

## 616-21-32 - Mesa Production Pit

Pad #:	616-21-32
Sample Date:	9/17/2008
Clearance Achieved Date:	

	MCL (mg/kg)	Sample Identifications (mg/kg)					
		Post Reserve Pit Reclaim 9/17/2008	Post Production Pit Reclaim 11/26/2008	Pond G SW Background 10/21/2010	Pond G NE Background 10/21/20010	Pond G NW Background 10/21/2010	Pond G SE Background 10/21/2010
<b>Organics in Soil</b>							
<b>TPH (GRO and DRO)</b>	<b>500</b>	<b>1800</b>	<b>5.0</b>	<b>1.30</b>	<b>&lt;1.0</b>	<b>3.9</b>	<b>&lt;1.0</b>
Benzene	0.17	<0.0025	<0.0025	<0.00090	<0.00090	<0.00090	<0.00090
Toluene	85	<0.025	<0.025	<0.0015	<0.0015	<0.0015	<0.0015
Ethylbenzene	100	<0.0025	<0.0025	<0.0013	<0.0013	<0.0013	<0.0013
Xylenes	175	<0.0075	<0.0075	<0.0028	<0.0028	<0.0028	<0.0028
<b>Organics in Soil (PAH's)</b>							
Acenaphthene	1000	NA	NA				NA
Anthracene	1000	NA	NA				NA
Benzo(A)anthracene	0.22	NA	NA				NA
Benzo(B)fluoranthene	0.22	NA	NA				NA
Benzo(K)fluoranthene	2.2	NA	NA				NA
Benzo(A)pyrene	0.022	NA	NA				NA
Chrysene	22	NA	NA				NA
Dibenzo(A,H)anthracene	0.022	NA	NA				NA
Fluoranthene	1000	NA	NA				NA
Flourene	1000	NA	NA				NA
Indeno(1,2,3,C,D)pyrene	0.22	NA	NA				NA
Napthalene	23	NA	NA				NA
Pyrene	1000	NA	NA				NA
<b>Inorganics in Soil</b>							
EC	<4 mmhos/cm or 2X background	5.80	0.620	0.089	0.094	0.084	0.075
SAR	<12	17.0	2.6	2.2	1.7	0.96	1.8
pH	6-9	7.7	8.7	8.7	8.6	8.0	8.6
<b>Metals in Soils</b>							
Arsenic	0.39	8.4	5.4	20.0	22.0	14.0	12.0
Barium (LDNR True Total)	15000	310	380				
Cadmium	70	0.33	1.2				
Chromium	120000	48.0	51.0				
Chromium VI	23	NA	-				
Copper	3100	21.0	21.0				
Lead	400	16.0	17.0				
Mercury	23	0.210	0.027				
Nickel	1600	20.0	40.0				
Selenium	390	<1.0	3.80				
Silver	390	<0.50	1.4				
Zinc	23000	54.0	67.0				