

Terra Cotta Estates Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)



This system is not a candidate for an award:

Violation

Population Served:	75	System Population:	75
Certified Operator:	Mr Al Sage 5310 Ebony Place Piedmont, SD 57769	Work Phone:	(605)391-7483
		Home Phone:	(605)787-4681
		Cell Phone:	
		Fax:	
		Email:	msagebrush@aol.com
Financial Contact:	Mr Al Sage 5310 Ebony Place Piedmont, SD 57769	Work Phone:	
		Home Phone:	
		Cell Phone:	
		Fax:	
		Email:	
Other Contacts:	Mr Jeremy Cummings PO Box 782 Rapid City, SD 57709-0782	Work Phone:	
		Home Phone:	
		Cell Phone:	
		Fax:	
		Email:	roosterlivebait@gmail.com
Last Inspection:	May 6, 2014		
Type of System:	Community	Area Served:	Pennington County
Number of Service Connections:	30	Contamination Risk:	high
Water Produced And Used By The Terra Cotta Estates Public Water System			
PWS Owner Type:	Private Ownership	Service Area:	Housing Development
Contract Laboratory:			Midcontinent Laboratory

Monitoring/Reporting - Entry Point

Terra Cotta Estates

EPA ID: 2306

SAMPLING

Entry point: Treat Site - Well #1

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No	Apr-14		
	B. Arsenic	Triennially	No	Apr-14		
	C. Barium	Triennially	No	Apr-14		
	D. Beryllium	Triennially	No	Apr-14		
	E. Cadmium	Triennially	No	Apr-14		
	F. Chromium	Triennially	No	Apr-14		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride	Triennially	No	Apr-14		
	I. Mercury	Triennially	No	Apr-14		
	J. Nickel	Triennially	No	Apr-14		
	K. Selenium	Triennially	No	Apr-14		
	L. Thallium	Triennially	No	Apr-14		
2	Radiological Chemicals	Quarterly	N/A			
3	VOC Chemicals		No	Feb-16		
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Mar-13	2019	
	B. Method 524	Triennially	No	Mar-13	2019	
	C. Method 525	Detections	No	Apr-14	2016	
	D. Method 531.1	Triennially	No	Mar-13	2019	
	E. Method 547	Triennially	No	Mar-13	2019	
	F. Method 548	Triennially	No	Mar-13	2019	
	G. Method 549	Triennially	No	Mar-13	2019	
5	Nitrate	Annually	N/A	Feb-16		
6	Nitrite	Triennially	N/A	Apr-14		

(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>11</u>
B	Samples required:	<u>One Sample Each Month.</u>
C	Survey samples:	<u>0</u>
D	Safe samples:	<u>11</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>August 26, 2013</u>
B	Samples required:	<u>5</u>
C	Sampling Frequency	<u>Triennially</u>
D	Date Due Next	<u>2016</u>
E	Lead - 90% Level	<u>1.5</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>11</u>
B	Samples required:	<u>One Sample Each Month.</u>
C	Last Qtr Cl Residual:	<u>0.9</u> mg/l
D	Running Annual Average:	<u>0.84</u> mg/l
E	Date of last DBP test:	<u>September 16, 2013</u>
F	THM - Qtr Average:	<u>2.5</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

Terra Cotta Estates

EPA ID: 2306

Violations From October 1, 2011 To October 1, 2016

Violation Type	Parameter	Date	Status
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2016	Public Notice Requested
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2016	Public Notice Requested
	Combined Radium		State Action-No Penalty
			Public Notice Received
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2016	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2015	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2015	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2015	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2015	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Exceedance of Allowable Contaminant Level	Total Coliform Bacteria	11/01/2014	Public Notice Requested
	Bacteriological		Compliance Achieved
	Bacteriological		Public Notice Received
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2014	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2014	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Failure to Issue PN for Violation 00123	Public Notice	04/06/2014	
	Public Notice		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2014	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
DBP Failure To Monitor	Chlorine	01/01/2014	Public Notice Requested
	Chlorine		Public Notice Received
	Chlorine		Compliance Achieved
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2014	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		DENR Issued PN
DBP Failure To Monitor	Chlorine	10/01/2013	Public Notice Requested
	Chlorine		Public Notice Received
	Chlorine		Compliance Achieved
Failure to Issue PN for Violation 00119	Public Notice	10/06/2013	
	Public Notice		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2013	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2013	Public Notice Requested

	Combined Radium		DENR Issued PN
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
DBP Failure To Monitor	Chlorine	07/01/2013	Public Notice Requested
	Chlorine		Public Notice Received
	Chlorine		Compliance Achieved
Failure to Issue PN for Violation 00116	Public Notice	06/16/2013	
	Public Notice		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2013	Public Notice Requested
	Combined Radium		DENR Issued PN
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Failure to Issue PN for Violation 00111	Public Notice	04/09/2013	
	Public Notice		Compliance Achieved
Failure to Issue PN for Violation 00109	Public Notice	03/03/2013	
	Public Notice		Compliance Achieved
DBP Failure To Monitor	Chlorine	04/01/2013	Public Notice Requested
	Chlorine		Public Notice Received
	Chlorine		Compliance Achieved
Failure to Report	Consumer Confidence Report	07/01/2013	Reminder Notice
	CCR		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2013	Public Notice Requested
	Combined Radium		DENR Issued PN
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
DBP Failure To Monitor	Chlorine	01/01/2013	Public Notice Requested
	Chlorine		Public Notice Received
	Chlorine		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2012	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		DENR Issued PN
	Combined Radium		Public Notice Received
Failure to Issue PN for Violation 00106	Public Notice	10/10/2012	
	Public Notice		Compliance Achieved
DBP Failure To Monitor	Chlorine	10/01/2012	Public Notice Requested
	Chlorine		Public Notice Received
	Chlorine		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2012	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		DENR Issued PN
	Combined Radium		Public Notice Received
DBP Failure To Monitor	Chlorine	07/01/2012	Public Notice Requested
	Chlorine		State Action-No Penalty
	Chlorine		Public Notice Received
	Chlorine		Compliance Achieved
Lack of Certified Operator	Certified Operator	07/24/2012	Reminder Notice
	DBP		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2012	Public Notice Requested
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2012	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty

Significant Deficiency	Date Identified	Date Corrected