FALLBROOK PUBLIC UTILITY DISTRICT
BOARD OF DIRECTORS
SPECIAL BOARD MEETING

NOTICE AND AGENDA

MONDAY, FEBRUARY 4, 2019
1:00 P.M.

FALLBROOK PUBLIC UTILITY DISTRICT
990 E. MISSION RD., FALLBROOK, CA 92028
PHONE: (760) 728-1125

If you have a disability and need an accommodation to participate in the meeting, please call the Secretary at (760) 999-2704 for assistance so the necessary arrangements can be made.

Writings that are public records and are distributed during a public meeting are available for public inspection at the meeting if prepared by the local agency or a member of its legislative body or after the meeting if prepared by some other person.

I. PRELIMINARY FUNCTIONS

CALL TO ORDER / ROLL CALL / ESTABLISH A QUORUM

PLEDGE OF ALLEGIANCE

APPROVAL OF AGENDA

PUBLIC COMMENT
Members of the public are invited to address the Board of Directors on any item that is within the subject matter jurisdiction of the legislative body. The Board President may limit comments to three (3) minutes.

II. ACTION / DISCUSSION CALENDAR ----------(ITEM A)

A. CONSIDER MECHANICAL TECHNICIAN JOB DESCRIPTION REVISIONS; RESOLUTION NO. 4956

Recommendation: That the Board adopt Resolution No. 4956 approving the proposed changes to the Mechanical Technician job description.

ADJOURN TO CLOSED SESSION

III. CLOSED SESSION ---------- (ITEM 1)

1. CONFERENCE WITH LABOR NEGOTIATORS PURSUANT TO GOVERNMENT CODE SECTION 54957.6:

Agency Designated Negotiators: Mark Bresee of Atkinson, Andelson, Loya, Ruud and Romo

Employee Organizations: Fallbrook Public Utility District Employees' Association; Fallbrook Management Employees' Association

RECONVENE TO OPEN SESSION

REPORT FROM CLOSED SESSION (*As Necessary*)

IV. ADJOURNMENT OF MEETING

* * * * *

DECLARATION OF POSTING

I, Mary Lou West, Secretary of the Board of Directors of the Fallbrook Public Utility District, do hereby declare that I posted a copy of the foregoing agenda in the glass case at the entrance of the District Office located at 990 East Mission Road, Fallbrook, California, at least 24 hours prior to the meeting in accordance with Government Code § 54956.

I, Mary Lou West, further declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct.

January 30, 2019
Dated / Fallbrook, CA

Mary Lou West
Secretary, Board of Directors

MEMO

TO: Board of Directors
FROM: Lisa Chaffin, Human Resources Manager
DATE: February 4, 2019
SUBJECT: Mechanical Technician Job Description Revisions; Resolution No. 4956

Purpose

To obtain approval for the proposed revisions to the job description for the District's Mechanical Technician job classification to allow staff to open a recruitment in the near future.

Summary

The recent, January 31, resignation of the employee who held the Mechanical Technician position since 2016 prompted a thorough review of the duties, responsibilities and qualifications of the position.

The proposed changes to the job description more adequately describe the current and projected scope of duties of the position.

Budgetary Impact

There is no budgetary impact as no change in compensation is being proposed.

Recommended Action

That the Board approve the proposed changes to the Mechanical Technician job description.

MECHANICAL TECHNICIAN

Definition

Under direction, works in the lead capacity in the more complex and difficult work of staff responsible for the installation, maintenance, inspection and servicing of mechanical equipment, components, machinery and facilities association with the pumping, storage and delivery of potable, reclaimed and wastewater; and performs related work as required. This job requires the incumbent ~~you~~ to work closely with outside companies to identify and secure specialty parts and materials as needed.

Class Characteristics

The Mechanical Technician performs advanced level preventive and predictive mechanical maintenance, as well as mechanical installation and repair. Incumbents require little supervision and ~~and~~ also direct the activities of the Plant Maintenance Worker~~..~~. Incumbents are regularly assigned to train lower level personnel in the performance of specified work. Incumbent ~~C~~coordinates work with other departments and outside companies ~~and staff~~ frequently.

