

Staff Report

for the Regular Meeting of the Board of Directors, July 25, 2018

TO: Board of Directors

FROM: Jana Kolakowski, Human Resources Manager

DATE: July 3, 2018

SUBJECT: Update and Addition of Hydroelectric Job Classifications (Consent)

HUMAN RESOURCES

RECOMMENDATION:

Approve the updated and new Hydroelectric job classifications, as recommended by the Administrative Practices Committee on July 3, 2018.

BACKGROUND:

The Hydroelectric Department continues to plan for future growth and staff has reviewed the current organization and operating environment. As a result, the following job description updates are proposed:

1. Hydroelectric Water Systems Operator I/II.
This classification exists in the current structure, but is not currently staffed. In anticipation of a future need, some minor updates have been made. This brings the position in line with future Deer Creek operations and removes actual operation of the powerhouse. This classification has been designated in the Field Unit by the General Manager.
2. Hydroelectric Maintenance Technician I/II.
This classification's title is proposed to change from "Hydroelectric Utility Worker". The description has been updated to reflect the current job functions and to distinguish it from the Utility Worker classification in the District's Maintenance department. An additional level was added to allow for growth within the series. This classification has been designated in the Field Unit by the General Manager.

The following new classification has been proposed by staff:

3. Senior Hydroelectric Maintenance Technician.

This journey-level classification is needed to add to the series in order to allow for growth of current staff in the series and to create a clear path of increasing responsibility and skill level in the Hydroelectric Maintenance function for future additions to headcount. This classification has been designated in the Field Unit by the General Manager.

The draft job descriptions have been shared with AFSCME.

BUDGETARY IMPACT: None

Attachments (3):

Job Description – Hydroelectric Water Systems Operator I/II

Job Description – Hydroelectric Maintenance Technician I/II

Job Description – Senior Hydroelectric Maintenance Technician

NEVADA IRRIGATION DISTRICT

HYDROELECTRIC WATER SYSTEMS OPERATOR I HYDROELECTRIC WATER SYSTEMS OPERATOR II

Range B17/B37 – BOD XX/XX/18

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

To perform semi-skilled duties associated with the operation of the District's hydroelectric generation systems; to regulate water flows, read and record data, and clear debris and obstructions; and to perform minor maintenance on District dams, reservoirs and related equipment.

DISTINGUISHING CHARACTERISTICS

Hydroelectric Water Systems Operator I: This is the entry level class in the Hydroelectric Water Systems Operator series. Positions in this class typically have little or no directly related work experience. The Hydroelectric Water Systems Operator I class is distinguished from the II level by the performance of less than the full range of duties assigned to the II level. Incumbents work under immediate supervision while learning job tasks, progressing to general supervision as procedures and processes of assigned area of responsibility are learned.

Hydroelectric Water Systems Operator II: This is the journey level class in the Hydroelectric Water Systems Operator series and is distinguished from the I level by the assignment of the full range of duties. Employees at this level receive only occasional instruction or assistance as new, unusual or unique situations arise and are fully aware of the operating procedures and policies within the work unit. Positions in this class are flexibly staffed and are normally filled by advancement from the I level.

SUPERVISION RECEIVED AND EXERCISED

Hydroelectric Water Systems Operator I

Receives immediate supervision from assigned supervisor~~the Hydroelectric Generation Supervisor~~.

Hydroelectric Water Systems Operator II

Receives general supervision from ~~the Hydroelectric Generation Supervisor~~assigned supervisor.

NEVADA IRRIGATION DISTRICT
Hydroelectric Water Systems Operator I/II

ESSENTIAL FUNCTION STATEMENTS

Essential and other important responsibilities and duties may include, but are not limited to, the following:

Essential Functions:

