TABLE 5-2.5

MOSES LAKE MAINTENANCE FACILITY RIFS
CENTRAL PORTION GROUNDWATER
PETROLEUM HYDROCARBON, PCBs, ARSENIC AND LEAD RESULTS

Location					MW-15		MW-15		MW-15		MW-16		MW-16		MW-16		MW-17		MW-17		MW-18		MW-18		GP-27		GP-28	
Sample Identifier					0MW15-032803		0MW15-092503		0MW15-120903		0MW16-032803		1MW16-032803		0MW15-092603		0MW17-032803		0MW15-092603		0MW18-032803		0MW18-092603		0GP27-050103		0GP28-050103	
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
Analyte	Method	MTCA Groundwater Cleanup Criteria For Unrestricted Use (µg/L)[a]	MTCA Method B Cleanup Criteria for Surface Water (µg/L)	National Water Quality Criteria/WAC 201A Aquatic Water Quality Criteria (µg/L)[c]	Concentration µg/L																							
Petroleum Hydrocarbons																												
Diesel Range	NWTPH-HCID	NA	NA	NA	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	250	U	N/A	-	250	U	N/A	-	N/A	-	N/A	-
Lube Oil Range	NWTPH-HCID	NA	NA	NA	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	400	U	N/A	-	400	U	N/A	-	N/A	-	N/A	-
Gasoline Range	NWTPH-HCID	NA	NA	NA	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	100	U	N/A	-	100	U	N/A	-	N/A	-	N/A	-
Diesel Range	NWTPH-Dx	500	NSA	NSA	250	U	N/A	-	N/A	-	250	U	250	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	250	UJ	250	UJ
Lube Oil Range	NWTPH-Dx	500	NSA	NSA	400	U	N/A	-	N/A	-	400	U	400	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	410	UJ	400	UJ
Gasoline Range	NWTPH-Gx	800 / 1000[b]	NSA	NSA	100	U	N/A	-	N/A	-	100	U	100	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Methyl t-Butyl Ether (MTBE)	NWTPH-Gx	20.0	NSA	NSA	10	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Benzene	NWTPH-Gx	0.030	22.7	NSA	1.0	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Toluene	NWTPH-Gx	1,000	4,850	NSA	1.0	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Ethyl Benzene	NWTPH-Gx	700	6,910	NSA	1.0	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
m,p-Xylene	NWTPH-Gx	1000[c]	16,000	NSA	1.0	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
o-Xylene	NWTPH-Gx	1000[c]	16,000	NSA	1.0	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
1,2-Dibromoethane (EDB)	EPA 8011	0.01	NSA	NSA	N/A	-	N/A	-	N/A	-	0.0092	U	0.0091	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Polychlorinated Biphenyls																												
Aroclor 1016	EPA 8082	0.1[d]	NSA	0.014[f]	N/A	-	N/A	-	N/A	-	0.048	U	0.048	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1221	EPA 8082	0.1[d]	NSA	0.014[f]	N/A	-	N/A	-	N/A	-	0.048	U	0.048	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1232	EPA 8082	0.1[d]	NSA	0.014[f]	N/A	-	N/A	-	N/A	-	0.048	U	0.048	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1242	EPA 8082	0.1[d]	NSA	0.014[f]	N/A	-	N/A	-	N/A	-	0.048	U	0.048	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1248	EPA 8082	0.1[d]	NSA	0.014[f]	N/A	-	N/A	-	N/A	-	0.048	U	0.048	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1254	EPA 8082	0.1[d]	NSA	0.014[f]	N/A	-	N/A	-	N/A	-	0.048	U	0.048	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Aroclor 1260	EPA 8082	0.1[d]	NSA	0.014[f]	N/A	-	N/A	-	N/A	-	0.048	U	0.048	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Metals																												
Total Lead	EPA 6010B	15	NSA	2.5	N/A	-	N/A	-	N/A	-	1.1	U	1.1	U	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-
Total Arsenic	EPA 6010B	10.5[g]	17.7	150.0	N/A	-	9.1		8.5		5.4		4.7		6.0		N/A	-	10.0		N/A	-	9.5		N/A	-	N/A	-

Note:
N - Normal sample.
Q - Validated data qualifier.
Dup - Duplicate sample.
U - indicates that the analyte was not detected above its practical quantitation limit (PQL).
NSA - No standard available.
NA - Not Applicable.
a - Chapter 173-340 WAC Method A Groundwater Cleanup Levels for potable water use.
b - The MTCA Method A cleanup level for gasoline range petroleum hydrocarbons is 800 ug/L if benzene is present.
c - The MTCA Method A Cleanup Level is for total xylene, i.e. the sum of m,p-Xylene and o-Xylene.
d - Cleanup level is a total for all PCBs (aroclors) based on the concentration derived from Chapter 173-340 WAC equation 720-1.
e - 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.
f - Cleanup level is a total for all PCBs (aroclors) based on the chronic National Water Quality Criteria.
g - 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.