

City of Pierre Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)



2017 Certificate of Achievement Award.

Population Served:	13,938	System Population:	13,938
Certified Operator:	Mr Dane Brewer PO Box 1253 Pierre, SD 57501-1253	Work Phone:	(605)773-7448
		Home Phone:	
		Cell Phone:	
		Fax:	(605)773-7406
		Email:	Dane.Brewer@ci.pierre.sd.us
Financial Contact:	Mr Lynn Patton PO Box 1253 Pierre, SD 57501-1253	Work Phone:	(605)773-3067
		Home Phone:	
		Cell Phone:	
		Fax:	(605)773-7406
		Email:	lynn.patton@ci.pierre.sd.us
Other Contacts:	Mayor Steve Harding PO Box 1253 Pierre, SD 57501-1253	Work Phone:	
		Home Phone:	
		Cell Phone:	
		Fax:	
		Email:	
Last Inspection:	June 20, 2017		
Type of System:	Community	Area Served:	Hughes County
Number of Service Connections:	5,141	Contamination Risk:	moderate
Water Produced And Used By The City of Pierre Public Water System			
PWS Owner Type:	Local Government	Service Area:	Municipality
Contract Laboratory:			State Health Lab, Pierre

Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #13

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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

Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #12

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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

Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #11

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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

Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #9

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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

Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #10

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #8

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	the second q	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #7

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every six years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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

Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #6

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Jun-11		
	B. Arsenic	Every nine years	Yes	Jun-11		
	C. Barium	Every nine years	Yes	Jun-11		
	D. Beryllium	Every nine years	Yes	Jun-11		
	E. Cadmium	Every nine years	Yes	Jun-11		
	F. Chromium	Every nine years	Yes	Jun-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Jun-11		
	J. Nickel	Every nine years	Yes	Jun-11		
	K. Selenium	Every nine years	Yes	Jun-11		
	L. Thallium	Every nine years	Yes	Jun-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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

Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #5

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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

Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #3

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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

Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #2

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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

Monitoring/Reporting - Entry Point

City of Pierre

EPA ID: 0242

SAMPLING

Entry point: Treat Site - Well #1

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Not Required	Yes			
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Not Required	Yes			
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	May-17		
6	Nitrite	Triennially	N/A	May-15		

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

Bacteriological Monitoring

Bacteriological sampling and analysis: January 1, 2017 to January 1, 2018

A Samples submitted:	<u>181</u>
B Samples required:	<u>Fifteen Samples Each Month.</u>
C Survey samples:	<u>0</u>
D Safe samples:	<u>181</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>June 30, 2017</u>
B Samples required:	<u>30</u>
C Sampling Frequency	<u>Triennially</u>
D Date Due Next	<u>2017</u>
E Lead - 90% Level	<u>2.6</u> Action Level - 15 ug/l
F Copper 90% Level	<u>0.92</u> Action Level - 1.3 mg/l

Disinfectant Residual Monitoring

Residual sampling and analysis: January 1, 2017 to January 1, 2018

A Samples submitted:	<u>181</u>
B Samples required:	<u>Fifteen Samples Each Month.</u>
C Last Qtr Cl Residual:	<u>0.77</u> mg/l
D Running Annual Average:	<u>1.24</u> mg/l
E Date of last DBP test:	<u>August 2, 2017</u>
F THM - Qtr Average:	<u>3.15</u> ug/l
G Haa5 - Qtr Average:	<u>5.89</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

City of Pierre

EPA ID: 0242

Violations From

January 1, 2013

To

January 1, 2018

Violation Type	Parameter	Date	Status
No Violations			

Significant Deficiency	Date Identified	Date Corrected