Positions at this level perform work which has considerable variation and which requires the application of judgment in the selection of appropriate work methods, materials and procedures. Incumbents receive general instructions when tasks are assigned and are expected to determine the appropriate procedures and materials necessary to complete the project unless significant unanticipated problems are encountered. Incumbents at the Mechanical Technician level assign, check, guide, correct, train and participate fully in the work of subordinates. Incumbents do not hire, evaluate or discipline subordinates. Incumbents are expected to advise the supervisor of staff performance and/~~. problems~~or problems observed. This position is obtained through certification, training and experience.

Examples of Duties

- Plans, leads, ~~and~~ reviews the work of, and ~~staff~~trains staff on ~~responsible for~~ the maintenance, operation, diagnostic testing, installation and repair of technical maintenance and repair involved in the District's boosters, water and wastewater treatment plants, sewage lift stations, wastewater collection systems and related support equipment, including the following: [1]. ~~; trains assigned employees in their areas of work including boosters, water and wastewater treatment plants, sewage lift stations, wastewater collection systems maintenance methods, procedures, and techniques[1]; supervises the use, care, and operation of boosters, water and wastewater treatment plants, sewage lift stations and wastewater collection systems maintenance equipment including crane~~Crane truck, multi-meters, mego meters, amp meters, and loop calibrator[1]. ;
- ~~P~~performs the installation of electrical and mechanical equipment including pumps, motors, valves, solenoids, timers;
- ~~I~~installs and maintains mechanical seals, seal fluid filters, lighting fixtures, receptacles, switches, fuses, bearings and gaskets[2]; ~~oversees and~~

~~participates in diagnosing and performing corrective action involving boosters, water and wastewater treatment plants, sewage lift stations, and wastewater collection systems malfunctions using a variety of specialized tools and testing/diagnostic instrumentation[1]; maintains, and performs repairs at all District boosters, water and wastewater treatment plants, sewage lift stations, wastewater collection systems[1]~~;

- Ceoordinates and performs repair operations, equipment replacement and related special projects ~~with, and as directed~~as directed by, supervisor[2];
- Mmaintains records and prepares a variety of reports including time and supplies/materials ~~relevant~~. Also, maintains and organizes preventative maintenance tasks in a computer maintenance management system. ~~to collections system, wastewater treatment and pumping system operations[1]~~;
- Keeps maintenance shop organized and orderly;
- ~~Ooversees and p~~Participates in troubleshooting and maintaining stand-by power generation systems, transfer switches and related components[1];
- Provides maintenance support to other departments such as Collections, Water, Systems and Construction when needed;

Bbends and installs electrical conduit and pulls wire for power above and below ground[2]~~responsible for preventive/predictive maintenance program functions including the maintenance, repair service and overhaul activities on pumping stations, water/wastewater treatment plants and other equipment related to the production, pumping,~~

~~storage and delivery of potable, reclaimed water and wastewater[1]; ensures maximum performance and efficiency of equipment[1]uses diagnostic, analytical and measurement instrumentation/tools[1]; verifies the work of assigned employees for accuracy, proper work methods, techniques, and compliance with applicable standards and specifications and~~

- Eensures adherence to safe work practices and procedures[1];
- Ddiagnoses well and booster pumping station operation using specialized tools and ~~testing/diagnostic~~ instrumentation[1];
- Ttroubleshoots pumps and motors and makes appropriate adjustments and repairs[1]; inspects, maintains and repairs hydraulic and pneumatic systems[1]; installs, modifies, inspects and maintains piping associated with and water pumping stations[1];
- Rreads, understands, interprets and works from blueprints, plans, schematics, diagrams and maps as related to pumping stations and hydraulic control equipment[1]; ~~may assist supervisor in department budget preparation[1]~~;
- Pperforms confined space and permit required confined space entry as defined by the California Code of Regulations ~~Title 8, General Industry Safety Orders, Section 5157 and Federal OSHA Standard 29 CFR 1910.146~~. Has designated authority to complete re- entry checklists, perform atmospheric testing and evaluation of various entry conditions and situations ~~as outlined in Appendix C to the above referenced regulations[1]~~;

