

San Jacinto River Authority
Surface Water Treatment Plant Performance Data
Consumer Confidence Report Data for PWS ID No. 1700822

Source Water Assessment Information

The source of drinking water for the SJRA Surface Water Treatment Plant is Lake Conroe. The Lake Conroe watershed may include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.

A source water assessment for the Lake Conroe water source is currently being conducted by the TCEQ and should be provided to us this year. The report will describe the susceptibility and types of contaminants that may come into contact with your drinking water source based on human activities and natural conditions. The information in this assessment will allow us to focus our source water protection strategies. Further details about sources and source-water assessments are available in Drinking Water Watch at the following URL: <http://dww.tceq.texas.gov/DWW>. Our source water name is "INTAKE1- DAM SITE RD".

Turbidity

Texas Administrative Code (TAC) Title 30, Part 1, Chapter 290, Subchapter F, Rule §290.111 – Surface Water Treatment requires continuous monitoring of effluent turbidity level. Turbidity values are a direct measure of water quality for membrane treatment of surface water. The most likely source of contamination of turbidity is soil runoff.

Maximum allowable turbidity values for membrane plants:

- Must never exceed 0.3 Nephelometric Turbidity Units (NTU) in two consecutive 15-minute readings;
- Must be 0.15 NTU or less in at least 95% of samples tested each month

Monthly turbidity measurements follow. There were no violations noted for the reporting period.

2017 Delivery Month	Maximum Turbidity Reading (NTU)	Minimum Turbidity Reading (NTU)	Average Turbidity Value (NTU)	CFE 95 % Value (NTU)
January	0.08	0.03	0.05	0.06
February	0.07	0.03	0.04	0.05
March	0.07	0.03	0.04	0.05
April	0.07	0.03	0.04	0.05
May	0.09	0.02	0.03	0.04
June	0.06	0.03	0.03	0.05
July	0.06	0.03	0.04	0.05
August	0.07	0.03	0.04	0.05
September	0.10	0.03	0.04	0.05
October	0.06	0.03	0.04	0.05
November	0.05	0.03	0.04	0.04
December	0.05	0.03	0.04	0.04

Total Organic Carbon

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set.

***Cryptosporidium* Monitoring**

TCEQ is in the process of determining a bin classification for the surface water treatment facilities. The classification process is not yet complete, however the Consumer Confidence Report rules require reporting results of any *cryptosporidium* detections. There were no *cryptosporidium* detections during the reporting period.

Additional Information

For additional information or questions, please contact:

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