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March 5, 2014
Cardno ERI 03122701L.R07

Mr. Aaron Thom
ExxonMobil Environmental Services
2555 W. 190th
Torrance, California 90504

SUBJECT **System Installation Design Report**
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Mr. Thom:

At the request of ExxonMobil Environmental Services (EMES), on behalf of ExxonMobil Oil Corporation (ExxonMobil), Cardno ERI prepared this system installation design report for the subject site. The proposed work consists of the installation of NAPL skimmers, filters, product piping, and secondary containment for NAPL recovery and storage.

SITE DESCRIPTION

Grant County Airport is located immediately north of the City of Moses Lake in Grant County, Washington. The site lies at an elevation of approximately 1,170 feet above msl (Plate 1). Former ExxonMobil-leased facilities include fueling hydrants located in the southern portion of the airport, two aboveground storage tanks (ASTs) (Storage Tank #38 and #24, with capacities of 54,390 barrels (bbl) and 27,426 bbl, respectively) located south of the airport, and associated product piping runs, all of which have historically been used to dispense jet fuel. The generalized site plan for Pumphouse #1 is shown on Plate 2.

PREVIOUS WORK

Environmental investigation and remediation activities have been conducted at the site by various consultants since 1992. Previous assessment and remedial work has included the advancement of soil borings, well installation, well destruction, UST decommissioning, and NAPL recovery. Cumulative soil analytical results are summarized in Table 1. Cumulative groundwater analytical results are summarized in Table 2. Based on a review of current and historical data, JP-4/diesel #1 (Jet A Fuel) has been observed in the water-bearing zone at approximately 90 feet bgs in the vicinity of Pumphouse #1.

Previous consultants indicate that periodic groundwater monitoring and sampling activities were initiated on January 28, 1993. Periodic NAPL removal has occurred on the site beginning in 1993. Remedial activities have included hand-bailing, passive skimmers, and the installation of NAPL recovery systems. A total of approximately 140 gallons of hydrocarbons had reportedly been recovered from the site through 2006. Semiannual groundwater monitoring and sampling activities conducted in 2010 and 2011 indicate measurable NAPL in 7 of 17 wells installed in the vicinity of Pumphouse #1 ranging from 0.11 to 2.69 feet in thickness (Cardno ERI, 2012).

Cardno ERI conducted a baildown test at the subject site in 2010 to determine the conductivity of the NAPL through the site and the recoverability of the NAPL (Cardno ERI, 2011). Results of the baildown test indicated that NAPL conductivity and NAPL recharge in the wells on the site is very low, in the range of 0.0023 ft/day. Based on these results, it was determined that an intermittent recovery system would be a feasible NAPL recovery approach.

PROPOSED SYSTEM INSTALLATION

Cardno ERI proposes the installation of NAPL recovery skimmers with hydrophobic floating filters, specified for Jet A Fuel, in up to five wells at a time to remove NAPL. Continuous NAPL recovery systems will not be employed in favor of intermittent recovery systems which require less maintenance and lower NAPL recharge rates. In addition, assumed variability in NAPL recharge rates will require that each well be controlled separately. Proposed recovery wells were chosen based upon the continual presence of measurable NAPL, as indicated in the cumulative groundwater analytical results (Table 2).

The proposed NAPL recovery system will consist of a pneumatic ADJ200 Smart Skimmer and a programmable XiTech Instruments, Inc. (XiTech) Controller Model 5010E which operates the skimmer intermittently, records run time, and will be provided with two high level tank sensors (one High for high level alarm and a High-High level alarm that will shut the system down). The 5010E controller has the ability to control up to 8 wells independently, which will allow each of the wells to be pumped separately for the pre-determined amount of time to account for the

variable NAPL recharge rates and thicknesses in each well. The electrical connection for the air compressor and the pump controller will be pulled from an existing connection outside Pumphouse No. 1. The electrical line will be run underground from the pump house to the XiTech controller box with a toning wire and warning strip placed 6" above the electrical conduit.

The control system will monitor the system's alarm conditions and provide fault notification through cellular communications (autodialer). The telemetry system will provide alarm notification via voice message and/or text message. The system will allow for a tiered notification list, with a user-defined delay before notifying the next tier if an alarm condition is not acknowledged by the previous tier. The telemetry system will have battery backup and be able to provide notification that a power failure has occurred. The control system will also activate system status lights (green for "OK", red for "Alarm") visible near the pump control box. The monitoring system will be supplied by the contractor.

The vapor sensors for the secondary containment piping will be Omntec BX-VS solid state sensors, or engineer approved equal, and placed inside the piping near the end of the run as the piping comes out of the ground. The secondary containment piping will increase in diameter to 3" approximately 3 feet prior to exiting the ground, as shown on Plate 3. All of the sensors will be connected to an Omntec OEL8000II automatic tank-gauging and leak-detection system or engineer approved equal, for system monitoring. The leak detection system will have an alarm output to the autodialer and to the XiTech pump controller to shut off the pumping system.

Trenches will be dug from the controller to each well that will be used for NAPL recovery, as depicted on Plate 3. Each secondary containment pipe will include piping for NAPL recovery and air supply for each pneumatic skimmer. Vapor sensors will be installed in the interstitial space of each of the secondary containment pipes surrounding the product recovery lines that will stop system operation if the concentration reaches 20 ppm. The vapor sensors and wiring will be supplied by the contractor and must be compatible with the telemetry system. All piping trenches will have toning wire and warning strip placed 6" above piping.

Recovered NAPL will be stored in an on-site double-walled aboveground storage tank (AST). The AST will be constructed of mild carbon steel and will hold up to 1,000 gallons, but no more than 1,100 gallons. The AST will be painted using urethane based paint. A palette of available colors will be sent to the project manager prior to painting the tank for client review and color selection. The tank will be equipped with a vent open to the atmosphere appropriate for hydrocarbon storage. The secondary containment will be designed to hold a minimum of 110% of the holding tank capacity and will be installed with a liquid sensor and a vapor sensor in the interstitial space between the tank walls that will shut the system down to prevent release of any liquid to the environment in the event of a failure of the AST. The proposed system setup and critical equipment is shown on the Piping &

Instrumentation Diagram (Plate 4). The fieldwork will be conducted under the advisement of a professional engineer and in accordance with applicable regulatory guidelines.

The gravel pad will be a minimum of 10' by 30' and a minimum of 6" deep. The gravel will consist of granular material either naturally occurring or processed. It will be essentially free from various types of wood waste or other extraneous or objectionable materials. The pad will be compacted to 95% of the maximum density.

Sieve Size	Percent Passing
2″	75-100
No. 4	22-100
No. 200	0-10
Dust Ratio:	⅔ max.
Sand Equivalent	30 min.

All percentages are by weight.

Report

After completion of the proposed system installation, a report summarizing field activities will be submitted to EMES and the Washington State Department of Ecology (Ecology). The report will be signed by a State of Washington professional engineer.

LIMITATIONS

For any documents cited that were not generated by Cardno ERI, the data taken from those documents is used "as is" and is assumed to be accurate. Cardno ERI does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents.

This report and the works performed have been undertaken in good faith, with due diligence and with the expertise, experience capability and specialized knowledge necessary to perform the Work in a good and workmanlike manner and within all accepted standards pertaining to providers of environmental services, in Washington at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

Cardno ERI appreciates the opportunity to provide assistance on this project. Please contact Michael J. Miller, Cardno ERI's project manager for the site, at 206 767 2360, if you have any questions.

Sincerely,

Michael J. Miller
Project Manager
for Cardno ERI
Direct Line 206 767 2360
Email: michael.miller@cardno.com

Ryan Pozzuto
Program Manager
for Cardno ERI
Direct Line 206 575 1527
Email: ryan.pozzuto@cardno.com

ENCLOSURES

References
Acronym List

Plate 1	Site Location Map
Plate 2	Generalized Site Plan (Pumphouse #1)
Plate 3	Proposed Remediation System Trenching Map
Plate 4	Piping & Instrumentation Diagram

Table 1	Cumulative Soil Analytical Results
Table 2	Cumulative Groundwater Analytical Results

REFERENCES

Cardno ERI. January 6, 2011. *Baildown Test Report, Grant County Airport, Former Fueling Facilities, 7810 Andrews Street Northeast, Moses Lake, Washington.*

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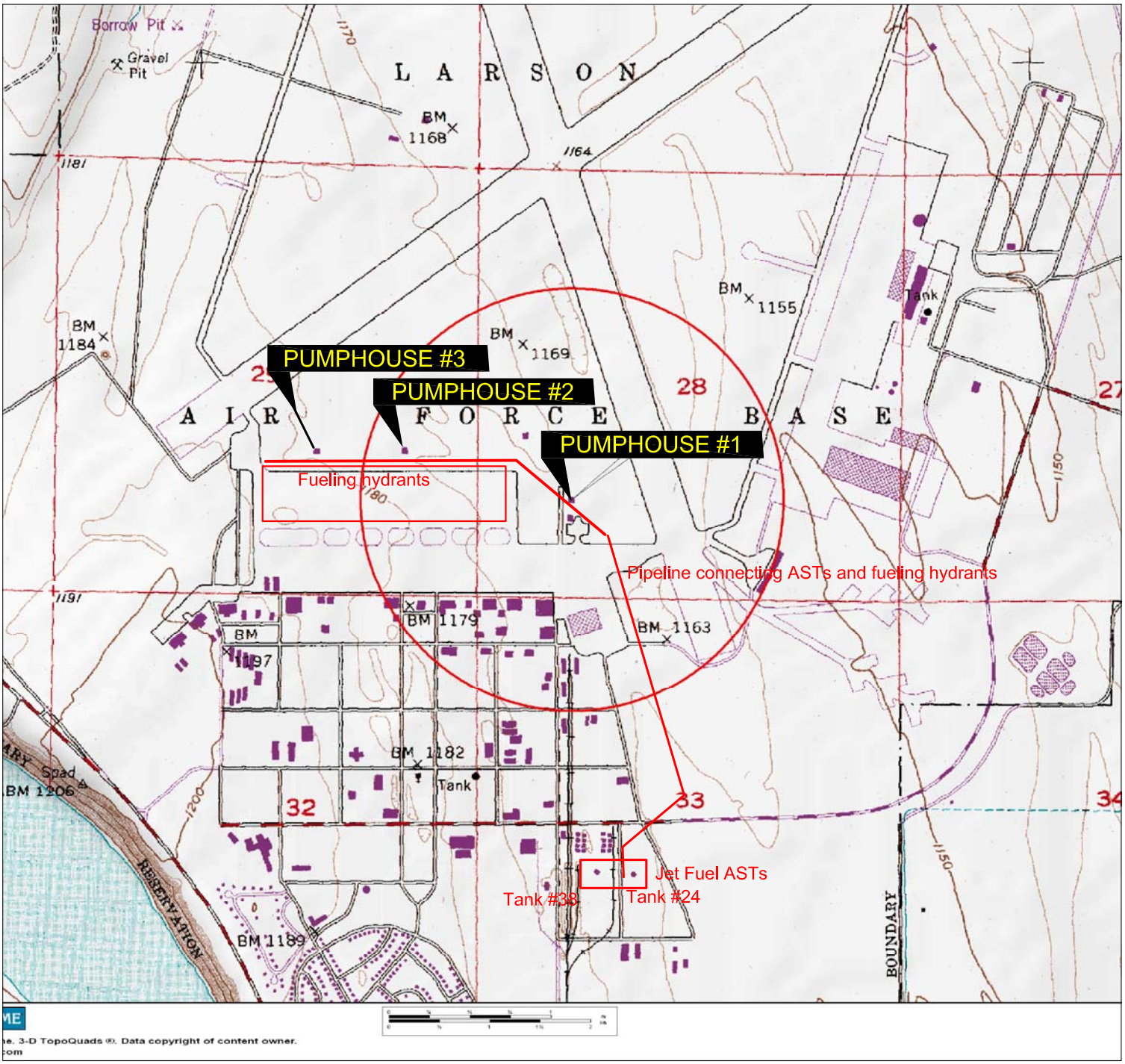
ACRONYM LIST