1. Inspect District hydroelectric generating facilities; perform minor maintenance tasks; read, record, and report electrical and water flow data; report abnormal conditions to supervisor. Operate powerhouses and conduct line switching for hydroelectric power generation; p
- 1.2. Patrol power lines, clear vegetation/debris, and report to supervisor any repair needs.
- 2.3. Read water levels and record data related to lake levels and stream flows; under the direction of a supervisor, regulate water flows to ensure compliance with the Federal Energy Regulatory Commission (FERC) regulations.
- 3.4. Inspect dams for leakage and deterioration from rodent and/or vegetation growth; report to supervisor necessary repairs.
5. Perform routine electrical, mechanical and building maintenance tasks associated with hydroelectric plant, substations, water collection and delivery systems and related facilities.
- 4.6. Patrol canals and clean trash racks and remove fallen trees and other debris from canals, lakes and afterbays; operate reservoir valves, gates and related equipment.
- 5.7. Inspect spill gates for proper operation; maintain powerhouse operation log and ~~line~~-switching logs and procedures.
- 6.8. Perform preventive and routine maintenance on a variety of vehicles and equipment.
- 7.9. Operate a variety of light to heavy maintenance and construction equipment for the purpose of maintaining roads, flumes, and other District facilities.
- 8.10. Build and maintain positive working relationships with co-workers, other District employees and the public using principles of good customer service.
11. Perform related duties as assigned.

QUALIFICATIONS

Hydroelectric Water Systems Operator I

NEVADA IRRIGATION DISTRICT
Hydroelectric Water Systems Operator I/II

Knowledge of:

Uses and purposes of general construction tools and equipment.
Safe work practices.
Principles and practices of effective customer service.
Basic mathematics.
Modern office equipment including use of applicable computer applications.

Ability to:

Learn to perform a variety of semi-skilled work in the construction, installation, maintenance and repair of hydroelectric facilities.
Learn to operate and maintain the District's water facilities associated with the hydroelectric generation operations.
Learn to maintain logs, records and reports.
Learn to recognize and respond to emergency situations.
Learn pertinent Federal, State, local and District regulations related to maintenance and repair of hydroelectric systems.
Learn to correctly operate canals during high water flows.
Learn basic power operations including ~~line~~-switching.
Safely operate a variety of hand and power tools.
Operate and use modern office equipment including a computer and applicable software.
Establish and maintain effective working relationships with those contacted in the course of work.
Communicate clearly and concisely, both orally and in writing.
Respond to after hours emergency situations.
Work after hour night call on normal workdays, weekends and holidays and be subject to callout.

Responsibility to:

Obey safe work practices, procedures, and regulations including wearing protective equipment and safety devices.
Operate equipment in a careful and safe manner.
Acknowledge the use of safeguards by other employees.
Report any removal, displacement, damage, destruction, or tampering of safety devices, safeguards, notices or warnings.
Report any safety risks or hazards to your supervisor or other management personnel.
Report to your supervisor or other management personnel any work assignment that you feel would require you to perform the work in an unsafe manner.

EXPERIENCE AND EDUCATION GUIDELINES

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

NEVADA IRRIGATION DISTRICT
Hydroelectric Water Systems Operator I/II

Experience:

One year of experience involving the operation and maintenance of a water distribution system or hydroelectric plant facilities.

Education:

Equivalent to completion of the twelfth grade.

License and Certificate:

Possession of a valid California driver's license.

Hydroelectric Water Systems Operator -II

In addition to the qualifications for the Hydroelectric Water Systems Operator I:

Knowledge of:

Principles and practices of construction and maintenance of hydroelectric facilities.
Proper application and use of equipment, tools and materials used in the repair and maintenance of hydroelectric facilities.
Principles of hydroelectric power generation.
Principles of water flow measurement.
Practices associated with the safe operation and regulation of water flows.
Pertinent Federal, State and local laws, codes and regulations.
Reservoir, canal, and flume layouts, capabilities and flow requirements.

Ability to:

Operate and maintain the District's water facilities associated with hydroelectric operations.
Safely operate water facilities and regulate water flow.
Safely operate a variety of hand and power tools to perform minor maintenance of water facilities and maintain vehicles and equipment.
Maintain accurate logs and records.
Calculate water flow and capacity.
Perform a variety of semi-skilled construction and maintenance tasks.
~~Operate hydroelectric powerhouses and perform line switching.~~
Recognize and respond effectively to emergency situations.
Maintain accurate records, logs and reports.

EXPERIENCE AND EDUCATION GUIDELINES

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

NEVADA IRRIGATION DISTRICT
Hydroelectric Water Systems Operator I/II

Experience:

Two years of responsible experience similar to Hydroelectric Water Systems Operator I with the Nevada Irrigation District.

Education:

Equivalent to completion of the twelfth grade.

License and Certificate:

Possession of a valid California driver's license.

