

**Annual Water Quality Report**  
**Detected Sample Results (Water Quality Table)**  
**RYAN HILL DEVELOPMENT**  
**PWSID # 2640050**  
**January 1, 2019 to December 31, 2019**

**Disinfection**

| Contaminant/<br>Unit of Measure | Annual<br>Monthly<br>Average | Highest<br>Monthly<br>Average | Lowest<br>Monthly<br>Average | Compliance<br>Achieved | MRDL<br>Allowed |
|---------------------------------|------------------------------|-------------------------------|------------------------------|------------------------|-----------------|
| Chlorine, mg/L                  | 0.88                         | 1.05                          | 0.77                         | Yes                    | 4.0             |

**Radioactive Contaminants**

| Contaminant/<br>Unit of Measure | Date<br>Tested | Violation<br>Yes/No | EP 101<br>Level Detected | MCL    | MCLG<br>(Goal) | Source of Contamination     |
|---------------------------------|----------------|---------------------|--------------------------|--------|----------------|-----------------------------|
| Gross Alpha, pCi/L              | 12/14/2016     | No                  | 1.09                     | 15     | <15            | Erosion of natural deposits |
| Radium-226, pCi/L               | 12/14/2016     | No                  | N/D                      | <5     | <5             | Erosion of natural deposits |
| Radium-228, pCi/L               | 12/14/2016     | No                  | N/D                      | <5     | <5             | Erosion of natural deposits |
| Uranium, pCi/L                  | 12/16/2019     | No                  | 0.003                    | 30,000 | <30,000        | Erosion of natural deposits |

**InOrganic Chemicals**

| Contaminant/<br>Unit of Measure                          | Date<br>Tested | Violation<br>Yes/No | Level Detected |  | MCL<br>mg/L | MCLG<br>(Goal) | Source of Contamination  |
|--|----------------|---------------------|----------------|--|-------------|----------------|--|
|  |                |                     | E.P. 101       |  |             |                |  |
| Barium, mg/L   | 9/18/2018      | No                  | 0.095          |  | 2           | <2             | Erosion of natural deposits.   |
| Nickel, mg/L   | 9/18/2018      | No                  | N/D            |  |             |                | Discharge of drilling wastes and refineries.                                     |
| Nitrate, mg/L  | 6/24/2019      | No                  | 1.03           |  | 10          | <10            | Runoff from fertilizer; leaching from septic tanks; erosion of natural deposits. |
| Nitrite, mg/L  | 6/24/2019      | No                  | N/D            |  | 1           |                |  |
| Arsenic (IOC), mg/L                                      | 9/18/2018      | No                  | N/D            |  | 0.01        | <.01           |  |
| **Nitrate and Arsenic (IOC) Samples Taken at ENTRY POINT |                |                     |                |  |             |                |  |

**Lead and Copper Rule Compliance Monitoring**

| Contaminant/Unit of Measure | Date Tested | Action Level | MCLG | Level Detected | Number of Sites above A.L. | Violation | Likely Source of Contamination                                       |
|-----------------------------|-------------|--------------|------|----------------|----------------------------|-----------|--|
| Copper/ppm                  | 7/29/2019   | 1            | <1.0 | 0.125          | 0 out of 5                 | None      | Corrosion of household plumbing systems, erosion of natural deposits |
| Lead/ppm                    | 7/29/2019   | 1.3          | <1.0 | N/D            | 0 out of 5                 | None      | Corrosion of household plumbing systems, erosion of natural deposits |

**Trihalomethanes/HaloAcetic Acids**

| Contaminant<br>Unit of Measure | Date<br>Tested | Level Detected |  | Violation<br>Yes/No | MCL<br>mg/L |
|--------------------------------|----------------|----------------|--|---------------------|-------------|
|                                |                | SITE 701       |  |                     |             |
| Trihalomethanes                | 12/16/2019     | N/D            |  | No                  | 0.08        |
| Haloacetic Acids               | 12/16/2019     | N/D            |  | No                  | 0.06        |

**SAMPLES FOR 21 VOLATILE ORGANIC CONTAMINANTS (VOC'S) WERE NOT DETECTED IN 2019**

**SAMPLES FOR INORGANIC CHEMICALS (IOC'S) WERE NOT DETECTED IN 2018**