

Comparison of COGCC Table 915-1							
Concentration Levels							
- REM Project No. NA				Sampling Results			
	Date Sampled:	4/23/2021					
COGCC Table 915-1 Parameters	Sample ID:	Stockpile #001					
Organic Compounds in Soil							
Contaminant of Conern	Concentrations						
TPH (total volatile and extractable petroleum hydrocarbons) - GRO (Gasoline Range Organics)	500 mg/kg	ND					
TPH (total volatile and extractable petroleum hydrocarbons) - DRO ( Diesel Range Organics)	500 mg/kg	ND					
TPH (total volatile and extractable petroleum hydrocarbons) - ORO ( Oil Range Organics)	500 mg/kg	ND					
Benzene	1.2 mg/kg	ND					
Toluene	490 mg/kg	ND					
Ethylbenzene	5.8 mg/kg	ND					
Xylenes (total)	58 mg/kg	ND					
1,2,4-trimethylbenzene	30 mg/kg	ND					
1,3,5-trimethylbenzene	27 mg/kg	ND					
Acenaphthene	360 mg/kg	ND					
Anthracene	1,800 mg/kg	ND					
Benzo(A)anthracene	1.1 mg/kg	0.0055					
Benzo(B)fluoranthene	1.1 mg/kg	0.0154					
Benzo(K)fluoranthene	11 mg/kg	ND					
Benzo(A)pyrene	0.11 mg/kg	ND					
Chrysene	110 mg/kg	0.00638					
Dibenzo(A,H)andthracene	0.11 mg/kg	ND					
Fluoranthene	240 mg/kg	ND					
Fluorene	240 mg/kg	ND					
Indeno(1,2,3,C,D)pyrene	1.1 mg/kg	ND					
Napthalene	2 mg/kg	ND					
Pyrene	180 mg/kg	ND					
Organic Compounds in Groundwater							
Contaminant of Conern	Concentrations						
Benzene	5 µg/l						
Toluene	560 to 1,000 µg/l						
Ethylbenzene	700 µg/l						
Xylenes (total)	1,400 to 10,000 µg/l						
naphthalene	140 µg/l						
1,2,4-trimethylbenzene	67 µg/l						
1,3,5-trimethylbenzene	67 µg/l						
Soil Suitability for Reclamation							
Electrical Conductivity (EC)	< 4 mmhos/cm	7.74					
Sodium Adsorption Ration (SAR)	< 12	5.78					
pH	6-8.3	8.02					
boron (hot water soluble soil extract)	2 mg/l	2.37					
Groundwater Inorganic Parameters							
Total Dissolved Solids (TDS)	< 1.25 x local background						
Chlorides	250mg/l or <1.25 X local background						
Sulfates	250mg/l or <1.25 X local background						
Metals in Soils							
Contaminant of Conern	Concentrations						
Arsenic	0.68 mg/kg	12.6					
Barium (LDNR True Total Barium)	15,000 mg/kg	130					
Cadmium	71 mg/kg	ND					
Chromium (VI)	0.3 mg/kg	ND					
Copper	3,100 mg/kg	17.6					
Lead (inorganic)	400 mg/kg	18.7					
Nickel (soluble salts)	1,500 mg/kg	17.8					
Selenium	390 mg/kg	1.36					
Silver	390 mg/kg	0.0685					
Zinc	23,000 mg/kg	80.9					
Liquid Hydrocarbons in Soils and Ground Water							
Soils and Groundwater - liquid hydrocarbons including condensate and oil	below visual detection limits						

\*ND = NON DETECT