

City of Merced

Bargaining Unit: 02
FLSA: Covered
Position Number: 07250

WASTEWATER TREATMENT PLANT OPERATOR II

DEFINITION

Under general direction, to perform a variety of operations, monitoring, maintenance, and repair work on the City's wastewater treatment facility, including pumps, lift stations, and associated equipment; and to do related work as required.

DISTINGUISHING CHARACTERISTICS

This is the advanced working level in the Wastewater Treatment Plant Operator class series. Incumbents perform a variety of monitoring, maintenance, operations, and repair work on the City's wastewater treatment system and facilities. It is distinguished from Wastewater Treatment Plant Operator I by performing more complex work requiring a higher level of certification. There is considerable similarity in assignments between Wastewater Treatment Plant Operator I and II, with the skill and knowledge differences based on the certification level required of incumbents.

REPORTS TO

Wastewater Treatment Plant Operations Supervisor and/or Wastewater Treatment Plant Superintendent

CLASSIFICATIONS SUPERVISED

This is not a supervisory classification.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES *(The following is used as a partial description and is not restrictive as to duties required.)*

Monitors wastewater treatment system operations, reading charts and gauges, noting operational problems and recommending adjustments to maintain system balance.

Inspects pumps, sump pumps, ventilators, and air supplies.

Gathers samples at appropriate sampling points, using proper procedures and recording information for records.

Cleans and monitors the operations of automatic samplers.

Performs basic laboratory tests, as needed.

Checks and maintains proper oil levels in equipment.

Reads and adjusts pressures and flows for seal water.

WASTEWATER TREATMENT PLANT OPERATOR II - 2

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES CONTINUED

Raises and lowers influent gates.

Cleans strainers.

Changes charts.

Bleeds off compressed air reservoirs.

Checks and maintains the proper status of chlorination and de-chlorination equipment.

Fills oil reservoirs to proper levels.

Primes pumps.

Checks flow patterns of water and sludge.

Ensures proper operation of stand-by generators.

Measures sludge depths and trouble shoots the sludge pumping system.

Tests proper operation of residual analyzers and chlorination/de-chlorination systems.

Checks gas traps and drains accumulated liquids.

Checks sludge temperature before and after circulation through heat exchangers.

Takes primary and secondary digesters out of service, performs cleaning, and places back in service.

Inspects and cleans lift stations facilities and grounds.

Uses a variety of testing equipment and procedures.

Operates a variety of equipment and hand and power tools.

Maintains a variety of records and reports related to wastewater system operations.

Performs preventive maintenance.

Operates computers for process control, monitors SCADA systems, and maintains operational log book.

Performs calculations for daily process control and process optimization.

TYPICAL PHYSICAL REQUIREMENTS

Occasionally sits; frequently stand, walk, stoop, kneel, and crouch; normal manual dexterity and eye-hand coordination; ability to lift and move objects weighing up to 50 pounds; perform duties assigned while wearing respiratory protection equipment; corrected hearing and vision to normal range; verbal communication; use a variety of hand and power equipment, and testing equipment used in the wastewater treatment system monitoring, maintenance, adjustments, and operations; use a computer and telephone.

TYPICAL WORKING CONDITIONS

Work is performed in a plant facility and outdoors in varying temperatures and weather conditions; some assignments may be performed in a shop or office; exposure to hazardous materials, smoke, gasses, and fumes; exposure to hazards such as moving machine parts and electrical current; continuous contact with other staff.

WASTEWATER TREATMENT PLANT OPERATOR II - 3

DESIRABLE QUALIFICATIONS

Knowledge of:

- Principles, methods, and practices pertaining to the operation, maintenance, and wastewater treatment facilities and systems.
- Record keeping and reporting procedures.
- Practices, tools, equipment, and materials used in wastewater treatment system operation, maintenance, and repair work.
- Laws, rules, regulations, and environmental requirements applicable to operation and maintenance of wastewater treatment facilities and systems.
- Principles and methods of preventive maintenance programs.
- Safe work practices and procedures.

Ability to:

- Perform a wide scope of assignments, including the more complex work, in the operation, maintenance, adjustment, and repair of the City wastewater treatment system.
- Inspect wastewater treatment facilities and systems for proper and safe operating conditions.
- Collect samples and conduct basic laboratory tests.
- Skillfully use a variety of hand and power tools in the maintenance, testing, monitoring, adjustment, and repair of wastewater treatment facilities and systems.
- Maintain detailed and accurate operational logs.
- Operate specialized computer programs
- Operate testing equipment.
- Prepare and maintain accurate records and reports.
- Deal tactfully and courteously with the public.
- Establish and maintain internal and external cooperative working relationships.

Other Requirements:

- Willingness to work nights, weekends, holidays, restricted stand-by, and overtime as needed for emergencies. Must be clean shaven at all times as required to wear respiratory protection equipment.

Training and Experience:

- Any combination of training and experience likely to provide the required knowledge and abilities is qualifying. A typical way to obtain the required knowledge and abilities would be:

WASTEWATER TREATMENT PLANT OPERATOR II - 4

DESIRABLE QUALIFICATIONS (CONTINUED)

Training and Experience Continued:

Minimum of two (2) years of experience in operation, monitoring, testing, maintenance, and repair of wastewater treatment facilities and systems at a level equivalent to Wastewater Treatment Plant Operator I with the City of Merced.

Special Requirements:

Possession of an appropriate California Driver's License.

California Grade II Wastewater Treatment Plant Operator certification, or higher.

Desirable Certification:

CWEA Certifications: Electrical/Instrumentation Technologist, Laboratory Technologist, and/or Mechanical Technologist.

Reference: City of Merced Personnel Rules and Regulations, Sections 5.05 and 5.07.

The contents of this class specification shall not be construed to constitute any expressed or implied warranty or guarantee, nor shall it constitute a contract of employment. The City of Merced assumes no responsibility beyond the general accuracy of the document, nor does it assume responsibility for any errors or omissions in the information contained herein. Terms and conditions of employment are determined through a meet and confer process and are subject to the Memorandum of Understanding currently in effect.

APPROVED _____


Chairperson, Personnel Board

DATE: March 14, 2005