

# City of Vermillion Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)



## Secretary Award For Drinking Water Excellence

|  |  |                            |                             |
|--|--|----------------------------|-----------------------------|
| <b>Population Served:</b>  | 10,571   | <b>System Population:</b>  | 10,571                      |
| <b>Certified Operator:</b>   | Mr Randy Isaacson<br>25 Center Street<br>Vermillion, SD 57069  | <b>Work Phone:</b>         | (605)677-7079               |
|  |  | <b>Home Phone:</b>         |                             |
|  |  | <b>Cell Phone:</b>         |                             |
|  |  | <b>Fax:</b>                |                             |
|  |  | <b>Email:</b>              | randyi@cityofvermillion.com |
| <b>Financial Contact:</b>  | Mr Michael Carlson<br>25 Center Street<br>Vermillion, SD 57069 | <b>Work Phone:</b>         | (605)677-7079               |
|  |  | <b>Home Phone:</b>         |                             |
|  |  | <b>Cell Phone:</b>         |                             |
|  |  | <b>Fax:</b>                |                             |
|  |  | <b>Email:</b>              | mikec@cityofvermillion.com  |
| <b>Other Contacts:</b>   | Mayor Jack Powell<br>25 Center Street<br>Vermillion, SD 57069  | <b>Work Phone:</b>         |                             |
|  |  | <b>Home Phone:</b>         |                             |
|  |  | <b>Cell Phone:</b>         |                             |
|  |  | <b>Fax:</b>                |                             |
|  |  | <b>Email:</b>              |                             |
| <b>Last Inspection:</b>  | September 9, 2015  |                            |                             |
| <b>Type of System:</b>   | Community  | <b>Area Served:</b>        | Clay County                 |
| <b>Number of Service Connections:</b>  | 2,989  | <b>Contamination Risk:</b> | low                         |
| <b>Water Produced And Used By The City of Vermillion Public Water System</b> |  |                            |                             |
| <b>PWS Owner Type:</b>   | Local Government   | <b>Service Area:</b>       | Municipality                |
| <b>Contract Laboratory:</b>  |  |                            | State Health Lab, Pierre    |

# Monitoring/Reporting - Entry Point

City of Vermillion

EPA ID: 0342

## SAMPLING

Entry point: Treatment Plant

|   | Chemical               | Sampling Frequency | Waivers | Taken Last | Due Next | Notes                   |
|---|------------------------|--------------------|---------|------------|----------|-------------------------|
| 1 | Inorganic Chemicals    |                    |         |            |          |                         |
|   | A. Antimony            | Every nine years   | Yes     | Nov-11     |          |                         |
|   | B. Arsenic             | Every nine years   | Yes     | Nov-11     |          |                         |
|   | C. Barium              | Every nine years   | Yes     | Nov-12     |          |                         |
|   | D. Beryllium           | Every nine years   | Yes     | Nov-11     |          |                         |
|   | E. Cadmium             | Every nine years   | Yes     | Nov-12     |          |                         |
|   | F. Chromium            | Every nine years   | Yes     | Nov-12     |          |                         |
|   | G. Cyanide             |                    | Yes     |            |          | State-wide waiver       |
|   | H. Fluoride            |                    | No      |            |          | This system fluoridates |
|   | I. Mercury             | Every nine years   | Yes     | Nov-12     |          |                         |
|   | J. Nickel              | Every nine years   | Yes     | Nov-11     |          |                         |
|   | K. Selenium            | Every nine years   | Yes     | Nov-12     |          |                         |
|   | L. Thallium            | Every nine years   | Yes     | Nov-11     |          |                         |
| 2 | Radiological Chemicals | Every nine years   | N/A     |            |          |                         |
| 3 | VOC Chemicals          |                    | No      | Sep-15     |          |                         |
| 4 | SOC Chemicals          |                    |         |            |          |                         |
|   | A. Method 515.1        | Triennially        | No      | Nov-15     | 2018     |                         |
|   | B. Method 524          | Triennially        | No      | Nov-15     | 2018     |                         |
|   | C. Method 525          | Triennially        | No      | Nov-15     | 2018     |                         |
|   | D. Method 531.1        | Triennially        | No      | Nov-15     | 2018     |                         |
|   | E. Method 547          | Triennially        | No      | Nov-15     | 2018     |                         |
|   | F. Method 548          | Triennially        | No      | Nov-15     | 2018     |                         |
|   | G. Method 549          | Triennially        | No      | Nov-15     | 2018     |                         |
| 5 | Nitrate                | Annually           | N/A     | May-16     |          |                         |
| 6 | Nitrite                | Triennially        | N/A     | Nov-15     |          |                         |

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

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### Bacteriological Monitoring

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

|                        |                                |
|------------------------|--------------------------------|
| A Samples submitted:   | <u>126</u>                     |
| B Samples required:    | <u>Ten Samples Each Month.</u> |
| C Survey samples:      | <u>0</u>                       |
| D Safe samples:        | <u>123</u>                     |
| E Unsafe samples:      | <u>3</u>                       |
| F Repeat samples:      | <u>6</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 5, 2015</u>               |
| B Samples required:  | <u>30</u>                           |
| C Sampling Frequency | <u>Triennially</u>                  |
| D Date Due Next      | <u>2015</u>                         |
| E Lead - 90% Level   | <u>1.1</u> Action Level - 15 ug/l   |
| F Copper 90% Level   | <u>0.02</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>126</u>                     |
| B Samples required:       | <u>Ten Samples Each Month.</u> |
| C Last Qtr Cl Residual:   | <u>1.36</u> mg/l               |
| D Running Annual Average: | <u>1.23</u> mg/l               |
| E Date of last DBP test:  | <u>September 1, 2015</u>       |
| F THM - Qtr Average:      | <u>23.05</u> ug/l              |
| G Haa5 - Qtr Average:     | <u>3.4</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 Vermillion

EPA ID: 0342

Violations From

October 1, 2011

To

October 1, 2016

| Violation Type | Parameter | Date | Status |
|----------------|-----------|------|--------|
| No Violations  |           |      |        |
|                |           |      |        |

| Significant Deficiency | Date Identified | Date Corrected |
|------------------------|-----------------|----------------|
|                        |                 |                |
|                        |                 |                |