

## Greater Vancouver Regional District

**Position Description: WELDER (G458)**

**February 2000**

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

Performs skilled welding, heating, cutting and tapping tasks utilizing mild steel (pipe) and other metals and alloys such as stainless steel, aluminum and other specialities.

Uses a variety of tools and equipment such as welding machines, grinders, cutting torches, punches and drills in performing fabricating and fitting duties as required. Burns out fittings and joints as required. Maintains and makes minor repairs to welding equipment.

May supervise one or more persons engaged in less complex welding or related tasks.

Makes up pipe connections and tees, etc. Performs related work as required. May be required to pass through pipe hatches and work in confined spaces.

Some phases of the work entail the use of independent judgement in performing fairly complex fitting, fabrication, layout and designing tasks. Oral and written assignments accompanied by sketches and blueprints are received from a superior who checks the work during progress and upon completion for workmanship and conformance with desirable standards.

### **Requirements:**

Thorough knowledge of the standard practices, methods, tools, materials and equipment used in the welding trade. Considerable knowledge of water main and related pipe installation, repair and maintenance work where applicable. Considerable knowledge of the hazards and proper safety precautions of the trade.

Ability to lay out work from blueprints, sketches, rough drafts and ability to follow oral instructions. Ability to weld steel (water pipe) under pressure and all types of wet taps. Ability to effectively supervise one or more persons engaged in less complex welding or related tasks. Skill in the care and use of tools, equipment and materials used in the welding trade. Ability to perform heavy tasks in difficult positions in all weather. Ability to weld with wire machines (micro wire, Flux core and aluminum).

Grade 12 graduation or equivalent, preferably supplemented by technical courses related to the work. Completion of apprenticeship to trade, preferably as a Tradesman II (Welder). Minimum 8 years experience. Hold an MCA-BC1 or PWP #8 or PWP #11(downhand), MCA-BC1A or PWP #7(uphand), and PWP 10 – tig (GTAW) welding certification. Hold a valid B.C. Driver's license and be able to pass health test for watershed entry. Confined space entry training using Self-Contained Breathing Apparatus (SCBA).

Demonstrated understanding of WCB regulations and GVRD occupational health and safety requirements for construction work.