TABLES

SUMMARY OF DECOMMISSIONED UNDERGROUND STORAGE TANKS

CONTENTS	CAPACITY (gallons)	YEAR INSTALLED	YEAR REMOVED
Regular gasoline	unknown	unknown	early 1970s *
Used oil	500	1960s *	1992
Diesel	500	unknown	1986
Diesel	1,000	1986	1992
Regular gasoline	6,000	1972	1992
Unleaded gasoline	8,000	1977	1992

Note:
Information from Groundwater Technology (1994).
* estimated

TABLE 2-2

SITE WELL CONSTRUCTION DETAILS

Monitoring Well	Borehole Diameter (inch)	Well Diameter (inch)	Well Depth (ft btoc)[b]	Ground Surface (ft MSL)[c, d]	Top of Riser Casing (ft MSL)[c, d]	Depth to Base of Seal/Top of Sand (ft bgs)[a]	Elevation of Base of Seal/Top of Sand (ft MSL)[c, d]	Depth to Bottom of Sand Pack (ft bgs)[a]	Elevation of Bottom of Sand Pack (ft MSL)[c, d]	Screen Slot Size (inch)	Depth to Top of Screen (ft bgs)[a]	Elevation of Top of Screen (ft MSL)[c, d]	Bottom of Bottom of Screen (ft bgs)[a]	Elevation of Bottom of Screen (ft MSL)[c, d]
MW02	8	2	6.04	1085.32	1084.88	2.00	1083.32	6.60	1078.72	0.01	2.04	1083.28	6.04	1079.28
MW04	8	2	14.17	1077.94	1077.57	3.40	1074.54	14.40	1063.54	0.01	4.17	1073.77	14.17	1063.77
MW05	8	2	13.95	1083.11	1082.64	3.00	1080.11	14.00	1069.11	0.01	4.50	1078.61	13.95	1069.16
MW06	8	4	12.00	1075.18	1074.88	2.50	1072.68	12.00	1063.18	0.01	2.50	1072.68	11.00	1064.18
MW07	8	2	10.00	1071.64	1071.24	3.00	1068.64	10.00	1061.64	0.01	5.00	1066.64	10.00	1061.64
MW08	8	2	13.50	1070.16	1069.76	3.00	1067.16	13.50	1056.66	0.01	3.50	1066.66	13.50	1056.66
MW09	8	2	15.00	1069.06	1068.62	4.00	1065.06	15.00	1054.06	0.01	5.00	1064.06	15.00	1054.06
MW10	8	2	9.00	1078.20	1077.21	3.00	1075.20	9.00	1069.20	0.01	4.00	1074.20	9.00	1069.20
MW11	8	2	14.00	1082.70	1082.35	3.00	1079.70	14.00	1068.70	0.01	4.00	1078.70	14.00	1068.70
MW12	8	2	14.00	1082.99	1082.49	3.00	1079.99	14.00	1068.99	0.01	4.00	1078.99	14.00	1068.99
MW15*	8	2	12.40	1065.30	1064.91	2.00	1063.30	15.00	1050.30	0.01	2.40	1062.90	12.40	1052.90
MW16*	8	2	13.00	1063.00	1062.38	2.00	1061.00	15.00	1048.00	0.01	3.00	1060.00	13.00	1050.00
MW17*	8	2	13.35	1060.90	1060.54	2.50	1058.40	15.00	1045.90	0.01	3.35	1057.55	13.35	1047.55
MW18*	8	2	10.48	1060.95	1061.52	2.00	1058.95	11.00	1049.95	0.01	2.48	1058.47	10.48	1050.47

Note:
[a] ft bgs means "below ground surface" measured in feet.
[b] ft btoc means "below top of riser casing" measured in feet.
[c] ft MSL means "means sea level" measured in feet.
[d] elevations based on City of Moses Lake Engineering Dept April 2-3, 2003 survey.
* Surface completions for MW15, MW16, MW17 and MW18 were modified on May 2, 2003 and resurveyed by the City on May 13, 2003.
Wells MW01 through MW14 drilled prior to Phase 1 RIFS.
Oversight for drilling MW15, MW16, MW17 and MW18 by Golder Associates Inc for RIFS.
MW01 and MW03 abandoned.
MW13 unable to locate - likely located beneath a permanent shelf.
MW14 unable to locate.
Well dimensions for MW02 and MW04 from Century West (1992) report and measurements made on Site 3/17/03. Seal and sand pack depths inferred from report.
Well dimensions for MW05, MW06, MW07, MW08, MW09, MW10, MW11, MW12 from Groundwater Technology (1994) report and measurements made on Site 3/17/03.

