

## **SNOHOMISH COUNTY JOB DESCRIPTION**

### **SOLID WASTE MAINTENANCE TECHNICIAN III**

Spec No. 8105

#### **BASIC FUNCTION**

To maintain solid waste facilities and grounds and to troubleshoot, repair and service a variety of solid waste gas, water, pneumatic, mechanical, hydraulic, electrical and electronic equipment and systems. To fabricate wood and metal structures. To repair or replace plumbing fixtures, perform manual labor tasks and operate a variety of light and heavy equipment as directed.

#### **STATEMENT OF ESSENTIAL JOB DUTIES**

1. Diagnose, service and maintain hydraulic, mechanical and electrical systems on solid waste compaction units and other stationary equipment. Perform routine maintenance on hydraulic and mechanical devices including filter changes and adjustments for proper operation.
2. Disassemble, repair and reassemble hydraulic cylinders, pumps, valves, motors, switches and related components.
3. Skillfully fabricate and repair metal structures using arc welder, wire feed welder, carbon arc, plasma cutter, and oxygen/acetylene torches.
4. Perform routine structural inspections of steel integrity in compaction equipment and other machinery, equipment and structures; perform related necessary repairs, in a standard recognized by industry practices, on broken, fatigued, cracked, and/or bent steel and other metal componentry in solid waste equipment.
5. Troubleshoot and perform predictive and preventative maintenance on steel and other metal componentry of solid waste equipment for fatigue, wear, stress; formulate repair plans and execute repairs on identified issues.
6. Fabrication of steel parts, wood, or concrete components or structures, including building painting, interior and exterior preservation, and installation of such structures or components.
7. Perform carpentry including rough and finishing work, fabrication of cabinets, shelves and buildings; removal of wood frame structures, installation of shelves, doors, windows, and related hardware using various carpentry tools.
8. Troubleshoot, maintain and repair hydraulic, pneumatic, mechanical, and electrical control systems at waste water treatment and gas flare facilities.
9. Install or repair plumbing fixtures, water valves, water and waste lines, leachate pipe lines, various pump stations and related components.
10. Perform minor electrical repairs or replacement of parts such as broken fixtures, outlets, switches, relays and related repairs.

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11. Operate heavy equipment including but not limited to backhoes, loaders and forklifts to dig up water, gas, and leachate pipelines, perform various repair projects and to remove and install equipment and parts.

**STATEMENT OF OTHER JOB DUTIES**

12. Performs related duties as required.

13. Completes all safety training as required

**MINIMUM QUALIFICATIONS**

Four (4) years of experience in repair, troubleshooting, maintenance and servicing of hydraulic and mechanical systems and equipment, including four (4) years experience in structural welding; OR, any equivalent combination of training and/or experience that provides the required knowledge and abilities. Must pass job related tests.

**SPECIAL REQUIREMENTS**

A valid Washington State Driver's License is required for employment.

Possession of or ability to obtain a valid First Aid/CPR Card within 6 months of employment.

Must possess and maintain a valid W.A.B.O. welding certification in structural steel AND pipe welding.

Minimum of certification as Master Mechanic through International Fluid Power Society (requires self study, 3 hour written and 3 hour job performance testing as Industrial Hydraulic Mechanic, Mobile Hydraulic Mechanic and Pneumatic Mechanic)

Must exhibit satisfactory performance for six (6) months as Solid Waste Maintenance Technician II

Must complete and maintain confined spaces entry safety training certification

Must complete and maintain sling and rigging training certification

Employment will be conditioned on satisfactory results of a post-offer medical examination

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**KNOWLEDGE AND ABILITIES**

Knowledge of:

- the proper welding techniques and practices associated with welding on various grades of ferrous metal and aluminum, including the properties of these metals;
- the methods, practices, tools and materials involved in servicing, maintaining, troubleshooting, and repairing hydraulic, mechanical and pneumatic systems and equipment;
- chemical process equipment involved in the treatment of water;
- tools, materials, methods, and techniques associated with routine plumbing work;
- carpentry, electrical, mechanical tools for maintenance, troubleshooting, and repair work;
- hazards associated with the work;
- safety rules and regulations;
- small engine rebuilding and large engine repair and service;
- a variety of power tools, equipment, and vehicles;
- work on a variety of pumps, pipelines, and pump stations associated with leachate processing and gas flare systems;
- basic electrical and electrical control troubleshooting and repair.

Ability to:

- utilize diagnostic and testing equipment such as, but not limited to, personal computers and multimeters to perform diagnosis and troubleshooting on compaction units and other stationary systems
- utilize computer systems to input repair and maintenance data into electronic maintenance tracking database
- diagnose, troubleshoot, service and repair hydraulic and mechanical equipment skillfully and in conformance with equipment specifications;
- use a variety of hand, power, and welding tools skillfully and safely under a variety of conditions;
- perform small combustion engine repairs, rebuilds, etc.;
- read, interpret and apply relevant codes;
- read, interpret and work from a variety of blueprints, drawings, sketches and work orders;
- complete all work in an efficient and timely manner, including communicating ongoing progress with management and team members;
- conduct effective interpersonal and teamwork skills;
- be self motivated;
- effectively communicate orally and in writing;
- communicate courteously and professionally with the general public, supervisors, and co-workers.
- provide mentoring, training and leadership to other team members as specified

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**SUPERVISION**

The work is performed under limited supervision and the employee generally carries out assigned and unassigned tasks independently. The work may be spot checked for technical adequacy and conformance with work orders, plans and specifications. The employee may serve as a lead worker as necessary.

**WORKING CONDITIONS**

Positions in this class typically require working both indoors and outdoors in all types of weather at work sites throughout the County. The work may involve working at considerable heights, in confined spaces or from ladders or scaffolding. Employees are exposed to a variety of hazards such as working around high voltage power lines, and are exposed to dust, fumes, methane gas, grease, and refuse. The work involves a variety of manual labor tasks requiring some strenuous physical effort such as lifting objects weighing in excess of fifty (50) pounds. Employees are required to wear County issued safety equipment.

The work involves rotating shift assignments and requires working evenings, weekends holidays and overtime as necessary.

Snohomish County is an Equal Employment Opportunity (EEO) employer.  
Accommodations for individuals with disabilities are provided upon request.

[EEO policy and ADA notice](#)

Class Established: August 2007  
EEO Category: 8 – Service and Maintenance Workers  
Pay Grade: 240 – Classified Pay Plan  
Workers Comp: 1501 Hazardous