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|  <p>STATE OF INDIANA CLASSIFICATION SPECIFICATION</p> | Class Title: Water Treatment Plant Operator 2 | | Class Code: 004JC2 |
| | FLSA Status: Non-Exempt | Salary Schedule: LTC 2 | Effective Date: 5-16-14 |
| | Summary Incumbent is responsible for the operation and maintenance of a water treatment plant as defined by the Indiana State Department of Health. | | |

Duties:

- Operates the water treatment plant including the operation of pumps, pipes and valves;
- Conducts daily, monthly, quarterly and annual testing on raw and treated water in accordance with appropriate Indiana Department of Environmental Management (IDEM) regulations;
- Determines and applies the appropriate chemicals used to treat water;
- Makes process control or system integrity decisions about water quality or quantity that affect the health of the population served;
- Maintains the records of testing results, valves and hydrant locations, distribution system maps, maintenance logs and completes various reports as required by IDEM;
- Performs checks, preventive maintenance and repairs of pumps, pipes, valves and equipment;
- Develops an emergency or contingency plan for natural and human-induced disasters;
- Issues public notices when contaminate levels or water samples exceed maximum levels;
- Flushes and performs maintenance facility water hydrants semi-annually;
- Must comply with the continuing education renewal requirements for the waste treatment certification;
- Assists in building maintenance throughout the training site to include minor and emergency repairs of plumbing, electrical, etc;
- Complies with all appropriate protective and safety requirements in the performance of duties including, but not limited to: use of Personal Protective Equipment (PPE); handling, storage and mixing of hazardous materials according to the Material Safety Data Sheet (MSDS); confined spaces; and complying with safety requirements in the use of tools, equipment, etc.;
- Performs grounds maintenance work including, but not limited to mowing, trimming, fertilizing, leaf removal, trash pick-up, snow and ice removal and minor repair of parking areas, roads and walks;
- Performs related duties as required.

Job Requirements:

- Must have a GED or High School Diploma with the educational skills necessary to make simple computations with fractions and decimals; read a linear scale; calculate volumes of simple shapes; and make simple computations of multiplication and division;
- Must have or able to obtain an IDEM Grade WT 4 Water Treatment Plant Operator Certification and Grade DSM Water Distribution System Operator Certification;
- Ability to interpret service manuals and work orders and submit written reports;
- Considerable understanding of the basic principles of science and sanitation;
- Ability to make decisions regarding the daily operational activities;
- Ability to interpret chemical and bacteriological sample reports;
- Ability to perform and interpret a variety of laboratory tests and to adjust equipment as needed;
- Effectively communicate, both orally and in writing;
- Must possess a valid Indiana Driver's License.

Difficulty of Work:

Incumbent independently operates the water treatment plant of a state facility making independent judgments and decisions concerning complex issues within the framework of established practices, processes and procedures.

Responsibility:

Incumbent is assigned as the plant certified operator and responsible for the proper operation of the water treatment plant and makes decisions regarding the daily operational activities of the water treatment plant that directly impacts the quality and quantity of the drinking water. Errors in judgment could result in the distribution of contaminated water exposing the population served to water-borne diseases. Incumbent receives instructions from the supervisor only in case of an emergency situation.

Personal Work Relationships:

Incumbent has working contacts with federal, military and state staff, offenders, customer representatives, outside contractors and vendors.

Physical Effort:

The incumbent must climb on and move easily around heavy equipment. Opens and closes heavy valves and lifts heavy equipment and tools. Work is strained at times when cleaning equipment and continuously walking up and down stairs and around the plant while checking the equipment.

Working Conditions:

Work is performed inside and outside in all kinds of weather. Incumbent is exposed to infections or diseases such as typhoid, paratyphoid and dysentery while cleaning equipment or handling sludge. The presence of gases and fumes such as methane, chlorine and carbon monoxide requires the use of safety equipment such as gas masks or respirators. General maintenance duties may cause contact with oil and grease, as well as fumes or smoke. Safety goggles, safety shoes, ear protection, rubber gloves, welding helmet and gloves, face mask and cold weather clothes are required to perform some duties due to possible injury from hazardous conditions. Incumbent is also exposed to the danger of falling into open tanks, manholes and scum chamber.