SUMMARY OF SUBSURFACE STRATIGRAPHY

BORING / TEST PIT	Thickness of Lithologic Units (depths in feet below ground surface)			
	FILL	WETLAND DEPOSITS	FLUVIAL DEPOSITS	RINGOLD FORMATION
Eastern Investigation Area				
TP01	0.0 – 8.0 (TD)	Not Encountered	Not Encountered	Not Encountered
TP02	0.0 – 2.2	Not Encountered	Not Encountered	2.2 - 10.0 (TD)
TP03	0.0 – 3.0	Not Encountered	Not Encountered	3.0 - 9.0 (TD)
GP01	0.0 – 2.5	Not Encountered	Not Encountered	2.5 - 7.0 (TD)
GP02	0.0 – 3.0	Not Encountered	Not Encountered	3.0 - 7.0 (TD)
GP03	0.0 – 1.5	Not Encountered	Not Encountered	1.5 - 8.0 (TD)
Central Investigation Area				
TP04	0.0 – 4.5 (TD)	Not Encountered	Not Encountered	Not Encountered
TP05	0.0 – 5.0 (TD)	Not Encountered	Not Encountered	Not Encountered
TP06	0.0 – 4.5 (TD)	Not Encountered	Not Encountered	Not Encountered
GP04	0.0 – 2.5	2.5 - 3.0	Not Encountered	3.0 - 8.0 (TD)
GP05	0.0 – 2.8	2.8 - 8.0 (TD)	Not Encountered	Not Encountered
GP06	0.0 – 1.4	1.4 - 2.7	Not Encountered	2.7 - 8.0 (TD)
GP07	0.0 – 3.3	3.3 - 6.0	Transitional	6.0 - 8.0 (TD)
GP08	0.0 – 3.5	3.5 - 7.5	Not Encountered	7.5 - 8.0 (TD)
GP09	0.0 – 3.0	3.0 - 7.0	Not Encountered	7.0 - 8.0 (TD)
GP10	0.0 – 6.0	6.0 - 8.0	Not Encountered	8.0 - 12.0 (TD)
GP11	0.0 – 4.0	4.0 - 6.0	Not Encountered	6.0 - 8.0 (TD)
GP12	0.0 – 3.0	Transitional	3.0 - 8.0 (TD)	Not Encountered
GP13	0.0 – 3.0	Not Encountered	3.0 - 8.0 (TD)	Not Encountered
GP14	0.0 – 6.7	6.7 - 8.0	Not Encountered	8.0 - 12.0 (TD)
GP15	0.0 – 4.0	4.0 - 7.0	Not Encountered	7.0 - 8.0 (TD)
GP16	0.0 – 4.0	4.0 - 4.3	4.3 - 4.5	4.5 - 8.0 (TD)
Western Investigation Area				
GP17	0.0 – 4.0	5.0 - 7.5	4.0 - 5.0	7.5 - 8.0 (TD)
GP18	0.0 – 2.7	2.7 - 3.1	Not Encountered	3.1 - 8.0 (TD)
GP19	0.0 – 3.3	3.3 - 4.5	4.5 - 6.5	6.5 - 8.0 (TD)
GP20	0.0 – 3.0	Not Encountered	3.0 - 6.5	6.5 - 8.0 (TD)
GP21	0.0 – 4.0	Not Encountered	4.0 - 8.0 (TD)	Not Encountered
GP22	0.0 – 2.9	2.9 - 3.5	3.5 - 8.0 (TD)	8.0 (TD)
GP23	0.0 – 2.5	2.5 – 3.8	3.8 - 7.0	7.0 - 8.0 (TD)

