

MAINTENANCE MECHANIC

DEFINITION: Under direct supervision, operates equipment and machinery utilized in water development activities to perform construction and maintenance duties; performs related work as assigned.

ESSENTIAL FUNCTIONS: This list is ILLUSTRATIVE ONLY and is not a comprehensive listing of all functions and tasks performed by incumbents of this class.

TASKS:

Operates equipment to construct, erect, and install water development facilities in accordance with specifications, blueprints, and schematics; performs preventative maintenance and repair work on windmills and other related machinery; repairs and replaces windmill parts; inspects wind driven motors and gears housed inside; oils and greases as necessary; maintains water delivery lines; checks, operates, and performs maintenance on water pumps; operates heavy equipment to dig, remove or push earth aside, or to lift and erect windmills; loads and transports heavy equipment to work locations.

Monitors and reports water pressure readings; installs siphons; mixes concrete to form footings for valves; forms concrete and rock walls; welds pipe with flange and butt straps; fabricates brackets to hold pipes, gates and staff gauges; installs stem pipes for outlet gates; inspects for leaks, cracks, and elevations; cleans canals freeing up accumulated debris and sand buildup; builds earth and concrete walls for smooth water delivery; may serve in a lead capacity over general laborers and craft helpers in field work.

KNOWLEDGE, SKILLS AND OTHER CHARACTERISTICS:

Knowledge of potable and non-potable water systems.
Knowledge of industrial and commercial electrical systems.
Knowledge of operation, construction, and maintenance of water facilities.
Knowledge of basic diagrams, specifications, schematics, and blueprints.
Knowledge of the basic operation and maintenance of heavy equipment and machinery.
Knowledge of basic welding techniques and methods.
Knowledge of occupational health and safety practices, procedures, and standards.
Knowledge of basic maintenance and repair of hand and power tools.
Skill in utilizing welding equipment and power tools on high scaffolds and windmills.
Skill in safely operating a backhoe.
Skill in loading and transporting heavy equipment and supplies.
Skill in maintaining records and logs.
Skill in establishing and maintaining effective working relationships.

PHYSICAL REQUIREMENTS AND WORK ENVIRONMENT: Work requires extended hours of lifting, carrying, and transporting equipment and materials weighing up to 100 pounds with exposure to heat, fumes, and outdoor weather conditions.

MINIMUM QUALIFICATIONS: A high school diploma or GED; and one (1) year of general maintenance experience, preferably in water facilities.

SPECIAL REQUIREMENTS: Must possess a Commercial Driver's License with Class "A" combination endorsements. Additional certifications may be required.

THE NAVAJO NATION

Class Code: 4076
General Services and Maintenance Series
Skilled Trades Group
Overtime Code: Non-Exempt
Pay Grade: 58

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Depending upon the needs of the Nation, some incumbents of the class may be required to demonstrate fluency in both the Navajo and English languages as a condition of employment.