

Greater Vancouver Regional District

Position Description: Metal Fabricator/Blacksmith (G457)

March 2010

Purpose: This position is responsible to fulfill a variety of metal fabrication and blacksmith tasks in order to produce customized blacksmithed 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 to be representative of the position and are not to be considered as all-inclusive.)*

Draws, cuts, hardens, tempers, fabricates and repairs parts and tools, such as: breaker and drill bits, chisels, crow bars, brackets, manhole lifters, anchor bolts, machinery parts, etc.

Performs metal fabrication and blacksmithing to manufacture parts for equipment, such as: graders, diggers and similar construction and maintenance equipment.

Threads pipes 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, lathe and milling machines, Iron worker, English wheel, brake and shear equipment in the performance of a variety of blacksmith tasks.

Repairs and straightens frames, blades and similar parts of heavy duty equipment.

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

Occasionally operates yard equipment such as a forklift or overhead crane.

Enforces safety requirements in blacksmith shop.

Performs other related duties.

Requirements:

Completion of secondary school plus technical courses related to the work, specifically including basic Steel Fabrication or equivalent, Shielded Metal Arc Welding or equivalent and Lathe Operation or equivalent, as well as four years of demonstrated blacksmithing skills or four years of experience directly related to metal fabrication tasks and demonstrated experience and ability in applying blacksmithing techniques and skills in the creation of customized metal work.

Thorough knowledge of the standard practices, methods, tools and equipment and materials of a blacksmithing trade.

Thorough knowledge of the use and care of 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.

Ability to perform a variety of skilled generalized blacksmith tasks.

Advanced skill in the use of the tools, materials and equipment used in the forging, hardening, tempering, shaping, bending and otherwise working ferrous metals.

Demonstrated ability to read and work from blue prints and to determine methods and procedures.

Demonstrated ability, strength and co-ordination to perform heavy tasks.

Understands and effectively carries out written and/or oral instructions.

Working knowledge of WorkSafe BC regulations and corporate safety policies and procedures applicable to the position.

Working knowledge of Metro Vancouver's policies and procedures applicable to the position.

Physically capable of performing duties.

Ability to work in an outdoor environment for extended periods.

Valid BC Driver's License.