

Table 1
BOPCO 2-22-1 SPILL
Sample Analytical Summary
Sample Location SS1

SAMPLE SUMMARY		
Sample Location	Origin	Background
Sample Type	Soil Grab	Soil Grab
Sample Depth	0-2' bgs	0-1' bgs
Sample Date	12/3/2010	12/3/2010

LABORATORY DATA SUMMARY				
Sample ID	BOBCO 2-22-1 SS1	BOBCO 2-22-1 BG1	COGCC Allowable Limits Table 910-1	Units
Analytical Parameters				
Organic Compounds				
TPH - Total	590	NA	500 (*combined)	mg/kg
Gasoline Range Organics (GRO)	250	NA	*	mg/kg
Diesel Range Organics (DRO)	340	NA	*	mg/kg
Benzene	0.10	NA	0.17	mg/kg
Toluene	1.6	NA	85	mg/kg
Ethylbenzene	0.26	NA	100	mg/kg
Total Xylenes	12	NA	175	mg/kg
Acenaphthene	<0.033	NA	1,000	mg/kg
Anthracene	<0.033	NA	1,000	mg/kg
Benzo(a)anthracene	<0.033	NA	0.22	mg/kg
Benzo(a)pyrene	<0.033	NA	0.022	mg/kg
Benzo(b)fluoranthene	<0.033	NA	0.22	mg/kg
Benzo(k)fluoranthene	<0.033	NA	2.2	mg/kg
Indeno(1,2,3-cd)pyrene	<0.033	NA	0.22	mg/kg
Chrysene	<0.033	NA	22	mg/kg
Dibenzo(a,h)anthracene	<0.033	NA	0.022	mg/kg
Fluoranthene	<0.033	NA	1,000	mg/kg
Fluorene	<0.033	NA	1,000	mg/kg
Naphthalene	0.55	NA	23	mg/kg
Pyrene	<0.033	NA	1,000	mg/kg
Physical Properties				
Sodium Absorption Ratio	11	NA	<12	
Electrical Conductivity	1.2	NA	<4	mmhos/cm
pH	8.0	NA	6 to 9	
Metals				
Arsenic	2.0	4.3	0.39	mg/kg
Barium	190	NA	15,000	mg/kg
Cadmium	<0.25	NA	70	mg/kg
Chromium, Hexavalent	<2.0	NA	23	mg/kg
Chromium, Trivalent	37	NA	120,000	mg/kg
Copper	13	NA	3,100	mg/kg
Lead	9.0	NA	400	mg/kg
Mercury	0.030	NA	23	mg/kg
Nickel	24	NA	1,600	mg/kg
Selenium	9.1	NA	390	mg/kg
Silver	<0.50	NA	390	mg/kg
Zinc	41	NA	23,000	mg/kg

bgs - below ground surface

<## - parameter reported under detection limit

NR - analysis not requested

mg/kg - milligrams per kilogram

mmhos/cm - milliohms per centimeter

Result exceeds COGCC allowable limits

Result exceeds COGCC allowable limits, but is lower than natural background