121
	Sample Date	01/20/2000	01/20/2000	01/20/2000	01/19/2000	01/19/2000	01/27/2000	01/27/2000
	Sample Time	11:45	13:35	13:45	14:20	14:25	13:10	13:25
	Sample Depth	7' - 11'	5.5' - 7'	7' - 11'	5' - 9'	7' - 11'	5' - 9'	12' - 16'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A210207012	A0A210207014	A0A210207016	A0A200189044	A0A200189045	A0A280163014	A0A280163016
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Temperature	c deg							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	02/01/2000	02/01/2000	02/01/2000	01/28/2000	01/28/2000	02/02/2000	02/02/2000
Date Organics Analyzed	-							
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.0042		0.0058	0.0305	0.028		
Barium	mg/L							
Barium (Unfiltered)	mg/L	1.09		0.829	0.757	0.941		0.333
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L							
Chromium (Unfiltered)	mg/L	0.135	0.0314	0.0557	0.381 E	0.659 E	0.0598	0.0793
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L	0.0160	0.0063	0.0227	0.131	0.118	0.0063	0.0120
Mercury	mg/L							
Mercury (Unfiltered)	mg/L				0.00045	0.0002 B		
Nickel	mg/L							
Nickel (Unfiltered)	mg/L	0.0654			0.447 E	0.363 E		
Selenium	mg/L							
Selenium (Unfiltered)	mg/L				0.006			
Zinc	mg/L							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-277	SK-SB-278	SK-SB-278	SK-SB-279	SK-SB-279	SK-SB-280	SK-SB-280
	Sample ID	1948100	1948101	1948102	1948093	1948094	1948120	1948121
	Sample Date	01/20/2000	01/20/2000	01/20/2000	01/19/2000	01/19/2000	01/27/2000	01/27/2000
	Sample Time	11:45	13:35	13:45	14:20	14:25	13:10	13:25
	Sample Depth	7' - 11'	5.5' - 7'	7' - 11'	5' - 9'	7' - 11'	5' - 9'	12' - 16'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A210207012	A0A210207014	A0A210207016	A0A200189044	A0A200189045	A0A280163014	A0A280163016
Constituent	Units							
Zinc (Unfiltered)	mg/L	0.176	0.0384	0.0920	0.655	0.642	0.0520 MB	0.0577 MB
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l							
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l							
Tetrachloroethylene	µg/l							
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l							
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-281	SK-SB-281	SK-SB-282	SK-SB-282	SK-SB-283	SK-SB-283	SK-SB-284
	Sample ID	1948122	1948123	1948124	1948125	1958128	1958129	1958130
	Sample Date	01/27/2000	01/27/2000	01/27/2000	01/27/2000	02/01/2000	02/01/2000	02/01/2000
	Sample Time	13:45	14:00	14:15	14:25	11:10	11:40	13:15
	Sample Depth	5' - 9'	12' - 16'	5' - 9'	12' - 16'	4.5' - 8.5'	12' - 16'	5' - 9'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A280163018	A0A280163020	A0A280163022	A0A280163024	A0B020201008	A0B020201009	A0B020201010
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Temperature	c deg							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	02/02/2000	02/02/2000	02/02/2000	02/02/2000	02/10/2000	02/10/2000	02/10/2000
Date Organics Analyzed	-							
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.0046		0.0058			0.0180	0.0359
Barium	mg/L							
Barium (Unfiltered)	mg/L			0.359			0.523	0.533
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L							
Chromium (Unfiltered)	mg/L	0.0473	0.0564	0.0767	0.0430	0.0172	0.226	0.288
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L	0.0171	0.0077	0.0176	0.0097		0.0406	0.0806
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L			0.0466			0.12	0.203
Selenium	mg/L							
Selenium (Unfiltered)	mg/L						0.0060	0.0074
Zinc	mg/L							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-281	SK-SB-281	SK-SB-282	SK-SB-282	SK-SB-283	SK-SB-283	SK-SB-284
	Sample ID	1948122	1948123	1948124	1948125	1958128	1958129	1958130
	Sample Date	01/27/2000	01/27/2000	01/27/2000	01/27/2000	02/01/2000	02/01/2000	02/01/2000
	Sample Time	13:45	14:00	14:15	14:25	11:10	11:40	13:15
	Sample Depth	5' - 9'	12' - 16'	5' - 9'	12' - 16'	4.5' - 8.5'	12' - 16'	5' - 9'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A280163018	A0A280163020	A0A280163022	A0A280163024	A0B020201008	A0B020201009	A0B020201010
Constituent	Units							
Zinc (Unfiltered)	mg/L	0.0685 MB	0.0819 MB	0.107 MB	0.0564 MB	0.0379	0.258	0.328
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l							
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l							
Tetrachloroethylene	µg/l							
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l							
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-284	SK-SB-285	SK-SB-286	SK-SB-286	SK-SB-287	SK-SB-287	SK-SB-288
	Sample ID	1958131	1952721	1958132	1958133	1952729	1952728	1952730
	Sample Date	02/01/2000	02/02/2000	02/01/2000	02/01/2000	02/16/2000	02/16/2000	02/16/2000
	Sample Time	13:30	11:00	14:20	14:40	12:00	11:45	13:35
	Sample Depth	12' - 16'	12' - 16'	6' - 10'	12.5' - 16.5'	5.5' - 9.5'	10' - 14'	6' - 10'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0B020201011	A0B040102004	A0B020201012	A0B020201013	A0B180179002	A0B180179001	A0B180179003
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Temperature	c deg							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	02/10/2000	02/10/2000	02/10/2000	02/10/2000	02/23/2000	02/23/2000	02/23/2000
Date Organics Analyzed	-							
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.0114		0.0086	0.0087	0.0406	0.0250	
Barium	mg/L							
Barium (Unfiltered)	mg/L	0.471		0.205	0.227	0.922	0.578	
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L						0.0135	
Chromium	mg/L							
Chromium (Unfiltered)	mg/L	0.119	0.0929	0.0372	0.0574	0.342	0.207	0.0112
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L	0.0323	0.0059	0.0162	0.0183	0.0945	0.0542 L	0.0042
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L	0.0845			0.0529	0.41	0.144	