SOIL PHYSICAL PROPERTIES

SAMPLE ID	TP05 - 1.0 to 3.0	TP05 - 4.5	MW15 - 10.0 to 11.5
Location	TP05	TP05	MW15
Depth (ft)	1.0 - 3.0	4.5	10.0 - 11.5
Type	Grab from backhoe bucket	Grab from backhoe bucket	Shelby Tube
Description	Compact, dark brown, silty fine to coarse SAND, some fine to coarse gravel. (SM)	Compact, gray, ORGANIC SILT and fine to coarse SAND, trace fine to coarse gravel. (OL/SM)	Compact, brown, fine to coarse SAND and SILT, trace fine gravel. (SM)
Unit	FILL	WETLAND DEPOSITS	RINGOLD FORMATION
Moisture (% by weight)	11.9	26.6	27.6
ESTIMATED/MEASURED PROPERTIES			
Porosity (%)	NA	NA	42

SUMMARY OF GROUNDWATER MONITORING WELL MEASUREMENTS (APRIL 1, 2003)

Monitoring Well	Measuring Point Elevation (ft MSL)[b, c, d]	Date	Time	Depth to Water (ft btoc)[b]	Groundwater Elevation (ft MSL)[c, d]
MW02	1084.88	4/1/2003	15:55	3.00	1081.88
MW04	1077.57	4/1/2003	15:35	3.17	1074.40
MW05	1082.64	4/1/2003	15:50	4.83	1077.81
MW06	1074.88	4/1/2003	15:40	4.58	1070.30
MW07	1071.24	4/1/2003	15:20	6.92	1064.32
MW08	1069.76	4/1/2003	15:15	6.42	1063.34
MW09	1068.62	4/1/2003	15:10	5.71	1062.91
MW10	1077.21	4/1/2003	15:45	2.17	1075.04
MW11	1082.35	4/1/2003	16:00	4.92	1077.43
MW12	1082.49	4/1/2003	15:47	4.46	1078.03
MW15*	1065.27	4/1/2003	10:45	3.38	1061.90
MW16*	1063.51	4/1/2003	15:30	3.33	1060.18
MW17*	1061.49	4/1/2003	11:20	3.92	1057.57
MW18*	1062.19	4/1/2003	15:00	3.63	1058.57

Note:
[a] ft bgs means "below ground surface" measured in feet.
[b] ft btoc means "below top of riser casing" measured in feet.
[c] ft MSL means "means sea level" measured in feet.
[d] elevations based on City of Moses Lake Engineering Dept April 2-3, 2003 survey.
* Surface completions for MW15, MW16, MW17 and MW18 were modified on May 2, 2003 and resurveyed by the City on May 13, 2003 current elevations are provided on Table 2-2.
Wells MW01 through MW14 drilled prior to the RIFS.
Oversight for drilling MW15, MW16, MW17 and MW18 by Golder Associates Inc for the RIFS.
MW01 and MW03 abandoned.
MW13 unable to locate - likely located beneath a permanent shelf.
MW14 unable to locate.

SUMMARY OF SLUG TEST RESULTS

Well ID	Date	Screened Unit (ft bgs)	Water Level (ft bmp)	Sand Pack (ft bgs)	Test #	File	Hvorslev Hydraulic Conductivity (ft/s)
MW15	4/1/2003	Fill (2-3) Wetland / Fluvial Deposits (3-9) Ringold Formation (9-15)	3.38	2 to 15 (13 ft)	Falling Head 1	Hvorslev MW15 FH04.xls	3.5E-05
					Falling Head 2	Hvorslev MW15 FH05.xls	5.3E-05
					Falling Head 3	Hvorslev MW15 FH06.xls	1.8E-04
					Geometric Mean		**6.9E-05**
					Rising Head 1	Hvorslev MW15 RH01.xls	2.1E-04
					Rising Head 2	Hvorslev MW15 RH02.xls	2.1E-04
					Rising Head 3	Hvorslev MW15 RH03.xls	2.1E-04
					Geometric Mean		**2.1E-04**
MW17	4/1/2003	Fill (2.5-7) Wetland Deposits (7-11) Fluvial Deposits (11-12.5) Ringold Formation (12.5-15)	3.92	2.5 to 15 (12.5 ft)	Falling Head 1	Hvorslev MW17 FH04.xls	1.6E-04
					Falling Head 2	Hvorslev MW17 FH05.xls	1.1E-04
					Falling Head 3	Hvorslev MW17 FH06.xls	1.6E-04
					Geometric Mean		**1.4E-04**
					Rising Head 1	Hvorslev MW17 RH01.xls	2.2E-04
					Rising Head 2	Hvorslev MW17 RH02.xls	2.7E-04
					Rising Head 3	Hvorslev MW17 RH03.xls	2.2E-04
					Geometric Mean		**2.4E-04**

