

INSTRUMENTATION MECHANIC

DISTINGUISHING FEATURES OF THE CLASS: This is skilled work involving responsibility for installing, maintaining, and repairing highly technical electronic and mechanical equipment. Equipment includes instrumentation and communication devices which are part of the automatic operation of the Wastewater Treatment Plant and the Waterworks Plant. The incumbent performs facilities maintenance at the village facilities. The work is performed under general supervision of the Chief Water Treatment Plant Operator or the Chief Wastewater Treatment Plant Operator. Does related duties as required.

TYPICAL WORK ACTIVITIES:

Installs and maintains instrumentation equipment including flow meters, level and pressure sensors, transmitters, receivers, indicators and related equipment;
Installs, repairs and maintains electrical motors, switch gears, transformers, heating and A/C equipment, and other related electrical-mechanical equipment;
Recommends to supervisor, the changes designed to improve the efficiency and economy of the physical plant operation;
Maintains comprehensive and accurate records of maintenance work performed on instrumentation equipment;
May occasionally devise equipment for use within the system.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Thorough knowledge of the operation and functions of instrumentation and communication equipment;
Thorough knowledge of the principles and theories of electricity as applied to instrumentation and communication equipment;
Good knowledge of 3 phase power, distribution of it and Motor Control Circuits;
Skill in the use of tools necessary to maintain and repair such equipment;
Ability to work from plans, specifications and rough sketches;
Ability to follow oral and written instructions;
Initiative and resourcefulness in solving mechanical problems;
Ability to get along with others;
Dependability;
Good judgment.

MINIMUM QUALIFICATIONS:

Graduation from high school or possession of a high school equivalency diploma and

- (A) Four years experience as a skilled electrician, two of which must have involved the maintenance and repair of instrumentation and communication equipment; OR
- (B) Graduation from a New York State registered or regionally accredited two year college with an associate's degree in electronics or closely related field and two years experience as a skilled electrician involving the maintenance and repair of instrumentation and communication equipment; or
- (C) An equivalent combination of training and experience as indicated in (a) and (b) above.

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