

Table 1 CECMC Rule 915 Soil Analysis - Inorganics

Red Hawk - Plank 1-14 1-23-20

CECMC Remediation No. 35056

Sample ID	Depth	Sample Date	Location Description	EC ¹	SAR ¹	pH ¹	Boron ²
	ft bgs			mmhos/cm	ratio		mg/L
<i>CECMC Table 915-1 Clean Up Concentrations</i>				< 4	< 6	6-8.3	2
P1T	1	6/5/2024	NW of Separator	0.364	0.142	8.60	0.222
P2T	1	6/5/2024	NE of Separator	0.362	0.135	8.66	0.210
P3T	1	6/5/2024	SE of Separator	0.302	0.116	8.50	0.147
P4T	1	6/5/2024	SW of Separator	0.296	0.105	8.57	0.174

Concentrations exceeding the CECMC Table 915-1 allowable concentrations are expressed in **bold** type face

¹ By Saturated Paste Method

² Hot Water Soluble Soil Extract

EC = Electrical Conductivity

SAR = Sodium Adsorption Ratio

ft bgs - Feet below ground surface

mmhos/cm - Millimhos per centimeter

mg/L - Milligrams per liter

NA - Not Analyzed

CECMC - Colorado Energy and Carbon Management Commission



Table 2
CECMC Rule 915 Soil Analysis - Organics

Red Hawk - Plank 1-14 1-23-20

CECMC Remediation No. 35056

Sample ID	Depth	Sample Date	Location Description	PID	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	1,2,4-TMB	1,3,5-TMB	TPH
	ft bgs			ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
<i>CECMC Table 915-1 Protection of Groundwater Soil Screening Level Concentrations</i>					<i>0.0026 (M)</i>	<i>0.69 (M)</i>	<i>0.78 (M)</i>	<i>9.9 (M)</i>	<i>0.0038 (R)</i>	<i>0.0081 (R)</i>	<i>0.0087 (R)</i>	<i>500</i>
<i>CECMC Table 915-1 Residential Soil Screening Level Concentrations</i>					<i>1.2</i>	<i>490</i>	<i>5.8</i>	<i>58</i>	<i>2</i>	<i>30</i>	<i>27</i>	<i>500</i>
P1T	1	6/5/2024	NW of Separator	NA	ND	ND	ND	ND	ND	ND	ND	ND
P2T	1	6/5/2024	NE of Separator	NA	ND	ND	ND	ND	ND	ND	ND	ND
P3T	1	6/5/2024	SE of Separator	NA	ND	ND	ND	ND	ND	ND	ND	ND
P4T	1	6/5/2024	SW of Separator	NA	ND	ND	ND	ND	ND	ND	ND	ND

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TPH - Total volatile (C6 - C10) and extractable (C10-C36) petroleum hydrocarbons

ft bgs - Feet below ground surface

PID - Photoionization Detector

mg/kg - Milligrams per kilogram

ppm - Parts per million

TMB - Trimethylbenzene

ND - Non-detect

NA - Not Analyzed

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(M) - The letter "(M)" following a protection of Groundwater soil screening level indicates the concentration is derived from the drinking water MCL.

(R) - The letter "(R)" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach.



Table 3
CECMC Rule 915 Soil Analysis - Metals

Red Hawk - Plank 1-14 1-23-20

CECMC Remediation No. 35056

Sample ID	Depth	Sample Date	Location Description	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Selenium	Silver	Zinc
	ft bgs			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
<i>CECMC Table 915-1 Protection of Groundwater Soil Screening Level Concentration</i>				<i>0.29 (M)</i>	<i>82 (M)</i>	<i>0.38 (M)</i>	<i>0.00067 (M)</i>	<i>46 (M)</i>	<i>14 (M)</i>	<i>26 (R)</i>	<i>0.26 (M)</i>	<i>0.8 (R)</i>	<i>370 (R)</i>
<i>CECMC Table 915-1 Allowable Residential Soil Screening Level Concentration</i>				<i>0.68</i>	<i>15000</i>	<i>71</i>	<i>0.3</i>	<i>3100</i>	<i>400</i>	<i>1500</i>	<i>390</i>	<i>390</i>	<i>23000</i>
P1T	1	6/5/2024	NW of Separator	3.23	180	0.101	ND	ND	7.65	5.85	ND	ND	ND
P2T	1	6/5/2024	NE of Separator	2.86	96.2	ND	ND	ND	4.50	4.28	ND	ND	ND
P3T	1	6/5/2024	SE of Separator	2.80	104	ND	ND	ND	4.24	5.02	ND	ND	ND
P4T	1	6/5/2024	SW of Separator	2.59	121	ND	ND	ND	4.92	5.02	ND	ND	ND

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ft bgs - Feet below ground surface

mg/kg - Milligrams per kilogram

ND - Non-detect

NA - Not Analyzed

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Table 4
CECMC Rule 915 Soil Analysis - Polycyclic Aromatic Hydrocarbons (PAHs)

Red Hawk - Plank 1-14 1-23-20
CECMC Remediation No. 35056

Sample ID	Depth ft bgs	Sample Date	Location Description	PID	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene
				ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
<i>CECMC Table 915-1 Protection of Groundwater Soil Screening Level Concentration</i>					<i>0.55 (R)</i>	<i>5.8 (R)</i>	<i>0.011 (R)</i>	<i>0.24 (R)</i>	<i>0.3 (M)</i>	<i>2.9 (R)</i>	<i>9 (R)</i>	<i>0.096 (R)</i>	<i>8.9 (R)</i>	<i>0.54 (R)</i>	<i>0.98 (R)</i>	<i>1.3 (R)</i>	<i>0.006 (R)</i>	<i>0.019 (R)</i>
<i>CECMC Table 915-1 Allowable Residential Soil Screening Level Concentration</i>					<i>360</i>	<i>1800</i>	<i>1.1</i>	<i>0.11</i>	<i>1.1</i>	<i>11</i>	<i>110</i>	<i>0.11</i>	<i>240</i>	<i>240</i>	<i>1.1</i>	<i>180</i>	<i>18</i>	<i>24</i>
P1T	1	6/5/2024	NW of Separator	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P2T	1	6/5/2024	NE of Separator	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P3T	1	6/5/2024	SE of Separator	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P4T	1	6/5/2024	SW of Separator	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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mg/kg - Milligrams per kilogram

ND - Non-detect

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