TABLE 4-1

SUMMARY OF EAST PORTION TEST PIT SOIL SAMPLES

SAMPLE ID	0TP01 - 2.0 to 4.0	0TP01 - 7.0	0TP02 - 6.25	0TP02 - 9.0	0TP03 - 3.5	0TP03 - 9.0 *
Location	TP01	TP01	TP02	TP02	TP03	TP03
Depth (ft bgs)	2.0 - 4.0	7	6.25	9	3.5	9
Type	Grab from excavation wall	Grab from backhoe bucket	Grab from backhoe bucket	Grab from backhoe bucket	Grab from excavation wall	Grab from backhoe bucket
Description	Compact, fine SAND, some silt, trace clay and gravel.	Loose, medium and coarse SAND, some gravel, little fine sand and silt.	Compact, fine SAND and SILT, trace coarse sand.	Compact, fine SAND, some silt.	Compact, fine SAND and SILT.	Compact, fine SAND and SILT.
PID (ppm)	0	0	0	0	0.2	0
Water Table (ft bgs)	3.5	3.5	5	5	3.5	3.5
Unit	FILL	FILL	RINGOLD FORMATION	RINGOLD FORMATION	RINGOLD FORMATION	RINGOLD FORMATION
Sample Date	3/18/2003	3/18/2003	3/18/2003	3/18/2003	3/18/2003	3/18/2003
Analyses	NWTPH-HCID	NWTPH-Dx	NWTPH-HCID	NWTPH-Dx	NWTPH-HCID	NWTPH-Dx

Note:
ft bgs - feet below ground surface
* Ecology split sample

TABLE 4-2

SUMMARY OF CENTRAL PORTION TEST PIT SOIL SAMPLES

SAMPLE ID	0TP04 - 2.0 to 3.0*	0TP04 - 2.2	0TP04 - 3.0	0TP04 - 4.2	0TP04 - 4.5	0TP05 - 1.0 to 3.0	0TP05 - 3.0	0TP05 - 3.9	0TP05 - 4.5	0TP06 - 4.0	0TP06 - 4.5
Location	TP04	TP04	TP04	TP04	TP04	TP05	TP05	TP05	TP05	TP06	TP06
Depth (ft bgs)	2.0 - 3.0	2.20	3.00	4.00	4.50	1.0 - 3.0	3.00	3.90	4.50	4.00	4.50
Type	Grab composite from excavation wall	Grab from excavation wall	Grab from excavation wall	Grab from excavation wall	Grab from excavation wall	Grab from backhoe bucket	Grab from excavation wall	Grab from excavation wall	Grab from excavation floor	Grab from excavation wall	Grab from excavation floor
Description	Compact, fine to coarse SAND and fine GRAVEL, trace silt.	Compact, fine to coarse SAND and fine GRAVEL, trace silt.	Compact, fine to coarse SAND and fine GRAVEL, trace silt.	Compact, fine to coarse SAND and fine GRAVEL, trace silt.	Loose rounded GRAVEL (drain rock).	Compact, fine to coarse SAND, little gravel, trace silt and rootlets. (SP)	Compact, fine to coarse SAND, little gravel, trace silt.	Compact, fine to coarse SAND, little gravel, trace silt and rootlets.	Compact, fine SAND, trace silt and rootlets.	Compact, medium to coarse SAND, little gravel.	Loose rounded GRAVEL (drain rock).
PID (ppm)	33	33	33	41	5.5	4.5	86	86	5.9	0	0
Water Table (ft bgs)	4	4	4	4	4	4.25	4.25	4.25	4.25	4.5	4.5
Unit	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	WETLAND DEPOSITS	FILL	FILL
Sample Date	3/18/2003	3/18/2003	3/18/2003	3/18/2003	3/18/2003	3/18/2003	3/18/2003	3/18/2003	3/18/2003	3/18/2003	3/18/2003
Analyses	NWTPH-Gx, NWTPH-Dx	NWTPH-G, NWTPH-Dx	NWTPH-G, NWTPH-Dx	NWTPH-G, NWTPH-Dx	NWTPH-G, NWTPH-Dx		NWTPH-Dx, PCBs 8082, total lead 6010B	NWTPH-Dx, PCBs 8082, total lead 6010B	NWTPH-Dx, NWTPH-Gx, PCBs 8082, total lead 6010		volatiles 8260B
Analyses for Composites	N/A	Equal weight composite for NWTPH-Gx/BTEX &MTBE, NWTPH-Dx, volatiles 8260B, EDB, EDC, PAHs 8270c SIM, PCBs 8082, total lead 6010B				Physical Properties (see Table 3-2)	Equal weight composite for NWTPH-Gx/BTEX & MTBE, NWTPH-Dx, volatiles 8260B, EDB, EDC, PAHs 8270c SIM, PCBs 8082, total lead		Physical Properties (see Table 3-2)	Composite of TP06-4.0 and 4.5 fines for NWTPH-Gx/BTEX & MTBE, NWTPH-Dx, EDB, EDC, PAHs 8270c SIM, PCBs 8082, total lead 6010B.	