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-284	SK-SB-285	SK-SB-286	SK-SB-286	SK-SB-287	SK-SB-287	SK-SB-288
	Sample ID	1958131	1952721	1958132	1958133	1952729	1952728	1952730
	Sample Date	02/01/2000	02/02/2000	02/01/2000	02/01/2000	02/16/2000	02/16/2000	02/16/2000
	Sample Time	13:30	11:00	14:20	14:40	12:00	11:45	13:35
	Sample Depth	12' - 16'	12' - 16'	6' - 10'	12.5' - 16.5'	5.5' - 9.5'	10' - 14'	6' - 10'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0B020201011	A0B040102004	A0B020201012	A0B020201013	A0B180179002	A0B180179001	A0B180179003
Constituent	Units							
Zinc (Unfiltered)	mg/L	0.135	0.105	0.0585	0.0990	0.455	0.832 L	0.0713
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l							
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l							
Tetrachloroethylene	µg/l							
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l							
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-288	SK-SB-289	SK-SB-289	SK-SB-290	SK-SB-290	SK-SB-291	SK-SB-291
	Sample ID	1952731	1952733	1952732	1952734	1952735	1952736	1952737
	Sample Date	02/16/2000	02/16/2000	02/16/2000	02/17/2000	02/17/2000	02/17/2000	02/17/2000
	Sample Time	13:35	15:20	15:00	10:40	10:40	12:00	12:05
	Sample Depth	11' - 15'	6' - 10'	11' - 15'	5' - 9'	12' - 16'	5' - 9'	12' - 16'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0B180179004	A0B180179006	A0B180179005	A0B180179008	A0B180179009	A0B180179010	A0B180179011
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Temperature	c deg							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	02/23/2000	02/23/2000	02/23/2000	02/24/2000	02/24/2000	02/23/2000	02/23/2000
Date Organics Analyzed	-							
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.0120	0.0056	0.0104	0.0568	0.0765		0.0087
Barium	mg/L							
Barium (Unfiltered)	mg/L	0.472	0.219	0.292	2.43	1.92		0.328
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L				0.0095	0.0134		
Chromium	mg/L							
Chromium (Unfiltered)	mg/L	0.0990	0.0795	0.0742	0.502	0.521	0.0152	0.0852
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L	0.0329	0.0165	0.0252	0.177	0.202	0.0048	0.0277
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L	0.0960	0.0586	0.0645	0.618	0.379		0.0789
Selenium	mg/L							
Selenium (Unfiltered)	mg/L				0.0053			
Zinc	mg/L							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-288	SK-SB-289	SK-SB-289	SK-SB-290	SK-SB-290	SK-SB-291	SK-SB-291
	Sample ID	1952731	1952733	1952732	1952734	1952735	1952736	1952737
	Sample Date	02/16/2000	02/16/2000	02/16/2000	02/17/2000	02/17/2000	02/17/2000	02/17/2000
	Sample Time	13:35	15:20	15:00	10:40	10:40	12:00	12:05
	Sample Depth	11' - 15'	6' - 10'	11' - 15'	5' - 9'	12' - 16'	5' - 9'	12' - 16'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0B180179004	A0B180179006	A0B180179005	A0B180179008	A0B180179009	A0B180179010	A0B180179011
Constituent	Units							
Zinc (Unfiltered)	mg/L	0.363	0.208	0.176	1.04	0.769	0.0670	0.232
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l							
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l							
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l							
Tetrachloroethylene	µg/l							
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l							
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-292	SK-SB-292	SK-SB-293	SK-SB-293	SK-SB-294	SK-SB-303	SK-SB-303
	Sample ID	1952738	1952739	1952741	1952740	1952742	1967134	1967135
	Sample Date	02/17/2000	02/17/2000	02/17/2000	02/17/2000	02/18/2000	06/21/2000	06/21/2000
	Sample Time	14:10	14:15	15:40	15:30	10:20	09:55	09:55
	Sample Depth	5' - 9'	12' - 16'	12' - 16'	14' - 18'	12' - 16'		
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0B180179012	A0B180179013	A0B180179015	A0B180179014	A0B210110001	A0F220166001	A0F220166002
Constituent	Units							
Depth of Well	FT						10.	10.
Depth to Water	FT						5.5	5.5
Specific Conductivity (field)	µmhos							
Temperature	c deg							
Water Elevation	FT						-5.50	-5.50
pH (field)	SU						5.35	5.35
Date Metals Analyzed	-	02/23/2000	02/23/2000	02/23/2000	02/23/2000	02/23/2000		
Date Organics Analyzed	-	02/23/2000	02/24/2000	02/24/2000	02/24/2000	02/24/2000	06/23/2000	06/23/2000
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%						119	120
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.0079	0.0105		0.0199	0.0186		
Barium	mg/L							
Barium (Unfiltered)	mg/L		0.344		0.329	0.358		
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L				0.0974	0.0050		
Chromium	mg/L							
Chromium (Unfiltered)	mg/L	0.0176	0.0795		0.0761	0.323		
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L	0.0084	0.0263		0.0350	0.0391		
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L		0.0804		0.0865	0.123		
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-292	SK-SB-292	SK-SB-293	SK-SB-293	SK-SB-294	SK-SB-303	SK-SB-303
	Sample ID	1952738	1952739	1952741	1952740	1952742	1967134	1967135
	Sample Date	02/17/2000	02/17/2000	02/17/2000	02/17/2000	02/18/2000	06/21/2000	06/21/2000
	Sample Time	14:10	14:15	15:40	15:30	10:20	09:55	09:55
	Sample Depth	5' - 9'	12' - 16'	12' - 16'	14' - 18'	12' - 16'		
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0B180179012	A0B180179013	A0B180179015	A0B180179014	A0B210110001	A0F220166001	A0F220166002
Constituent	Units							
Zinc (Unfiltered)	mg/L	0.0547	0.147	0.0481	0.17	0.216		
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l			30				
Chloroform	µg/l						1.8	
1,1,1-Trichloroethane	µg/l			13	110			
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l						5.4	3.5
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l	48	110	15	550		24	15
Tetrachloroethylene	µg/l			24	380	390	55	35
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l			14	400		33	22
Toluene	µg/l			10				

