

SNOHOMISH COUNTY JOB DESCRIPTION

PLANT OPERATIONS TECHNICIAN

Spec No. 8042

BASIC FUNCTION

To operate and maintain the county's rock gravel crusher plants and asphalt batch plant.

STATEMENT OF ESSENTIAL JOB DUTIES

1. Operates the rock crushing plant and asphalt batch plant; monitors the operations of plant systems and equipment.
2. Troubleshoots and resolves technical problems encountered in the work; maintains and adjusts equipment as necessary; prepares estimates of materials, equipment and labor requirements for needed repair and maintenance work.
3. Plans and schedules short and long term pit and quarry production by location; coordinates daily production of required materials with Maintenance and Operations and other agencies served to established required material inventories; orders materials for resale such as diesel oil.
4. Serves as lead worker over one or more employees and provides direct on-site supervision to subordinate employees as required; lays out daily work assignments and instructs subordinates as necessary; inspects work in progress and upon completion to ensure compliance with work orders, plans and specifications; provides for training of subordinate employees as necessary.
5. Enforces safety rules and regulations.
6. Maintains daily work records and employee time cards; prepares required written reports.

STATEMENT OF OTHER JOB DUTIES

7. May perform all the duties of subordinate level employees.
8. Performs related duties as required.

MINIMUM QUALIFICATIONS

Four (4) years of experience in road maintenance and repair work including at least two (2) years of experience in the operation of medium to heavy construction equipment; AND, two (2) years of experience in pit and quarry operations, crusher and asphalt plant operations and maintenance. Must pass job related tests.

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SPECIAL REQUIREMENTS

A valid Washington State Driver's License with a combination endorsement or a Commercial Driver's License and successful completion of the Snohomish County Driver's License testing program are required for employment.

A valid Washington State Traffic Flagging Card and a valid First Aid Card are required for employment.

A job offer will be conditioned on satisfactory results of a post-offer medical examination or inquiry.

KNOWLEDGE AND ABILITIES

Knowledge of:

- the mechanical working characteristics of crusher plants (jaw, cone and rolls) and an asphalt production plant;
- the mechanical working characteristics and capabilities of feeder hoppers, conveyer systems, screening plants and storage hoppers, including air-hydraulic systems;
- mechanical, electrical hydraulic and pneumatic principles;
- welding principles and practices;
- electronic and electric monitoring and sensing equipment;
- standard specifications for aggregate grading, quality assurance and testing procedures;
- standard specifications for asphalt concrete mix design, mixing, quality assurance and testing procedures;
- the materials, tools and equipment used in all phases of pit and quarry, crusher plants and asphalt plant operations;
- the operation of light, medium and heavy construction equipment used in pit and quarry operations;
- maintenance and troubleshooting procedures used in aggregate crushing plants and asphalt production plants;
- federal (MISHA), state and local laws, rules and regulations governing surface mining and pit and quarry operations;
- the potential hazards associated with the work and safety rules and regulations;
- basic first aid methods and procedures.

Ability to:

- analyze and determine resource and production requirements;
- plan, layout, organize and supervise the work of subordinate employees;
- read, interpret and work from a variety of blue prints, drawings and electric and electronic schematics;
- prepare work plans, specifications, cost estimates and other written materials;

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KNOWLEDGE AND ABILITIES (continued)

Ability to:

- operate the full range of construction, maintenance and monitoring equipment necessary for safe plant operations;
- understand and follow oral and written instructions;
- establish and maintain effective work relationships with supervisors, subordinates and co-workers;
- maintain accurate and complete written records and prepare required reports.

PHYSICAL REQUIREMENT

Moderate physical effort is required in the operation of various pieces of construction and maintenance equipment. Occasional strenuous physical exertion may be required in the adjustment or servicing of the equipment or when performing manual labor tasks. Walking over rough terrain at the quarry site is required. The ability to see when operating and adjusting heavy equipment is required. Manual dexterity to adjust and operate assigned equipment is required.

SUPERVISION

The work is performed under the direction of the Paving/Pit and Quarry Supervisor and requires considerable independent judgment by the employees. The work is reviewed through status reports, staff meetings and results obtained. The employee is responsible for the direct, day-to-day supervision of one or more work crews in the Pit and Quarry operations.

WORKING CONDITIONS

The majority of the work is performed outdoors in all types of weather at work sites throughout the county. Paperwork is done in the usual office environment. The employee is exposed to a variety of potential hazards associated with this type of work when working in the Pit and Quarry operations.

Employees are required to work evenings, weekends and holidays as necessary owing to emergency conditions.

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

[EEO policy and ADA notice](#)

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Class Established: June 1992

Previous Spec No. 910897

Revised: February 1993

EEO Category: 3 - Technicians

Pay Grade: 906 – Public Works Pay Plan

Workers Comp: 1501 Hazardous