

TABLE 4
METALS ANALYTICAL RESULTS SUMMARY
NOBLE PAD
PW DUMPLINE RELEASE
40.254537, -105.033619
NW1/4 SW1/4 SEC.5 T3N R68W 6PM
WELD COUNTY, COLORADO
LOCATION ID 454131
SPILL ID 488470

Sample Location (Latitude, Longitude)	Date	Approximate Depth (feet)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Hexavalent Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
CECMC Table 915-1 Residential Soil Screening Levels			0.68**	15,000	71	0.3*	3,100	400	1,500	390	390	23,000
CECMC Table 915-1 Protection of Groundwater Soil Screening Levels			0.29**	82***	0.38	0.00067*	46	14****	26	0.26*****	0.8	370
Local Cleanup Level			9.21**	218***	-	-	-	18.6****	-	0.552*****	-	-
EX-SS-01 @ 4' (40.254547, -105.033619)	11/11/24	4	5.20**	160***	0.165	<0.191*	11.0	10.7	13.4	0.279*****	<0.0846	46.3
EX-SS-02 @ 4' (40.254538, -105.033606)	11/11/24	4	5.62**	169***	0.180	<0.190*	12.3	11.6	14.7	0.287*****	<0.0889	50.8
EX-SS-03 @ 4' (40.254531, -105.033618)	11/11/24	4	5.32**	153***	0.185	<0.200*	12.5	11.5	15.4	0.261*****	<0.0852	51.7
EX-SS-04 @ 4' (40.254538, -105.033632)	11/11/24	4	5.39**	156***	0.170	<0.189*	11.8	11.4	14.6	0.288*****	<0.0988	49.7
EX-FS-01 @ 6' (40.254537, -105.033619)	11/11/24	6	6.97**	168***	0.134	<0.194*	11.8	12.2	14.6	0.371*****	<0.0920	50.9
EX-FS-01 @ 11' (40.254537, -105.033619)	11/13/24	11	4.25**	26.5	<0.0889	<0.123*	<8.89	7.68	7.70	<0.231	<0.0889	<32.9
EX-FS-01 @ 13' (40.254537, -105.033619)	11/18/24	13	4.03**	29.4	<0.0957	<0.210*	<9.57	7.80	7.18	<0.249	<0.0957	<35.4
EX-SS-05 @ 5' (40.254540, -105.033647)	11/20/24	5	6.90**	155***	0.141	<0.244*	11.3	11.9	15.7	0.333*****	<0.0844	50.4
EX-SS-06 @ 5' (40.254557, -105.033623)	11/20/24	5	6.76**	146***	0.156	<0.244*	11.7	11.3	15.3	0.308*****	<0.0966	49.1
Background												
Background-01 @ 0.5' (40.254839, -105.033631)	11/11/24	0.5	6.40**	151***	0.243	<0.190*	13.9	14.9*****	16.0	0.409*****	<0.0945	62.7
Background-02 @ 0.5' (40.254290, -105.032384)	11/11/24	0.5	6.86**	161***	0.252	<0.176*	15.20	14.3*****	17.8	0.403*****	<0.0844	68.8
Background-03 @ 0.5' (40.253516, -105.032638)	11/11/24	0.5	7.07**	169***	0.265	<0.182*	14.9	14.1*****	17.7	0.392*****	<0.0882	65.5
Background-04 @ 0.5' (40.254356, -105.034531)	11/11/24	0.5	6.75**	165***	0.259	<0.195*	14.3	14.4*****	17.2	0.442*****	<0.0992	67.0
Background-01 @ 5' (40.254839, -105.033631)	11/20/24	5	7.37**	175***	0.158	<0.244*	12.1	13.9	17.2	0.390*****	<0.0923	57.1
Background-02 @ 5' (40.254290, -105.032384)	11/20/24	5	6.34**	101***	0.143	<0.244*	13.0	12.8	17.5	0.272*****	<0.0997	56.1

TABLE 4
METALS ANALYTICAL RESULTS SUMMARY
NOBLE PAD
PW DUMPLINE RELEASE
40.254537, -105.033619
NW1/4 SW1/4 SEC.5 T3N R68W 6PM
WELD COUNTY, COLORADO
LOCATION ID 454131
SPILL ID 488470

Sample Location (Latitude, Longitude)	Date	Approximate Depth (feet)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Hexavalent Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
<i>CECMC Table 915-1 Residential Soil Screening Levels</i>			0.68**	15,000	71	0.3*	3,100	400	1,500	390	390	23,000
<i>CECMC Table 915-1 Protection of Groundwater Soil Screening Levels</i>			0.29**	82***	0.38	0.00067*	46	14****	26	0.26*****	0.8	370
<i>Local Cleanup Level</i>			9.21**	218***	-	-	-	18.6****	-	0.552*****	-	-
Background-03 @ 5' (40.253516, -105.032638)	11/20/24	5	6.16**	111***	0.181	<0.244*	11.9	12.9	16.9	0.295*****	<0.0864	56.1
Background-04 @ 5' (40.254356, -105.034531)	11/20/24	5	4.60**	44.6	<0.0896	<0.244*	<8.96	8.94	8.09	<0.233	<0.0896	33.3

CECMC = Colorado Energy & Carbon Management Commission
mg/kg = milligrams per kilogram

Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit.

Values presented in **BOLD** contained concentrations exceeding CECMC Table 915-1 Protection of Groundwater Soil Screening Level Limits but within Background results

Values presented in **BOLD** contained concentrations exceeding CECMC Table 915-1 Protection of Groundwater Soil Screening Level Limits and Background results

*Achievable practical quantitative limits for Hexavalent Chromium in soils is in the range of 0.1 to 1 mg/kg.

**Arsenic is naturally occurring in Colorado. Local Cleanup Level (9.21 mg/kg) is 1.25 x Background (7.37 mg/kg).

***Barium is naturally occurring in Colorado. Local Cleanup Level (218 mg/kg) is 1.25 x Background (175 mg/kg).

****Lead is naturally occurring in Colorado. Local Cleanup Level (18.6 mg/kg) is 1.25 x Background (14.9 mg/kg).

*****Selenium is naturally occurring in Colorado. Local Cleanup Level (0.552 mg/kg) is 1.25 x Background (0.442 mg/kg).