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-304	SK-SB-305					
	Sample ID	1967136	1967137					
	Sample Date	06/21/2000	06/21/2000					
	Sample Time	10:35	11:15					
	Sample Depth							
	Laboratory	QUAN	QUAN					
	Lab. Number	A0F220166003	A0F220166004					
Constituent	Units							
Depth of Well	FT	10.	10.					
Depth to Water	FT	5.5	5.5					
Specific Conductivity (field)	µmhos							
Temperature	c deg							
Water Elevation	FT	-5.50	-5.50					
pH (field)	SU	5.46	12.7					
Date Metals Analyzed	-							
Date Organics Analyzed	-	06/23/2000	06/23/2000					
Date Physical Analyzed	-							
Ethane,1,2-dichloro-, -d4	%	120	122					
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L							
Barium	mg/L							
Barium (Unfiltered)	mg/L							
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L							
Chromium (Unfiltered)	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L							
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Nickel (Unfiltered)	mg/L							
Selenium	mg/L							
Selenium (Unfiltered)	mg/L							
Zinc	mg/L							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 3
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-304	SK-SB-305					
	Sample ID	1967136	1967137					
	Sample Date	06/21/2000	06/21/2000					
	Sample Time	10:35	11:15					
	Sample Depth							
	Laboratory	QUAN	QUAN					
	Lab. Number	A0F220166003	A0F220166004					
Constituent	Units							
Zinc (Unfiltered)	mg/L							
Specific Conductivity	µmhos							
TPH	mg/L							
pH	SU							
Ethyl Benzene	µg/l							
Chloroform	µg/l							
1,1,1-Trichloroethane	µg/l							
1,1,2,2-Tetrachloroethane	µg/l							
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	2.3	1.2					
1,1-Dichloroethane	µg/L							
1,1-Dichloroethylene	µg/L							
Vinyl Chloride	µg/L							
cis-1,2-Dichloroethylene	ug/l	7.1	5.3					
Tetrachloroethylene	µg/l	22	15					
trans-1,2-Dichloroethylene	µg/L							
Trichloroethylene	µg/l	9.4	5.6					
Toluene	µg/l							

