

04 Comprehensive Water Quality Testing to Ensure Safe Drinking Water

Water Quality Inspection

Attaching Highest Importance to Safety of Water

The Water Examination Laboratory ensures the safety of tap water by conducting rigorous examinations for water quality as outline by the Osaka Municipal Water Works Bureau—Water Quality Management Plan. This plan details how the Bureau conducts water quality examinations at every stage from the water source at Lake Biwa and the Yodo River to your faucet. The Bureau tests more than 200 different water quality items at every stage of the water treatment process. The Bureau welcomes suggestions and comments from customers concerning water quality issues and reviews its operations annually. Furthermore, in order to ensure the safety of tap water continuously, the Bureau collects the latest scientific information and strives to develop and research various inspections and effective methods to eliminate contaminants.

Water Supply GLP Accreditation

The Bureau became the first water examination laboratory in Japan to receive Water Supply Good Laboratory Practice accreditation. The Bureau makes every effort to provide customers with reliable results of water quality examinations through its precise system of quality inspections and examinations. (GLP accreditation received on December 26, 2005.)



JWWA-GLP001
Water Quality GLP Certified
Testing Laboratory

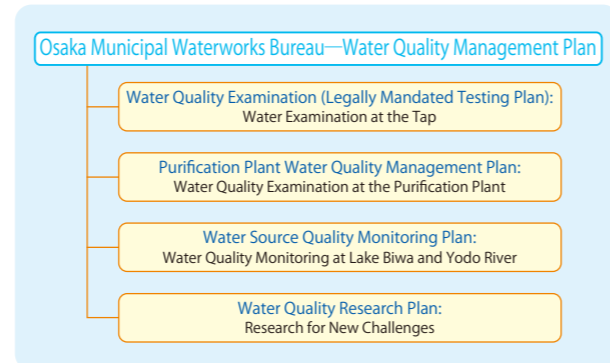
Water Quality Examinations

The Bureau ensures water quality by testing more than 200 different items, such as agricultural chemicals, endocrine disruptors, cyanogen, bromate, and heavy metals, using cutting-edge analytical equipment and advanced technology.

