

Class Code: 299
City of Anaheim
Class Specification

Classification
Water Treatment Operator

Definition:

Under minimal supervision, to perform skilled work in the operation, regulation, maintenance, and repair of water treatment at various facilities, reservoirs, and wells used in the treatment, disinfection, and purification of water.

Typical Duties:

Checks performance of unattended automatic devices involved in disinfection and clarification of water.

Conducts inspection and makes adjustment; reviews records of continuous monitoring/recording chemical analysis, treatment plant equipment and laboratory instrument.

Performs microbiological analysis of the city water source and distribution systems, wells, reservoirs and treatment facilities.

Adjusts and calibrates chlorinators, chemical feed pumps, and monitoring equipment.

Prepares solutions, reagents and chemicals for use in treatment and monitoring.

Responds to treatment and/or monitoring equipment malfunctions, adjusting and/or diagnosing problems.

Advises and assists maintenance/repair personnel in restoring treatment and monitoring functions.

Collects data; tabulates records of treatment effectiveness.

Surveys all water treatment facilities, wells and reservoirs for water quality related characteristics and depth sampling and applies chemicals, as required.

Samples and perform chemical, physical and biological analyses on treatment process.

Samples water, before and after treatment, to show water quality with regard to sanitary and general physical criteria, PH, etc.

Maintains records and logs of water quality data.

Prepares and performs reference tests for recertification by Department of Health Services, Microbiological certificate for City laboratory.

Performs other job-related duties as required.

Minimum Requirements:

Experience: Equivalent to journey level water treatment experience supplemented by specialized training in water quality operations.

Knowledge of: Techniques, practices, and methods in operation of chlorination and clarification equipment; potable water treatment plant and related equipment; water chemistry related to treatment operation for a potable domestic water system; principles, operating and maintenance requirements of pumps and motors, both electric and internal combustion; equipment automation, pneumatics, mechanics and electricity as

applied to water treatment operations; operating characteristics of a potable water system; city water system operating policies and procedures; safe work practices.

Ability to: Conduct treatment processes such as flocculation, sedimentation, disinfection and filtration; operates water pumps, chlorinators, compressors, filters, and other related equipment; calibrating and reading chemical feed pumps, disinfection and laboratory equipment; perform water quality analyses chemical, physical, biological and basic laboratory work; maintain data, records, and charts; work with considerable independence and initiative; communicate effectively, orally and in writing; perform work in emergency situations as necessary; prepare chemical solutions for treating potable water; adjust and manipulate automated water treatment devices to obtain optimum effectiveness.

Physical Requirements: Must be able to walk, stand, and climb when conducting fieldwork.

License and/or Certification Required: Possession of or ability to obtain a valid California Driver's License by date of appointment. Possession of a Grade III Water Treatment Plant Operator Certificate issued by the State of California.

Supervision Received: Works under technical supervision of the Water Quality Supervisor who gives directions and periodically reviews work in progress and completed work.

NOTE: The above statements are intended to describe the general nature and level of work being performed by persons assigned to this job. They are not intended to be an exhaustive list of all duties, responsibilities and skills required of personnel so classified. All requirements are subject to possible modification to reasonably accommodate individuals with disabilities.

10/1/85 - Revised R. Andersen & Assoc.

9/90 - Revised - E. Cruz

5/91 - Revised - C. Harris

Class Concept - Journey level

Unit of Representation - IBEW

Doc: CS1107