µg/L	Micrograms per liter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
CEQA	California Environmental Quality Act
cfm	Cubic feet per minute
COC	Chain of Custody
CPT	Cone Penetration (Penetrometer) Test
DIPE	Di-isopropyl ether
DO	Dissolved oxygen
DOT	Department of Transportation
DPE	Dual-phase extraction
DTW	Depth to water
EDB	1,2-dibromoethane
EPA	Environmental Protection Agency
ESL	Environmental screening level
ETBE	Ethyl tertiary butyl ether
FID	Flame-ionization detector
fpm	Feet per minute
GAC	Granular activated carbon
gpd	Gallons per day
gpm	Gallons per minute
GWPTS	Groundwater pump and treat system
HVOC	Halogenated volatile organic compound
J	Estimated value between MDL and PQL (RL)
LEL	Lower explosive limit
LPC	Liquid-phase carbon
LRP	Liquid-ring pump
LUFT	Leaking underground fuel tank
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MDL	Method detection limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
MPE	Multi-phase extraction
MRL	Method reporting limit
msl	Mean sea level
MTBE	Methyl tertiary butyl ether
MTCA	Model Toxics Control Act
NAI	Natural attenuation indicators
NAPL	Non-aqueous phase liquid
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
ORP	Oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OVA	Organic vapor analyzer
P&ID	Process & Instrumentation Diagram
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene or perchloroethylene
PID	Photo-ionization detector
PLC	Programmable logic control
POTW	Publicly owned treatment works
ppmv	Parts per million by volume
PQL	Practical quantitation limit
psi	Pounds per square inch
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
RBSL	Risk-based screening levels
RCRA	Resource Conservation and Recovery Act
RL	Reporting limit
scfm	Standard cubic feet per minute
SSTL	Site-specific target level
STLC	Soluble threshold limit concentration
SVE	Soil vapor extraction
SVOC	Semivolatile organic compound
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TCE	Trichloroethene
TOC	Top of well casing elevation; datum is msl
TOG	Total oil and grease
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
TPHmo	Total petroleum hydrocarbons as motor oil
TPHs	Total petroleum hydrocarbons as stoddard solvent
TRPH	Total recoverable petroleum hydrocarbons
UCL	Upper confidence level
USCS	Unified Soil Classification System
USGS	United States Geologic Survey
UST	Underground storage tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound
VPC	Vapor-phase carbon



FN 0312270001

EXPLANATION

1/2-mile Radius Circle From Pumphouse #1

N

APPROXIMATE SCALE

0 0.5 1 mile

SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads

DRAFT

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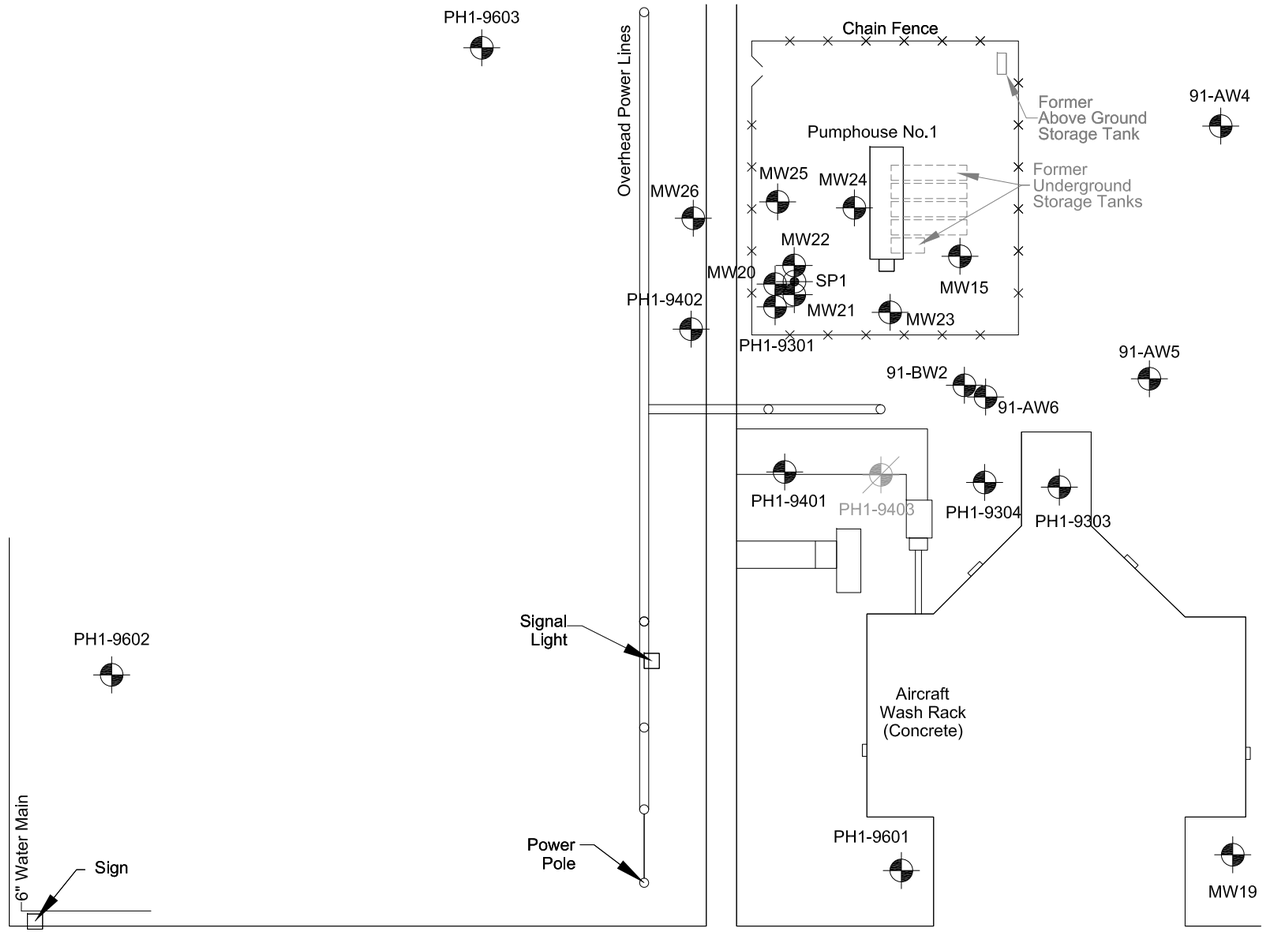
SITE LOCATION MAP

GRANT COUNTY AIRPORT
FORMER FUELING FACILITIES
7810 Andrews Street Northeast
Moses Lake, Washington

PROJECT NO.
031227

PLATE
1
NAG: 01/12/12



SOURCE:
Modified from a map provided by
Secor International Inc.

FN 0312270002

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GENERALIZED SITE PLAN (PUMPHOUSE #1)

GRANT COUNTY AIRPORT
FORMER FUELING FACILITIES
7810 Andrews Street Northeast
Moses Lake, Washington

EXPLANATION

PH1-9603 Groundwater Monitoring Well

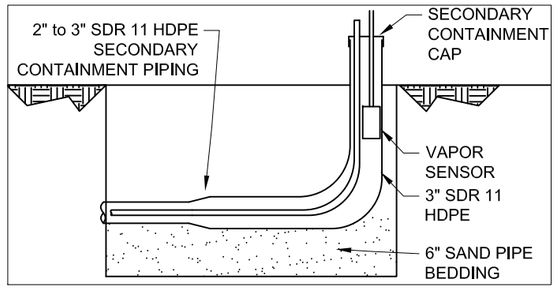
PH1-9403 Destroyed Groundwater Monitoring Well

DRAFT

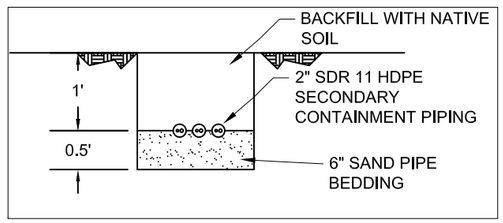
PROJECT NO.
031227

PLATE
2

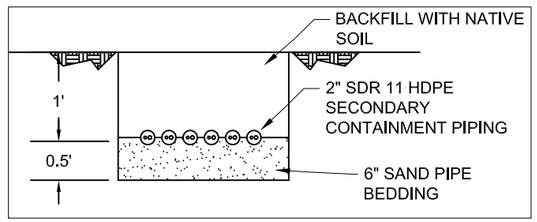
EJB: 07/01/13



1 / P-3 VAPOR SENSOR INSTALLATION DETAIL



A / P-3 TRENCH CROSS-SECTION



B / P-3 TRENCH CROSS-SECTION

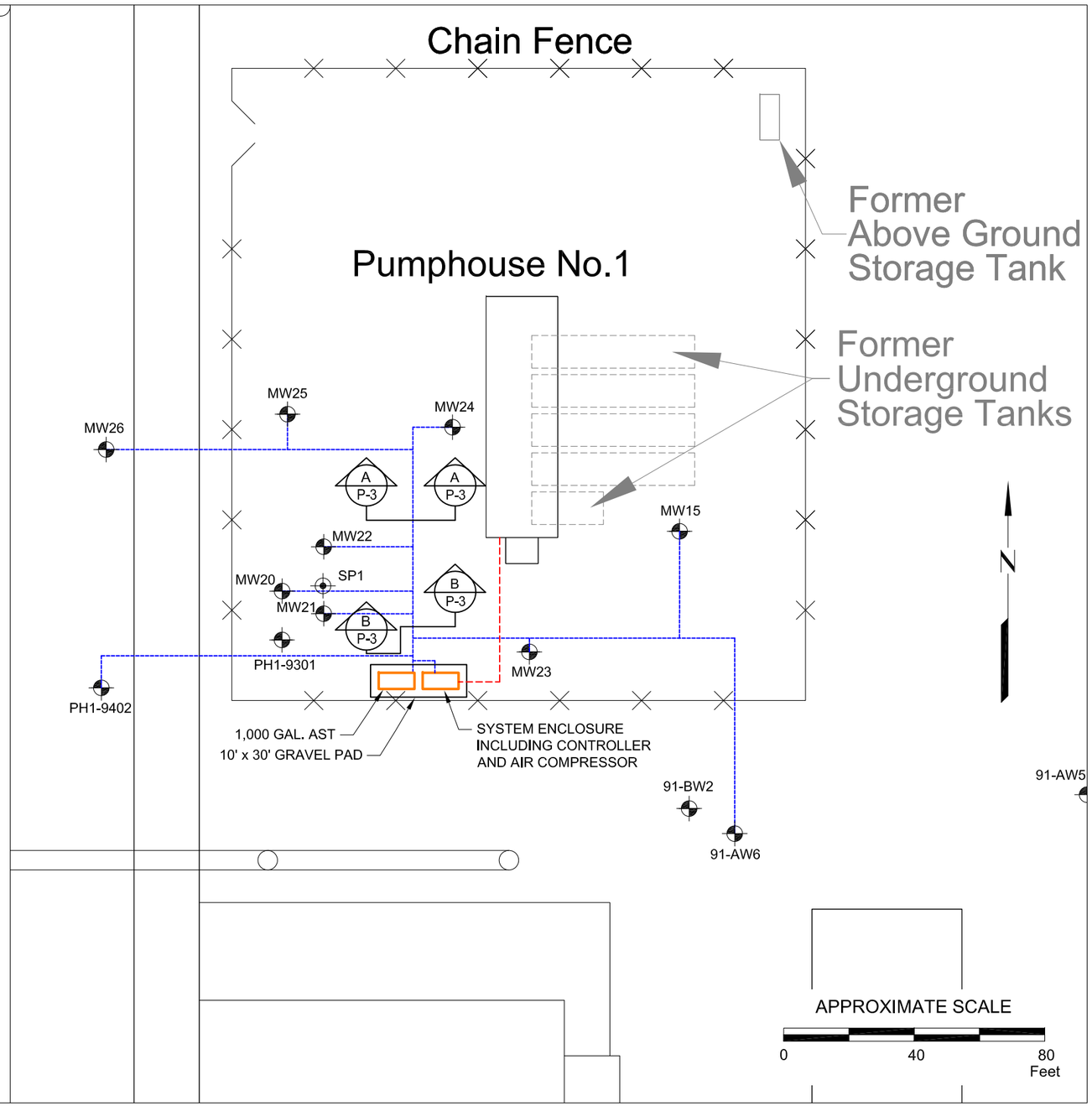
PIPING SCHEDULE

SERVICE	UNDERGROUND / ABOVEGROUND	PIPE MATERIAL	INSULATION REQUIRED
AIR	UNDERGROUND	WHITE NYLON	NO
AIR	ABOVEROUND	WHITE NYLON	NO
PRODUCT	UNDERGROUND	NITRILE (BUNA N)	NO
PRODUCT	ABOVEGROUND	NITRILE (BUNA N)	YES
SECONDARY CONTAINMENT	UNDERGROUND	SDR 11 HDPE	NO
	ABOVEGROUND	SDR 11 HDPE	NO

SOURCE:
Modified from a map provided by Secor International Inc.