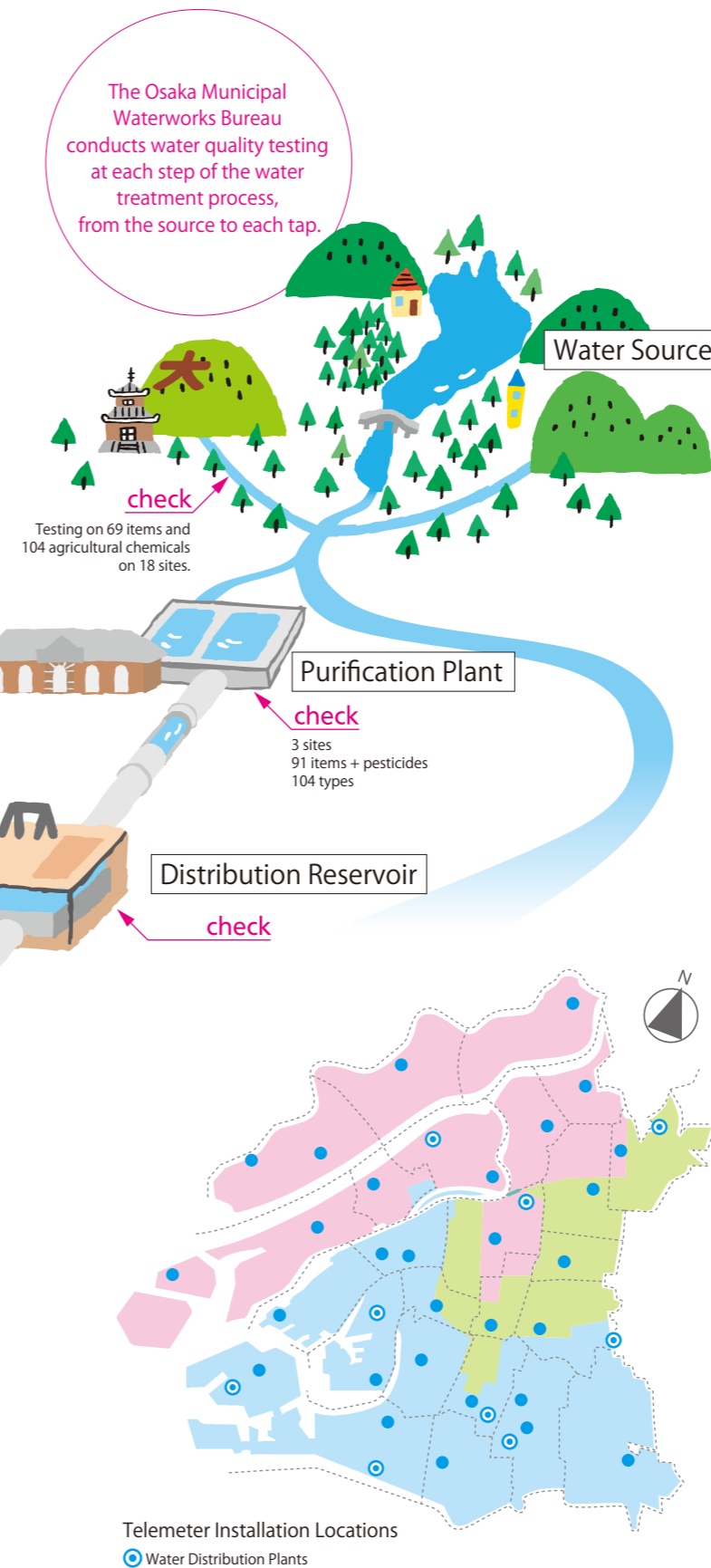
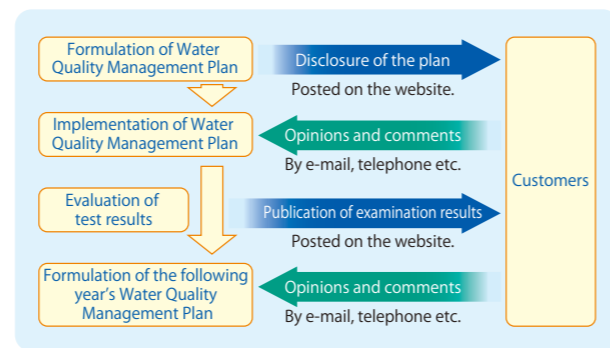


Osaka Municipal Waterworks Bureau—Water Quality Management Plan

Structure of Water Quality Management Plan



Public Disclosure of Water Quality Management Plan



Source Water Quality Control

The water quality of the Yodo River as Osaka's water source has been greatly improved as a result of the implementation of stricter regulations on discharge from factories and the development of sewers since the 1990s. Lake Biwa's level of nitrogen, the main nutrient for plankton, however, remains almost the same. Each individual should make a personal effort in concert with water quality conservation measures in order to protect the quality of the water source. The Water Quality Testing Laboratory works in conjunction with other waterworks that rely on Lake Biwa and the Yodo River to monitor, examine, and research the quality of water.

Water Quality Control at Purification Plants

At the purification plants, the Bureau examines treated water to be sent to the city in order to make sure that the treatment process achieves its required results. Furthermore, the Bureau tests to confirm that water meets all established criteria for drinking water and promptly makes remedial measures if source water is affected by heavy rains or contaminated in other ways.

Water Quality Control of Tap Water within City

Water quality is tested monthly at water taps on 21 sites in the city to ensure the safety and reliability of drinking water. Furthermore, 38 telemeters installed throughout the city constantly monitor the color, turbidity, and residual chlorine concentration of water 24 hours a day.