- Pperforms preventative mechanical maintenance by inspecting and cleaning equipment, changing out lubricating fluids, repacking bearings, adjusting and replacing belts, gear boxes, pistons, filters, valves, gaskets, and other related parts[2];
- Ceonducts equipment evaluation using diagnostic monitors such as alignment gauges, megor and vibration monitoring equipment and infrared thermal imaging devices[1];
- -Pperforms corrective mechanical maintenance by troubleshooting cause of malfunction using visual inspection and precision measuring and testing instruments, -and then replacing or repairing broken parts such as gauges, gaskets, plugs, coils, wires, bearings, valves, pistons, rings, crankshafts, and pumps[1];
- Rrebuilds equipment by disassembling, cleaning, and repairing mechanical malfunctions; reassembles and tests equipment to ensure that it is in proper working condition[2]; installs and troubleshoots new electromechanical equipment and tests for proper operation[2];
- Rresponds to plant and field emergencies and problems as required as well as responds to after hour emergencies as able[1];
- Ooperates and maintains a variety of hand tools, power tools, pneumatic tools, and other equipment in the performance of assigned mechanical duties[2];
- Ddefines and enters into a computer program the scheduled maintenance and repair~~task descriptions on horizontal, centrifugal and deep well type turbine pumps, engines, motors and other mechanical or electrical equipment[1]; works with other water and wastewater staff and sub-contractors in performing maintenance duties as necessary including electrical and electronic repairs and maintenance[1]; orders replacement parts to perform maintenance and repairs as necessary[1]; performs;~~
- Performs field inventories and verifies equipment nameplate date[1]; provides as-built changes on plans for records[1];
- ~~esponds to public inquiries in a courteous manner[2]; provides information within the area of assignment[1]; resolves complaints in an efficient and timely manner[2];~~ Pperforms related duties as required.

Knowledge of:

- Operations, services, and activities of both ~~a~~ water and wastewater maintenance and repair ~~program~~;
- Welding methods, including types of metal, and reading and interpreting blue prints and drawings to determine the specific welding requirements;
- Principles of lead supervision and training; ~~Basic~~ Intermediate level of electrical and mechanical practices;
- ~~Advanced Basic p~~Principles of preventive and predictive maintenance programs;

- Principles, methods, materials, tools and equipment required for installation, maintenance, diagnosinges, and repair of potable and reclaimed water pumps, and operation and maintenance of booster pumping stations;
- Principles, methods, materials, tools and equipment used in the maintenance and repair of pumps, valves, pump drive gear heads, gear reduction boxes, engines, and motors; Operational characteristics of both water and wastewater treatment plant systems and equipment;
- Advanced methods and techniques of performing diagnostic troubleshooting services; Operational characteristics of tools and equipment used in pump maintenance activities;
- Principles of hydrology and hydraulics;
- Proper procedures used in the maintenance and repair of hand and power tools;
- Operating characteristics of computers and applicable software applications;
- ~~Principles and practices of record keeping;~~
- Occupational hazards and standard safety practices;
- ~~Pertinent federal, state, and local laws, codes, and regulations; English usage, oral and written;~~
- ~~Mathematics application to the water/wastewater trade;~~
- Tools, equipment and methods used in the repair and maintenance of pumps, valves and pipeline equipment;
- Safety precautions pertaining to the work, particularly relating to the operation of basic electrical pumps and motors.

Ability to:

- Independently perform the most difficult maintenance, trouble-shooting and repair activities on all types of designs of pumps, valves, electronic valve actuating equipment, and complex chemical injection systems.