PH1-9603

Overhead Power Lines



FN 0312270002

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PROPOSED REMEDIATION SYSTEM TRENCHING MAP (PUMPHOUSE #1)

GRANT COUNTY AIRPORT
FORMER FUELING FACILITIES
7810 Andrews Street Northeast
Moses Lake, Washington

EXPLANATION

PH1-9603 Groundwater Monitoring Well

SP1 Steam Injection Well

Proposed Remediation System Trenching

Proposed Remediation System Electrical

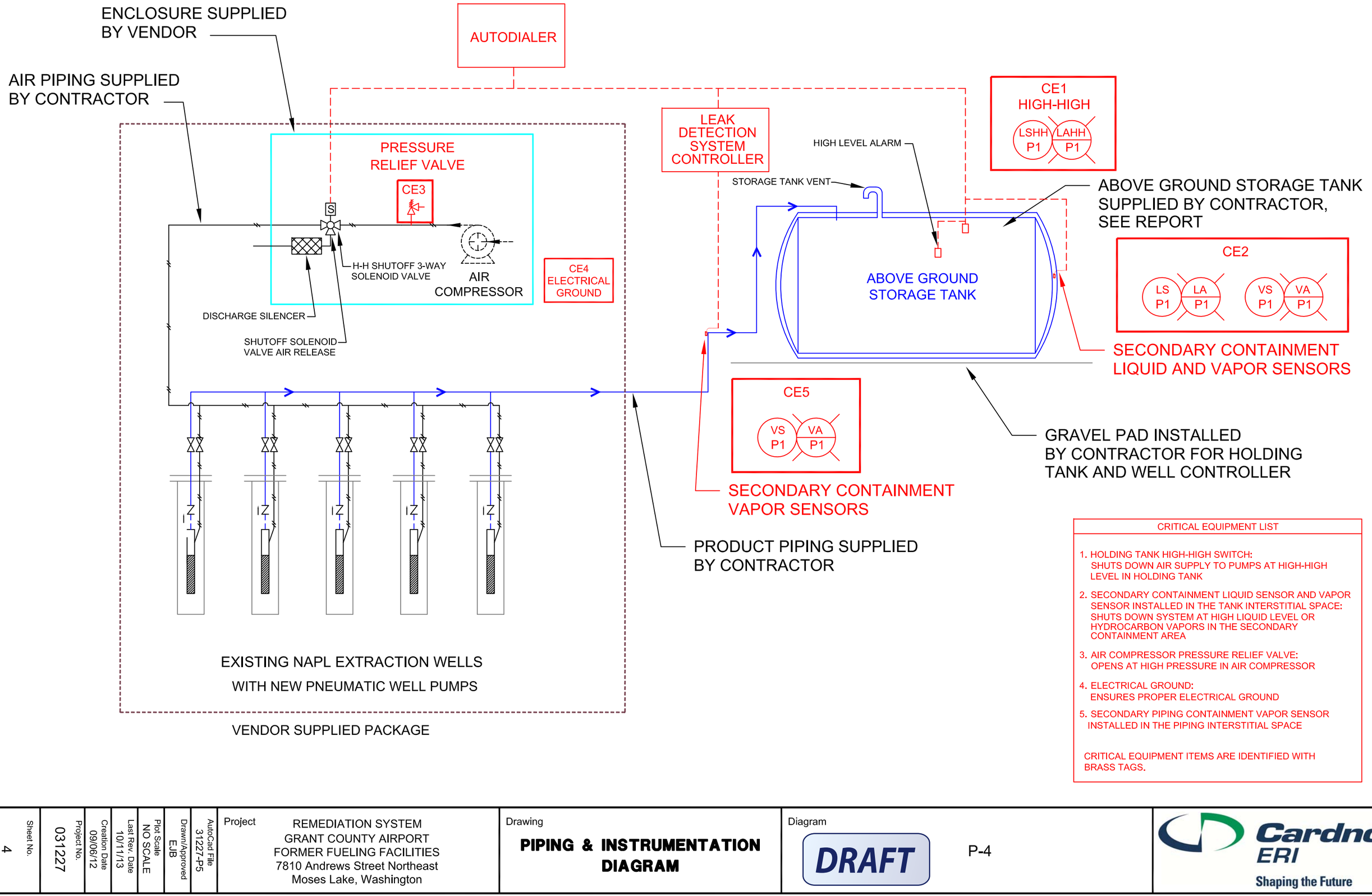
Proposed Remediation Compound

DRAFT

PROJECT NO. 031227

PLATE 3

EJB: 10/11/13



CRITICAL EQUIPMENT LIST

1. HOLDING TANK HIGH-HIGH SWITCH:
   SHUTS DOWN AIR SUPPLY TO PUMPS AT HIGH-HIGH LEVEL IN HOLDING TANK
2. SECONDARY CONTAINMENT LIQUID SENSOR AND VAPOR SENSOR INSTALLED IN THE TANK INTERSTITIAL SPACE:
   SHUTS DOWN SYSTEM AT HIGH LIQUID LEVEL OR HYDROCARBON VAPORS IN THE SECONDARY CONTAINMENT AREA
3. AIR COMPRESSOR PRESSURE RELIEF VALVE:
   OPENS AT HIGH PRESSURE IN AIR COMPRESSOR
4. ELECTRICAL GROUND:
   ENSURES PROPER ELECTRICAL GROUND
5. SECONDARY PIPING CONTAINMENT VAPOR SENSOR INSTALLED IN THE PIPING INTERSTITIAL SPACE

CRITICAL EQUIPMENT ITEMS ARE IDENTIFIED WITH BRASS TAGS.

Sheet No.	Project No.	Creation Date	Last Rev. Date	Plot Scale	Drawn/Approved	AutoCad File	Project	Drawing	Diagram
4	031227	09/06/12	10/11/13	NO SCALE	EJB	31227-P5	REMEDIATION SYSTEM GRANT COUNTY AIRPORT FORMER FUELING FACILITIES 7810 Andrews Street Northeast Moses Lake, Washington	**PIPING & INSTRUMENTATION DIAGRAM**	DRAFT P-4

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TABLE 1
CUMULATIVE SOIL ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Sample Name	Well ID	Sample Date	Sample Depth (ft bgs)	TPH as Jet A Fuel (mg/kg)	TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)	TOC (mg/kg)	Total Heterotroph Mean Value (CFU/g)	Total Heterotroph Standard deviation (CFU/g)	Diesel Degraders Mean Value (CFU/g)	Diesel Degraders Standard deviation (CFU/g)
Science & Engineering Analysis Corporation (SEACOR) - Site Assessment Report for 23 Underground Storage Tanks at Grant County Municipal Airport - November 12, 1992:																	
Pit 1 13'	NA	09/25/92	13.0	**2,000**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B1-3	NA	09/26/92	13.5-15.0	**4,600**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B1-6	NA	09/26/92	28.5-30.0	**1,600**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B2-4	NA	09/26/92	18.5-20.0	**5,800**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B2-5	NA	09/26/92	23.5-25.0	**4,700**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B3-3	NA	09/26/92	12.0-13.5	**4,800**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B4-2	NA	09/27/92	8.5-10.0	**6,900**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B4-3	NA	09/27/92	11.0-12.0	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B5-2	NA	09/27/92	8.5-10.0	**4,100**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B5-3	NA	09/27/92	11.0-12.0	**1,100**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B6-2	NA	09/27/92	8.5-10.0	**3,900**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B6-3	NA	09/27/92	11.0-12.0	**3,400**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B7-3	NA	09/27/92	13.5-15.0	41	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B8-2	NA	09/27/92	9.5-11.0	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B9-2	NA	09/27/92	9.5-11.0	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B10-2	NA	09/27/92	9.5-11.0	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B11-3	NA	09/27/92	13.5-15.0	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B12-3	NA	09/27/92	13.5-15.0	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B13-4	NA	09/27/92	18.5-20.0	**4,200**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B13-5	NA	09/27/92	23.5-25.0	**8,100**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B14-3	NA	09/27/92	13.5-15.0	**8,600**	--	--	--	--	--	--	--	--	--	--	--	--	--
PH1-B14-4	NA	09/27/92	18.5-20.0	**7,500**	--	--	--	--	--	--	--	--	--	--	--	--	--
Secor International, Inc. (SECOR) - Site Assessment Focused Feasibility Study and Fate and Transport Modeling Report - August 18, 1997:																	
PH1-9601	NA	08/08/96	82	<10.0	--	--	--	--	--	--	--	--	84.5	73,700	±10,600	40,700	±3,060
PH1-9602	NA	08/07/96	85	<10.0	--	--	--	--	--	--	--	--	<50.0	105,000	±5,690	58,400	±50,700
PH1-9603	NA	08/06/96	87	<10.0	--	--	--	--	--	--	--	--	<50.0	157,000	± 31,000	60,300	± 24,900
Environmental Resolutions, Inc. (ERI) - Monitoring Well Installation and Groundwater Monitoring Report - July 3, 2008:																	
S-6-B1	MW13	04/28/08	6	--	<5.92	<3.94	18.0	<0.0296	<0.0592	<0.0592	<0.178	3.21	--	--	--	--	--
S-94-B1	MW13	04/29/08	94	--	<6.61	<4.09	15.5	<0.0330	<0.0661	<0.0661	<0.198	--	--	--	--	--	--
S-101-B1	MW13	04/29/08	101	--	<5.67	<4.07	10.4	<0.0284	<0.0567	<0.0567	<0.170	--	--	--	--	--	--
S-110-B1	MW13	04/29/08	110	--	<4.77	<4.38	<4.38	<0.0239	<0.0477	<0.0477	<0.143	--	--	--	--	--	--
S-10-B2	MW14	05/01/08	10	--	<5.39	<3.99	<3.99	<0.0269	<0.0539	<0.0539	<0.162	2.54	--	--	--	--	--
S-100-B2	MW14	05/01/08	100	--	<6.81	4.84	5.60	<0.0340	<0.0681	<0.0681	<0.204	--	--	--	--	--	--
S-108-B2	MW14	05/01/08	108	--	<4.06	<4.41	<4.41	<0.0203	<0.0406	<0.0406	<0.122	--	--	--	--	--	--
S-10-B3	MW15	05/02/08	10	--	<5.04	34.1	35.5	<0.0252	<0.0504	<0.0504	<0.151	4.57	--	--	--	--	--
S-20-B3b	MW15	05/02/08	20	--	<5.64	--	--	<0.0282	<0.0564	<0.0564	<0.169	--	--	--	--	--	--
S-30-B3	MW15	05/02/08	30	--	<5.28	<3.95	6.25	<0.0264	<0.0528	<0.0528	<0.158	--	--	--	--	--	--
S-40-B3	MW15	05/02/08	40	--	<7.27	<5.30	11.7	<0.0363	<0.0727	<0.0727	<0.218	--	--	--	--	--	--
MTCA Method A Cleanup Levels				200	30/100a	2,000	2,000	0.03	7	6	9	250	NA	NA	NA	NA	NA

