

MAJOR FUNCTION

This is highly skilled, mechanical and technical work wherein incumbents use diverse knowledge, skills and abilities acquired at the lower-level Wastewater Treatment Mechanic job classifications to expertly perform any or all of the duties necessary to maintain and repair wastewater treatment facilities, equipment and systems, including the operation of specialized or highly complex equipment requiring high operator proficiency. Incumbents direct and oversee the work of others engaged in similar tasks. Class incumbents report to a higher-level supervisor but, are expected to exercise considerable independent judgment in carrying out job responsibilities and determining work methods.

ESSENTIAL AND OTHER IMPORTANT JOB DUTIES**Essential Duties**

Performs work at the advanced journey level in the maintenance and repair of wastewater treatment facilities and systems. This advanced journey level position requires the incumbent to demonstrate and maintain proficiencies in both the areas of Pump Station maintenance and the Water Treatment Facility maintenance. Incumbents, under supervision, review operation and maintenance manuals to correctly order replacement parts. Operates a computer for work order review and final completion and reads/interprets geographical information systems (GIS) data. Will be required to respond under emergency conditions and can serve as Incident Commander. Performs equipment installation, rebuilds pumps, valves, gearboxes and other wastewater associated equipment. Expertly operates various wastewater equipment such as laser alignment tool, pipe saws, pipe threading machine, overhead cranes, boom trucks, cutting torches and other equipment. Prepares work plans with hazard identification prior to entering wastewater structures, including but not limited to manholes, tanks, equipment, pump stations and vaults, to perform assigned tasks. May act as crew leader on specified jobs and maintain records as required. Performs advanced level of maintenance, repair, installation and/or troubleshooting on mechanical apparatus such as pumps, motors, valves, controllers and compressors and/or wastewater components, as applicable. Coordinates and schedules activities associated with major equipment installations and renovations, giving instruction to contractors, electricians, welders and other departments on required project work. Demonstrates mastery of knowledge, skills and abilities acquired through classroom and on-the-job training, as required. May be required to provide after normal working hours on-call and/or standby duty. Performs other related work as required.

Other Important Duties

Enters wastewater structures determined to be safe, including but not limited to tanks, vaults, pump stations, and pipes to perform tasks such as removal of debris and make repairs. Uses hand tools, power tools, pressure gauges, and/or electronic equipment devices to perform a variety of tasks in wastewater systems. Transports, operates and maintains by-pass pumps and emergency generators. Loads and unloads equipment safely and efficiently. Performs routine and corrective maintenance work on mechanical apparatus such as pumps, motors, valves, controllers and compressors and/or wastewater components. Removes foreign objects as necessary. Dismantles and cleans gate and checks valves. Performs pipefitting repairs and installations. Uses geographical information systems (GIS) data for location of pump station assets. Inspects and troubleshoots mechanical issues for wastewater equipment. Conducts a regular preventative maintenance program by servicing lift stations and treatment equipment. Performs light electrical duty in the set up and demobilization of generators during times of emergency. Performs the heavy and unskilled manual labor on wastewater equipment, as needed. Uses hand tools, pneumatic tools, and other manual wastewater equipment. Monitors equipment to identify maintenance needs. Cleans, maintains, and stores tools on trucks and trailers. Attends Asset Management Program, Environmental Management System, Safety and OSHA Standards training. Serves as mentor for lower-level technicians and leads training sessions for lower-level skilled employees. Attends training and continuing education sessions. Performs other related duties as required.

DESIRABLE QUALIFICATIONS**Knowledge, Abilities and Skills**

Knowledge of occupational hazards and accident prevention methods in assigned area of responsibility. Knowledge of wastewater treatment or collection equipment and systems. Ability to communicate effectively, both orally and in writing. Ability to work effectively with co-workers and the general public. Ability to operate a computer and related programs and applications necessary for successful job performance. Ability to safely perform heavy lifting, pushing, pulling, climbing, standing, and squatting for long periods of time. Ability to expertly use all manual and electric tools and heavy equipment required to complete work assignments. Ability to work in an environment that may include extreme heat and confined areas, hazardous conditions, noxious chemicals, and exposure to prolonged high noise levels requiring the use of personal protective equipment in compliance with OSHA regulations. Ability to perform tasks outdoors under varying climatic conditions. Skills in the use of specialty tools and equipment used in maintenance, repair or construction work.

Minimum Training and Experience

Possession of a high school diploma or an equivalent recognized certificate and three years of experience in utility construction or maintenance and repair that includes operation of related utility equipment, or four year of experience that includes wastewater treatment or collection involving mechanical repair and installation, or two years of experience as a Wastewater Treatment Mechanic III.

Necessary Special Requirements

In accordance with the designation for positions assigned to this class, at the time of appointment, candidates:

A Wastewater Treatment Mechanic IV must possess a valid Class E State driver's license at the time of appointment and obtain a commercial learner's permit (CLP) within three (3) months from the date of appointment, as a condition of employment. Obtain a Class "A" State Commercial Driver's License (CDL) with required endorsement(s) within nine (9) months from the date of appointment, as a condition of continued employment. It is a requirement the employee register with the Federal Motor Carrier Safety Administration Drug and Alcohol Clearinghouse.

Must possess a current Florida Water and Pollution Control Operator's Association (FWPCOA) Class "B" Collections Certification and maintain same, as a condition of continued employment, and the certifications required for Wastewater Treatment Mechanic III.

Established: 07-19-19
08-25-22
06-17-25