~~maintenance equipment;~~
~~Interpret, explain, and enforce department policies and procedures;~~

- Weld, fabricate and cut metal for purposes of equipment modification and design at the water reclamation plant and for the District.~~Cut, weld and fabricate metal for the Water Reclamation Plant and the District~~;
- ~~Work independently to design solutions throughout the plant and District;~~
- Perform a variety of tasks involving the installation, construction, maintenance and repair associated with booster pumps, pumping stations, sewer lift stations, and reservoirs; Troubleshoot, repair, and maintain a variety of electro/ mechanical equipment in the water/wastewater treatment plants;
- Accurately diagnose mechanical repair needs;
- ~~Effectively lead the Plant Maintenance Worker;~~
- Operate a variety of maintenance and repair equipment in a safe and effective manner;
- Test, make repairs to, and perform preventive maintenance on motors, pumps, valves and other equipment used in wastewater and water

treatment plants;

- Read and understand technical manuals, blueprints, electrical diagrams and schematics, shop drawings, and sketches;
- Perform heavy manual labor;
- Perform assigned work in accordance with appropriate safety practices and regulations;
- Maintain a variety of repair records;
- Work independently in the absence of supervision;
- Understand and follow oral and written instructions;
- Communicate clearly and concisely, both orally and in writing;
- Use a computerized maintenance management system for scheduling, tracking and analyzing all work performed on equipment;
- Comply with Cal-OSHA respirator facemask fit test requirements; Use Self Contained Breathing Apparatus (SCBA);
- Establish and maintain effective relationships with those contacted in the course of work.

License and Certification

- Possession of a valid and appropriate California driver's license;
- Possession of American Welding Society ~~6G~~ Certification at hire or within 6-months of hire.~~;~~

~~Possession of current certification as HAZWOPER (Hazardous Materials Responder Training [24 hours]);~~

- Possession of a Grade I Plant Maintenance Technologist certification at hire or issued by the CWEA within one year of hire;

Possession of a Grade II (PM) Mechanical Technologist certification at hire or issued by the CWEA within

two years of hire;

- Possession of a Grade I Wastewater Treatment Plant Operator ~~certification~~ certification is desirable.

~~within two years of hire; Possession of a Grade III (PM) Mechanical Technologist certification issued by the CWEA; Electrical/Instrumentation Certification issued by the CWEA is desirable; and~~

Water Distribution Operator Grade I certification is desirable.~~;~~ ~~:~~

- ~~CWEA Mechnical Technologist Grade I is desirable;~~

~~Any combination of ASE Certified Mechanic Certifications are also desirable.~~

Training and Experience

Any combination of training, education, and experience which demonstrates possession of the knowledge and abilities stated above and the ability to perform the duties of the position. A typical qualifying entrance background is five years of increasingly responsible experience in the installation, maintenance and repair of pumps, and other major mechanical equipment common to a water/wastewater

system.

Physical Demands:

Walking:	Moves about on foot often through uneven terrain.
Carrying:	Transports objects by holding them in hands or arms.
Handling:	Seizes, holds or works with hands; specifically operating valves, adjusting control knobs, hand and power tools, computer, and calculator.
Lifting:	Raises and lowers pumps, motors, hoses, and miscellaneous awkward objects.
Reaching:	Extends hands and arms in any direction.
Pulling:	Manipulates hoses up to four inches in diameter and up to forty feet in length.
Stooping:	Bends body downward and forward by bending at the knees or waist. Climbing: Ascends and descends ladders up to 50 feet in height.
Vision:	Reads work tickets, meters, meter dials, reservoir levels, data sheets, video messages, scales and gauges and operates District vehicles.
Sitting:	Drives (often over rough terrain) and sits in District vehicles for up to four hours per day.
Talking:	Communicates by radio and in person.
Hearing:	Hears well enough to receive communication by radio and in person.

Physical Strength

Lifting: Up to 50 pounds; infrequent exertion.
Dragging/Pushing: Up to 100 pounds; infrequent exertion.

Environmental Conditions

Noise: Works in conditions with constant or intermittent noise. Temperature/Weather: Works outside with variations of temperature and weather.

