



BP America Production Company
Bird Farm Pipe Riser
COGCC ID# 446080
Soil Sample Analytical Results

Analyte	SS01 (0-12")	SS02 (0-12")	COGCC Table 910-1	Units
pH	7.95	7.95	6 to 9	Standard Units
SAR	2.51	1.01	<12	No units
EC	0.5	0.49	<4 or 2x BG	mmhos/cm
Calcium	48.1	67.5	NA	mg/L
Magnesium	<10	13.8	NA	mg/L
Sodium	71.8	34.7	NA	mg/L
Barium	216	199	15,000	mg/kg
Cadmium	<5.00	<5.00	70	mg/kg
Chromium	10.2	14.3	23	mg/kg
Copper	4.28	6.84	3,100	mg/kg
Lead	13.8	16.2	400	mg/kg
Nickel	11.5	15.4	1,600	mg/kg
Selenium	<20.0	<20.0	390	mg/kg
Silver	<5.00	<5.00	390	mg/kg
Zinc	34.5	45.5	23,000	mg/kg
Arsenic	2.83	3.96	0.39	mg/kg
Mercury	<0.119	<0.103	23	mg/kg
Boron	<0.600	<6.00	2	mg/L
Benzene	<0.050	<0.050	0.17	mg/kg
Toluene	0.393	0.629	85	mg/kg
Ethylbenzene	<0.050	<0.050	100	mg/kg
Xylenes (total)	<0.150	<0.150	175	mg/kg
TPH GRO	<10.0	<10.0	NA	mg/kg
TPH DRO	<10.0	<10.0	NA	mg/kg
TPH Ext DRO	<10.0	<10.0	NA	mg/kg
TPH	<30.0	<30.0	500	mg/kg
Acenaphthene	<0.003	<0.003	1,000	mg/kg
Anthracene	<0.003	<0.003	1,000	mg/kg
Benz(a)anthracene	<0.016	<0.016	0.22	mg/kg
Benzo(b)fluoranthene	0.009	<0.003	0.22	mg/kg
Benzo(k)fluoranthene	0.014	<0.004	2.2	mg/kg
Benzo(a)pyrene	0.008	0.005	0.022	mg/kg
Chrysene	0.003	<0.003	22	mg/kg
Dibenz(a,h)anthracene	0.016	<0.003	0.022	mg/kg
Fluoranthene	<0.007	<0.007	1,000	mg/kg
Fluorene	<0.003	<0.003	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	0.015	<0.003	0.22	mg/kg
Naphthalene	<0.002	<0.002	23	mg/kg
Pyrene	<0.003	<0.003	1,000	mg/kg

Notes:

Bold text indicates values that exceed Table 910-1 standards