WORKING CONDITIONS

Environmental Conditions:

Work is performed in an outdoor environment on a year-round basis subject to outdoor weather conditions including extreme heat and cold and to wet, humid conditions, fumes and/or airborne particles. Duties may be performed near moving mechanical parts and on slippery and uneven surfaces with exposure to toxic or caustic chemicals and risk of electric shock.

Physical Conditions:

Essential functions may require maintaining physical condition necessary to sit while studying or preparing reports; bend, squat, climb, kneel and twist when performing installation/repair of equipment; perform simple and power grasping, pushing, pulling, and fine manipulation; and lift or carry weight of 50 pounds or less.

Mental Conditions:

Essential functions may require maintaining mental condition necessary to know and understand maintenance activities, and observe safety rules; intermittently analyze problem equipment; identify and locate equipment; interpret work orders; remember equipment location; and explain jobs to others; handle conflict.

NEVADA IRRIGATION DISTRICT

HYDROELECTRIC MAINTENANCE UTILITY WORKER/TECHNICIAN I/II

Range B37/B57 – **BOD XX/XX/18**

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

To perform a variety of semi-skilled mechanical duties related to the operation of the District's hydroelectric generation facilities, dams, reservoirs, flumes and related facilities; to operate light to heavy construction and maintenance equipment in support of activities related to the construction, maintenance and repair of hydroelectric facilities; and to ensure work is performed in a safe manner. Employees at this level only receive occasional instruction or assistance as new or unusual situations arise and are fully aware of the operating procedures and policies within the work unit.

DISTINGUISHING CHARACTERISTICS

Hydroelectric Maintenance Technician I: This is the entry level class in the Hydroelectric Maintenance Technician series. Positions in this class typically have little or no directly related work experience. The Hydroelectric Maintenance Technician I class is distinguished from the II level by the performance of less than the full range of duties assigned to the II level. Incumbents work under immediate supervision while learning job tasks, progressing to general supervision as procedures and processes of assigned area of responsibility are learned.

Hydroelectric Maintenance Technician II: This is the journey level class in the Hydroelectric Maintenance Technician series and is distinguished from the I level by the assignment of the full range of duties. Employees at this level receive only occasional instruction or assistance as new, unusual or unique situations arise and are fully aware of the operating procedures and policies within the work unit. Positions in this class are flexibly staffed and are normally filled by advancement from the I level.

SUPERVISION RECEIVED AND EXERCISED

Hydroelectric Maintenance Technician I

Receives immediate supervision from assigned supervisor.

Hydroelectric Maintenance Technician II

Receives general supervision from the assigned supervisor.

May exercise technical and functional direction over assigned personnel.

NEVADA IRRIGATION DISTRICT

Hydroelectric ~~Utility Worker~~ Maintenance Technician I/II

ESSENTIAL FUNCTION STATEMENTS

Essential and other important responsibilities and duties may include, but are not limited to, the following:

Essential Functions:

1. Follow procedures and ability to safely work in electrical substations while wearing appropriate arc rated clothing and personal protective equipment (PPE).
2. Operate light to heavy construction equipment in support of the construction, installation, maintenance and repair of District hydroelectric facilities, including but not limited to, reservoirs, powerhouses, flumes, dams, bridges and roads.
3. Perform complex grading, excavation, and installation using motor graders, loaders, backhoes, dump trucks, bulldozers, excavators, and related equipment.
- ~~3.4.~~ Safely operate equipment over snow such as snowmobiles and snow cats. Helicopter flights may be required for inspection and completing tasks as required.
- ~~4.5.~~ Perform preventative and corrective maintenance on all types of ~~mechanical~~ equipment associated with District hydroelectric plants, canals and overhead flumes ~~water distribution conduits~~, including mobile and heavy equipment.
~~Use concrete to make minor repairs to dams, banks and related facilities; clear brush, remove trees.~~
- ~~5.6.~~ Form and pour concrete for the construction and repair of foundations, flumes, dams, -and canals; perform complex carpentry repairs to overhead wooden flumes and related facilities.
- ~~6.7.~~ Assist in the repair and maintenance of powerhouses; independently perform routine related maintenance duties ~~they relate to District powerhouses~~.
- ~~7.8.~~ Perform complex rigging duties for all types of repairs and installations, ensuring safe and proper use of equipment.
9. Perform skilled welding, cutting, brazing and soldering techniques using shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW), gas metal arc welding (GMAW), and oxy acetylene welding for repairs to facilities and construction related equipment.
- ~~8.~~ ~~Operate arc and gas welding equipment in the maintenance and repair of hydroelectric facilities.~~
10. Ability to read, understand and work from a variety of blueprints and drawings.
- ~~9.11.~~ Clean trash racks and remove fallen trees and other debris from canals, lakes and roads. Remove vegetation, clear trees and maintain District right of ways for facilities.
- ~~10.12.~~ Perform carpentry, welding ~~roofing~~, -plumbing and other maintenance duties in support of hydroelectric facilities.