This position may include periodic to frequent disagreeable working conditions including odorous environment, dirt, fumes, vibration, heat, cold, dampness, sewage, wastewater solids and hazardous chemicals.

Protective Devices Required

Welding hood, leather welding jacket, h~~H~~ard hat, gloves, safety shoes, District uniform, respirator, hearing protection, safety glasses, chemical suits~~., rain gear and seat belt.~~

SALARY RANGE: 28 No Certification

29 ~~Plant Maintenance Technologist Grade I~~ American Welding Society Certification

30 ~~(PM) Mechanical Technologist Grade II and~~ American Welding Society Certification and Wastewater Treatment Plant Operator Grade I or Water Distribution Grade I.

31 ~~(PM) Mechanical Technologist Grade III and Wastewater~~American Welding Society Certification, and Water Distribution Grade I, and Wastewater Treatment Plant Operator 1.

~~Treatment Plant Operator Grade I (Target Range)~~

Board Approved Effective Date 2/15
Board Approved Revision Date

RESOLUTION NO. 4956

RESOLUTION OF THE BOARD OF DIRECTORS OF THE FALLBROOK PUBLIC UTILITY DISTRICT AMENDING THE ADMINISTRATIVE CODE–ARTICLE 11, PERSONNEL REGULATIONS

* * * * *

WHEREAS, the District's Mechanical Technician recently resigned prompting a thorough review of the duties, responsibilities, and qualifications of the position; and

WHEREAS, as a result staff developed proposed changes to the Mechanical Technician job description to more adequately describe the current and projected scope of duties of the position.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Fallbrook Public Utility District as follows:

1. That the Board approves the proposed revisions to Article 11 set forth in Exhibit "A" and incorporated herein to change the Mechanical Technician job description.

2. The remaining provisions of Article 11 are unaffected and reconfirmed hereby.

PASSED AND ADOPTED by the Board of Directors of the Fallbrook Public Utility District at a special meeting of the Board held on the 4th day of February, 2019, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

_____
President, Board of Directors

ATTEST:

_____
Secretary, Board of Directors

Exhibit “A”

MECHANICAL TECHNICIAN

Definition

Under direction, works in the lead capacity in the more complex and difficult work of staff responsible for the installation, maintenance, inspection and servicing of mechanical equipment, components, machinery and facilities association with the pumping, storage and delivery of potable, reclaimed and wastewater; and performs related work as required. This job requires the incumbent to work closely with outside companies to identify and secure specialty parts and materials as needed.

Class Characteristics

The Mechanical Technician performs advanced level preventive and predictive mechanical maintenance, as well as mechanical installation and repair. Incumbents require little supervision and also direct the activities of the Plant Maintenance Worker. Incumbents are regularly assigned to train lower level personnel in the performance of specified work. Incumbent coordinates work with other departments and outside companies frequently.

Positions at this level perform work which has considerable variation and which requires the application of judgment in the selection of appropriate work methods, materials and procedures. Incumbents receive general instructions when tasks are assigned and are expected to determine the appropriate procedures and materials necessary to complete the project unless significant unanticipated problems are encountered. Incumbents at the Mechanical Technician level assign, check, guide, correct, train and participate fully in the work of subordinates. Incumbents do not hire, evaluate or discipline subordinates. Incumbents are expected to advise the Chief Plant Operator of staff performance and/or problems observed.

Examples of Duties

- Plans, leads, reviews the work of, and trains staff on the maintenance, operation, diagnostic testing, installation and repair of technical maintenance and repair involved in the District's boosters, water and wastewater treatment plants, sewage lift stations, wastewater collection systems and related support equipment, including the following: crane truck, multi-meters, mego meters, amp meters, and loop calibrator.
- Performs the installation of electrical and mechanical equipment including pumps, motors, valves, solenoids, timers;
- Installs and maintains mechanical seals, seal fluid filters, lighting fixtures, receptacles, switches, fuses, bearings and gaskets; ;;
- Coordinates and performs repair operations, equipment replacement and related special projects as directed by, supervisor;
- Maintains records and prepares a variety of reports including time and supplies/materials. Also, maintains and organizes preventative maintenance tasks in a computer maintenance management system.;
- Keeps maintenance shop organized and orderly;
- Participates in troubleshooting and maintaining standby power generation systems, transfer switches and related components;

