

**CLASS SPECIFICATION**  
**County of Fairfax, Virginia**

**CLASS CODE:** 6561

**TITLE:** INSTRUMENTATION TECHNICIAN III

**GRADE:** S-20

**DEFINITION:**

Under general supervision, serves as a skilled master level instrumentation technician, leading instrumentation technicians 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 skilled master level work, including lead work and in the absence of the Supervisor may temporarily assume higher-level supervisory duties.

**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;

Monitors all instrumentation and identifies problems;

Investigates and analyzes equipment failures on multigenerational equipment via monitoring on laptops and visual inspections and corrects any malfunctions;

Performs ongoing preventative, corrective and predictive maintenance for the County's wastewater information technology and automation system (SCADA);

Installs new instrumentation, tests to ensure specifications are met and monitors via laptop;

Calibrates SCADA instruments and meters and keeps them clean;

Maintains records on parts inventory and on testing, hours, calibration and repairs of all instruments;

Leads and provides daily training of the less experienced instrument technicians;

Provides input to Supervisor for performance appraisals.

Responsible for ensuring all subordinates have Safety training and are in compliance at all times.

**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 electronics 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 program, manage and utilize SCADA and related software;

**CLASS CODE:** 6561

**TITLE:** INSTRUMENTATION TECHNICIAN III

**GRADE:** S-20

Page 2

Knowledge of safe work practices as they relate to wastewater instrumentation work;  
Ability to supervise the work of trainee and journeyman instrumentation technicians.

**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 five 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