Notes: 1. Only Detects Shown
2. Printed on 08/21/00

Table 4
EXCEEDANCES-SURFACE WATER CRITERIA FOR SUBSTANCES IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-08D	SK-MW-08D	SK-MW-08D	SK-MW-19	SK-MW-19	SK-MW-19	SK-MW-19
	Sample ID	1634506	1647357	1846194	1018179	1634485	1647341	1846187
	Sample Date	06/06/1997	11/21/1997	10/01/1999	09/11/1996	06/04/1997	11/20/1997	09/29/1999
	Sample Time	:	15:30	12:15	14:26	11:35	11:45	10:55
	Sample Depth	49.0' - 59.0'	49.0' - 59.0'	49.0' - 59.0'	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'
	Laboratory	QUAN	QUAN	QUAN	AEL	QUAN	QUAN	QUAN
	Lab. Number	A7F090101008	A7K240127006	A9J020168002	AEL96010191	A7F050147008	A7K240137004	A9J010129012
Constituent	Units							
Depth of Well	FT		55.25	56	17.17	17.17	17.20	17.17
Depth to Water	FT		8.32	9.06	10.19	9.05	9.86	8.87
Water Elevation	FT		36.70	35.96	38.80	39.94	39.13	40.12
Date Metals Analyzed	-	06/20/1997	12/01/1997	10/05/1999	09/17/1996	06/17/1997	12/07/1997	10/11/1999
Date Organics Analyzed	-				09/17/1996		11/30/1997	
Arsenic	mg/L	0.124	0.0635					
Arsenic (Unfiltered)	mg/L			0.0454				
Cadmium	mg/L				0.0168	0.0270	0.0350	0.0119
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L	1.34						
Copper (Unfiltered)	mg/L			0.143				
Lead	mg/L	0.467	0.204					
Lead (Unfiltered)	mg/L			0.0681				
Mercury	mg/L	0.00045						
Mercury (Unfiltered)	mg/L							
Nickel	mg/L	1.22						
Zinc	mg/L	3.47	1.37					
Zinc (Unfiltered)	mg/L			0.439				
Tetrachloroethylene	µg/l				97		110	

