

Monitoring/Reporting - Entry Point

Shirt Tail Gulch Development

EPA ID: 2232

SAMPLING

Entry point: Treat Site - Well #2

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No			No Sample Data
	B. Arsenic	Triennially	No	May-16		
	C. Barium	Triennially	No			No Sample Data
	D. Beryllium	Triennially	No			No Sample Data
	E. Cadmium	Triennially	No			No Sample Data
	F. Chromium	Triennially	No			No Sample Data
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride	Triennially	No			No Sample Data
	I. Mercury	Triennially	No			No Sample Data
	J. Nickel	Triennially	No			No Sample Data
	K. Selenium	Triennially	No			No Sample Data
	L. Thallium	Triennially	No			No Sample Data
2	Radiological Chemicals	Quarterly	N/A			
3	VOC Chemicals		No			No Sampling Data
4	SOC Chemicals					
	A. Method 515.1	Quarterly	No		2013	
	B. Method 524	Quarterly	No		2013	
	C. Method 525	Quarterly	No		2013	
	D. Method 531.1	Quarterly	No		2013	
	E. Method 547	Quarterly	No		2013	
	F. Method 548	Quarterly	No		2013	
	G. Method 549	Quarterly	No		2013	
5	Nitrate	Annually	N/A	Jun-16		
6	Nitrite	Triennially	N/A	/ /		

(These values are calculated from available data. Check correspondence for verification.)

Bacteriological Monitoring

Bacteriological sampling and analysis: October 1, 2015 to October 1, 2016

A	Samples submitted:	<u>13</u>
B	Samples required:	<u>One Sample Each Month.</u>
C	Survey samples:	<u>0</u>
D	Safe samples:	<u>13</u>
E	Unsafe samples:	<u>0</u>
F	Repeat samples:	<u>0</u>
H	Groundwater Samples:	

Lead and Copper Monitoring

(These values are calculated from available data. Check correspondence for verification.)

A	Date Last Tested:	<u>September 18, 2013</u>
B	Samples required:	<u>5</u>
C	Sampling Frequency	<u>Every Six Months</u>
D	Date Due Next	
E	Lead - 90% Level	<u>1</u> Action Level - 15 ug/l
F	Copper 90% Level	<u>0.055</u> Action Level - 1.3 mg/l

Disinfectant Residual Monitoring

Residual sampling and analysis: October 1, 2015 to October 1, 2016

A	Samples submitted:	<u>13</u>
B	Samples required:	<u>One Sample Each Month.</u>
C	Last Qtr Cl Residual:	<u>0.8</u> mg/l
D	Running Annual Average:	<u>0.78</u> mg/l
E	Date of last DBP test:	<u>September 24, 2013</u>
F	THM - Qtr Average:	<u>0.61</u> ug/l
G	Haa5 - Qtr Average:	<u>0</u> ug/l

Asbestos

A	Date of last test:	<u>Waiver - Testing Not Required</u>
B	Asbestos Result:	<u></u> million fibers per liter

Comments

Violations and Significant Deficiencies

Shirt Tail Gulch Development

EPA ID: 2232

Violations From October 1, 2011 To October 1, 2016

Violation Type	Parameter	Date	Status
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2016	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Exceedance of Allowable Contaminant Level	Alpha Emitters	01/01/2016	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	10/01/2015	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2015	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2015	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	07/01/2015	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	04/01/2015	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2015	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2015	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	01/01/2015	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Lack of Certified Operator	Certified Operator	02/01/2015	Reminder Notice
	DBP		Compliance Achieved
Exceedance of Allowable Contaminant Level	Alpha Emitters	10/01/2014	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2014	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2014	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	07/01/2014	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2014	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	04/01/2014	Public Notice Requested

	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2014	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	01/01/2014	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	IOCs - Arsenic	04/01/2014	Public Notice Requested
	IOCs - Arsenic		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2013	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	10/01/2013	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2013	Public Notice Requested
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	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2013	Public Notice Requested
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	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2012	Public Notice Requested
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Significant Deficiency	Date Identified	Date Corrected