Note:
ft bgs - feet below ground surface
* Ecology split sample

TABLE 4-3

SUMMARY OF EAST PORTION GEOPROBE SOIL SAMPLES

SAMPLE ID	0GP01 - 2.5	0GP02 - 3.0	0GP03 - 1.5	0GP24 - 2.6 to 2.8	0GP25 - 2.8 to 3.0	0GP26 - 2.8 to 3.2	1GP26 - 2.8 to 3.2 (Dup)	0HA01 - 2.5	0HA02 - 3.0
Location	GP01	GP02	GP03	GP24	GP25	GP26	GP26	HA01	HA02
Depth (ft bgs)	2.50	3.00	1.50	2.6 - 2.8	2.8 - 3.0	2.8 - 3.2	2.8 - 3.2	2.50	1.50
Type	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Stainless steel sampler	Stainless steel sampler
Description	Loose, medium to fine SAND, little silt, trace rounded gravel.	Compact, medium to coarse SAND, little gravel, trace fine sand, silt and clay.	Loose, coarse SAND and GRAVEL.	Compact, Structurless, fine SAND, some silt	Compact, Structurless, SAND, some silt	Compact, Structurless, fine SAND, little gravel	Compact, Structurless, fine SAND, little gravel	Compact, SILT and sand	Compact, SILT and sand
PID (ppm)	1	1	0	0	0	0	0	0	0
Water Table (ft bgs)	3	3	2	2.8	4.8	2.8	2.8	3.2	3
Unit	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Sample Date	3/26/2003	3/26/2003	3/26/2003	5/1/2003	5/1/2003	5/1/2003	5/1/2003	5/2/2003	5/2/2003
Analyses	NWTPH-Dx	NWTPH-Dx	NWTPH-Dx	NWTPH-Dx	NWTPH-Dx	NWTPH-Dx	NWTPH-Dx	NWTPH-Dx	NWTPH-Dx

