TABLE 5-1.1

MOSES LAKE MAINTENANCE FACILITY RIFS
EAST PORTION SOIL
PETROLEUM HYDROCARBON RESULTS

Location				TP-01				TP-02				TP-03						GP-01		GP-02		GP-03		GP-24		GP-25		GP-26		GP-26		HA-01		HA-02	
Sample Identifier				0TP01-7.0		0TP01-2 to 4		0TP02-9.0		0TP02-6.5		0TP03-9.0		1TP03-9.0		0TP03-3.5		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		0HA01-2.6 to 3.0		0HA02-2.8 to 3.2	
Sample Type				N	Q	N	Q	N	Q	N	Q	N	Q	Dup	Q	N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	Dup	Q	N	Q	N	Q
Analyte	Method	MTCA Method A Soil Cleanup Criteria (mg/kg) [a]	Ecological Concerns Criteria WAC 173-340 Table 749-2 (mg/kg) [b]	Concentration (mg/kg)																															
Petroleum Hydrocarbons																																			
Gasoline Range	NWTPH-HCID	NA	NA	N/A	-	27	U	N/A	-	30	U	N/A	-	N/A	-	27	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Diesel Range	NWTPH-HCID	NA	NA	N/A	-	68	U	N/A	-	75	U	N/A	-	N/A	-	68	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Lube Oil Range	NWTPH-HCID	NA	NA	N/A	-	140	U	N/A	-	150	U	N/A	-	N/A	-	140	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Diesel Range	NWTPH-Dx	2,000	460	34	U	N/A	-	34	U	N/A	-	39	U	40	U	N/A	-	29	U	32	U	29	U	35	U	31	U	33	U	33	U	32	U	31	U
Lube Oil Range	NWTPH-Dx	2,000	NSA	68	U	N/A	-	68	U	N/A	-	78	U	81	U	N/A	-	550		63	U	58	U	70	U	61	U	66	U	65	U	63	U	63	U

Note:
Q - Validated data qualifier.
N - Normal sample.
Dup - Duplicate sample.
U - Indicates that the analyte was not detected above its practical quantitation limit (PQL).
NA - Not Applicable.
NSA - No standard available.
N/A - Not Analyzed.
a - Chapter 173-340 WAC MTCA Method A Cleanup Levels for unrestricted use.
b - Chapter 173-340-900 WAC Table 749-2 Priority Contaminants of Ecological Concern for Sites that Qualify for the Simplified Terrestrial Ecological Evaluation Procedure.