- Provides maintenance support to other departments such as Collections, Water, Systems and Construction when needed;
- Bends and installs electrical conduit and pulls wire for power above and below ground;
- Ensures adherence to safe work practices and procedures;
- Diagnoses well and booster pumping station operation using specialized tools and instrumentation;
- Troubleshoots pumps and motors and makes appropriate adjustments and repairs; inspects, maintains and repairs hydraulic and pneumatic systems; installs, modifies, inspects and maintains piping associated with and water pumping stations;
- Reads, understands, interprets and works from blueprints, plans, schematics, diagrams and maps as related to pumping stations and hydraulic control equipment;;
- Performs confined space and permit required confined space entry as defined by the California Code of Regulations. Has designated authority to complete re-entry checklists, perform atmospheric testing and evaluation of various entry conditions and situations;
- Performs preventative mechanical maintenance by inspecting and cleaning equipment, changing out lubricating fluids, repacking bearings, adjusting and replacing belts, gear boxes, pistons, filters, valves, gaskets, and other related parts;
- Conducts equipment evaluation using diagnostic monitors such as alignment gauges, megor and vibration monitoring equipment and infrared thermal imaging devices;
- Performs corrective mechanical maintenance by troubleshooting cause of malfunction using visual inspection and precision measuring and testing instruments, and then replacing or repairing broken parts such as gauges, gaskets, plugs, coils, wires, bearings, valves, pistons, rings, crankshafts, and pumps;
- Rebuilds equipment by disassembling, cleaning, and repairing mechanical malfunctions; reassembles and tests equipment to ensure that it is in proper working condition; installs and troubleshoots new electromechanical equipment and tests for proper operation;
- Responds to plant and field emergencies and problems as required as well as responds to after hour emergencies as able;
- Operates and maintains a variety of hand tools, power tools, pneumatic tools, and other equipment in the performance of assigned mechanical duties;
- Defines and enters into a computer program the scheduled maintenance and repair;
- Performs field inventories and verifies equipment nameplate date; provides as-built changes on plans for records; and
- Performs related duties as required.

<u>Knowledge of:</u>

- Operations, services, and activities of both water and wastewater maintenance and repair;
- Welding methods, including types of metal, and reading and interpreting blue prints and drawings to determine the specific welding requirements;
- Principles of lead supervision and training;
- Intermediate level of electrical and mechanical practices;
- Principles of preventive and predictive maintenance programs;
- Principles, methods, materials, tools and equipment required for installation, maintenance, diagnosing, and repair of potable and reclaimed water pumps, and operation and maintenance of

booster pumping stations;

- Principles, methods, materials, tools and equipment used in the maintenance and repair of pumps, valves, pump drive gear heads, gear reduction boxes, engines, and motors;
- Operational characteristics of both water and wastewater treatment plant systems and equipment;
- Advanced methods and techniques of performing diagnostic troubleshooting services;
- Operational characteristics of tools and equipment used in pump maintenance activities;
- Principles of hydrology and hydraulics;
- Proper procedures used in the maintenance and repair of hand and power tools;
- Operating characteristics of computers and applicable software applications;
- Occupational hazards and standard safety practices;
- Tools, equipment and methods used in the repair and maintenance of pumps, valves and pipeline equipment; and
- Safety precautions pertaining to the work, particularly relating to the operation of basic electrical pumps and motors.