Note:
ft bgs - feet below ground surface

TABLE 4-4

SUMMARY OF CENTRAL PORTION GEOPROBE SOIL SAMPLES

SAMPLE ID	0GP04 - 3.0 to 3.5	0GP05 - 3.0 to 3.5	0GP06 - 2.5 to 2.8	0GP07 - 2.9 to 3.25	0GP08 - 3.0 to 3.3	2GP08	0GP09 - 3.5 to 4.0	1GP09 - 3.5 to 4.0
Location	GP04	GP05	GP06	GP07	GP08	GP08	GP09	GP09 (dup)
Depth (ft bgs)	3.0 - 3.5	3.0 - 3.5	2.5 - 2.8	2.9 - 3.25	3.0 - 3.3	na	3.5 - 4.0	3.5 - 4.0
Type	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Equipment Blank	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler
Description	Compact, fine SAND and SILT, trace clay and medium sand and caliche.	Compact, fine SAND and SILT, trace rootlets.	Firm, fine SAND, trace silt, clay and rootlets.	Compact, fine to coarse SAND, trace silt and clay.	Compact, medium to coarse SAND, trace silt and gravel.	DI water rinse from decontaminated 4-foot sampler.	Firm, fine SAND, litte silt.	Firm, fine SAND, litte silt.
PID (ppm)	0	1	0	0	4	0	111	111
Water Table (ft bgs)	3.5	3.5	2.7	3.0	2.8	na	3.3	3.3
Unit	RINGOLD FORMATION	WETLAND DEPOSITS	WETLAND DEPOSITS	FILL	FILL	na	FILL	FILL
Sample Date	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/26/2003
Analyses	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx/BTEX &MTBE, NWTPH-Dx, volatiles 8260B, EDB, EDC, cPAHs 8270c SIM, PCBs 8082, total lead 6010B	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx

Note:
ft bgs - feet below ground surface

TABLE 4-4

SUMMARY OF CENTRAL PORTION GEOPROBE SOIL SAMPLES

SAMPLE ID	0GP10 - 3.5 to 4.0	0GP11 - 3.5 to 4.0	0GP12 - 3.0 to 3.25	0GP13 - 3.0 to 3.25	0GP14 - 3.5 to 4.0	0GP15 - 3.5 to 4.0	0GP16 - 3.5 to 4.0
Location	GP10	GP11	GP12	GP13	GP14	GP15	GP16
Depth (ft bgs)	3.5 - 4.0	3.5 - 4.0	3.0 - 3.25	3.0 - 3.25	3.5 - 4.0	3.5 - 4.0	3.5 - 4.0
Type	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler
Description	Compact, medium SAND, trace gravel.	Compact, coarse SAND, little gravel, trace fine sand and silt.	Firm, fine SAND, some silt, trace clay and gravel, caliche.	Firm, fine SAND, some silt, trace clay, med to coarse sand and wood pieces.	Dense, fine SAND, little med sand, little silt, trace gravel.	Loose, coarse SAND and GRAVEL, trace silt.	Compact, fine to coarse SAND and GRAVEL, little silt, trace clay.
PID (ppm)	124	0.6	0	0	0	1.6	0.6
Water Table (ft bgs)	4.0	4.0	3.5	3.3	4.0	4.0	4.0
Unit	FILL	FILL	FLUVIAL DEPOSITS	FLUVIAL DEPOSITS	FILL	FILL	FILL
Sample Date	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/27/2003	3/27/2003	3/27/2003
Analyses	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx	NWTPH-Gx, NWTPH-Dx

Note:
ft bgs - feet below grou

TABLE 4-5

SUMMARY OF WEST PORTION GEOPROBE SOIL SAMPLES

SAMPLE ID	0GP17 - 3.5 to 4.0	0GP18 - 2.5 to 2.8	0GP19 - 2.8 to 3.0	0GP20 - 2.7 to 3.0	0GP21 - 3.8 to 4.0	0GP22 - 2.8 to 3.0	0GP23 - 2.7 to 3.0
Location	GP17	GP18	GP19	GP20	GP21	GP22	GP23
Depth (ft bgs)	3.5 - 4.0	2.5 - 2.8	2.8 - 3.0	2.7 - 3.0	3.8 - 4.0	2.8 - 3.0	2.7 - 3.0
Type	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler	Lined 1.5-inch ID 4-foot long split sampler
Description	Dense, fine to medium SAND, little gravel, trace silt and clay.	Dense, fine SAND and GRAVEL, trace silt and clay.	Soft, fine SAND and SILT, trace clay and rootlets.	Dense, SAND and GRAVEL, trace silt and clay.	Dense, medium to coarse SAND, little gravel, trace silt and clay.	Soft, fine SAND and SILT, trace sand, gravel and rootlets.	Soft, fine SAND and SILT, trace clay and rootlets.
PID (ppm)	0	0	0.5	0	0	0	0
Water Table (ft bgs)	3.5	3.0	3.8	3.0	4.0	3.0	3.5
Unit	FILL	FILL	WETLAND DEPOSITS	FILL	FILL	WETLAND DEPOSITS	WETLAND DEPOSITS
Sample Date	3/27/2003	3/27/2003	3/27/2003	3/27/2003	3/27/2003	3/27/2003	3/27/2003
Analyses	NWTPH-Gx, NWTPH-Dx, total RCRA metals	NWTPH-Gx, NWTPH-Dx, total RCRA metals	NWTPH-Gx, NWTPH-Dx, total RCRA metals	NWTPH-Gx, NWTPH-Dx, total RCRA metals	NWTPH-Gx, NWTPH-Dx, total RCRA metals	NWTPH-Gx, NWTPH-Dx, total RCRA metals	NWTPH-Gx, NWTPH-Dx, total RCRA metals