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TABLE 1
CUMULATIVE SOIL ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Sample Name	Well ID	Sample Date	Sample Depth (ft bgs)	TPH as Jet A Fuel (mg/kg)	TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)	TOC (mg/kg)	Total Heterotroph Mean Value (CFU/g)	Total Heterotroph Standard deviation (CFU/g)	Diesel Degraders Mean Value (CFU/g)	Diesel Degraders Standard deviation (CFU/g)
Environmental Resolutions, Inc. (ERI) - Monitoring Well Installation and Groundwater Monitoring Report - July 3, 2008, continued:																	
S-55-B3	MW15	05/02/08	55	--	<6.54	<4.33	7.39	<0.0327	<0.0654	<0.0654	<0.196	--	--	--	--	--	--
S-70-B3	MW15	05/02/08	70	--	<5.13	<4.05	5.25	<0.0256	<0.0513	<0.0513	<0.154	--	--	--	--	--	--
S-81-B3	MW15	05/02/08	81	--	**132**	34.4	<4.06	<0.0325	<0.0651	<0.0651	<0.195	1.88	--	--	--	--	--
S-96-B3	MW15	05/02/08	96	--	<5.93	6.96	6.75	<0.0297	<0.0593	<0.0593	<0.178	--	--	--	--	--	--
S-106-B3	MW15	05/02/08	106	--	<5.61	<4.27	9.60	<0.0281	<0.0561	<0.0561	<0.168	--	--	--	--	--	--
S-6-B4	MW16	05/06/08	6	--	<4.83	5.43	17.5	<0.0241	<0.0483	<0.0483	<0.145	3.20	--	--	--	--	--
S-131-B4	MW16	05/06/08	131	--	<5.22	<4.91	12.3	<0.0261	<0.0522	<0.0522	<0.157	--	--	--	--	--	--
S-7-B5	MW17	05/07/08	7	--	<4.71	7.51	20.6	<0.0235	<0.0471	<0.0471	<0.141	3.02	--	--	--	--	--
S-116-B5	MW17	05/07/08	116	--	<6.87	<4.82	11.5	<0.0344	<0.0687	<0.0687	<0.206	--	--	--	--	--	--
S-130-B5	MW17	05/07/08	130	--	<7.00	<5.82	13.4	<0.0350	<0.0700	<0.0700	<0.210	--	--	--	--	--	--
S-6-B6	MW18	05/08/08	6	--	<4.53	74.2	429	<0.0226	<0.0453	<0.0453	<0.136	3.88	--	--	--	--	--
S-125-B6	MW18	05/09/08	125	--	<5.80	5.63	22.7	<0.0290	<0.0580	<0.0580	<0.174	--	--	--	--	--	--
S-142-B6	MW18	05/09/08	142	--	<5.45	11.4	28.5	<0.0272	<0.0545	<0.0545	<0.163	--	--	--	--	--	--
Cardno ERI - Well Installation, Destruction, and Groundwater Monitoring Report - July 13, 2011:																	
S-80-B7	SP1	04/28/11	80	--	<7.07	7.11	16.1	<0.0316	<0.126	<0.126	<0.316	--	--	--	--	--	--
B-90-B7	SP1	04/28/11	90	--	**184**	437	19.4	<0.0246	<0.0983	<0.0983	<0.246	--	--	--	--	--	--
S-110-B7	SP1	04/28/11	110	--	10.4	17.1	7.44	<0.0197	<0.0788	<0.0788	<0.197	--	--	--	--	--	--
S-7.5-B8	MW19	04/19/11	7.5	--	<4.52	19.9	68.8	<0.00203	<0.00203	<0.00203	<0.00508	4.18	--	--	--	--	--
S-40-B8	MW19	04/19/11	40	--	<7.34	<4.01	<4.01	<0.00173	<0.00173	<0.00173	<0.00433	--	--	--	--	--	--
S-75-B8	MW19	04/19/11	75	--	<6.02	6.46	9.31	<0.00273	<0.00273	<0.00273	<0.00682	--	--	--	--	--	--
S-85-B8	MW19	04/19/11	85	--	<6.41	<4.95	5.86	<0.00227	<0.00227	<0.00227	<0.00568	--	--	--	--	--	--
S-90-B8	MW19	04/19/11	90	--	<5.87	<5.01	5.62	<0.00255	<0.00255	<0.00255	<0.00639	--	--	--	--	--	--
S-120-B8	MW19	04/19/11	120	--	<5.29	<4.31	7.30	<0.00198	<0.00198	<0.00198	<0.00496	--	--	--	--	--	--
S-85-B9	MW20	04/26/11	85	--	**296**	638	6.69	<0.0403	<0.161	<0.161	<0.403	--	--	--	--	--	--
S-90-B9	MW20	04/26/11	90	--	**523**	196	<5.07	<0.0412	<0.165	<0.165	<0.412	--	--	--	--	--	--
S-95-B9	MW20	04/26/11	95	--	37.6	74.8	18.4	<0.0229	<0.0918	<0.0918	<0.229	--	--	--	--	--	--
S-50-B10	MW21	04/22/11	50	--	<6.20	7.20	12.5	<0.00258	<0.00258	<0.00258	<0.00645	--	--	--	--	--	--
S-85-B10	MW21	04/22/11	85	--	37.5	56.1	15.3	<0.00277	<0.00277	<0.00277	0.00697	--	--	--	--	--	--
S-90-B10	MW21	04/22/11	90	--	**114**	376	4.74	<0.00238	<0.00238	<0.00238	<0.00594	--	--	--	--	--	--
S-95-B10	MW21	04/22/11	95	--	**105**	384	14.5	<0.00236	<0.00236	<0.00236	<0.00590	--	--	--	--	--	--
S-100-B10	MW21	04/22/11	100	--	53.2	138	16.3	<0.00215	<0.00215	<0.00215	<0.00537	--	--	--	--	--	--
S-105-B10	MW21	04/22/11	105	--	22.3	76.4	20.9	<0.00191	<0.00191	<0.00191	<0.00477	--	--	--	--	--	--
S-85-B11	MW22	04/29/11	85	--	**121**	270	10.3	<0.0359	<0.144	<0.144	<0.359	--	--	--	--	--	--
S-90-B11	MW22	04/29/11	90	--	**500**	850	5.75	<0.0320	<0.128	<0.128	<0.320	--	--	--	--	--	--
S-110-B11	MW22	04/29/11	110	--	14.1	38.6	13.6	<0.0359	<0.143	<0.143	<0.359	--	--	--	--	--	--
MTCA Method A Cleanup Levels				200	30/100a	2,000	2,000	0.03	7	6	9	250	NA	NA	NA	NA	NA

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TABLE 1
CUMULATIVE SOIL ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

EXPLANATION:

mg/kg = milligram per kilogram
ft bgs = feet below ground surface
TPH as Jet A Fuel = Total Petroleum Hydrocarbons in the Jet A Fuel Range (C9-C15) in accordance with EPA Method 8015
TPHg = Total Petroleum Hydrocarbons as Gasoline in accordance with Ecology Method NWTPH-Gx
TPHd, TPHmo = Total Petroleum Hydrocarbons as Diesel and as Motor Oil, respectively, in accordance with Ecology Method NWTPH-Dx
B = Benzene; T = Toluene; E = Ethylbenzene; X = Total Xylenes
BTEX = Aromatic compounds in accordance with EPA Method 8260B
Total Lead in accordance with EPA Method 6010B
TOC = Total Organic Carbon in accordance with EPA Method 9060
Total Heterotroph = Enumeration of total microbial plate count, refer to laboratory reports for description of analytical method. Plate count results represent the mean value and standard deviation of triplicate platings.
Diesel Degraders = Enumeration of diesel degraders, refer to laboratory reports for description of analytical method. Diesel degraders represent cell growth in the presence of diesel as the sole carbon sources.
CFU/g = Colony forming units per gram of soil sample on an as received basis
Shaded values equal or exceed MTCA Method A Cleanup Levels
NA = Not applicable
ND = Non-detect
-- = Not analyzed
< = Less than the stated laboratory reporting limit
a = TPHg soil cleanup level is 30 mg/kg, unless benzene is not detected in the sample, or if toluene, ethylbenzene, and total xylenes constitute < 1% of the TPHg present in the sample. If these conditions are met, the cleanup level for TPHg may be elevated to 100 mg/kg.
b = Sample S-20-B3 results are reported on a wet weight basis

