

## Greater Vancouver Regional District

**Position Description: Metal Fabricator/Blacksmith Assistant I/II (G473/G474)**

**March 2013**

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**Purpose:** To assist trades staff to fulfill a variety of metal fabrication and blacksmith tasks in order to produce customized blacksmith and fabricated metalwork products and tools, in order to support the repair and maintenance of Metro Vancouver facilities and equipment.

**Duties: (the duties described hereunder are intended to be representative of the position and are not to be considered all inclusive.)**

Under the general direction of the Trades Foreman or Metal Fabricator/Blacksmith, assists in the metal fabrication and blacksmithing to manufacture parts for equipment, such as: graders, diggers, and similar construction and maintenance equipment, threads pipe and large bolts, cuts steel, operates and maintains trade tools such as: forge, trip hammer, drill presses, grinders, threading and cutting machine, cut off saws, band saws, iron worker, English wheel, brake and shear equipment in the performance of a variety of blacksmith tasks.

Uses standard practices, methods, tools and equipment and materials of a blacksmithing trade.

Uses and cares for tools and equipment used in forging, finishing and fitting a variety of metal parts and objects in the maintenance, overhaul and repair of construction and maintenance equipment.

Assists in the welding shop.

Operates overhead shop crane, forklift and mobile yard crane to move material (pipe, steel etc.) throughout the shops and yard and loads and unloads trucks.

Maintains records and inventories of materials, parts and completed jobs.

Performs daily inspections as required on equipment as per regulatory requirements from WorkSafe BC or other regulatory agencies.

Works in compliance with Corporate, Departmental and WorkSafe BC standards and regulations.

May be requested to act for the Metal Fabricator/Blacksmith as required.

Performs other related duties.

### **Requirements:**

Grade 12 graduation, plus technical courses related to the work, specifically including basic steel fabrication or equivalent as well as relevant experience related to metal fabrication tasks.

Knowledge of the safe operation and care of hand and power tools. Ability to safely operate various equipment (ie. forklift and mobile yard crane).

Ability to perform a variety of skilled generalized blacksmith tasks.

**Requirements (continued):**

Ability to interpret and work from blueprints, drawings and sketches.

Demonstrated initiative and proven ability to work with minimal supervision.

Ability to apply good judgment in deciding on best work methods to be used.

Ability to communicate effectively both verbally and in writing with both internal and external contacts.

Ability to use computer applications related to the position and duties.

Ability to work effectively within a team environment.

Ability to establish and maintain effective working relationships.

Ability to demonstrate safety awareness.

Physically capable of performing duties.

Ability to work in an outdoor environment for extended periods.

Valid B.C. Driver's License.

Note: The position of Metal Fabricator/Blacksmith I will progress to Metal Fabricator/Blacksmith II after 2 years experience AND successful completion of courses in steel fabrication, welding, lathe operations and blueprint reading.

For the purposes of comparison and course content, the following courses offered at BCIT (2013) provide the basis for the educational component requirement to move from level 1 to level 2. Other courses already taken will be assessed against these courses for the purpose of assessing equivalent credit.

- MACH 0105
- MACH 0116
- MACH 0110
- Welding 0102