Note:
ft bgs - feet below ground surface

TABLE 4-6

SUMMARY OF CENTRAL PORTION WELL BORING SOIL SAMPLES

SAMPLE ID	0MW15 - 6.5 to 7.5	0MW15 - 8.5	0MW16 - 4.5 to 6.0	0MW16 - 7.0	0MW17 - 5.0	1MW17 - 5.0 (dup)	0MW17 - 6.0	0MW18 - 4.0 to 8.0	0MW18 - 8.5
Location	MW15	MW15	MW16	MW16	MW17	MW17	MW17	MW18	MW18
Depth (ft bgs)	6.5 - 7.5	8.5	4.5 - 6.0	7.0	5.0	5.0	6.0	4.0 - 8.0	8.50
Type	2.5-inch ID split spoon	2.5-inch ID split spoon	2.5-inch ID split spoon	2.5-inch ID split spoon	2.5-inch ID split spoon	2.5-inch ID split spoon	2.5-inch ID split spoon	2.5-inch ID split spoon	2.5-inch ID split spoon
Description	Loose, coarse SAND, little silt and clay, trace gravel.	Soft, fine to medium SAND and SILT, some coarse sand, trace gravel, clay and rootlets.	Compact, fine to medium SAND and SILT, little gravel, trace clay.	Loose, fine SAND, some silt, trace rootlets.	Dense, fine to medium SAND, some coarse sand, little gravel, trace silt.	Dense, fine to medium SAND, some coarse sand, little gravel, trace silt.	Dense, fine SAND and SILT, trace coarse sand and gravel.	Soft, fine SAND, little silt.	Loose, fine SAND, trace coarse sand, trace silt.
PID (ppm)	3.7	1.2	6.8	0.8	2.0	2.0	0.0	0.5	0.0
Water Table (ft bgs)	3.5	3.5	3.0	3.0	4.0	4.0	4.0	3.5	3.5
Unit	FLUVIAL DEPOSITS	WETLAND DEPOSITS	FILL	WETLAND DEPOSITS	FILL	FILL	FILL	FLUVIAL DEPOSITS	FLUVIAL DEPOSITS
Sample Date	3/24/2003	3/24/2003	3/24/2003	3/24/2003	3/25/2003	3/25/2003	3/25/2003	3/25/2003	3/25/2003
Analyses	NWTPH-HCID	Total organic carbon, EPA 9060	NWTPH-G, NWTPH-Dx, volatiles 8260B, EDB, EDC, PAHs 8270c SIM, PCBs 8082, total lead 6010B	Total organic carbon, EPA 9060	NWTPH-HCID	NWTPH-HCID	Total organic carbon, EPA 9060	NWTPH-HCID	Total organic carbon, EPA 9060