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
Screen Interval 79-99 ft bgs / Total Well Depth 99 ft bgs													
91-AW4	05/25/04	1,169.47	91.69	0.00	1,077.78	--	--	--	--	--	--	--	--
91-AW4	09/09/04	1,169.47	91.80	0.00	1,077.67	--	0.15	--	--	--	--	--	--
91-AW4	11/11/04	1,169.47	91.10	0.00	1,078.37	--	ND/NDc	--	--	--	--	--	--
91-AW4	03/22/05	1,169.47	91.88	0.00	1,077.59	--	ND	--	--	--	--	--	--
91-AW4	06/02/05	1,169.47	91.99	0.00	1,077.48	--	ND	--	--	--	--	--	--
91-AW4	09/27/05	1,169.47	92.11	0.00	1,077.36	--	0.132	--	--	--	--	--	--
91-AW4	12/02/05	1,169.47	91.94	0.00	1,077.53	--	ND	--	--	--	--	--	--
91-AW4	03/28/06	1,169.47	90.81	0.00	1,078.66	--	ND	--	--	--	--	--	--
91-AW4	06/06/06	1,169.47	90.49	0.00	1,078.98	--	ND	--	--	--	--	--	--
91-AW4	10/19/07 d	1,169.47	90.34	0.00	1,079.13	<250	136	<118	<1.00	<1.00	<1.00	<3.00	<2.05
91-AW4	05/12/08	1,169.47	90.70	0.00	1,078.77	--	--	--	--	--	--	--	--
91-AW4	05/13/08	1,169.47	NM	--	--	--	--	--	--	--	--	--	--
91-AW4	05/14/08	1,169.47	90.66	0.00	1,078.81	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
91-AW4	12/30/08	1,169.47	91.76	0.00	1,077.71	--	--	--	--	--	--	--	--
91-AW4	12/31/08	1,169.47	91.74	0.00	1,077.73	<100	<100	<100	<1.00	<1.00	<1.00	<3.00	--
91-AW4	06/22/09	1,169.47	90.94	0.00	1,078.53	--	--	--	--	--	--	--	--
91-AW4	06/23/09	1,169.47	91.03	0.00	1,078.44	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	--
91-AW4	11/04/09	1,169.47	90.56	0.00	1,078.91	--	--	--	--	--	--	--	--
91-AW4	11/05/09	1,169.47	90.67	0.00	1,078.80	<100	<99.0	<99.0	<1.00	<1.00	<1.00	<3.00	--
91-AW4	05/19/10	1,169.47	91.79	0.00	1,077.68	--	--	--	--	--	--	--	--
91-AW4	05/20/10	1,169.47	92.83	0.00	1,076.64	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
91-AW4	11/08/10	1,169.47	90.27	0.00	1,079.20	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
91-AW4	11/09/10	1,169.47	NM	--	--	--	--	--	--	--	--	--	--
91-AW4	05/17/11	1,169.47	90.76	0.00	1,078.71	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
91-AW4	05/18/11	1,169.47	NM	--	--	--	--	--	--	--	--	--	--
91-AW4	12/14/11	1,169.47	90.63	0.00	1,078.84	--	--	--	--	--	--	--	--
91-AW4	12/15/11	1,169.47	90.79	0.00	1,078.68	<100	<99.0	<248	<1.00	<1.00	<1.00	<3.00	--
Screen Interval 79-99 ft bgs / Total Well Depth 99 ft bgs													
91-AW5	10/19/07	1,170.25	NM	--	--	--	--	--	--	--	--	--	--
91-AW5	05/12/08	1,170.25	91.85	0.00	1,078.40	--	--	--	--	--	--	--	--
91-AW5	05/13/08	1,170.25	NM	--	--	--	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
91-AW5	05/14/08	1,170.25	91.81	0.00	1,078.44	<100	<94.3	106	<1.00	<1.00	<1.00	<3.00	--
91-AW5	12/30/08	1,170.25	92.84	0.00	1,077.41	--	--	--	--	--	--	--	--
91-AW5	12/31/08	1,170.25	92.83	0.00	1,077.42	<100	<94.3	95.0	<1.00	<1.00	<1.00	<3.00	--
91-AW5	06/22/09	1,170.25	92.92	0.00	1,077.33	--	--	--	--	--	--	--	--
91-AW5	06/23/09	1,170.25	92.99	0.00	1,077.26	<100	<125	<125	<1.00	<1.00	<1.00	<3.00	--
91-AW5	11/04/09	1,170.25	92.23	0.00	1,078.02	--	--	--	--	--	--	--	--
91-AW5	11/05/09	1,170.25	92.39	0.00	1,077.86	<100	<98.0	<98.0	<1.00	<1.00	<1.00	<3.00	--
91-AW5	05/19/10	1,170.25	92.82	0.00	1,077.43	--	--	--	--	--	--	--	--
91-AW5	05/20/10	1,170.25	93.13	0.00	1,077.12	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
91-AW5	11/08/10	1,170.25	91.38	0.00	1,078.87	<100	<105	<105	<1.00	<1.00	<1.00	<3.00	--
91-AW5	11/09/10	1,170.25	NM	--	--	--	--	--	--	--	--	--	--
91-AW5	05/17/11	1,170.25	91.84	0.00	1,078.41	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
91-AW5	05/18/11	1,170.25	NM	--	--	--	--	--	--	--	--	--	--
91-AW5	12/14/11	1,170.25	91.55	0.00	1,078.70	--	--	--	--	--	--	--	--
91-AW5	12/15/11	1,170.25	91.86	0.00	1,078.39	<100	**995**	244	<1.00	<1.00	<1.00	<3.00	--
Screen Interval 78-98 ft bgs / Total Well Depth 98 ft bgs													
91-AW6	05/25/04	1,170.38	94.25	**1.30**	1,077.17	**NAPL Present**							
91-AW6	09/09/04	1,170.38	95.40	**2.49**	1,076.97	**NAPL Present**							
91-AW6	11/11/04	1,170.38	93.82	**0.43**	1,076.90	**NAPL Present**							
91-AW6	03/22/05	1,170.38	93.78	**0.41**	1,076.93	**NAPL Present**							
91-AW6	06/02/05	1,170.38	93.94	**0.43**	1,076.78	**NAPL Present**							
91-AW6	09/27/05	1,170.38	93.98	**0.36**	1,076.69	**NAPL Present**							
91-AW6	12/02/05	1,170.38	93.80	**0.36**	1,076.87	**NAPL Present**							
91-AW6	03/28/06	1,170.38	92.33	0.00	1,078.05	--	--	--	--	--	--	--	--
91-AW6	06/06/06	1,170.38	92.05	0.00	1,078.33	--	--	--	--	--	--	--	--
91-AW6	10/19/07 e	1,170.38	91.99	0.00	1,078.39	**3,820**	**738,000**	<19,600	<1.00	<1.00	6.13	**27.4**	84.8
91-AW6	05/12/08	1,170.38	92.36	0.00	1,078.02	--	--	--	--	--	--	--	--
91-AW6	05/13/08	1,170.38	NM	--	--	--	--	--	--	--	--	--	--
91-AW6	05/14/08	1,170.38	92.35	0.00	1,078.03	**15,300**	**387,000**	<48,500	<1.00	<1.00	10.0	**52.0**	--
91-AW6	12/30/08	1,170.38	Inaccessible	--	--	--	--	--	--	--	--	--	--
91-AW6	12/31/08	1,170.38	Inaccessible	--	--		--	--	--	--	--	--	--
91-AW6	06/22/09	1,170.38	Inaccessible	--	--		--	--	--	--	--	--	--
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
91-AW6	06/23/09	1,170.38	Inaccessible	--	--	--	--	--	--	--	--	--	--
91-AW6	05/19/10	1,170.38	95.03	**2.56**	1,077.40	**NAPL Present**							
91-AW6	05/20/10	1,170.38	NM	--	--	--	--	--	--	--	--	--	--
91-AW6	11/08/10	1,170.38	94.64	**1.62**	1,077.04	**NAPL Present**							
91-AW6	11/09/10	1,170.38	NM	--	--	--	--	--	--	--	--	--	--
91-AW6	05/17/11	1,170.38	92.58	**0.24**	1,077.99	**NAPL Present**							
91-AW6	05/18/11	1,170.38	NM	--	--	--	--	--	--	--	--	--	--
91-AW6	12/14/11	1,170.38	92.54	**0.16**	1,077.97	**NAPL Present**							
91-AW6	12/15/11	1,170.38	NM	--	--	--	--	--	--	--	--	--	--
Screen Interval 137-147 ft bgs / Total Well Depth 147 ft bgs													
91-BW2	10/19/07 [d]	NE	95.08	0.00	--	<250	**701**	<96.2	<1.00	<1.00	<1.00	<3.00	<2.50
91-BW2	05/12/08	NE	92.33	0.00	--	--	--	--	--	--	--	--	--
91-BW2	05/13/08	NE	NM	--	--	--	--	--	--	--	--	--	--
91-BW2	05/14/08	NE	94.64	0.00	--	<100	**607**	**908**	<1.00	<1.00	<1.00	<3.00	--
91-BW2	12/30/08	NE	96.34	0.00	--	--	--	--	--	--	--	--	--
91-BW2	12/31/08	NE	93.27	0.00	--	<100	165	<95.2	<1.00	<1.00	<1.00	<3.00	--
91-BW2	06/22/09	NE	93.95	0.00	--	--	--	--	--	--	--	--	--
91-BW2	06/23/09	NE	93.39	0.00	--	<100	<100	<100	<1.00	<1.00	<1.00	<3.00	--
91-BW2	11/04/09	NE	93.41	0.00	--	--	--	--	--	--	--	--	--
91-BW2	11/05/09	NE	93.61	0.00	--	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
91-BW2	05/19/10	NE	95.95	0.00	--	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
91-BW2	05/20/10	NE	NM	--	--	--	--	--	--	--	--	--	--
91-BW2	11/08/10	NE	93.05	0.00	--	<100	<100	<100	<1.00	<1.00	<1.00	<3.00	--
91-BW2	11/09/10	NE	NM	--	--	--	--	--	--	--	--	--	--
91-BW2	05/17/11	NE	92.04	0.00	--	--	--	--	--	--	--	--	--
91-BW2	05/18/11	NE	92.33	0.00	--	<100	220	<105	<1.00	<1.00	<1.00	<3.00	--
91-BW2	12/14/11	NE	92.91	0.00	--	--	--	--	--	--	--	--	--
91-BW2	12/15/11	NE	93.11	0.00	--	<100	370	<240	<1.00	<1.00	<1.00	<3.00	--
Screen Interval Unknown ft bgs / Total Well Depth Unknown ft bgs													
PH1-9301	05/25/04 [b]	1,167.07	91.15	**0.79**	1,076.55	**NAPL Present**	ND						
PH1-9301	09/09/04	1,167.07	91.35	**0.70**	1,076.28	**NAPL Present**							
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
PH1-9301	11/11/04	1,167.07	91.97	**1.30**	1,076.14	**NAPL Present**							
PH1-9301	03/22/05	1,167.07	92.00	**1.35**	1,076.15	**NAPL Present**							
PH1-9301	06/02/05	1,167.07	92.57	**1.92**	1,076.04	**NAPL Present**							
PH1-9301	09/27/05	1,167.07	92.57	**1.84**	1,075.97	**NAPL Present**							
PH1-9301	12/02/05	1,167.07	92.18	**1.46**	1,076.06	**NAPL Present**							
PH1-9301	03/28/06	1,167.07	89.87	**0.05**	1,077.24	**NAPL Present**							
PH1-9301	06/06/06	1,167.07	89.50	0.00	1,077.57	--	--	--	--	--	--	--	--
PH1-9301	10/19/07	1,167.07	89.51	**0.10**	1,077.64	**NAPL Present**							
PH1-9301	05/12/08	1,167.07	89.84	**0.13**	1,077.33	**NAPL Present**							
PH1-9301	05/13/08	1,167.07	NM	--	--	--	--	--	--	--	--	--	--
PH1-9301	05/14/08	1,167.07	NM	--	--	--	--	--	--	--	--	--	--
PH1-9301	12/30/08	1,167.07	91.65	**0.98**	1,076.20	**NAPL Present**							
PH1-9301	12/31/08	1,167.07	NM	--	--	--	--	--	--	--	--	--	--
PH1-9301	06/22/09	1,167.07	90.24	**0.22**	1,077.01	**NAPL Present**							
PH1-9301	06/23/09	1,167.07	NM	--	--	--	--	--	--	--	--	--	--
PH1-9301	11/04/09	1,167.07	90.11	**0.44**	1,077.31	**NAPL Present**							
PH1-9301	11/05/09	1,167.07	NM	--	--	--	--	--	--	--	--	--	--
PH1-9301	05/19/10	1,167.07	93.04	**2.53**	1,076.05	**NAPL Present**							
PH1-9301	05/20/10	1,167.07	NM	--	--	--	--	--	--	--	--	--	--
PH1-9301	11/08/10	1,167.07	92.06	**1.85**	1,076.49	**NAPL Present**							
PH1-9301	11/09/10	1,167.07	NM	--	--	--	--	--	--	--	--	--	--
PH1-9301	05/17/11	1,167.07	89.99	**0.32**	1,077.34	**NAPL Present**							
PH1-9301	05/18/11	1,167.07	NM	--	--	--	--	--	--	--	--	--	--
PH1-9301	12/14/11	1,167.07	90.10	**0.38**	1,077.27	**NAPL Present**							
PH1-9301	12/15/11	1,167.07	NM	--	--	--	--	--	--	--	--	--	--
Screen Interval Unknown ft bgs / Total Well Depth 99 ft bgs													
PH1-9303	05/25/04 [b]	1,163.62	87.14	0.00	1,076.48	--	ND	--	--	--	--	--	--
PH1-9303	09/09/04	1,163.62	87.38	**0.01**	1,076.25	**NAPL Present**	8.18						
PH1-9303	11/11/04	1,163.62	87.58	**0.19**	1,076.19	**NAPL Present**							
PH1-9303	03/22/05	1,163.62	87.66	**0.26**	1,076.17	**NAPL Present**							
PH1-9303	06/02/05	1,163.62	87.85	**0.35**	1,076.05	**NAPL Present**							
PH1-9303	09/27/05	1,163.62	87.85	**0.51**	1,076.18	**NAPL Present**							
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
PH1-9303	12/02/05	1,163.62	87.52	**0.09**	1,076.17	**NAPL Present**							
PH1-9303	03/28/06	1,163.62	86.28	0.00	1,077.34	--	**103,000**	--	--	--	--	--	--
PH1-9303	06/06/06	1,163.62	86.04	0.00	1,077.58	--	**3,340**	--	--	--	--	--	--
PH1-9303	10/19/07	1,163.62	85.99	**0.01**	1,077.64	**NAPL Present**							
PH1-9303	05/12/08	1,163.62	86.36	0.00	1,077.26	--	--	--	--	--	--	--	--
PH1-9303	05/13/08	1,163.62	NM	--	--	--	--	--	--	--	--	--	--
PH1-9303	05/14/08	1,163.62	86.34	0.00	1,077.28	**1,640**	**638,000**	<47,200	<1.00	<1.00	<1.00	3.80	--
PH1-9303	12/30/08	1,163.62	Could not locate		--	#Type!	--	--	--	--	--	--	--
PH1-9303	12/31/08	1,163.62	NM	--	--	--	--	--	--	--	--	--	--
PH1-9303	06/22/09	1,163.62	88.19	**SHEEN**	1,075.43	**NAPL Present**							
PH1-9303	06/23/09	1,163.62	NM	--	--	--	--	--	--	--	--	--	--
PH1-9303	11/04/09	1,163.62	88.30	**0.68**	1,075.86	**NAPL Present**							
PH1-9303	11/05/09	1,163.62	NM	--	--	--	--	--	--	--	--	--	--
PH1-9303	05/19/10	1,163.62	87.61	**0.35**	1,076.29	**NAPL Present**							
PH1-9303	05/20/10	1,163.62	NM	--	--	--	--	--	--	--	--	--	--
PH1-9303	11/08/10	1,163.62	87.43	**0.18**	1,076.33	**NAPL Present**							
PH1-9303	11/09/10	1,163.62	NM	--	--	--	--	--	--	--	--	--	--
PH1-9303	05/17/11	1,163.62	86.34	0.00	1,077.28	--	--	--	--	--	--	--	--
PH1-9303	05/18/11	1,163.62	86.47	0.00	1,077.15	**1,900**	**1,570,000**	<4,850	<1.00	<1.00	<1.00	6.78	--
PH1-9303	12/14/11	1,163.62	86.41	0.00	1,077.21	--	--	--	--	--	--	--	--
PH1-9303	12/15/11	1,163.62	86.57	0.00	1,077.05	267	**89,800**	**874**	<1.00	<1.00	<1.00	<3.00	--
Screen Interval Unknown ft bgs / Total Well Depth 99 ft bgs													
PH1-9304	05/25/04 b	1,166.44	90.07	0.00	1,076.37	--	ND/NDc	--	--	--	--	--	--
PH1-9304	09/09/04	1,166.44	90.30	0.00	1,076.14	--	ND	--	--	--	--	--	--
PH1-9304	11/11/04	1,166.44	90.37	0.00	1,076.07	--	ND	--	--	--	--	--	--
PH1-9304	03/22/05	1,166.44	90.38	0.00	1,076.06	--	ND/NDc	--	--	--	--	--	--
PH1-9304	06/02/05	1,166.44	90.47	0.00	1,075.97	--	ND	--	--	--	--	--	--
PH1-9304	09/27/05	1,166.44	90.58	0.00	1,075.86	--	ND	--	--	--	--	--	--
PH1-9304	12/02/05	1,166.44	90.38	0.00	1,076.06	--	ND	--	--	--	--	--	--
PH1-9304	03/28/06	1,166.44	89.24	0.00	1,077.20	--	154	--	--	--	--	--	--
PH1-9304	06/06/06	1,166.44	88.96	0.00	1,077.48	--	ND	--	--	--	--	--	--
PH1-9304	10/19/07 d	1,166.44	88.91	0.00	1,077.53	<250	<96.2	<96.2	<1.00	<1.00	<1.00	<3.00	<2.22
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
PH1-9304	05/12/08	1,166.44	89.28	0.00	1,077.16	--	--	--	--	--	--	--	--
PH1-9304	05/13/08	1,166.44	NM	--	--	--	--	--	--	--	--	--	--
PH1-9304	05/14/08	1,166.44	89.26	0.00	1,077.18	<100	102	<95.2	<1.00	<1.00	<1.00	<3.00	--
PH1-9304	12/30/08	1,166.44	90.29	0.00	1,076.15	--	--	--	--	--	--	--	--
PH1-9304	12/31/08	1,166.44	90.29	0.00	1,076.15	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	--
PH1-9304	06/22/09	1,166.44	89.74	0.00	1,076.70	--	--	--	--	--	--	--	--
PH1-9304	06/23/09	1,166.44	89.79	0.00	1,076.65	<100	<100	<100	<1.00	<1.00	<1.00	<3.00	--
PH1-9304	11/04/09	1,166.44	89.56	0.00	1,076.88	--	--	--	--	--	--	--	--
PH1-9304	11/05/09	1,166.44	89.52	0.00	1,076.92	<100	<100	<100	<1.00	<1.00	<1.00	<3.00	--
PH1-9304	05/19/10	1,166.44	90.23	0.00	1,076.21	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	--
PH1-9304	05/20/10	1,166.44	NM	--	--	--	--	--	--	--	--	--	--
PH1-9304	11/08/10	1,166.44	90.17	0.00	1,076.27	<100	<105	<105	<1.00	<1.00	<1.00	<3.00	--
PH1-9304	11/09/10	1,166.44	NM	--	--	--	--	--	--	--	--	--	--
PH1-9304	05/17/11	1,166.44	89.72	0.00	1,076.72	--	--	--	--	--	--	--	--
PH1-9304	05/18/11	1,166.44	89.48	0.00	1,076.96	<100	**95,600**	<98.0	<1.00	<1.00	<1.00	<3.00	--
PH1-9304	12/14/11	1,166.44	89.54	0.00	1,076.90	--	--	--	--	--	--	--	--
PH1-9304	12/15/11	1,166.44	89.31	0.00	1,077.13	<100	**697**	<236	<1.00	<1.00	<1.00	<3.00	--
Screen Interval Unknown ft bgs / Total Well Depth 95 ft bgs													
PH1-9401	05/25/04 [b]	1,163.77	87.54	0.00	1,076.23	--	ND	--	--	--	--	--	--
PH1-9401	09/09/04	1,163.77	87.70	0.00	1,076.07	--	ND	--	--	--	--	--	--
PH1-9401	11/11/04	1,163.77	87.81	0.00	1,075.96	--	ND	--	--	--	--	--	--
PH1-9401	03/22/05	1,163.77	87.77	0.00	1,076.00	--	ND	--	--	--	--	--	--
PH1-9401	06/02/05	1,163.77	87.92	0.00	1,075.85	--	ND	--	--	--	--	--	--
PH1-9401	09/27/05	1,163.77	88.00	0.00	1,075.77	--	ND	--	--	--	--	--	--
PH1-9401	12/02/05	1,163.77	87.87	0.00	1,075.90	--	ND	--	--	--	--	--	--
PH1-9401	03/28/06	1,163.77	86.69	0.00	1,077.08	--	ND	--	--	--	--	--	--
PH1-9401	06/06/06	1,163.77	86.39	0.00	1,077.38	--	ND	--	--	--	--	--	--
PH1-9401	10/19/07 [d]	1,163.77	86.36	0.00	1,077.41	<250	<96.2	<96.2	<1.00	<1.00	<1.00	<3.00	<2.22
PH1-9401	05/12/08	1,163.77	NM	--	--	--	--	--	--	--	--	--	--
PH1-9401	05/13/08	1,163.77	NM	--	--	--	--	--	--	--	--	--	--
PH1-9401	05/14/08	1,163.77	86.70	0.00	1,077.07	<100	**3,510**	**4,560**	<1.00	<1.00	<1.00	<3.00	--
PH1-9401	12/30/08	1,163.77	NM	--	--	--	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
PH1-9401	12/31/08	1,163.77	NM	--	--	--	--	--	--	--	--	--	--
PH1-9401	06/22/09	1,163.77	87.89	0.00	1,075.88	--	--	--	--	--	--	--	--
PH1-9401	06/23/09	1,163.77	87.91	0.00	1,075.86	<100	<105	<105	<1.00	<1.00	<1.00	<3.00	--
PH1-9401	11/04/09	1,163.77	87.62	0.00	1,076.15	--	--	--	--	--	--	--	--
PH1-9401	11/05/09	1,163.77	87.71	0.00	1,076.06	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	--
PH1-9401	05/19/10	1,163.77	87.61	0.00	1,076.16	<100	<111	<111	<1.00	<1.00	<1.00	<3.00	--
PH1-9401	05/20/10	1,163.77	NM	--	--	--	--	--	--	--	--	--	--
PH1-9401	11/08/10	1,163.77	87.64	0.00	1,076.13	--	--	--	--	--	--	--	--
PH1-9401	11/09/10	1,163.77	87.46	0.00	1,076.31	<100	<99.0	<99.0	<1.00	<1.00	<1.00	<3.00	--
PH1-9401	05/17/11	1,163.77	86.67	0.00	1,077.10	--	--	--	--	--	--	--	--
PH1-9401	05/18/11	1,163.77	86.42	0.00	1,077.35	<100	**538**	<99.0	<1.00	<1.00	<1.00	<3.00	--
PH1-9401	12/14/11	1,163.77	86.69	0.00	1,077.08	<100	<94.3	<236	<1.00	<1.00	<1.00	<3.00	--
PH1-9401	12/15/11	1,163.77	NM	--	--	--	--	--	--	--	--	--	--
Screen Interval 75.5-95.5 ft bgs / Total Well Depth 95.5 ft bgs													
