

## WATER TREATMENT PLANT OPERATOR

### KIND OF WORK

Operative work in a water treatment plant at a large state facility.

### NATURE AND PURPOSE

Under general supervision, operates, monitors, and performs minor repairs on all water treatment plant fixtures and equipment; sets, tests and corrects chemical composition of the water; and periodically checks and maintains detailed records of water volume level; performs related duties as required.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Operates and services all water plant fixtures and equipment (including, but not limited to, water towers, wells, hydrants, pipes, mains, sewers, and filtering mechanisms) to purify and/or treat the facility's potable water and waste water supplies, and to ensure that the system remains operational at all times by installing non-electrical equipment; by performing regular cleaning and preventative maintenance on all equipment (e.g., lubricate, change motor belts, back-wash filters, flush out water mains, etc.); and by troubleshooting problems and performing minor repairs.

Samples and tests physical characteristics of water from various sites throughout the facility in order to maintain the volume levels and chemical composition mandated by statute and regulatory agency by taking samples and tests of Chlorine levels, and adding Chlorine as necessary to obtain levels prescribed by state permits; installing, inspecting and storing Chlorine cylinders in accordance with safety guidelines defined by OSHA; monitoring static water levels at wells and adjusting pumping control levels as necessary; draining and refilling water towers, as required; and preparing and taking samples of waste water for PCA testing laboratory.

Documents and maintains records of all plant and equipment operations in order to obtain data for reports to regulatory agencies by changing well charts weekly and preparing monthly summary reports of well and water supply system for the Department of Health; changing gallon recorder chart and record, and reading and recording river elevation on a regular basis; and preparing various reports for the MPCA on waste water treatment.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Water treatment fixtures and equipment sufficient to install, troubleshoot problems, and perform regular maintenance and repair.

Relevant statutory and regulatory requirements sufficient to monitor and maintain high water quality standards, prepare required reports, and safely store hazardous chemicals.

Skill in:

Operating water treatment plants sufficient to obtain a Class D Operators Certificate.

Ability to:

Perform routine chemical tests required in the water treatment process.

Keep accurate, complete records of system operations and prepare summary reports.

Perform simple arithmetic calculations (e.g., addition, subtraction) when recording and summarizing data.

Follow written and oral instructions.

Est.: 8/24/79  
Rev.: 3/3/87

T.C.:  
Former Title(s):