San Andres Estates Water System, NM

Our drinking water meets all requirements of the Safe Drinking Water Act.

We are happy to present our new Jornada Water System customers with the 2016 Community Confidence Report on Water Quality. It’s the water you drink…now it comes with a list of ingredients. According to the Safe Drinking Water Act (SDWA), anything in water that is not H2O is considered a contaminant without regard to whether it is harmful or not. The Environmental Protection Agency (EPA) through the regulatory process has set limits, called Maximum Contaminant Levels (MCLs), for certain harmful contaminants that may be found in drinking water. But, there are many potential contaminants that, although not common, may find their way into source waters. For this reason, drinking water regulations require monitoring for many possible contaminants. Not all contaminants are regulated. MCLs have not been developed for all contaminants that are monitored. The presence of a contaminant does not necessarily pose a health risk.

This report explains where our water comes from, what it contains, and any known health risks that may exist for the level of contaminants in our drinking water. The New Mexico Environment Department (NMED) monitors up to 121 potential contaminants at every well in the City’s Municipal Water Supply System at least once every three years. This report presents the results for all potential contaminants of drinking water during the 2016 calendar year or the most recent year sampled by EPA approved methods and certified analytical laboratories in accordance with the SDWA.

Source Water Assessment and Protection Program (SWAPP)
The Municipal Water Supply System is well maintained and operated, and sources of drinking water are generally protected from potential sources of contamination based on well construction, hydro-geologic settings, and system operations and management. The susceptibility rank of the entire water system is high. Please contact the City Water Section of Utilities to discuss the findings of the SWAPP report.

The Source of Your Drinking Water
The San Andres water system serves and approximately 730 and consists of 2 production wells, 2 pressure tanks with approximately 396 service connections. The system wells are at depths from 350 and 460 feet into the Mesilla bolson. While these deep groundwater supplies provide for protection from many surface contaminants and drought resilience, small amounts of naturally occurring minerals dissolve into the water and account for moderate levels of calcium, magnesium, and iron. This common “hard water” of the southwest can affect the aesthetic quality of the water by increasing hardness and by altering the color and taste slightly. The Source Water Assessment by NMED Drinking Water Bureau provides baseline data about the quality of our water before it is treated and distributed to consumers. This is important because it identifies the origins of potential contaminants, and indicates the susceptibility of our water system to contamination. Because we pump water from deep aquifers

The likelihood of this kind of contamination is low, but it can occur under some circumstances and must be evaluated.

Learn More About Your Drinking Water
Amendments to the SDWA in 1996 require all public water supply systems to provide an annual “Consumer Confidence Report” to their customers. We encourage public interest and participation in our community’s water quality and decisions affecting drinking water. The Water Section of Utilities holds public meetings as needed when specific issues concerning drinking water affect our community. Otherwise, the most effective way to make comments or suggestions is to telephone or write directly to the Administrator of the Water Section (575-3515). Concerns may also be brought before the City Council in their biweekly public meeting or the Las Cruces Utilities Board in their monthly public meeting. The Water Section does not, at this time, conduct regular public meetings, which are devoted to drinking water issues. Water quality data for the Municipal Water Supply System and more information about the Water Section are available at www.las-cruces.org. The Administrator and her staff will be happy to answer any questions, or discuss suggestions you may have, about our drinking water.

Contacts for Information:

This report can be made available in alternative formats upon request. To make a request call voice telephone 528-3515 or TTY 528-3541.

El informe contiene información importante sobre la calidad del agua en su comunidad. Tradúzcalo o hable con alguien que lo entienda bien.
Regulated Contaminants

The following table presents a summary of results from water testing completed by both the NMED Drinking Water Bureau and the City during the 2016 calendar year or the most recent year sampled per the regulated sampling cycle as required by the SDWA. The table contains the name of each contaminant, the highest level allowed by regulation (MCL), the ideal goals for public health (MCLG), the highest single amount found among all samples taken, the expected sources of such contamination, and the incidence of violations.

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>MCL</th>
<th>MCLG</th>
<th>Action Level</th>
<th>Action Level Goal (ALG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>15</td>
<td>15</td>
<td>5.2</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Chlorine</td>
<td>0</td>
<td>-</td>
<td>0.9 ppm</td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td>1.3</td>
<td>1.3</td>
<td>2.2</td>
<td>ppm</td>
</tr>
<tr>
<td>Cyst</td>
<td>8</td>
<td>8</td>
<td>0.52</td>
<td>0.35 ppm</td>
</tr>
</tbody>
</table>

Maximum contaminant level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum contaminant level goal (MCLG): The highest level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Water Quality Test Results

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Date</th>
<th>Range of Levels</th>
<th>Highest Level</th>
<th>Action Level</th>
<th>Action Level Goal (ALG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>2014</td>
<td>0</td>
<td>15</td>
<td>5.2</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Copper</td>
<td>2016</td>
<td>0.1</td>
<td>1.5</td>
<td>22</td>
<td>ppm</td>
</tr>
<tr>
<td>Zinc</td>
<td>2016</td>
<td>0.1</td>
<td>5</td>
<td>6</td>
<td>ppm</td>
</tr>
</tbody>
</table>

Additional Information

EPA prescribes limits on the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration regulations establish limits for contaminants in bottled water. Drinking water, including bottled water, may be reasonably expected to contain small amounts of certain contaminants.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing.

Sources of drinking water for both tap water and bottled water include rivers, lakes, streams, ponds, reservoirs, and underground aquifers.

Organic contaminants, such as viruses, bacteria, and protozoa (e.g., Cryptosporidium, E.coli, Giardia), may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, may be naturally occurring in water or result from urban storm runoff, industrial or domestic wastewater discharges, and mining.

Pesticides and herbicides may come from sources such as agriculture, storm-water runoff, and residential uses.

Chemical contaminants, including synthetic and volatile organic chemicals, are by-products of industrial processes and petroleum production, and may also come from gas stations, urban storm-water runoff, and septic systems.

Monitoring and reporting of compliance data violations: None

[1] The highest detected level is the highest single sample value among all samples tested.

[2] Synonymous with "inorganic chemicals."