

Lujan, Carlos

From: Rauen, Jason [Jason.Rauen1@williams.com]
Sent: Monday, June 21, 2010 1:26 PM
To: Fischer, Alex
Cc: Lujan, Carlos; Gardner, Michael
Subject: Re: Remediation Number 4938 - TR 31-21-597

Alex –

In reference and respective to the following:

Re: Remediation Number 4938

Facility Number: 284696

The purpose of this email is to elucidate the “relevant” analytes from Table 910-1 as indicated on the relevant Form 27:

Contaminant of Concern	Concentrations	Units
Organic Compounds in Soil		
TPH (total volatile and extractable petroleum hydrocarbons)	500	mg/kg
Benzene	0.17	mg/kg
Toluene	85	mg/kg
Ethylbenzene	100	mg/kg
Xylenes (Total)	175	mg/kg
Acenaphthene	1,000	mg/kg
Anthracene	1,000	mg/kg
Benzo(A)anthracene	0.22	mg/kg
Benzo(B)fluoranthene	0.22	mg/kg
Benzo(K)fluoranthene	2.2	mg/kg
Benzo(A)pyrene	0.022	mg/kg
Chrysene	22	mg/kg
Dibenzo(A,H)anthracene	0.022	mg/kg
Fluoranthene	1,000	mg/kg
Fluorene	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	0.22	mg/kg
Naphthalene	23	mg/kg
Pyrene		mg/kg

	1,000	
Inorganics in Soil		
Electrical Conductivity (EC)	<4 mmhos/cm or 2 x background	mmhos
Sodium Adsorption Rate (SAR)	<12	Unitless
pH	6-9	Unitless
Metals in Soil		
Arsenic	0.39	mg/kg
Barium (LDNR True Total Barium)	15,000	mg/kg
Cadmium	70	mg/kg
Chromium (III)	120,000	mg/kg
Chromium (VI)	23	mg/kg
Copper	3,100	mg/kg
Lead (inorganic)	400	mg/kg
Mercury	23	mg/kg
Nickel (soluble salts)	1,600	mg/kg
Selenium	390	mg/kg
Silver	390	mg/kg
Zinc	23,000	mg/kg
Liquid Hydrocarbons in Soil		
Liquid Hydrocarbons including condensate and oil	Below detection level	Visual

Please let me know if you have any questions, concerns or are in need of additional information.

Regards,

Jason Rauen

Environmental Specialist II
Williams Production RMT Company
Piceance Highlands Asset Team
1058 County Road 215
Parachute, CO 81635
Office: 970.285.9377 Ext. 8993
Fax: 970.263.5313
Cell: 970.274.4564
Email: Jason.Rauen1@williams.com