PH1-9402	05/25/04 b	1,167.09	91.90	**1.62**	1,076.49	**NAPL Present**	ND						
PH1-9402	09/09/04	1,167.09	92.00	**1.44**	1,076.24	**NAPL Present**							
PH1-9402	11/11/04	1,167.09	92.38	**1.76**	1,076.12	**NAPL Present**							
PH1-9402	03/22/05	1,167.09	92.28	**1.62**	1,076.11	**NAPL Present**							
PH1-9402	06/02/05	1,167.09	92.14	**1.34**	1,076.02	**NAPL Present**							
PH1-9402	09/27/05	1,167.09	92.14	**1.38**	1,076.05	**NAPL Present**							
PH1-9402	12/02/05	1,167.09	91.75	**0.93**	1,076.08	**NAPL Present**							
PH1-9402	03/28/06	1,167.09	90.20	**0.30**	1,077.13	**NAPL Present**							
PH1-9402	06/06/06	1,167.09	90.71	**0.21**	1,076.55	**NAPL Present**							
PH1-9402	10/19/07	1,167.09	89.95	**0.57**	1,077.60	**NAPL Present**							
PH1-9402	05/12/08	1,167.09	90.35	**0.68**	1,077.28	**NAPL Present**							
PH1-9402	05/13/08	1,167.09	NM	--	--	--	--	--	--	--	--	--	--
PH1-9402	05/14/08	1,167.09	NM	--	--	--	--	--	--	--	--	--	--
PH1-9402	12/30/08	1,167.09	91.65	**0.96**	1,076.21	**NAPL Present**							
PH1-9402	12/31/08	1,167.09	NM	--	--	--	--	--	--	--	--	--	--
PH1-9402	06/22/09	1,167.09	90.57	**0.69**	1,077.07	**NAPL Present**							
PH1-9402	06/23/09	1,167.09	NM	--	--	--	--	--	--	--	--	--	--
PH1-9402	11/04/09	1,167.09	90.23	**0.49**	1,077.25	**NAPL Present**							
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
PH1-9402	11/05/09	1,167.09	NM	--	--	--	--	--	--	--	--	--	--
PH1-9402	05/19/10	1,167.09	91.04	**0.42**	1,076.39	**NAPL Present**							
PH1-9402	05/20/10	1,167.09	NM	--	--	--	--	--	--	--	--	--	--
PH1-9402	11/08/10	1,167.09	89.64	**0.32**	1,077.71	**NAPL Present**							
PH1-9402	11/09/10	1,167.09	NM	--	--	--	--	--	--	--	--	--	--
PH1-9402	05/17/11	1,167.09	89.84	**0.11**	1,077.34	**NAPL Present**							
PH1-9402	05/18/11	1,167.09	NM	--	--	--	--	--	--	--	--	--	--
PH1-9402	12/14/11	1,167.09	89.98	**0.21**	1,077.28	**NAPL Present**							
PH1-9402	12/15/11	1,167.09	NM	--	--	--	--	--	--	--	--	--	--
Screen Interval 75-95 ft bgs / Total Well Depth 95 ft bgs													
PH1-9601	05/25/04 [b]	1,165.44	89.39	0.00	1,076.05	--	ND	--	--	--	--	--	--
PH1-9601	09/09/04	1,165.44	89.56	0.00	1,075.88	--	ND	--	--	--	--	--	--
PH1-9601	11/11/04	1,165.44	89.61	0.00	1,075.83	--	ND	--	--	--	--	--	--
PH1-9601	03/22/05	1,165.44	89.62	0.00	1,075.82	--	ND	--	--	--	--	--	--
PH1-9601	06/02/05	1,165.44	89.73	0.00	1,075.71	--	ND	--	--	--	--	--	--
PH1-9601	09/27/05	1,165.44	89.79	0.00	1,075.65	--	ND	--	--	--	--	--	--
PH1-9601	12/02/05	1,165.44	89.59	0.00	1,075.85	--	ND/NDc	--	--	--	--	--	--
PH1-9601	03/28/06	1,165.44	88.39	0.00	1,077.05	--	ND	--	--	--	--	--	--
PH1-9601	06/06/06	1,165.44	88.17	0.00	1,077.27	--	ND	--	--	--	--	--	--
PH1-9601	10/19/07 [d]	1,165.44	88.19	0.00	1,077.25	<250	<100	<100	<1.00	<1.00	<1.00	<3.00	<2.50
PH1-9601	05/12/08	1,165.44	88.55	0.00	1,076.89	--	--	--	--	--	--	--	--
PH1-9601	05/13/08	1,165.44	NM	--	--	--	--	--	--	--	--	--	--
PH1-9601	05/14/08	1,165.44	88.58	0.00	1,076.86	<100	<95.2	100	<1.00	<1.00	<1.00	<3.00	--
PH1-9601	12/30/08	1,165.44	89.60	0.00	1,075.84	--	--	--	--	--	--	--	--
PH1-9601	12/31/08	1,165.44	89.59	0.00	1,075.85	190	253	<99.0	<1.00	<1.00	<1.00	<3.00	--
PH1-9601	06/22/09	1,165.44	88.57	0.00	1,076.87	--	--	--	--	--	--	--	--
PH1-9601	06/23/09	1,165.44	88.63	0.00	1,076.81	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	--
PH1-9601	11/04/09	1,165.44	88.62	0.00	1,076.82	--	--	--	--	--	--	--	--
PH1-9601	11/05/09	1,165.44	88.82	0.00	1,076.62	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
PH1-9601	05/19/10	1,165.44	88.84	0.00	1,076.60	--	--	--	--	--	--	--	--
PH1-9601	05/20/10	1,165.44	89.32	0.00	1,076.12	<100	<96.2	<96.2	<1.00	<1.00	<1.00	<3.00	--
PH1-9601	11/08/10	1,165.44	88.33	0.00	1,077.11	<100	<111	<111	<1.00	<1.00	<1.00	<3.00	--
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
PH1-9601	11/09/10	1,165.44	NM	--	--	--	--	--	--	--	--	--	--
PH1-9601	05/17/11	1,165.44	88.54	0.00	1,076.90	<100	<99.0	<99.0	<1.00	<1.00	<1.00	<3.00	--
PH1-9601	05/18/11	1,165.44	NM	--	--	--	--	--	--	--	--	--	--
PH1-9601	12/14/11	1,165.44	88.57	0.00	1,076.87	<100	<97.1	<243	<1.00	<1.00	<1.00	<3.00	--
PH1-9601	12/15/11	1,165.44	NM	--	--	--	--	--	--	--	--	--	--
Screen Interval 77-97 ft bgs / Total Well Depth 97 ft bgs													
PH1-9602	05/25/04 b	1,167.66	92.51	0.00	1,075.15	--	ND	--	--	--	--	--	--
PH1-9602	09/09/04	1,167.66	92.63	0.00	1,075.03	--	ND	--	--	--	--	--	--
PH1-9602	11/11/04	1,167.66	92.73	0.00	1,074.93	--	ND	--	--	--	--	--	--
PH1-9602	03/22/05	1,167.66	92.71	0.00	1,074.95	--	ND	--	--	--	--	--	--
PH1-9602	06/02/05	1,167.66	92.74	0.00	1,074.92	--	ND	--	--	--	--	--	--
PH1-9602	09/27/05	1,167.66	92.84	0.00	1,074.82	--	ND	--	--	--	--	--	--
PH1-9602	12/02/05	1,167.66	92.71	0.00	1,074.95	--	ND	--	--	--	--	--	--
PH1-9602	03/28/06	1,167.66	91.58	0.00	1,076.08	--	ND	--	--	--	--	--	--
PH1-9602	06/06/06	1,167.66	91.21	0.00	1,076.45	--	ND	--	--	--	--	--	--
PH1-9602	10/19/07 d	1,167.66	91.45	0.00	1,076.21	<250	<98.0	<98.0	<1.00	<1.00	<1.00	<3.00	<2.05
PH1-9602	05/12/08	1,167.66	91.52	0.00	1,076.14	--	--	--	--	--	--	--	--
PH1-9602	05/13/08	1,167.66	91.51	0.00	1,076.15	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	--
PH1-9602	05/14/08	1,167.66	NM	--	--	--	--	--	--	--	--	--	--
PH1-9602	12/30/08	1,167.66	92.72	0.00	1,074.94	--	--	--	--	--	--	--	--
PH1-9602	12/31/08	1,167.66	92.69	0.00	1,074.97	<100	<105	<105	<1.00	<1.00	<1.00	<3.00	--
PH1-9602	06/22/09	1,167.66	92.47	0.00	1,075.19	--	--	--	--	--	--	--	--
PH1-9602	06/23/09	1,167.66	92.55	0.00	1,075.11	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	--
PH1-9602	11/04/09	1,167.66	92.55	0.00	1,075.11	--	--	--	--	--	--	--	--
PH1-9602	11/05/09	1,167.66	92.59	0.00	1,075.07	<100	<99.0	<99.0	<1.00	<1.00	<1.00	<3.00	--
PH1-9602	05/19/10	1,167.66	93.07	0.00	1,074.59	--	--	--	--	--	--	--	--
PH1-9602	05/20/10	1,167.66	93.14	0.00	1,074.52	<100	<111	<111	<1.00	<1.00	<1.00	<3.00	--
PH1-9602	11/08/10	1,167.66	92.69	0.00	1,074.97	--	--	--	--	--	--	--	--
PH1-9602	11/09/10	1,167.66	92.62	0.00	1,075.04	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
PH1-9602	05/17/11	1,167.66	91.67	0.00	1,075.99	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	--
PH1-9602	05/18/11	1,167.66	NM	--	--	--	--	--	--	--	--	--	--
PH1-9602	12/14/11	1,167.66	91.53	0.00	1,076.13	--	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
PH1-9602	12/15/11	1,167.66	91.77	0.00	1,075.89	<100	<94.3	<236	<1.00	<1.00	<1.00	<3.00	--
Screen Interval 80-100 ft bgs / Total Well Depth 100 ft bgs													
PH1-9603	05/25/04 b	1,170.29	93.54	0.00	1,076.75	--	ND	--	--	--	--	--	--
PH1-9603	09/09/04	1,170.29	93.91	0.00	1,076.38	--	ND/NDc	--	--	--	--	--	--
PH1-9603	11/11/04	1,170.29	94.03	0.00	1,076.26	--	ND	--	--	--	--	--	--
PH1-9603	03/22/05	1,170.29	94.03	0.00	1,076.26	--	ND	--	--	--	--	--	--
PH1-9603	06/02/05	1,170.29	94.09	0.00	1,076.20	--	ND	--	--	--	--	--	--
PH1-9603	09/27/05	1,170.29	94.21	0.00	1,076.08	--	0.201	--	--	--	--	--	--
PH1-9603	12/02/05	1,170.29	94.09	0.00	1,076.20	--	ND	--	--	--	--	--	--
PH1-9603	03/28/06	1,170.29	93.03	0.00	1,077.26	--	ND/NDc	--	--	--	--	--	--
PH1-9603	06/06/06	1,170.29	92.62	0.00	1,077.67	--	ND/NDc	--	--	--	--	--	--
PH1-9603	10/19/07 d	1,170.29	92.54	0.00	1,077.75	<250	113	<95.2	<1.00	<1.00	<1.00	<3.00	<2.22
PH1-9603	05/12/08	1,170.29	92.73	0.00	1,077.56	--	--	--	--	--	--	--	--
PH1-9603	05/13/08	1,170.29	92.72	0.00	1,077.57	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	--
PH1-9603	05/14/08	1,170.29	NM	--	--	--	--	--	--	--	--	--	--
PH1-9603	12/30/08	1,170.29	93.93	0.00	1,076.36	--	--	--	--	--	--	--	--
PH1-9603	12/31/08	1,170.29	93.91	0.00	1,076.38	<100	<105	<105	<1.00	<1.00	<1.00	<3.00	--
PH1-9603	06/22/09	1,170.29	93.18	0.00	1,077.11	--	--	--	--	--	--	--	--
PH1-9603	06/23/09	1,170.29	93.22	0.00	1,077.07	<100	<100	<100	<1.00	<1.00	<1.00	<3.00	--
PH1-9603	11/04/09	1,170.29	92.11	0.00	1,078.18	--	--	--	--	--	--	--	--
PH1-9603	11/05/09	1,170.29	92.24	0.00	1,078.05	<100	<99.0	<99.0	<1.00	<1.00	<1.00	<3.00	--
PH1-9603	05/19/10	1,170.29	92.56	0.00	1,077.73	--	--	--	--	--	--	--	--
PH1-9603	05/20/10	1,170.29	92.83	0.00	1,077.46	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
PH1-9603	11/08/10	1,170.29	92.21	0.00	1,078.08	--	--	--	--	--	--	--	--
PH1-9603	11/09/10	1,170.29	92.29	0.00	1,078.00	<100	<99.0	<99.0	<1.00	<1.00	<1.00	<3.00	--
PH1-9603	05/17/11	1,170.29	92.61	0.00	1,077.68	<100	<100	<100	<1.00	<1.00	<1.00	<3.00	--
PH1-9603	05/18/11	1,170.29	NM	--	--	--	--	--	--	--	--	--	--
PH1-9603	12/14/11	1,170.29	92.76	0.00	1,077.53	--	--	--	--	--	--	--	--
PH1-9603	12/15/11	1,170.29	92.84	0.00	1,077.45	<100	<95.2	<238	<1.00	<1.00	<1.00	<3.00	--
Screen Interval 88-108 ft bgs / Total Well Depth 108 ft bgs													
MW13	05/12/08	1,160.84	90.12	0.00	1,070.72	<100	<97.1	118	<1.00	<1.00	<1.00	<3.00	--
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
MW13	05/13/08	1,160.84	NM	--	--	--	--	--	--	--	--	--	--
MW13	05/14/08	1,160.84	NM	--	--	--	--	--	--	--	--	--	--
MW13	12/30/08	1,160.84	88.41	0.00	1,072.43	<100	<99.0	<99.0	<1.00	<1.00	<1.00	<3.00	--
MW13	12/31/08	1,160.84	NM	--	--	--	--	--	--	--	--	--	--
MW13	06/22/09	1,160.84	91.14	0.00	1,069.70	<100	<100	<100	<1.00	<1.00	<1.00	<3.00	--
MW13	06/23/09	1,160.84	NM	--	--	--	--	--	--	--	--	--	--
MW13	11/04/09	1,160.84	90.74	0.00	1,070.10	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
MW13	11/05/09	1,160.84	NM	--	--	--	--	--	--	--	--	--	--
MW13	05/19/10	1,160.84	91.29	0.00	1,069.55	--	--	--	--	--	--	--	--
MW13	05/20/10	1,160.84	91.36	0.00	1,069.48	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	--
MW13	11/08/10	1,160.84	91.04	0.00	1,069.80	--	--	--	--	--	--	--	--
MW13	11/09/10	1,160.84	NM	--	--	--	--	--	--	--	--	--	--
	Destroyed												
Screen Interval 90-110 ft bgs / Total Well Depth 110 ft bgs													
MW14	05/12/08	1,164.23	93.53	0.00	1,070.70	<100	126	286	<1.00	<1.00	<1.00	<3.00	--
MW14	05/13/08	1,164.23	NM	--	--	--	--	--	--	--	--	--	--
MW14	05/14/08	1,164.23	NM	--	--	--	--	--	--	--	--	--	--
MW14	12/30/08	1,164.23	91.85	0.00	1,072.38	--	--	--	--	--	--	--	--
MW14	12/31/08	1,164.23	91.83	0.00	1,072.40	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
MW14	06/22/09	1,164.23	93.36	0.00	1,070.87	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
MW14	06/23/09	1,164.23	NM	--	--	--	--	--	--	--	--	--	--
MW14	11/04/09	1,164.23	92.05	0.00	1,072.18	<100	<99.0	<99.0	<1.00	<1.00	<1.00	<3.00	--
MW14	11/05/09	1,164.23	NM	--	--	--	--	--	--	--	--	--	--
MW14	05/19/10	1,164.23	93.67	0.00	1,070.56	--	--	--	--	--	--	--	--
MW14	05/20/10	1,164.23	94.39	0.00	1,069.84	--	--	--	--	--	--	--	--
MW14	11/08/10	1,164.23	Inaccessible	--	--	--	--	--	--	--	--	--	--
MW14	11/09/10	1,164.23	NM	--	--	--	--	--	--	--	--	--	--
	Destroyed												
Screen Interval 88.5-108.5 ft bgs / Total Well Depth 108.5 ft bgs													
MW15	05/12/08	1,164.08	86.67	0.00	1,077.41	--	--	--	--	--	--	--	--
MW15	05/13/08	1,164.08	NM	--	--	--	--	--	--	--	--	--	--
MW15	05/14/08	1,164.08	86.71	0.00	1,077.37	794	**14,100**	<952	<1.00	<1.00	<1.00	<3.00	--
MW15	12/30/08	1,164.08	Could not locate		--	#Type!	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
MW15	12/31/08	1,164.08	NM	--	--	--	--	--	--	--	--	--	--
MW15	06/22/09	1,164.08	88.43	0.00	1,075.65	--	--	--	--	--	--	--	--
MW15	06/23/09	1,164.08	88.46	0.00	1,075.62	<100	<96.2	<96.2	<1.00	<1.00	<1.00	<3.00	--
MW15	11/04/09	1,164.08	88.26	0.00	1,075.82	--	--	--	--	--	--	--	--
MW15	11/05/09	1,164.08	88.39	0.00	1,075.69	<100	<99.0	<99.0	<1.00	<1.00	<1.00	<3.00	--
MW15	05/19/10	1,164.08	88.24	**0.73**	1,076.42	**NAPL Present**							
MW15	05/20/10	1,164.08	NM	--	--	--	--	--	--	--	--	--	--
MW15	11/08/10	1,164.08	88.37	**0.91**	1,076.44	**NAPL Present**							
MW15	11/09/10	1,164.08	NM	--	--	--	--	--	--	--	--	--	--
MW15	05/17/11	1,164.08	86.74	**0.18**	1,077.48	**NAPL Present**							
MW15	05/18/11	1,164.08	NM	--	--	--	--	--	--	--	--	--	--
MW15	12/14/11	1,164.08	86.86	**0.19**	1,077.37	**NAPL Present**							
MW15	12/15/11	1,164.08	NM	--	--	--	--	--	--	--	--	--	--
Screen Interval 90-130 ft bgs / Total Well Depth 130 ft bgs													
MW16	05/12/08	1,174.95	107.38	0.00	1,067.57	--	--	--	--	--	--	--	--
MW16	05/13/08	1,174.95	107.39	0.00	1,067.56	<100	411	<100	<1.00	<1.00	<1.00	<3.00	--
MW16	05/14/08	1,174.95	NM	--	--	--	--	--	--	--	--	--	--
MW16	12/30/08	1,174.95	109.47	0.00	1,065.48	<100	<104	<104	<1.00	<1.00	<1.00	<3.00	--
MW16	12/31/08	1,174.95	NM	--	--	--	--	--	--	--	--	--	--
MW16	06/22/09	1,174.95	106.99	0.00	1,067.96	--	--	--	--	--	--	--	--
MW16	06/23/09	1,174.95	106.92	0.00	1,068.03	<100	<98.0	<98.0	<1.00	<1.00	<1.00	<3.00	--
MW16	11/04/09	1,174.95	105.42	0.00	1,069.53	--	--	--	--	--	--	--	--
MW16	11/05/09	1,174.95	105.51	0.00	1,069.44	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	--
MW16	05/19/10	1,174.95	104.63	0.00	1,070.32	--	--	--	--	--	--	--	--
MW16	05/20/10	1,174.95	104.85	0.00	1,070.10	<100	<105	<105	<1.00	<1.00	<1.00	<3.00	--
MW16	11/08/10	1,174.95	103.27	0.00	1,071.68	--	--	--	--	--	--	--	--
MW16	11/09/10	1,174.95	NM	--	--	--	--	--	--	--	--	--	--
	Destroyed												
Screen Interval 100-130 ft bgs / Total Well Depth 130 ft bgs													
MW17	05/12/08	1,181.31	116.67	0.00	1,064.64	--	--	--	--	--	--	--	--
MW17	05/13/08	1,181.31	116.68	0.00	1,064.63	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	--
MW17	05/14/08	1,181.31	NM	--	--	--	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
MW17	12/30/08	1,181.31	Could not locate		--	#Type!	--	--	--	--	--	--	--
MW17	12/31/08	1,181.31	NM	--	--	--	--	--	--	--	--	--	--
MW17	06/22/09	1,181.31	116.69	0.00	1,064.62	--	--	--	--	--	--	--	--
MW17	06/23/09	1,181.31	116.70	0.00	1,064.61	<100	<98.0	<98.0	<1.00	<1.00	<1.00	<3.00	--
MW17	11/04/09	1,181.31	116.23	0.00	1,065.08	--	--	--	--	--	--	--	--
MW17	11/05/09	1,181.31	116.31	0.00	1,065.00	<100	<98.0	<98.0	<1.00	<1.00	<1.00	<3.00	--
MW17	05/19/10	1,181.31	115.39	0.00	1,065.92	--	--	--	--	--	--	--	--
MW17	05/20/10	1,181.31	116.02	0.00	1,065.29	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--
MW17	11/08/10	1,181.31	114.33	0.00	1,066.98	--	--	--	--	--	--	--	--
MW17	11/09/10	1,181.31	NM	--	--	--	--	--	--	--	--	--	--
	Destroyed												
Screen Interval 110-150 ft bgs / Total Well Depth 150 ft bgs													
MW18	05/12/08	1,186.10	124.39	0.00	1,061.71	--	--	--	--	--	--	--	--
MW18	05/13/08	1,186.10	124.34	0.00	1,061.76	150	**320**	**662**	<1.00	<1.00	<1.00	<3.00	--
MW18	05/14/08	1,186.10	NM	--	--	--	--	--	--	--	--	--	--
MW18	12/30/08	1,186.10	126.80	0.00	1,059.30	<100	<104	400	<1.00	<1.00	<1.00	<3.00	--
MW18	12/31/08	1,186.10	NM	--	--	--	--	--	--	--	--	--	--
MW18	06/22/09	1,186.10	127.55	0.00	1,058.55	<100	<111	<111	<1.00	<1.00	<1.00	<3.00	--
MW18	06/23/09	1,186.10	NM	--	--	--	--	--	--	--	--	--	--
MW18	11/04/09	1,186.10	128.41	0.00	1,057.69	--	--	--	--	--	--	--	--
MW18	11/05/09	1,186.10	128.46	0.00	1,057.64	<100	<98.0	<98.0	<1.00	<1.00	<1.00	<3.00	--
MW18	05/19/10	1,186.10	126.75	0.00	1,059.35	<100	**289**	**619**	<1.00	<1.00	<1.00	<3.00	<0.0952
MW18	05/20/10	1,186.10	NM	--	--	--	--	--	--	--	--	--	--
MW18	11/08/10	1,186.10	125.88	0.00	1,060.22	--	--	--	--	--	--	--	--
MW18	11/09/10	1,186.10	NM	--	--	--	--	--	--	--	--	--	--
	Destroyed												
Screen Interval ft bgs / Total Well Depth ft bgs													
MW19	05/17/11	NE	88.71	0.00	--	--	--	--	--	--	--	--	--
MW19	05/18/11	NE	88.36	0.00	--	<100	<96.2	<96.2	<1.00	<1.00	<1.00	<3.00	--
MW19	12/14/11	NE	88.83	0.00	--	--	--	--	--	--	--	--	--
MW19	12/15/11	NE	88.68	0.00	--	<100	<111	<278	<1.00	<1.00	<1.00	<3.00	--
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