Notes: 1. Only Exceedances Shown
2. Printed on 08/21/00

Table 4
EXCEEDANCES-SURFACE WATER CRITERIA FOR SUBSTANCES IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-19	SK-MW-20	SK-MW-20	SK-MW-20	SK-MW-20	SK-MW-21	SK-MW-22
	Sample ID	1846187	1018104	1634487	1647353	1846182	1647343	1647351
	Sample Date	09/29/1999	09/12/1996	06/04/1997	11/21/1997	09/29/1999	11/20/1997	11/21/1997
	Sample Time	10:55	15:23	13:15	12:10	09:20	13:45	10:56
	Sample Depth	3.5' - 13.5'	4.0' - 14.0'	4.0' - 14.0'	4.0' - 14.0'	4.0' - 14.0'	3.5' - 13.5'	3.0' - 13.0'
	Laboratory	QUAN	AEL	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A9J010129013	AEL96010293	A7F050147010	A7K240127003	A9J010129002	A7K240137006	A7K240127001
Constituent	Units							
Depth of Well	FT	17.17	17.27	17.27	17.28	17.27	13.14	16.02
Depth to Water	FT	8.87	12.02	11.02	11.88	10.31	8.41	10.10
Water Elevation	FT	40.12	38.03	39.03	38.17	39.74	39.45	37.34
Date Metals Analyzed	-	10/11/1999						12/01/1997
Date Organics Analyzed	-		09/22/1996	06/17/1997	12/04/1997	10/06/1999	12/03/1997	
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L							
Cadmium	mg/L							0.0073
Cadmium (Unfiltered)	mg/L	0.0135						
Chromium	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L							
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Zinc	mg/L							
Zinc (Unfiltered)	mg/L							
Tetrachloroethylene	µg/l		8000	2500	4700	1200	4000	

Notes: 1. Only Exceedances Shown
2. Printed on 08/21/00

Table 4
EXCEEDANCES-SURFACE WATER CRITERIA FOR SUBSTANCES IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-24	SK-MW-24	SK-MW-24	SK-MW-26a	SK-SB-269	SK-SB-269	SK-SB-270
	Sample ID	1018177	1018178	1846185	1952723	1948113	1948114	1948115
	Sample Date	09/11/1996	09/11/1996	09/29/1999	02/03/2000	01/27/2000	01/27/2000	01/27/2000
	Sample Time	14:10	14:15	10:20	10:30	10:15	10:35	11:00
	Sample Depth	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'	5' - 9'	5' - 9'	10' - 14'	4' - 8'
	Laboratory	AEL	AEL	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	AEL96010189	AEL96010190	A9J010129008	A0B040166007	A0A280163002	A0A280163004	A0A280163006
Constituent	Units							
Depth of Well	FT	15.83	15.83	15.82				
Depth to Water	FT	9.12	9.12	8.37				
Water Elevation	FT	40.03	40.03	40.78				
Date Metals Analyzed	-			10/06/1999	02/10/2000	02/02/2000	02/02/2000	02/02/2000
Date Organics Analyzed	-	09/17/1996	09/17/1996					
Arsenic	mg/L			0.0060				
Arsenic (Unfiltered)	mg/L				0.0237	0.0041	0.0120	0.0384
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L				0.149			
Chromium	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L				0.0551		0.0470	0.0224
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Zinc	mg/L							
Zinc (Unfiltered)	mg/L				0.236		0.312 MB	
Tetrachloroethylene	µg/l	710	680					

Notes: 1. Only Exceedances Shown
2. Printed on 08/21/00

Table 4
EXCEEDANCES-SURFACE WATER CRITERIA FOR SUBSTANCES IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-270	SK-SB-271	SK-SB-272	SK-SB-272	SK-SB-273	SK-SB-273	SK-SB-274
	Sample ID	1948116	1948118	1948107	1948108	1948105	1948106	1948097
	Sample Date	01/27/2000	01/27/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000
	Sample Time	11:20	12:00	15:15	15:20	14:30	14:35	11:00
	Sample Depth	8' - 12'	8' - 12'	5.5' - 8'	10' - 14'	5.5' - 7'	8' - 12'	5.5' - 7'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A280163008	A0A280163012	A0A210207026	A0A210207028	A0A210207022	A0A210207024	A0A210207006
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-	02/02/2000	02/02/2000	02/01/2000	02/01/2000	02/01/2000	02/01/2000	02/01/2000
Date Organics Analyzed	-							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.0062	0.0046	0.0069	0.0063	0.0298	0.0134	0.0085
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L			0.0194	0.0240	0.0355	0.0395	0.0161
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Zinc	mg/L							
Zinc (Unfiltered)	mg/L			0.165	0.215	0.171	0.241	
Tetrachloroethylene	µg/l							

