

Mechanic

OMI Grade 4

Non-exempt

Reports to: Maintenance Supervisor
Project Manager

Supervises: None

General Statement

Performs preventive and corrective maintenance at wastewater treatment plants and related facilities equipment on an assigned shift

Essential Duties and Responsibilities

- Performs preventive and corrective maintenance on buildings, structures, grounds, machinery and equipment
- Lubricates equipment and checks for malfunctions; replaces packing in pumps or valves; replaces bearings in motors, pumps, and other equipment; tunes engines, sets valve clearance, cleans, and adjusts regulators
- Align moving equipment
- Analyzes equipment failures to determine cause and to prevent recurrences
- Installs and sets up new equipment
- Cleans out pipes and performs other plumbing and pipe fitting tasks as required
- Uses gas and/or arc welding equipment to heat, cut, braze, or weld
- Ability to read and interpret construction plans, prints, and specifications and electrical schematics
- Performs electrical work in accordance with established practices
- Assists in keeping maintenance records using a CMMS system, develop computer spreadsheets, and use Word and Excel
- Communicates effectively at all levels regarding recommended maintenance and repair procedures
- Conduct job related training sessions
- Follows written and oral instructions
- Performs other duties as required
- Performs Job Hazard Analysis

Basic Qualifications

- High school diploma or GED
- Five years experience in the maintenance and repair of engines, pumps, and other mechanical and electrical equipment
- Possess a valid New Jersey driver's license
- Ability to enter data into a Computer Maintenance Management System

Preferred Qualifications

- Trade school education with an emphasis on electrical and mechanical equipment and metal fabrication
- Knowledge of the methods, materials, equipment, and tools used in the construction, repair, and operation of engines, pumps, and other mechanical equipment related to water/wastewater treatment plant operations and procedures
- Knowledge of the operations of internal combustion engines and electrical pump motors; safe work practices
- Have experience with HVAC systems and boilers
- Knowledge of SCADA, PLC and VFD systems
- Has training in OSHA required programs

Working Conditions & Physical Requirements

The work area can involve a working environment indoors as well as outdoors, which could cause exposure to outdoor elements; proper environmental attire will be required. Some areas can have loud noise, active machinery, high pressure fluid systems, electrical equipment, confined spaces, heights and depths, fumes, air borne particles, noxious gases, pathogens and various chemicals. The use of appropriate safety equipment will be mandatory in these areas to prevent hazardous contact.

Must be able to sit, stand, stoop, twist and bend at the waist, turn, kneel, squat, raise arms above shoulder height, grasp, reach, perform repetitive hand movements and fine coordination to work on equipment, have vision sufficient to work on equipment; have hearing in the normal range with or without correction. In an 8-hour shift must be able to transport self across the facility, ascend and descend stair steps, lift objects up to 50 pounds from floor level to waist height, climb and work off of a ladder or scaffold and climb into and out of vehicles having high ground clearance; use arms and back to tighten and loosen nuts and bolts; carry a 50 pound tool box up a flight of stairs; work in confined spaces and wear and use appropriate safety equipment.

I have read and understand my job description.

Employee Signature

Date