

CLASS TITLE: WWTF PROCESS MONITOR I

Class Code: 02310600
Pay Grade: 21A
EO Code: B

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To supervise one or more processing operations in a primary, secondary or advanced wastewater treatment plant; to be responsible for monitoring the treatment plant process by controlling the operation through the use of computers and other complex and technical equipment; to observe variations in the treatment plant operating conditions by interpreting gauge and meter readings, making complex calculations for process and reporting purposes, making appropriate adjustments and conducting tests to determine the proper process requirements; and to do related work as required.

SUPERVISION RECEIVED: Works under the general supervision of a supervisor with considerable latitude in the execution and completion of assignments; work is subject to review for conformance to rules, regulations and instructions.

SUPERVISION EXERCISED: Assigns, supervises and reviews, in process and upon completion, the work of subordinate personnel engaged in the performance of various manual and maintenance functions within a wastewater treatment facility.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To supervise one or more processing operations in a primary, secondary or advanced wastewater treatment plant; to be responsible for monitoring the treatment plant process by controlling the operation through the use of computers and other complex and technical equipment; to observe variations in the treatment plant operating conditions by interpreting gauge and meter readings, making appropriate adjustments and conducting tests to determine the proper process requirements.

To supervise and participate in any combination of tasks required in the control of flow and processing of wastewater, sludge and effluent, including such activities as metering, screening, degritting, aeration, sedimentation, chemical treatment and sludge processing of water and waste materials from domestic, commercial and industrial sources.

To perform routine maintenance duties, including the repair, adjustment and lubrication of electrical, mechanical, hydraulic and chemical equipment or any combination of tasks pertinent to maintain control of flow and processing of wastewater, sludge, and effluent.

To maintain shift logs, record data, and be responsible for the maintenance of assigned station(s).

To operate gates and valves manually or by remote control.

To operate engines, generators, and pumps used to adjust the flow and/or treatment process.

To extract samples and perform routine laboratory analyses and tests.

To be able to operate all stations within treatment plant facilities.

To work a rotating or split shift on occasion to ensure continuity of the treatment process.

As required, to operate low pressure boilers pertinent to the treatment operation.

To perform tasks involving chemicals used in treatment applications.

To drive a plant vehicle on or off site as required.

To perform work of Operator I or II, as required.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A working knowledge of the operational methods and processes used in a modern wastewater treatment facility; a working knowledge of routine maintenance, repair, lubrication, and adjustments to electrical, mechanical, hydraulic and chemical equipment used in a wastewater treatment plant; the ability to operate computerized process control panels and other technical equipment; the ability to keep accurate records pertaining to facility functions; the ability to properly and safely perform tasks with chemicals used in wastewater treatment facilities; the ability to supervise and review the work of subordinates engaged in wastewater processing operations of a wastewater treatment facility; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: possession of an Associate's Degree in Sanitary, Civil, Chemical, Mechanical Engineering, or Environmental Science, or a related field; and

Experience: Such as may have been gained through: employment as a WWTF Operator II with some responsibility for occasionally overseeing the work of wastewater treatment facility personnel assigned to assist.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

SPECIAL REQUIREMENT: At the time of appointment, must be physically qualified to perform assigned duties as evidenced by a physician's certificate; upon appointment, must possess a valid Rhode Island driver's license; at the time of appointment, must possess a Full Grade II Operator's certification license for wastewater treatment plant (Ch. 42-17.4-6 of the General Laws of 1956, as amended).

Class Revised: July 3, 1988

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