Ability to:

- Independently perform the most difficult maintenance, troubleshooting and repair activities on all types of designs of pumps, valves, electronic valve actuating equipment, and complex chemical injection systems.
- Weld, fabricate and cut metal for purposes of equipment modification and design at the water reclamation plant and for the District.;
- Work independently to design solutions throughout the plant and District;
- Perform a variety of tasks involving the installation, construction, maintenance and repair associated with booster pumps, pumping stations, sewer lift stations, and reservoirs;
- Troubleshoot, repair, and maintain a variety of electro/ mechanical equipment in the water/wastewater treatment plants;
- Accurately diagnose mechanical repair needs;
- Operate a variety of maintenance and repair equipment in a safe and effective manner;
- Test, make repairs to, and perform preventive maintenance on motors, pumps, valves and other equipment used in wastewater and water treatment plants;
- Read and understand technical manuals, blueprints, electrical diagrams and schematics, shop drawings, and sketches;
- Perform heavy manual labor;
- Perform assigned work in accordance with appropriate safety practices and regulations;
- Maintain a variety of repair records;
- Work independently in the absence of supervision;
- Understand and follow oral and written instructions;
- Communicate clearly and concisely, both orally and in writing;
- Use a computerized maintenance management system for scheduling, tracking and analyzing all work performed on equipment;
- Comply with Cal-OSHA respirator facemask fit test requirements;
- Use Self Contained Breathing Apparatus (SCBA); and
- Establish and maintain effective relationships with those contacted in the course of work.

License and Certification

- Possession of a valid and appropriate California driver's license;

- Possession of American Welding Society Certification at hire or within 6-months of hire.
- Possession of a Grade I Plant Maintenance Technologist certification at hire or issued by the CWEA within one year of hire;
- Possession of a Grade II (PM) Mechanical Technologist certification at hire or issued by the CWEA within two years of hire;
- Possession of a Grade I Wastewater Treatment Plant Operator certification is desirable.
- Water Distribution Operator Grade I certification is desirable.

Training and Experience

Any combination of training, education, and experience which demonstrates possession of the knowledge and abilities stated above and the ability to perform the duties of the position. A typical qualifying entrance background is five years of increasingly responsible experience in the installation, maintenance and repair of pumps, and other major mechanical equipment common to a water/wastewater system.

Physical Demands:

Walking:	Moves about on foot often through uneven terrain.
Carrying:	Transports objects by holding them in hands or arms.
Handling:	Seizes, holds or works with hands; specifically operating valves, adjusting control knobs, hand and power tools, computer, and calculator.
Lifting:	Raises and lowers pumps, motors, hoses, and miscellaneous awkward objects.
Reaching:	Extends hands and arms in any direction.
Pulling:	Manipulates hoses up to four inches in diameter and up to forty feet in length.
Stooping:	Bends body downward and forward by bending at the knees or waist. Climbing: Ascends and descends ladders up to 50 feet in height.
Vision:	Reads work tickets, meters, meter dials, reservoir levels, data sheets, video messages, scales and gauges and operates District vehicles.
Sitting:	Drives (often over rough terrain) and sits in District vehicles for up to four hours per day.
Talking:	Communicates by radio and in person.
Hearing:	Hears well enough to receive communication by radio and in person.

Physical Strength

Lifting:	Up to 50 pounds; infrequent exertion.
Dragging/Pushing:	Up to 100 pounds; infrequent exertion.

Environmental Conditions

Noise:	Works in conditions with constant or intermittent noise.
Temperature/Weather:	Works outside with variations of temperature and weather.

This position may include periodic to frequent disagreeable working conditions including odorous environment, dirt, fumes, vibration, heat, cold, dampness, sewage, wastewater solids and hazardous chemicals.

Protective Devices Required

Welding hood, leather welding jacket, hard hat, gloves, safety shoes, District uniform, respirator, hearing protection, safety glasses, and chemical suits.

SALARY RANGE:	28	No Certification
	29	American Welding Society Certification
	30	American Welding Society Certification and Wastewater Treatment Plant Operator Grade I or Water Distribution Grade I
	31	American Welding Society Certification, and Water Distribution Grade I, and Wastewater Treatment Plant Operator 1

Board Approved Effective Date 2/15
Board Approved Revision Date