TABLE 2
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Grant County Airport
Former Fueling Facilities
7810 Andrews Street Northeast
Moses Lake, Washington

Well ID	Sampling Date	Wellhead Elev (feet)	DTW (feet)	NAPL	GW Elev (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	2-Methylnaphthalene (µg/L)
Screen Interval ft bgs / Total Well Depth ft bgs													
MW20	05/17/11	NE	90.41	0.00	--	255	**1,410**	180	<1.00	<1.00	<1.00	<3.00	--
MW20	05/18/11	NE	NM	--	--	--	--	--	--	--	--	--	--
MW20	12/14/11	NE	90.42	0.00	--	--	--	--	--	--	--	--	--
MW20	12/15/11	NE	90.76	0.00	--	139	**2,850**	<312	<1.00	<1.00	<1.00	<3.00	--
Screen Interval ft bgs / Total Well Depth ft bgs													
MW21	05/17/11	NE	92.35	**2.69**	--	**NAPL Present**							
MW21	05/18/11	NE	NM	--	--	--	--	--	--	--	--	--	--
MW21	12/14/11	NE	92.09	**2.27**	--	**NAPL Present**							
MW21	12/15/11	NE	NM	--	--	--	--	--	--	--	--	--	--
Screen Interval ft bgs / Total Well Depth ft bgs													
MW22	05/17/11	NE	91.21	**1.22**	--	**NAPL Present**							
MW22	05/18/11	NE	NM	--	--	--	--	--	--	--	--	--	--
MW22	12/14/11	NE	91.79	**1.85**	--	**NAPL Present**							
MW22	12/15/11	NE	NM	--	--	--	--	--	--	--	--	--	--
Screen Interval ft bgs / Total Well Depth ft bgs													
SP1	05/17/11	NE	86.41	0.00	--	--	--	--	--	--	--	--	--
SP1	05/18/11	NE	NM	--	--	--	--	--	--	--	--	--	--
SP1	12/14/11	NE	86.91	0.00	--	--	--	--	--	--	--	--	--
SP1	12/15/11	NE	NM	--	--	--	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels						800/1,000 [a]	500	500	5	1,000	700	1,000	NA

