

Black Hills - HSCU #3 Pit Excavation Confirmation Analytical Results	COGCC Table 910-1 Threshold	Sample Locations							
		Sample Date 9/13/2016	Sample Date 9/13/2016	Sample Date 9/13/2016	Sample Date 9/13/2016	Sample Date 9/13/2016	Sample Date 1/20/2016	Sample Date 1/20/2016	Sample Date 1/20/2016
		North Wall @ 5ft	South Wall @ 5ft	East Wall @ 5ft	West Wall @ 5ft	Bottom @ 9ft	Background 1	Background 2	Background 3
DRO	500	ND	0.591	3.53	64.7	5.82	NA	NA	NA
GRO		8.72	8.49	58.9	26.5	7.37	NA	NA	NA
BENZENE	0.17	ND	ND	ND	ND	ND	NA	NA	NA
TOLUENE	85	ND	ND	ND	ND	ND	NA	NA	NA
ETHYL BENZENE	100	ND	ND	ND	ND	ND	NA	NA	NA
XYLENE TOTAL	175	ND	ND	ND	ND	ND	NA	NA	NA
ACENAPHTHENE	1,000	ND	ND	0.00799	ND	ND	NA	NA	NA
ANTHRACENE	1,000	ND	ND	0.0093	ND	ND	NA	NA	NA
BENZO(A)ANTHRACENE	0.22	ND	ND	ND	ND	ND	NA	NA	NA
BENZO(A)PYRENE	0.022	ND	ND	ND	ND	ND	NA	NA	NA
BENZO(B)FLUORANTHENE	0.22	ND	ND	ND	ND	ND	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2	ND	ND	ND	ND	ND	NA	NA	NA
CHRYSENE	22	ND	ND	ND	ND	ND	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	0.022	ND	ND	ND	ND	ND	NA	NA	NA
FLUORANTHENE	1,000	ND	ND	ND	ND	ND	NA	NA	NA
FLUORENE	1,000	ND	ND	0.0239	0.0176	ND	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.22	ND	ND	ND	ND	ND	NA	NA	NA
NAPHTHALENE	23	ND	ND	0.0378	ND	ND	NA	NA	NA
PYRENE	1,000	ND	ND	0.00664	ND	ND	NA	NA	NA
ARSENIC	0.39	ND	2.11	2.43	ND	ND	6.5	NA	NA
BARIUM	15,000	243	246	552	196	172	NA	NA	NA
CADMIUM	70	ND	ND	ND	ND	ND	NA	NA	NA
CHROMIUM	-	8.49	10.1	10.1	7.58	6.82	NA	NA	NA
CHROMIUM (III)	120,000	6.81	10.1	10.1	7.58	6.82	NA	NA	NA
CHROMIUM (IV)	23	ND	ND	ND	ND	ND	NA	NA	NA
COPPER	3,100	11.7	11	17	10.1	12.7	NA	NA	NA
LEAD	400	15.7	13.7	24.7	14.5	18.6	NA	NA	NA
MERCURY	23	ND	ND	0.0525	ND	0.0226	NA	NA	NA
NICKEL	1,600	8.04	7.95	10.2	7.38	16	NA	NA	NA
SELENIUM	390	ND	ND	ND	ND	ND	NA	NA	NA
SILVER	390	ND	ND	ND	ND	ND	NA	NA	NA
ZINC	23,000	30.6	34.3	39.2	29	31.5	NA	NA	NA
ELECTRICAL CONDUCTIVITY (EC) (mmho/cm)	<4 mmhos/cm or x2 bkad	10.3	7.12	8.26	7.45	4.57	1.1	1.3	1.4
pH	6 to 9	8.3	9.47	8.26	9.34	9.3	8.1	8.2	8.0
SODIUM ADSORPTION RATIO (SAR)	12	12.3	2.3	3.9	4.75	4.62	0.093	1.2	0.13