



WASTEWATER TREATMENT PLANT OPERATOR 2

Department: Planning and Public Works
Job Class #: 955500
Pay Range: Maintenance/Trades 25

FLSA: Non-Exempt
Represented: No

Classification descriptions are intended to present a descriptive list of the range of duties performed by employees in this class and are not intended to reflect all duties performed within the job.

GENERAL FUNCTION: This is technical, skilled work in the operation and maintenance of the Pierce County Wastewater Treatment Plant. An employee in this class is responsible for the routine and safe operation of various treatment plant equipment and processes used in stabilizing solids, conducting quality or process control tests on effluent and sludge to meet all state and federal regulations.

SERIES CONCEPT: The Operator 2 is the second level in the series. Work in this class is distinguished from the Wastewater Treatment Plant Operator 1 level by performing assignments with greater use of independent judgment and decision-making responsibilities.

ESSENTIAL FUNCTIONS:

- Communicate with Chief Operator and outgoing shift operator for information regarding process control, equipment status and set parameters as required for next shift period.
- Diagnose digester anaerobic process to ensure all elements of heat, gases, acids and alkalinity are in line with set parameters.
- Check bar screens and diagnoses for malfunctions; clean and repair as necessary for proper operation.
- Observe grit tanks; inspect grit conveyor, bucket elevator and grit classifier for abnormal operation. Make adjustments where necessary.
- Monitor raw sludge pumps and movement to digesters; collect samples and test for solid density. Flush system when necessary and check equipment for excessive wear.
- Ensure secondary treatment process flow meters, totalizers, pumps, motors and valves are all fully operational. Perform spin tests and calculations to evaluate solids and make adjustments where required.
- Maintain log of treatment operations and record meter and gauge readings.
- Input data into the computer such as laboratory results, processes and flow data.
- Remove and replace chlorine cylinders and polymer totes using prescribed safety procedures. Adjust chlorine gas flow to effluent for disinfection purposes.
- Wash aeration tanks, clarifiers and contact chambers.
- Monitor and make adjustments to gravity belt thickeners and belt presses. Check sludge flow and polymer mixing system. Set polymer feed rate and monitors usage. Sample filtrate and thickened sludge and remove samples for laboratory analysis.
- Collect sewage samples and conduct laboratory tests using appropriate lab equipment.
- Perform preventative and corrective maintenance as assigned.
- Effectively persuade, inform, educate, train, solicit information, motivate and direct a wide variety of individuals or groups.
- Maintain regular, predictable and punctual attendance during regularly scheduled work hours at assigned worksite.
- Meet travel requirements of the position.
- Perform the physical requirements of the position; work within the established working conditions of the position.
- Work a flexible schedule, which may include evenings, weekends, holidays and overtime.

WASTEWATER TREATMENT PLANT OPERATOR 2

Classification Description – Pierce County

Page 2

OTHER JOB FUNCTIONS

- Performs other related duties as assigned.

SUPERVISION RECEIVED AND EXERCISED: An employee in this class works under the general supervision of the Plant Superintendent, Chief Plant Operator and lead shift operator who observes work through on-site walk-throughs and conferences to evaluate results obtained. The work is performed with relative independence, judgment and self initiative required to meet needs of process anomalies. May direct the work of or assist in the training and instruction of employees of lower classifications as assigned and/or authorized.

WORK ENVIRONMENT: Incumbents may perform assigned work in a variety of inside and outside climates and conditions, with exposure to weather. Work may include potentially hazardous conditions, such as slippery floors, working from heights or depths of up to 30 feet, in confined spaces, or on difficult terrain, and may include exposure to chemicals, gases and fumes.

PHYSICAL REQUIREMENTS: The physical demands described herein are representative of those that must be met by an employee to successfully perform the essential functions. Physical activities required are hand and finger dexterity necessary to operate equipment used in the position, talking, seeing and hearing. Walking, sitting, climbing and descending ladders, bending/stooping, working in and entering tight, confined space with entrance diameter of twenty-four (24") inches, pushing/pulling and unassisted lifting associated with the job duties is required.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of:

- Safety regulations and emergency aid response when dealing with deadly gases, fumes and equipment.
- Operating control processes, procedures and equipment associated with a complex secondary anaerobic wastewater treatment plant.

Ability to:

- Understand and follow written and verbal instructions.
- Work effectively and productively with others.
- Communicate effectively verbally and in writing to audiences of various social, cultural, ethnic, educational and economic backgrounds.
- Effectively coordinate, perform and complete multiple duties and assignments concurrently and in a timely manner.
- Maintain regular, predictable and punctual attendance during regularly scheduled work hours at assigned worksite.
- Perform the physical requirements of the position; work within the established working conditions of the position.
- Work a flexible schedule, which may include evenings, weekends, holidays and overtime.
- Meet the travel requirements of the position, if any.
- Physically perform the essential job functions of the classification.

WASTEWATER TREATMENT PLANT OPERATOR 2

Classification Description – Pierce County

Page 3

MINIMUM REQUIREMENTS TO APPLY: High school graduate and three (3) years experience in a wastewater treatment plant with operating experience. Additional education from a vocational/ technical school or community college with coursework in wastewater treatment, general mathematics, chemistry or biology is desirable.

SPECIAL REQUIREMENTS AND/OR QUALIFICATIONS: Must possess a Washington State Wastewater Operator II certificate requiring yearly renewal. A physical examination may be required from a county approved examiner prior to appointment. A valid Washington State driver's license may be required when travel is required of the position.