

EXHIBIT C-3 Classification Specification

Job Title: Electrical Machinist (PG&E Classification No. 1140)

General Job Description

Under the direction of the Hydro Maintenance Foreman:

as a journeyman, repairs, installs and maintains all types of mechanical and electrical equipment in hydroelectric plants and related facilities, and other Agency electrical facilities;

performs a wide variety of skilled and semi-skilled manual and automated tasks, including operating machining tools, welding, and rigging.

Prerequisite Qualifications

High school diploma or the equivalency thereof.

Completion of a recognized apprenticeship program for hydroelectric machinists.

Journeyman level welding skills utilizing TIG, MIG, acetylene and arc systems.

Valid California drivers license and satisfactory driving record.

Basic Work Hours: 7:00 AM to 3:30 PM, Monday through Friday.

Hourly Compensation Range: See Exhibit "A" of the MOU between Agency and Union.

Essential Job Duties:

1. Task: Repairs, installs and maintains mechanical and electrical equipment.

Physical Demand: Sitting; standing; stooping; kneeling; bending; squatting; walking over uneven ground and objects; climbing stairs; close and distance vision; speaking; hearing; use of hands to write and to finger, handle, or feel objects, tools or controls; upper and lower body flexibility; standing; lifting, pushing, pulling and carrying (regularly up to 25 lbs., frequently up to 50 lbs., and infrequently up to 100 lbs.); driving vehicle.

2. Task: Operates precision machining tools and equipment, including lathe, drill press, milling machine, and grinders.

Physical Demand: Sitting; standing; walking; climbing stairs; close and distance vision; hearing; use of hands to write and to finger, handle, or feel objects, tools or controls.

3. Task: Welding and metal fabrication.

Physical Demand: Sitting; standing; walking; climbing stairs; close and distance vision; hearing; use of hands to write and to finger, handle, or feel objects, tools or controls.

4. Task: Operates and maintains vehicles and equipment.

Physical Demand: Sitting; standing; stooping; kneeling; bending; walking; close and distance vision; use of hands to write and to finger, handle, or feel objects, tools or controls; driving vehicle.

5. Task: Planning work assignments and directing other Agency employees as Lead Person (“Safety Man”) or while assuming the responsibilities of the Hydro Maintenance Foreman as assigned by the Power Division Manager in the Foreman’s absence.

Physical Demand: Sitting; standing; walking; close and distance vision; hearing; speaking; use of hands to write and to finger, handle, or feel objects, tools or controls; driving vehicle.

6. Task: Training other in the operation of outlying facilities (including valves on dams and gates on intake structures), assisting in the training of Apprentice Electrical Machinists, and providing periodic safety meetings regarding electrical devices and their operation.

Physical Demand: Sitting; standing; walking; climbing stairs; close and distance vision; speaking; hearing; use of hands to write and to finger, handle, or feel objects, tools or controls; driving vehicle.

7. Task: Inspects, maintains, and operates water conveyance facilities, including cleaning “grizzlies”.

Physical Demand: Sitting; standing; stooping; kneeling; bending; squatting; walking over uneven ground and objects; climbing; close and distance vision; speaking; hearing; use of hands to write and to finger, handle, or feel objects, tools or controls; upper and lower body flexibility; standing; lifting, pushing, pulling and carrying (regularly up to 25 lbs., frequently up to 50 lbs., and infrequently up to 100 lbs.); driving vehicle.

Tools and Equipment Used:

Computer, typewriter, calculator, air compressor, small cranes, lifting equipment, and metal machining power hand tools, forklift, painting equipment, chain saw, weed eater, test meters, welding equipment (TIG, MIG, acetylene, arc), tools.

Marginal Job Duties:

1. Task: Operates various pieces of equipment, including computers, meters, radios, typewriters and calculators.

Physical Demand: Sitting; close vision; use of hands to finger, handle, or feel objects, tools or controls.

2. Task: Driving vehicles in adverse weather conditions (e.g., heavy rain, snow, ice); installing snow chains on tires; clearing fallen trees (including operating chain saws) from roadways and facilities.

Physical Demand: Sitting; standing; walking on slippery and uneven ground, snow and ice; close and distance vision; hearing; use of hands to finger, handle, or feel objects, tools or controls; driving vehicle; lifting, pushing, pulling and carrying (regularly up to 50 lbs. for a distance of up to 200 feet).

Environmental Demands:

Outside: Regularly works outside in a variety of weather conditions ranging from below freezing and snow to +100° F.

Inside: Frequently works indoors in temperature-controlled environment, as well as in confined damp spaces where temperature is not controlled.

Fumes/Gases: Exposure to fumes and gases from solvents, lubricants, paints, carbon dioxide, nitrogen, oxygen and acetylene.

Noise/Vibration: Moderate exposure to loud noise and vibration from large rotating equipment, air compressors and falling water.

Mental Requirements:

Reading: Reads instructions, work orders, technical reports and operation procedures, safety manuals, letters, reports, memos and messages.

Writing: Reports, messages and instructions.

Math: Ability to perform basic math calculations, including algebra and geometry.

Attention to Detail: Above average level concentration and attention to detail. Must be accurate and precise.

Repetition: Routine daily work practices, especially relating to data collection.

Judgment: Ability to work independently with little supervision, prioritize work and make decisions regarding correct formatting of work and implementation of same. Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to work with others to achieve desired goals.

Social Skills: Ability to relate cooperatively with members of the public, PG&E personnel and Agency personnel.

Communication Skills: Ability to quickly organize and communicate thoughts orally and written. Ability to understand communications from others.

ADOPTED: 3/25/97