

KENNEWICK IRRIGATION DISTRICT JOB DESCRIPTION

INSTRUMENTATION TECHNICIAN

REPORTS TO: Assistant Operations/Maintenance Manager
DATE: June 2024

GENERAL SUMMARY: Under the direction of the Assistant Operations/Maintenance Manager, this position installs and maintains the District's SCADA, radio, and other electronic systems which include all aspects of the system; hardware and software, communications and electrical systems. This position also provides operator support and training.

ESSENTIAL DUTIES

1. Install, repair, and perform preventative maintenance on radio, telemetry systems, and equipment.
2. Install, maintain, and repair electrical wiring and components.
3. Monitor, calibrate, adjust, balance, and program, as necessary or as directed, any and all sensors, transmitters, VFDs, PLCs, RTUs, and other equipment to maintain or meet operational parameters and goals.
4. Requisition repair parts; assist in writing or reviewing equipment specifications.
5. Maintain accurate and current records of the I & C systems including set points, historical records, record drawings, schematics, and shop drawings.
6. Respond to call outs as necessary.
7. Drive District vehicles in the course of duties.
8. Other duties as assigned.
9. This is a safety sensitive position for which impairment while working presents a substantial risk of death.

EDUCATION & EXPERIENCE

1. High school diploma or G.E.D.
2. Two (2) years of technical training in instrumentation and control technology or related field.
3. Four (4) years of related field experience.

QUALIFICATIONS & CERTIFICATIONS

1. First aid and CPR certified.
2. Washington State Flagger certification.
3. Washington State Driver's License
4. An acceptable driving record.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of:

1. Principles and practices of instrumentation and control systems
2. Principles, practices, techniques and instruments used in monitoring, troubleshooting, testing and calibrating I & C equipment and components.
3. Operational principles of RTUs, PLCs and VFDs.
4. Principles and practices of operation software and programming.
5. Two-way and multi point radio systems

Ability to:

1. Interpret I & C engineering plans, specifications, and reports.
2. Read and interpret technical instrumentations and control and electrical drawing.
3. Prepare clear and concise records.
4. Operate a variety of equipment related to assignment.
5. Trouble shooting and diagnosing SCADA and radio problems.
6. PLC programming

WORKING CONDITIONS

1. This position is normally both in an office environment and working outdoors in all weather conditions.
2. Heavy lifting and pulling up to 80 pounds, standing, kneeling, sitting, and climbing.
3. Work will also be done within electrical cabinets and around operating pump stations.
4. Includes climbing radio towers as necessary.

Approved:


Shane Leonard, District Manager

Date: 6/10/24

Confirmed by Board: June 4, 2024