EXPLANATION:

ft bgs = Feet below ground surface

µg/L = Micrograms per Liter

Wellhead elevations were taken from prior consultant reports

DTW = Depth to water in feet below top of casing

GW Elev = Groundwater elevation relative to top of casing elevations

TPHg = Total Petroleum Hydrocarbons as Gasoline in accordance with Ecology Method NWTPH-Gx

TPHd and TPHmo = Total Petroleum Hydrocarbons as Diesel and Oil, respectively, in accordance with Ecology Method NWTPH-Dx

B = Benzene; T = Toluene; E = Ethylbenzene; X = Total Xylenes

BTEX = Aromatic compounds in accordance with EPA Method 8021B or 8260B, refer to laboratory reports

NAPL = Non-aqueous phase liquid thickness in feet

< = Less than the stated laboratory reporting limit

NE = Not Established; NM = Not Measured; ND = Not Detected; -- = Not Analyzed or Sampled

Shaded values equal or exceed MTCA Method A Cleanup Levels

Data collected before 10/19/07 were taken from prior consultants

GW Elevation has been corrected for NAPL using the formula: (Reference Elevation - DTW + (NAPL*0.8))

a = TPHg cleanup level for groundwater is 800 ug/L if benzene is present, or 1,000 ug/L if benzene is not present

b = Samples analyzed for polyaromatic hydrocarbons (PAHs) and additional volitile organic compounds (VOCs)

c = Duplicate sample collected, laboratory results indicate sample and field duplicate contained the listed concentration

d = Samples were analyzed fro PAHs in accordance with EPA Method 8270C. Results indicate concentrations of dissolved PAHs were below the laboratory method reporting limit.

e = Samples were analyzed fro PAHs in accordance with EPA Method 8270C. Results indicate concentrations of dissolved 2-Methylnaphthalene were above the laboratory method reporting limit.