

CLASS SPECIFICATION
County of Fairfax, Virginia

CLASS CODE: 6563

TITLE: INSTRUMENTATION TECHNICIAN II

GRADE: S-19

DEFINITION:

Under general supervision, serves as a skilled journey level instrumentation technician, performing work in the installation, maintenance and repair of instrumentation and electronic equipment; and performs related duties as required.

DISTINGUISHING CHARACTERISTICS OF THE CLASS:

This class performs journey level instrumentation technician work.

ILLUSTRATIVE DUTIES:

(The illustrative duties listed in this specification are representative of the class but are not an all inclusive list. A complete list of position duties and unique physical requirements can be found in the position description.)

Installs, maintains and repairs instrumentation and electronic equipment used in a wastewater treatment plant, pumping/flow metering stations, atmospheric testing, or air monitoring devices used on emergency response vehicles;
Maintains and ensures all calibration and measuring equipment is clean and functioning properly;
Investigates and analyzes equipment failures on multigenerational equipment via monitoring on laptops and visual inspections and corrects any malfunctions;
Performs on-going preventive and corrective maintenance on multigenerational equipment;
Installs new instrumentation when necessary and monitors via laptop;
Maintains records on testing, calibration and repairs of all instruments;
May oversee work of Instrument Technician I;
Performs work in a safe manner according to all regulations, participates in safety training, and reports unsafe conditions.

REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:

(The knowledge, skills and abilities listed in this specification are representative of the class but are not an all inclusive list.)

Knowledge of electronic theory and of the methods and practices of electronic equipment repair;
Knowledge of the functioning and maintenance of process control instrumentation and electronic equipment;
Ability to locate and correct defects in electronic and instrumentation devices;
Ability to read instrumentation data accurately and to maintain records of maintenance/calibration activities per OSHA mandates;
Ability to program, manage and utilize SCADA and related software;
Ability to maintain records of maintenance activities;

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Ability to understand and follow oral and written instructions and work from circuit diagrams and manufacturer's manuals;
Ability to read and interpret schematics, circuit diagrams, and manuals;
Knowledge of safe work practices as they relate to Wastewater Instrumentation work.

EMPLOYMENT STANDARDS:

Any combination of education, training, and experience equivalent to the following:
Graduation from high school, or a GED issued by a state department of education or equivalent including technical/trade school training and two years of experience as an instrumentation technician.

CERTIFICATES AND LICENSES REQUIRED:

Must have and maintain a valid Motor Vehicle Driver's License.

NECESSARY SPECIAL REQUIREMENTS:

Subject to 24 hour call back and must, therefore, be able to work emergency overtime.
Subject to working in adverse weather conditions and may be exposed to raw waste.
Ability to distinguish different color wiring.

REVISED: April 21, 2009
REGRADED: July 1, 2005