Note:
ft bgs - feet below ground surface

TABLE 4-7

SUMMARY OF EAST PORTION INVESTIGATION AREA WELL GROUNDWATER SAMPLES

SAMPLE ID	0MW08 - 031703	0MW10 - 031703	0MW04 - 031703	0MW05 - 031703	0MW11 - 032803 (PRODUCT)	0MW11 - 032803*	0GP25 -050103	0HA01 - 050203*
Location	MW08	MW10	MW04	MW05	MW11	MW11	GP25	HA01
Sampling Equipment	Grundfos submersible with dedicated tubing	Grundfos submersible with dedicated tubing	Grundfos submersible with dedicated tubing	Grundfos submersible with dedicated tubing	Bailer	Grundfos submersible with dedicated tubing	Peristaltic pump with deticated tubing	Peristaltic pump with deticated tubing
Sample Date	3/17/2003	3/17/2003	3/17/2003	3/17/2003	3/28/2003	3/28/2003	5/1/2003	5/2/2003
Analyses	NWTPH-Gx/BTEX & MTBE, NWTPH-Dx, EDB, EDC, total lead 6010B	NWTPH-Gx/BTEX & MTBE, NWTPH-Dx, EDB, EDC, total lead 6010B	NWTPH-Gx/BTEX & MTBE, NWTPH-Dx, EDB, EDC, total lead 6010B	NWTPH-Gx/BTEX & MTBE, NWTPH-Dx, EDB, EDC, total lead 6010B	NWTPH-Gx/BTEX & MTBE, NWTPH-Dx	NWTPH-Gx/BTEX & MTBE, NWTPH-Dx, EDB, EDC, volatiles 8260B, PCBs 8082, cPAHs 8270cSIM, total lead 6010B	NWTP-Dx	NWTP-Dx

Note:
Sample details on sample integrity data sheets and well purging forms in Appendix B.
* Ecology split sample for NWTPH-Gx.

TABLE 4-8

SUMMARY OF CENTRAL PORTION WELL GROUNDWATER SAMPLES

SAMPLE ID	0MW15 - 032803*	0MW16 - 032803	1MW16 - 032803 (dup)	0MW17 - 032803	0MW18 - 032803	0GP27 - 050103	GP28 - 050203
Location	MW15	MW16	MW16	MW17	MW18	GP27	GP28
Sampling Equipment	Grundfos submersible with dedicated tubing	Grundfos submersible with dedicated tubing	Grundfos submersible with dedicated tubing	Grundfos submersible with dedicated tubing	Grundfos submersible with dedicated tubing	Peristaltic pump with deticated tubing	Peristaltic pump with deticated tubing
Sample Date	3/28/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003	5/1/2003	5/1/2003
Analyses	NWTPH-Gx/BTEX &MTBE, NWTPH-Dx	NWTPH-Gx/BTEX &MTBE, NWTPH-Dx, EDB, EDC, volatiles 8260B, PCBs 8082, cPAHs 8270cSIM, total lead 6010B	NWTPH-Gx/BTEX &MTBE, NWTPH-Dx, EDB, EDC, volatiles 8260B, PCBs 8082, cPAHs 8270cSIM, total lead 6010B	NWTPH-HCID	NWTPH-HCID	NWTPH-HCID	NWTPH-HCID

Note:
Sample details on sample integrity data sheets and well purging forms in Appendix B.
* Ecology split sample.

TABLE 4-9

SUMMARY OF WEST PORTION TEMPORARY GEOPROBE BORING GROUNDWATER SAMPLES

SAMPLE ID	0GP18 - 032703	0GP19 - 032703*	0GP20 - 032703	0GP21 - 032703	0GP22 - 032703
Location	GP18	GP19	GP20	GP21	GP22
Sampling Equipment	Peristaltic pump with dedicated tubing	Peristaltic pump with dedicated tubing	Peristaltic pump with dedicated tubing	Peristaltic pump with dedicated tubing	Peristaltic pump with dedicated tubing
Sample Date	3/27/2003	3/27/2003	3/27/2003	3/27/2003	3/27/2003
Analyses	HOLD SAMPLE	NWTPH-Gx, NWTPH-Dx, EDB, EDC, volatiles 8260B, PCBs 8082, cPAHs 8270cSIM, total lead 6010B	HOLD SAMPLE	HOLD SAMPLE	NWTPH-Gx, NWTPH-Dx, EDB, EDC, volatiles 8260B, PCBs 8082, cPAHs 8270cSIM, total lead 6010B

Note:

Sample details on sample integrity data sheets and well purging forms in Appendix B.

* Ecology split sample.