

Table 1  
BOPCO YCF 2-35-1  
Soil Sample Summary

SAMPLE SUMMARY							
Location Description	Spill Origination Point	Origin Resample	Spill Termination Point	Termination Resample	Yellow Creek Entry Point		
Sample Type	Soil - Grab	Soil - Grab	Soil - Grab	Soil - Grab	Soil - Grab		
Sample Date	9/23/2010	10/4/2010	9/23/2010	10/4/2010	10/4/2010		
LABORATORY DATA SUMMARY							
Sample ID	2-35-1 SS1	2-35-1 SS1	2-35-1 SS2	2-35-1 SS3	2-35-1 SS2	COGCC ALLOWABLE LIMITS	UNITS
Depth	0-1' BGS	1-2' BGS	0-1' BGS	0-1' BGS	0-1' BGS		
Analytical Parameters							
TPH							
TPH-GRO	310	1.1	480	ND	1	-	mg/kg
TPH-DRO	320	73.1	200	46	91	-	mg/kg
Total TPH	630	74.2	680	46	92	* 500 combined	mg/kg
BTX							
Benzene	0.33	ND	0.27	ND	ND	0.17	mg/kg
Toluene	2.7	ND	2.4	ND	ND	85	mg/kg
Ethylbenzene	0.63	ND	0.40	ND	ND	100	mg/kg
Total Xylene	11	0.009	7.0	0.018	0.016	175	mg/kg
Metals							
Chromium, Hexavalent	ND	NT	ND	NT	NT	23	mg/kg
Chromium, Trivalent	27	NT	28	NT	NT	120,000	mg/kg
Mercury	ND	NT	ND	NT	NT	23	mg/kg
Arsenic	6.6	8.6	6.0	4.6	6.3	0.39	mg/kg
Barium	300	NT	260	NT	NT	15,000	mg/kg
Cadmium	ND	NT	ND	NT	NT	70	mg/kg
Copper	13	NT	14	NT	NT	3,100	mg/kg
Lead	10	NT	9.9	NT	NT	400	mg/kg
Nickel	8.5	NT	11	NT	NT	1,600	mg/kg
Selenium	ND	NT	ND	NT	NT	390	mg/kg
Silver	ND	NT	0.92	NT	NT	390	mg/kg
Zinc	38	NT	42	NT	NT	23,000	mg/kg
Polynuclear Aromatic Hydrocarbons							
Anthracene	ND	NT	ND	NT	NT	1,000	mg/kg
Acenaphthene	ND	NT	ND	NT	NT	1,000	mg/kg
Benzo(a)anthracene	ND	NT	ND	NT	NT	0.22	mg/kg
Benzo(a)pyrene	ND	NT	ND	NT	NT	0.022	mg/kg
Benzo(b)fluoranthene	ND	NT	ND	NT	NT	0.22	mg/kg
Benzo(k)fluoranthene	ND	NT	ND	NT	NT	2.2	mg/kg
Chrysene	ND	NT	ND	NT	NT	22	mg/kg
Dibenzo(a,h)anthracene	ND	NT	ND	NT	NT	0.022	mg/kg
Fluoranthene	ND	NT	ND	NT	NT	1,000	mg/kg
Fluorene	ND	NT	ND	NT	NT	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	ND	NT	ND	NT	NT	0.22	mg/kg
Napthalene	0.480	NT	0.350	NT	NT	23	mg/kg
Pyrene	ND	NT	ND	NT	NT	1,000	mg/kg
General Chemistry							
pH	8.7	NT	8.9	NT	NT	6-9	
Sodium Adsorption Ratio	30	8.4	43	14	30	<12	
Specific Conductance	2,400	NT	2,000	NT	NT	4,000	umhos/cm

BGS - Below Ground Surface  
mg/kg - milligrams per kilogram  
ND - parameter was not detected  
NT - parameter not tested  
umhos/cm - micromhos per centimeter