

TABLE 1
SOIL ANALYTICAL RESULTS
COUNTY ROAD 303 PIPELINE
BP AMERICA PRODUCTION COMPANY

SAMPLE ID DEPTH	SS01 (0-12")	SS02 (0-6")	SS02 (6-12")	SS03 (0-12")	SS04 (0-12")	SS05 (0-12")	SS06 (0-12")	SS07* (0-12")	COGCC TABLE 910-1	UNITS
pH	6.34	8.00	8.00	8.36	7.24	6.23	6.41	7.24	6-9	pH units
SAR	0.21	28.7	25.4	39.9	13.1	3.21	0.16	0.08	<12	no units
EC	0.268	3.830	3.850	5.450	2.400	1.810	0.350	0.245	<4 or 2x BG	mmhos/cm
Calcium	42.7	55.4	62.8	70.2	66.0	171	59.6	45.4	NA	mg/L
Magnesium	<10.0	<10.0	<10.0	14.2	10.8	29.5	11.0	<10.0	NA	mg/L
Sodium	<20.0	853	807	1,400	434	173	<20.0	<20.0	NA	mg/L
Barium	180	163	161	321	153	172	163	170	15,000	mg/kg
Cadmium	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	70	mg/kg
Chromium	13.3	12.0	12.3	7.42	12.2	13.6	13.9	12.5	23	mg/kg
Copper	18.1	15.9	14.7	10.1	14.6	16.0	15.6	12.8	3,100	mg/kg
Lead	19.6	21.5	18.2	<10.0	17.8	20.5	20.8	13.8	400	mg/kg
Nickel	14.5	12.9	13.0	7.26	12.0	14.2	13.8	13.3	1,600	mg/kg
Selenium	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	390	mg/kg
Silver	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	390	mg/kg
Zinc	62.9	46.5	43.4	24.7	44.9	51.1	54.6	43.2	23,000	mg/kg
Arsenic	2.83	2.85	2.72	1.72	3.32	3.66	3.15	2.93	0.39	mg/kg
Mercury	<0.107	<0.125	<0.121	<0.125	<0.121	<0.120	<0.120	<0.103	23	mg/kg
Boron	<0.600	0.758	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	2	mg/L
Benzene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.17	mg/kg
Toluene	0.381	<0.050	<0.050	<0.050	<0.050	0.515	0.753	0.948	85	mg/kg
Ethylbenzene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	100	mg/kg
Total Xylenes	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	175	mg/kg
TPH GRO	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA	mg/kg
TPH DRO	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA	mg/kg
TPH EXT DRO	<10.0	<10.0	<10.0	<10.0	<10.0	13.4	<10.0	<10.0	NA	mg/kg
TPH	<30.0	<30.0	<30.0	<30.0	<30.0	<33.4	<30.0	<30.0	500	mg/kg
Acenaphthene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	1,000	mg/kg
Anthracene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	1,000	mg/kg
Benzo(a)anthracene	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.22	mg/kg
Benzo(b)fluoranthene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.22	mg/kg
Benzo(k)fluoranthene	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	2.2	mg/kg
Benzo(a)pyrene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.022	mg/kg
Chrysene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	22	mg/kg
Dibenz(a,h)anthracene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.022	mg/kg
Fluoranthene	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	1,000	mg/kg
Fluorene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.22	mg/kg
Naphthalene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	23	mg/kg
Pyrene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	1,000	mg/kg

Notes:

All samples collected on September 2, 2015.

*SS07 is a background sample.

ND - Not detected

SAR - Sodium Adsorption Ratio

EC - Electrical Conductivity

Bold value exceeds COGCC Table 910-1

TPH - Total Petroleum Hydrocarbons

mg/kg - milligrams per kilogram

mg/L - milligrams per Liter

GRO, DRO - Gasoline Range Organics, Diesel Range Organics

EXT - Extended