Notes: 1. Only Exceedances Shown
2. Printed on 08/21/00

Table 4
EXCEEDANCES-SURFACE WATER CRITERIA FOR SUBSTANCES IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-274	SK-SB-275	SK-SB-275	SK-SB-276	SK-SB-277	SK-SB-278	SK-SB-279
	Sample ID	1948098	1948095	1948096	1948104	1948100	1948102	1948093
	Sample Date	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/20/2000	01/19/2000
	Sample Time	11:10	10:10	10:20	14:15	11:45	13:45	14:20
	Sample Depth	7' - 11'	5.5' - 7.0'	7' - 11'	7' - 11'	7' - 11'	7' - 11'	5' - 9'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A210207008	A0A210207002	A0A210207004	A0A210207020	A0A210207012	A0A210207016	A0A200189044
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-	02/01/2000	02/01/2000	02/01/2000	02/01/2000	02/01/2000	02/01/2000	01/28/2000
Date Organics Analyzed	-							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.0194	0.0062	0.0059	0.0078	0.0042	0.0058	0.0305
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L	0.0461	0.0141	0.0234	0.0253	0.0160	0.0227	0.131
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							0.00045
Nickel	mg/L							
Zinc	mg/L							
Zinc (Unfiltered)	mg/L	0.513	0.125 L	0.314	0.351	0.176		0.655
Tetrachloroethylene	µg/l							

Notes: 1. Only Exceedances Shown
2. Printed on 08/21/00

Table 4
EXCEEDANCES-SURFACE WATER CRITERIA FOR SUBSTANCES IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-279	SK-SB-281	SK-SB-282	SK-SB-283	SK-SB-284	SK-SB-284	SK-SB-286
	Sample ID	1948094	1948122	1948124	1958129	1958130	1958131	1958132
	Sample Date	01/19/2000	01/27/2000	01/27/2000	02/01/2000	02/01/2000	02/01/2000	02/01/2000
	Sample Time	14:25	13:45	14:15	11:40	13:15	13:30	14:20
	Sample Depth	7' - 11'	5' - 9'	5' - 9'	12' - 16'	5' - 9'	12' - 16'	6' - 10'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0A200189045	A0A280163018	A0A280163022	A0B020201009	A0B020201010	A0B020201011	A0B020201012
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-	01/28/2000	02/02/2000	02/02/2000	02/10/2000	02/10/2000	02/10/2000	02/10/2000
Date Organics Analyzed	-							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.028	0.0046	0.0058	0.0180	0.0359	0.0114	0.0086
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L							
Chromium	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L	0.118	0.0171	0.0176	0.0406	0.0806	0.0323	0.0162
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Zinc	mg/L							
Zinc (Unfiltered)	mg/L	0.642			0.258	0.328	0.135	
Tetrachloroethylene	µg/l							

Notes: 1. Only Exceedances Shown
2. Printed on 08/21/00

Table 4
EXCEEDANCES-SURFACE WATER CRITERIA FOR SUBSTANCES IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-286	SK-SB-287	SK-SB-287	SK-SB-288	SK-SB-289	SK-SB-289	SK-SB-290
	Sample ID	1958133	1952729	1952728	1952731	1952733	1952732	1952734
	Sample Date	02/01/2000	02/16/2000	02/16/2000	02/16/2000	02/16/2000	02/16/2000	02/17/2000
	Sample Time	14:40	12:00	11:45	13:35	15:20	15:00	10:40
	Sample Depth	12.5' - 16.5'	5.5' - 9.5'	10' - 14'	11' - 15'	6' - 10'	11' - 15'	5' - 9'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0B020201013	A0B180179002	A0B180179001	A0B180179004	A0B180179006	A0B180179005	A0B180179008
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-	02/10/2000	02/23/2000	02/23/2000	02/23/2000	02/23/2000	02/23/2000	02/24/2000
Date Organics Analyzed	-							
Arsenic	mg/L							
Arsenic (Unfiltered)	mg/L	0.0087	0.0406	0.0250	0.0120	0.0056	0.0104	0.0568
Cadmium	mg/L							
Cadmium (Unfiltered)	mg/L			0.0135				0.0095
Chromium	mg/L							
Copper (Unfiltered)	mg/L							
Lead	mg/L							
Lead (Unfiltered)	mg/L	0.0183	0.0945	0.0542 L	0.0329	0.0165	0.0252	0.177
Mercury	mg/L							
Mercury (Unfiltered)	mg/L							
Nickel	mg/L							
Zinc	mg/L							
Zinc (Unfiltered)	mg/L		0.455	0.832 L	0.363	0.208	0.176	1.04
Tetrachloroethylene	µg/l							