NEVADA IRRIGATION DISTRICT

Hydroelectric ~~Utility Worker~~ Maintenance Technician I/II

- 13. May perform as a lead worker over another employee or small crew of temporary employees.
- 14. Identify equipment needs for assigned work; check equipment for safe handling and use, and deliver to and return equipment from work sites, ensuring compliance with transit requirements.
- ~~11.15.~~ Estimate time, materials, equipment and needs required for assigned tasks.
- ~~12.16.~~ Build and maintain positive working relationships with co-workers, other District employees and the public using principles of good customer service.
- ~~13.17.~~ Perform related duties as assigned.

QUALIFICATIONS

Hydroelectric Maintenance Technician I

Knowledge of:

Operational characteristics of power-driven construction equipment.

Methods and techniques used in evaluating site conditions for safe and effective equipment operation.

Construction practices, tools and materials used in the repair and maintenance of hydroelectric powerhouses including concrete work, welding, carpentry, and plumbing.

Safe use of a variety of hand tools, power tools, and welding equipment.

Pertinent Federal, State and local laws, codes and regulations.

Basic record keeping procedures.

Modern office equipment including use of applicable computer applications.

Ability to:

Operate and use light to heavy construction equipment in support of activities related to the construction, maintenance and repair of District hydroelectric facilities.

Ability to work from heights while wearing fall protection and appropriate PPE.

Perform a variety of semi-skilled construction and maintenance tasks associated with all hydroelectric facilities.

Perform inspection and repairs on construction equipment and tools.

Perform heavy manual labor for extended periods.

Perform skilled carpentry, welding, carpentry, welding, and plumbing duties.

Operate and use modern office equipment including a computer and applicable software.

Establish and maintain effective working relationships with those contacted in the course of work.

Communicate clearly and concisely, both orally and in writing.

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Hydroelectric ~~Utility Worker~~ Maintenance Technician I/II

Responsibility to:

- Obey safe work practices, procedures, and regulations including wearing protective equipment and using appropriate safety devices.
- Operate equipment in a careful and safe manner.
- Acknowledge the use of safeguards by other employees.
- Report any removal, displacement, damage, destruction, or tampering of safety devices, safeguards, notices or warnings.
- Report any safety risks or hazards to your supervisor or other management personnel.
- Report to your supervisor or other management personnel any work assignment that you feel would require you to perform the work in an unsafe manner.

EXPERIENCE AND EDUCATION GUIDELINES

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Experience:

Two years of progressively responsible experience in the operation and maintenance of water distribution facilities and ~~small~~ hydroelectric plant facilities involving the operation of light to heavy construction and maintenance equipment.

Education:

Equivalent to completion of the twelfth grade supplemented with industrial or construction maintenance coursework.

License and Certificate:

- Possession and maintenance of a valid class A driver’s license is required.
- Possession of certification as a Certified Crane Operator ~~certification~~ within one year of appointment.
- Possession of certification as a forklift operator within one year of appointment.

Hydroelectric Maintenance Technician II

In addition to the qualification for the Hydroelectric Maintenance Technician I:

Knowledge of:

Advanced construction practices, tools and materials used in the repair and maintenance of hydroelectric powerhouses including concrete work, welding, carpentry, and plumbing.

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Hydroelectric ~~Utility Worker~~ Maintenance Technician I/II

Ability to:

Independently perform a variety of skilled construction and maintenance tasks associated with all hydroelectric facilities.

Experience:

Two years of progressively responsible experience in the operation and maintenance of distribution facilities and hydroelectric plant facilities involving the operation of light to heavy construction and maintenance equipment or two years of responsible experience similar to Hydroelectric Technician I with the Nevada Irrigation District.

