

# City and Borough Sitka, Alaska

## Class Specification

<b>Class Title</b>	<b>Water and Wastewater Facilities Electrician</b>
<b>Class Code Number</b>	<b>5155</b>
<b>FLSA Designation</b>	<b>Non-Exempt</b>
<b>Pay Grade and Range</b>	<b>ASEA Bargaining Unit</b>
<b>Effective Date</b>	<b>August 2011</b>

### General Statement of Duties

Maintains all electrical equipment in the Wastewater Treatment Plant, Liftstations and Water Treatment Plant; performs related work as required.

### Distinguishing Features of the Class

The principal function of an employee in this class is to keep the electrical components of wastewater, water and related operations in a working order. The work is performed under the direct supervision of the Environmental Superintendent but considerable leeway is granted for the exercise of independent judgment and initiative. An employee in this class performs the duties of other employees in the Public Works Department as required or as assigned by supervisory personnel. The nature of the work performed requires that an employee in this class establish and maintain effective working relationships with other Department and City employees, outside contractors and the public. The principal duties of this class are performed in wastewater treatment plant and in an outdoor environment which may involve adverse weather conditions and related hazards.

### Examples of Essential Work (Illustrative Only)

- Performs Journeyman-level corrective and preventative maintenance on treatment plant and lift station electrical systems, fixtures, equipment and electronic operating and control systems;
- Maintains accurate and detailed records and inventories of spare parts;
- Designs and installs electrical equipment in the water plant, treatment plant and lift station;
- Loads bank tests and maintains standby generators;
- Provides support to other City departments in electrical repairs;
- Ensures operations run with minimal downtime;
- Operates all equipment used in wastewater treatment and collection systems, including pumps, rotating drum screens, grit separators, clarifiers, belt filter presses, blowers, chlorination and related chemical treatments, control systems, high pressure vacuum cleaners, closed circuit television monitor systems and computer equipment;
- Provides needed information and demonstrations concerning how to perform certain work tasks to new employees in the same or similar class of positions;

- Keeps immediate supervisor and designated others fully and accurately informed concerning work progress, including present and potential work problems and suggestions for new or improved ways of addressing such problems;
- Attends meetings, conferences, workshops and training sessions and reviews publications and audio-visual materials to become and remain current on the principles, practices and new developments in assigned work areas;
- Responds to citizens' questions and comments in a courteous and timely manner;
- Trains, assigns, prioritizes, supervises, motivates and evaluates the work of assigned employees;
- Communicates and coordinates regularly with appropriate others to maximize the effectiveness and efficiency of interdepartmental operations and activities;
- Performs other related duties as assigned.

### Required Knowledge, Skills and Abilities

- Thorough knowledge of standard operating procedures involved in the maintenance and repair of water and wastewater electrical equipment;
- Good knowledge of methods, practices, techniques, equipment, tools, materials and supplies used in water and sludge treatment and operational maintenance and repair;
- Good knowledge of safety regulations, protocols, principles, practices and procedures;
- Good knowledge of the operation of tools used in water and sludge facility maintenance;
- Ability to read and interpret operational procedures, electronic schematics, chemical and gas formulas and warnings, blueprints and plans;
- Ability to remain on call;
- Ability to communicate well with others, both orally and in writing, using both technical and non-technical language;
- Ability to understand and follow oral and/or written policies, procedures and instructions;
- Ability to prepare and present accurate and reliable reports containing findings and recommendations;
- Ability to operate or quickly learn to operate a personal computer using standard or customized software applications appropriate to assigned tasks;
- Ability to use logical and creative thought processes to develop solutions according to written specifications and/or oral instructions;
- Ability to perform a wide variety of duties and responsibilities with accuracy and speed under the pressure of time-sensitive deadlines;
- Ability and willingness to quickly learn and put to use new skills and knowledge brought about by rapidly changing information and/or technology;
- Integrity, ingenuity and inventiveness in the performance of assigned tasks.

### Acceptable Experience and Training

- Graduation from high school or possession of a GED, preferably supplemented formal training in equipment maintenance; and
- Considerable experience in equipment maintenance; or
- Any equivalent combination of experience, education and training which provides the knowledge and abilities necessary to perform the work.

### Required Special Qualifications

- Ability to obtain a State of Alaska level I Wastewater Treatment Certification within two (2) years of employment;
- Alaska licensed Electrician.

<b>Essential Physical Abilities</b>
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- Sufficient clarity of speech and hearing, with or without reasonable accommodation, which permits the employee to communicate effectively;
- Sufficient vision, with or without reasonable accommodation, which permits the employee to operate water pollution control facility controls;
- Sufficient manual dexterity, with or without reasonable accommodation, which permits the employee to operate controllers and tools used in the installation, maintenance and repair of pumps and discharge systems;
- Sufficient personal mobility and physical reflexes, with or without reasonable accommodation, which permits the employee to climb, enter and exit confined spaces, manipulate equipment and adhere to safety protocols in the inspection of facilities and maintenance of projects and equipment.

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