Notes: 1. Only Exceedances Shown
2. Printed on 08/21/00

Table 4
EXCEEDANCES-SURFACE WATER CRITERIA FOR SUBSTANCES IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-SB-290	SK-SB-291	SK-SB-292	SK-SB-292	SK-SB-293	SK-SB-294
	Sample ID	1952735	1952737	1952738	1952739	1952740	1952742
	Sample Date	02/17/2000	02/17/2000	02/17/2000	02/17/2000	02/17/2000	02/18/2000
	Sample Time	10:40	12:05	14:10	14:15	15:30	10:20
	Sample Depth	12' - 16'	12' - 16'	5' - 9'	12' - 16'	14' - 18'	12' - 16'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A0B180179009	A0B180179011	A0B180179012	A0B180179013	A0B180179014	A0B210110001
Constituent	Units						
Depth of Well	FT						
Depth to Water	FT						
Water Elevation	FT						
Date Metals Analyzed	-	02/24/2000	02/23/2000	02/23/2000	02/23/2000	02/23/2000	02/23/2000
Date Organics Analyzed	-					02/24/2000	02/24/2000
Arsenic	mg/L						
Arsenic (Unfiltered)	mg/L	0.0765	0.0087	0.0079	0.0105	0.0199	0.0186
Cadmium	mg/L						
Cadmium (Unfiltered)	mg/L	0.0134				0.0974	
Chromium	mg/L						
Copper (Unfiltered)	mg/L						
Lead	mg/L						
Lead (Unfiltered)	mg/L	0.202	0.0277		0.0263	0.0350	0.0391
Mercury	mg/L						
Mercury (Unfiltered)	mg/L						
Nickel	mg/L						
Zinc	mg/L						
Zinc (Unfiltered)	mg/L	0.769	0.232		0.147	0.17	0.216
Tetrachloroethylene	µg/l					380	390

Notes: 1. Only Exceedances Shown
2. Printed on 08/21/00

Table 5
EXCEEDANCES-RESIDENTIAL VOLATILIZATION CRITERIA FOR SUBSTANCES IN GROUNDWATER
P&W East Hartford: South Klondike VPSA Additional Investigation

	Location ID	SK-MW-20	SK-MW-20	SK-MW-20	SK-MW-21	SK-MW-24	SK-MW-24	SK-SB-293
	Sample ID	1018104	1634487	1647353	1647343	1018177	1018178	1952740
	Sample Date	09/12/1996	06/04/1997	11/21/1997	11/20/1997	09/11/1996	09/11/1996	02/17/2000
	Sample Time	15:23	13:15	12:10	13:45	14:10	14:15	15:30
	Sample Depth	4.0' - 14.0'	4.0' - 14.0'	4.0' - 14.0'	3.5' - 13.5'	3.0' - 13.0'	3.0' - 13.0'	14' - 18'
	Laboratory	AEL	QUAN	QUAN	QUAN	AEL	AEL	QUAN
	Lab. Number	AEL96010293	A7F050147010	A7K240127003	A7K240137006	AEL96010189	AEL96010190	A0B180179014
Constituent	Units							
Depth of Well	FT	17.27	17.27	17.28	13.14	15.83	15.83	
Depth to Water	FT	12.02	11.02	11.88	8.41	9.12	9.12	
Water Elevation	FT	38.03	39.03	38.17	39.45	40.03	40.03	
Date Organics Analyzed	-	09/22/1996	06/17/1997	12/04/1997	12/03/1997	09/17/1996	09/17/1996	02/24/2000
1,1-Dichloroethylene	µg/L	2.5						
Vinyl Chloride	µg/L					3.2	3.0	
Tetrachloroethylene	µg/L	8000	2500	4700	4000			
Trichloroethylene	µg/l	280				580	550	400

Notes: 1. Only Exceedances Shown
2. Printed on 08/21/00

DRAWINGS

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DRAWING 1: SOUTH KLONDIKE AREA, ADDITIONAL INVESTIGATION, LOCATIONS & CONSTITUENTS DETECTED IN SOIL

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

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