Education:

Equivalent to completion of the twelfth grade supplemented with industrial or construction maintenance coursework, apprenticeship or certification.

License and Certificate:

Possession of certification as a Certified Crane Operator.

Possession of certification as a forklift operator.

WORKING CONDITIONS

Environmental Conditions:

Work is performed in an outdoor environment on a year-round basis subject to outdoor weather conditions including extreme heat and cold and to wet, humid conditions, fumes and/or airborne particles. Duties may be performed near moving mechanical parts and on slippery and uneven surfaces with exposure to toxic or caustic chemicals and risk of electric shock.

Physical Conditions:

Essential functions may require maintaining mental condition necessary to sit while driving a piece of equipment; stand and walk while performing maintenance activities; bend and twist to adjust equipment; kneel and squat to review work; climb ladders or climb up on to heavy equipment to begin operations; perform simple and power grasping, pushing, pulling, and fine manipulation; and lift or carry weight of 75 pounds or less; push, pull or torque up to 150 pounds.

Mental Conditions:

Essential functions may require maintaining physical condition necessary to know and understand operations and maintenance activities and observe safety rules; intermittently, analyze problem

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Hydroelectric ~~Utility Worker~~ Maintenance Technician I/II

equipment; identify safety hazards; locate equipment; interpret work orders; remember how to operate equipment; explain job to other employees; handle conflict.

NEVADA IRRIGATION DISTRICT

SENIOR HYDROELECTRIC MAINTENANCE TECHNICIAN

Range B77– BOD **XX/XX/18**

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

To organize, assign, and review the work of assigned personnel engaged in semi-skilled and skilled work in the construction, installation, maintenance and repair of District hydroelectric plants, canals, reservoirs, and related facilities. Complete troubleshooting and repair duties associated with the District's hydroelectric facilities; to perform duties requiring specialized knowledge; and to provide administrative support to assigned supervisor.

DISTINGUISHING CHARACTERISTICS

This is the advanced journey level in the Hydroelectric Maintenance Technician series. Positions at this level are distinguished from other classes within the series by the level of responsibility assumed, complexity of duties assigned, independence of action taken, by the amount of time spent performing the duties, and by the nature of the public contact made. Employees perform the most difficult and responsible types of duties assigned to classes within this series, including providing technical and functional supervision over assigned personnel and ensuring the proper and safe maintenance and repair of District facilities. Employees at this level are required to be fully trained in all procedures related to assigned areas of responsibility

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from the assigned supervisor.

Exercises technical and functional supervision over assigned personnel.

ESSENTIAL FUNCTION STATEMENTS

Essential and other important responsibilities and duties may include, but are not limited to, the following:

Essential Functions:

1. Plan, prioritize, and review the work of staff assigned to a variety of semi-skilled activities related to the construction, installation, maintenance and repair of District facilities including powerhouses, water conveyance and District right of ways.
2. Develop schedules and methods to accomplish assignments ensuring work is completed in a timely and efficient manner.
3. Participate in evaluating the activities of staff, recommending improvements and modifications.

NEVADA IRRIGATION DISTRICT
Senior Hydroelectric Maintenance Technician

4. Provide and coordinate staff training; work with employees to correct deficiencies.
5. Conduct tailgate safety meetings to ensure that all safety procedures, including but not limited to, confined space, fall protection, and hazardous materials are adhered to.
6. Maintain detailed records and reports of maintenance activities; maintain maintenance schedules.
7. Form and pour concrete for the construction and repair of foundations, flumes, dams; perform the most complex carpentry repairs to overhead wooden flumes and related facilities.
8. Assist in the repair and maintenance of powerhouses; independently perform related routine powerhouse maintenance tasks.
9. Safely operate equipment over snow such as snowmobiles and snow cats. Helicopter flights may be required for inspections and completion of tasks.
10. Perform skilled welding, cutting, brazing and soldering techniques using shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW), gas metal arc welding (GMAW), and oxy acetylene for welding repairs to facilities and construction related equipment.
11. Perform preventative and corrective maintenance associated with water conduits, hydroelectric powerhouses, including mobile and heavy equipment.
12. Clear trash racks and remove fallen trees and debris from canals, lakes and roads. Remove vegetation, clear trees, and maintain District right of ways.
13. Perform carpentry, plumbing, welding, and other maintenance duties in support of hydroelectric facilities.
14. Follow procedures and ability to safely work in electrical substations while wearing appropriate arc rated clothing and personal protective equipment (PPE).
15. Identify equipment needs for assigned work; check equipment for safe handling and use, and deliver to and return equipment from work sites, ensuring compliance with transit requirements.
16. Perform complex rigging duties for all types of repairs and installations, ensuring safe and proper use of equipment.
17. Assist with the development and modification of the preventative maintenance schedule.
18. Estimate time, materials and equipment required for assigned jobs; order equipment, materials and supplies necessary.