TABLE 5-1.2

MOSES LAKE MAINTENACE FACILITY RIFS
EAST PORTION GROUNDWATER
PETROLEUM HYDROCARBON, PCBS, ARSENIX AND LEAD RESULTS

Location					MW-02		MW-02		MW-04		MW-04		MW-05		MW-05		MW-05		MW-08		MW-08		MW-10		MW-10		MW-11		MW-11		MW-11		GP-25		HA-02	
Sample Identifier					0MW02-092503		0MW02-120903		0MW04-031703		0MW04-092603		0MW05-031703		0MW05-092603		1MW05-092603		0MW08-031703		0MW08-092603		0MW10-031703		0MW10-092603		CMW11-032803		0MW11-032803		0MW11-092603		0GP25-050103		0HA02-050203	
Sample Type					N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	Product	Q	N	Q	N	Q	N	Q
Analyte	Method	MTCA Method A Cleanup Criteria For Groundwater (ug/L)[a]	MTCA Method B Cleanup Criteria for Surface Water (ug/L)	National Water Quality Criteria/WAC 201A Aquatic Water Quality Criteria (ug/L)[d]	Concentration (ug/L)																															
Petroleum Hydrocarbons																																				
Diesel Range	NWTPH-Dx	500	NSA	NSA	N/A	-	N/A	-	250	U	N/A	-	250	U	N/A	-	N/A	-	250	U	N/A	-	250	U	N/A	-	14,000		1,500,000 ppm		N/A	-	250	U	260	U
Lube Oil Range	NWTPH-Dx	500	NSA	NSA	N/A	-	N/A	-	400	U	N/A	-	400	U	N/A	-	N/A	-	400	U	N/A	-	400	U	N/A	-	400	U	48,000 ppm	U	N/A	-	400	U	420	U
Gasoline Range	NWTPH-Gx	800 / 1,000*	NSA	NSA	N/A	-	N/A	-	100	U	N/A	-	170		N/A	-	N/A	-	100	U	N/A	-	100	U	N/A	-	100	U	400	U	N/A	-	N/A	-	N/A	-
Methyl t-Butyl Ether (MTBE)	NWTPH-Gx	20	NSA	NSA	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	10	U	N/A	-	N/A	-	N/A	-
Benzene	NWTPH-Gx	5	22.7	NSA	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	4.0	U	N/A	-	N/A	-	N/A	-
Toluene	NWTPH-Gx	1,000	4,850	NSA	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	4.0	U	N/A	-	N/A	-	N/A	-
Ethyl Benzene	NWTPH-Gx	700	6,910	NSA	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	4.0	U	N/A	-	N/A	-	N/A	-
m,p-Xylene	NWTPH-Gx	1,000[b]	16,000	NSA	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	5.0		N/A	-	N/A	-	N/A	-
o-Xylene	NWTPH-Gx	1,000[b]	16,000	NSA	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	4.0	U	N/A	-	N/A	-	N/A	-
1,2-Dibromoethane (EDB)	EPA 8011	0.01	NSA	NSA	N/A	-	N/A	-	0.0096	U	N/A	-	0.0095	U	N/A	-	N/A	-	0.0096	U	N/A	-	0.0095	U	N/A	-	0.0092	U	N/A	-	N/A	-	N/A	-	N/A	-
Polychlorinated Biphenyls																																				
Aroclor 1016	EPA 8082	0.1[c]	NSA	0.014[e]	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	0.047	U	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1221	EPA 8082	0.1[c]	NSA	0.014[e]	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	0.047	U	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1232	EPA 8082	0.1[c]	NSA	0.014[e]	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	0.047	U	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1242	EPA 8082	0.1[c]	NSA	0.014[e]	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	0.047	U	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1248	EPA 8082	0.1[c]	NSA	0.014[e]	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	0.047	U	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1254	EPA 8082	0.1[c]	NSA	0.014[e]	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	0.047	U	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1260	EPA 8082	0.1[c]	NSA	0.014[e]	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	0.047	U	N/A	-	N/A	-	N/A	-	N/A	-
Metals																																				
Total Lead	EPA 6020	15	NSA	2.5	N/A	-	N/A	-	1.1	U	N/A	-	1.1	U	N/A	-	N/A	-	1.1	U	N/A	-	1.1	U	N/A	-	1.1	U	NA	-	N/A	-	NA	-	NA	-
Total Arsenic	EPA 6020	10.5[f]	17.7	150.0	6.4		5.2		8.4		8.7		9.3		9.3		9.4		4.3		4.6		6.8		7.8		6.5		NA	-	8.2		NA	-	N/A	-

Note:
< - indicates that the analyte was not detected above its practical quantitation limit (PQL).
Q - Validated data qualifier.
N - Normal sample
NSA - No standard available
Product - Product sampled from MW-11 using Teflon bailer. Analytical calculated value reflects error in sample dilution steps
NA - Not Applicable
N/A - Not analyzed.
a - Chapter 173-340 WAC Method A Groundwater Cleanup Levels for potable water use unless otherwise noted.
* - The MTCA Method A cleanup level for gasoline range petroleum hydrocarbons is 800 ug/L if benzene is present.
b - The MTCA Method A Cleanup Level is for total xylene, i.e. the sum of m,p-Xylene and o-Xylene.
c - Cleanup level is a total for all PCBs (aroclors) based on the concentration derived from Chapter 173-340 WAC equation 720-1.
d - The most conservative of the National Water Quality Criteria (EPA, 2002) or Chapter 201A WAC Aquatic Water Quality Criteria is provided both chronic or acute values were considered.
e - Cleanup level is a total for all PCBs (aroclors) based on the chronic National Water Quality Criteria.
f - Cleanup criteria set at Arsenic background concentration as established under WAC 173-340-709.
Shading indicates the value exceeds one or more of the MTCA cleanup criteria.