



CLEAN WATER SERVICES
invites applications for the position of:

Field Engineer - Inspection

SALARY: \$41.46 - \$57.01 Hourly

OPENING DATE: 10/16/20

CLOSING DATE: 11/09/20 05:00 PM

THE POSITION:

The Water Resource Recovery Operations & Services Department is seeking a Field Engineer - Inspection. This position performs electrical inspections of new construction by outside electrical contractors and staff electricians to ensure compliance with contract document requirements, District standards, the National Electrical Code, and other relevant governing statutes, regulations, guidelines, and standards. The candidate selected will serve as a Signing Supervisor for the Master Permit Inspection Program and will be responsible for managing small electrical repair and modification in-house projects.

ESSENTIAL FUNCTIONS:

(The essential functions listed below are not intended to reflect all duties that may be assigned to this classification. The District may augment duties and/or essential functions at its discretion. Additionally, some incumbents may not perform all Essential Functions.)

1. Inspect new construction for compliance with contract document requirements, District standards, the National Electrical Code, and other relevant governing statutes, regulations, guidelines, and standards. Prepare punch lists documenting construction deficiencies, review contractor change orders, review record drawings, and administer the warranty program for electrical equipment.
2. Perform duties as a Signing Supervisor (OAR 918-280-0015) for the Master Permit Electrical Permit with Washington County and the City of Hillsboro and any other municipality as needed. These duties will include filing Plan Review documents, inspection of work installed by District staff, managing the Master Permit log, and represent the District during the County or City Inspectors site visits.
3. Manage small in-house electrical repair and modification projects.
4. Replace, maintain, test, troubleshoot, modify, and repair power distribution systems, including transformers, power distribution panels, power services, and circuit breakers; electrical equipment associated with pumping systems, including motors, variable frequency drives, generators, switches, instrumentation and control equipment including sensors, transmitters, monitors, recorders, detectors, flowmeters, controllers, and motor control centers. Test power circuit breakers by primary or secondary current injection. Test protective relays. Design and building of control panels, test station and temporary control circuiting.
5. Serve as liaison to consultants, contractors, and vendors; assist in the selection of consultants and contractors; administer contracts; provide project support; oversee work performed; monitor contract expenditures.
6. Participate in the development and implementation of and departmental policies, procedures, goals, objectives, and strategic initiatives as they relate to the installation, maintenance, and repair of the electrical and electronic equipment, machinery and instrumentation in treatment

plants, and remote pump stations.

7. Oversees, organizes, assigns, and reviews staff's work. Develops performance standards. Prepares performance evaluations. Provides coaching and prepares development plans. Assures compliance with District safety practices and procedures.

QUALIFICATIONS:

KNOWLEDGE OF:

- Methods, materials, tools, and testing equipment of the electrical trade
- Advanced electrical principles, formulas, and practices for installation, maintenance, troubleshooting and repair of electrical and electronic industrial equipment, parts, machinery, and control circuits
- Pertinent Federal, State, and local laws, codes and regulations related to the following: National Electrical Code NFPA 70, State of Oregon Electrical Specialty Code, Master Permit Inspection Program (OAR 918-309-0100), National Fire Protection Association codes, NFPA 70E, Underwriters Laboratories White Book, and NETA testing standards.

In addition to the knowledge listed above, some positions may require the following knowledges:

Knowledge of:

- Experience as a lead worker, team leader, or crew leader; supervision over technical staff

SKILL IN:

- Interpreting National Electrical Code, and State of Oregon Electrical Specialty Code, Master Permit Inspection Program (OAR 918-309-0100), District standards
- Explaining plans, drawing, schematics, and specifications
- Analyzing problems
- Use of computers and computer software including word processing, spreadsheets, and equipment interface programs

In addition to the skills listed above, some positions may require the following skills:

Skill in:

- Planning, organizing, directing and reviewing the work of skilled technical personnel
- Supervising, training, disciplining and evaluating staff

ABILITY TO:

- Write project progress logs, electrical code or specification deficiency reports to Engineer or Project Managers
- Equipment testing and evaluation reports, and small project scope of work contracts
- Reading and interpreting electrical drawings, diagrams, specifications, and manuals
- Planning and testing procedures
- Determining the proper kind and type of parts and equipment needed for system installation and repair
- Establishing and maintaining effective working relationships with those contacted in the course of work
- Work effectively in a team environment
- Communicate clearly and concisely, both orally and in writing

EXPERIENCE AND TRAINING GUIDELINES:

Any combination of experience and training that would likely provide the required Knowledge, Skills, and Abilities is qualifying. A typical way to obtain the KSAs would be:

Increasingly responsible experience as an Electrician in commercial and industrial environments; wastewater treatment plant experience is desired.

Training in the National Electrical Code, and the Oregon Electrical Specialty Code. Some positions may require experience as a project leader, lead worker, team leader, crew leader, or supervisor.

CERTIFICATION AND LICENSURE REQUIREMENTS:

Upon selection candidates must possess and maintain a valid State issued driver's license.

Must possess a State of Oregon Electrical Supervisor License at time of appointment.

ADDITIONAL INFORMATION:

Reasonable Accommodation

Applicants who require reasonable accommodation in order to participate in any phase of the application process should contact Human Resources at 503.681.3600 or TDD 503.681.3601.

Equal Employment Opportunity

Clean Water Services is an Equal Opportunity Employer and does not discriminate on the basis of race, religion, gender, national origin, marital status, age, uniformed service, sexual orientation or disability in the admission or access to the recruitment process or any aspect of employment.

APPLICATIONS MAY BE FILED ONLINE AT:

<http://www.cleanwaterservices.org>

2550 SW Hillsboro Highway
Hillsboro, OR 97123
503.681.3600

Position #20-31
FIELD ENGINEER - INSPECTION
JL

Field Engineer - Inspection Supplemental Questionnaire

* 1. Do you possess a State of Oregon Electrical Supervisor License?

Yes No

* Required Question