NEVADA IRRIGATION DISTRICT
Senior Hydroelectric Maintenance Technician

19. Perform the most difficult civil work related to the installation, maintenance, troubleshooting and repair of District hydroelectric facilities.
20. Build and maintain positive working relationships with co-workers, other District employees and the public using principles of good customer service.
21. Perform related duties as assigned.

QUALIFICATIONS

Knowledge of:

Principles and practices of technical and functional supervision.
Methods and techniques used in evaluating site conditions for safe and effective equipment operation.
Advanced construction practices, tools and materials used in the repair and maintenance of hydroelectric facilities.
Proper application of and safe use of a variety of hand tools, power tools, and welding equipment.
Pertinent Federal, State and local laws, codes and regulations.
Basic record keeping procedures.
Modern office equipment including use of applicable computer applications.

Ability to:

Provide technical and functional supervision over assigned staff; effectively train staff.
Operate and use light to heavy construction equipment related to the construction, maintenance and repair of District hydroelectric facilities.
Perform the most complex duties related to construction and maintenance tasks associated with the District's hydroelectric facilities.
Perform inspection of and maintenance work on construction equipment and tools.
Perform heavy manual labor for extended periods.
Work at heights using fall protection and appropriate PPE.
Operate and use modern office equipment including a computer and applicable software.
Establish and maintain effective working relationships with those contacted in the course of work.
Communicate clearly and concisely, both orally and in writing.

Responsibility to:

Obey safe work practices, procedures, and regulations including wearing protective equipment and safety devices.
Operate equipment in a careful and safe manner.
Acknowledge the use of safeguards by other employees.
Report any removal, displacement, damage, destruction, or tampering of safety devices, safeguards, notices or warnings.

NEVADA IRRIGATION DISTRICT
Senior Hydroelectric Maintenance Technician

Report any safety risks or hazards to your supervisor or other management personnel.
Report to your supervisor or other management personnel any work assignment that you feel would require you to perform the work in an unsafe manner.

EXPERIENCE AND EDUCATION GUIDELINES

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Experience:

Two years of responsible journey experience similar to a Hydroelectric Maintenance Technician II with the Nevada Irrigation District.

Education:

Equivalent to completion of the twelfth grade supplemented with industrial or construction maintenance coursework, apprenticeship or certification.

License and Certificate:

Possession of a valid class A driver's license
Possession of certification as a Certified Crane Operator
Possession of certification as a forklift operator

WORKING CONDITIONS

Environmental Conditions:

Work is performed in an outdoor environment on a year-round basis subject to outdoor weather conditions including extreme heat and cold and to wet, humid conditions, fumes and/or airborne particles. Duties may be performed near moving mechanical parts and on slippery and uneven surfaces with exposure to toxic or caustic chemicals and risk of electric shock.

Physical Conditions:

Essential functions may require maintaining mental condition necessary to sit while driving a piece of equipment; stand and walk while performing maintenance activities; bend and twist to adjust equipment; kneel and squat to review work; climb ladders or climb up on to heavy equipment to begin operations; perform simple and power grasping, pushing, pulling, and fine manipulation; and lift or carry weight of 75 pounds or less; push, pull or torque up to 150 pounds.

NEVADA IRRIGATION DISTRICT
Senior Hydroelectric Maintenance Technician

Mental Conditions:

Essential functions may require maintaining physical condition necessary to know and understand operations and maintenance activities and observe safety rules; intermittently, analyze problem equipment; identify safety hazards; locate equipment; interpret work orders; remember how to operate equipment; explain job to other employees; handle conflict.