**Class Summary**

The responsibilities of this classification include overseeing work and providing lead direction to employees performing mechanical work on heavy industrial equipment and related systems at a wastewater treatment plant and associated facilities. Incumbents will perform mechanical duties such as repairing and maintaining mechanical equipment and systems.

**Distinguishing Characteristics**

This is a single-level classification. In this classification, incumbents perform lead duties and mechanical maintenance work on heavy industrial equipment and related systems associated with a wastewater treatment plant and facilities. This classification is distinguished from other skilled trades classifications for its lead responsibilities and the specific trade work in an industrial environment.

**Examples of Duties**

1. Provide lead direction and technical assistance to maintenance mechanical staff. Determine work assignments, work priorities, work schedules, and training. Participate in hiring and provide feedback on performance evaluations.
2. Inspect work in progress to ensure that maintenance work meets trade standards, schedules are met, and safe working practices are adhered to; monitor work quality and quantity; and provide suggestions to supervisor and other staff on improving methods.
3. Troubleshoot and diagnose equipment or mechanical systems problems.
4. Plan and coordinate repair work and ensure availability of parts, tools, special equipment, staffing, and external repair resources. Coordinate with operations and other maintenance staff on work to be performed.
5. Participate in the work unit’s business team meetings and participate in the development of the team’s business plan.
6. Review and evaluate work orders to determine work scheduling and priorities; organize, prepare, maintain, and verify the accuracy of equipment history records and ensure that work is performed efficiently and cost-effectively.
7. Review and evaluate preventive maintenance procedures and schedules for machinery and equipment. Conduct a life cycle analysis of machinery and equipment to determine if machinery or equipment should be repaired or replaced. Apply other reliability-centered maintenance practices as assigned.
8. Identify technical resources (external vendors, books, etc) so that repairs can be made quickly and accurately for industrial machinery and systems.
9. Provide input into the machinery or equipment design to optimize equipment performance; Design and refine machinery or plant systems to enhance processes and performance.
10. Identify the need for new equipment, participate in specification development, and evaluate the available manufacturers and options; identify the need for new tools, equipment, machinery, and system replacements.
11. Review blueprints, work orders, and shop drawings to facilitate coordination of maintenance work.
12. Inspect machinery and equipment installed by external vendors or contractors.
13. Work with operations staff, engineers, and suppliers to explain the functioning of processes and procedures needed to operate new equipment.
14. Visit work sites to maintain effective communication, monitor progress on major projects, and observe working conditions.
15. Provide technical, procedure, and job safety review and oversight—complete paperwork outlining confined space entry and lock-and-tag-out procedures.
16. Respond to various wastewater emergencies on an assigned standby shift.
17. Provide technical assistance to consultant engineers and project representatives.
18. Perform other duties as assigned.

**Knowledge/Skills**

Knowledge of journey-level mechanical maintenance or millwright work experience (four years) in an industrial maintenance environment

Knowledge of and experience in the application of hydraulics, welding, and rigging techniques and principles

Knowledge and experience in life cycle analysis, including root cause analysis

Knowledge and experience in heavy equipment mechanical maintenance repair work and replacement criteria

Knowledge and experience working with industrial safety standards and procedures related to mechanical maintenance work

Skill in oral and written communication

Skill in troubleshooting and problem-solving equipment and machinery issues with limited documentation

Skill in operating power and hand tools

Ability to work from heights, get in and out of confined spaces, and sit for long periods

Ability to work in an environment of raw sewage, toxic, corrosive, and oxidizing chemicals, and explosive gases and around high-pressure gasses and hydraulic pressures to 3,000 psi

Ability to carry items and materials weighing up to 50 pounds

Ability to effectively engage in and sustain relationships with people from diverse cultures and socio-economic backgrounds

Ability to work independently and as a team member

Ability to work all shift schedules and required to report to work during adverse and inclement weather conditions

Demonstrated proficiency with business applications, such as Microsoft Office suite

**Education and Experience Requirements**

Any combination of education and experience that clearly demonstrates the ability to perform the job duties of the position

**Licensing, Certification and Other Requirements**

Washington State Driver’s license

Some licenses, certifications and other requirements determined to be necessary to meet the business needs of the employing unit may be required

|  |  |
| --- | --- |
| **FLSA Designation** | Non-Exempt  |
| **Service Status** | Career Service  |
| **EEO Code** | 7 |
| **Levels within same series** | None |
| **Class History** | 11/2006 – Created11/2007 – Updated font and format03/2010 – Updated03/2025 – Updated content |