

NEW CASTLE COUNTY GOVERNMENT

Number 1330

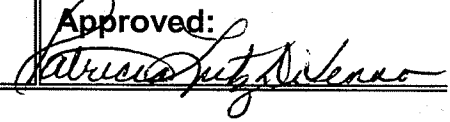
CLASS SPECIFICATION

Page 1 of 2

Date 07/02/02

Title: PLANT OPERATIONS TECHNICIAN

Approved:



GENERAL STATEMENT OF DUTIES: Performs skilled technical work in the installation, maintenance, and repair of equipment, specialized machinery, and control systems used in the New Castle County wastewater system and in building and grounds maintenance; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: An employee in this class installs, maintains, inspects, adjusts, and repairs equipment and components in wastewater pump stations, treatment plants, and other buildings and works on other equipment related to or the operation of the wastewater system. This employee responds to problems in the field, investigates, and, when possible, takes immediate action to correct the problem. This skilled work involves highly varied, efficient, and competent performance in the technical maintenance field. This employee works under general supervision but exercises considerable independent judgement in executing assignments.

EXAMPLES OF WORK: (Illustrative only)

- Supervises and/or instructs maintenance and construction workers, trades helpers, apprentices, equipment operators, skilled trades workers, and other as required;
- Installs, maintains, and/or repairs equipment and controls such as pumps, valves, engine generators, pneumatic and hydraulic equipment, compressors, meters, gear boxes, screens, fans, irrigation equipment, wastewater treatment equipment, level sensors, and other related equipment;
- Operates and diagnoses failures in equipment, electro-mechanical systems, and their controls and repairs and maintains same as required;
- Tests, monitors, and maintains pumps, mechanical equipment, and their controls;
- Uses hand, bench, and metal working machine tools such as lathes, milling machines, grinders, saws, drill presses, and other related equipment;
- Uses precision measuring and balancing tools such as micrometers, feeler gauges, dial indicators, rim and face alignment tools, calipers, and other related tools;
- Programs and operates computerized operating systems for pumping stations and computerized monitoring systems/equipment for pumping stations and treatment plants;
- Uses diagnostic equipment such as tachometers, flow meters, gauges, ammeter, voltage meter, and other related equipment;
- Maintains equipment operational records for maintenance, lubrication, replacement schedules, and other related equipment;

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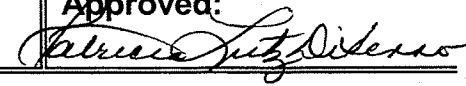
CLASS SPECIFICATION

Page 2 of 2

Date 07/02/02

Title: PLANT OPERATIONS TECHNICIAN

Approved:



- Evaluates facilities and operations to ensure that proper maintenance is performed and that a clean and safe environment is maintained;
- Makes independent decisions on minor improvements;
- Promotes an ongoing attitude of dedication to excellent public service and ensures that external and internal customers are provided with the highest quality of service;
- Operates a data processing terminal, personal computer, and other related equipment in the course of the work.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES: Thorough knowledge of machine shop practice, tools, and maintenance and repair procedures; thorough knowledge of mechanical repair parameters including material properties, lubrication, tolerances, decimal equivalents, thermal considerations, standard sizes, metal working methods, proper tool selection, and proper tool speeds; thorough knowledge of the use of diagnostic and measurement equipment such as flow meters, gauges, alignment tools, and measurement devices; ability to read pump curves and to troubleshoot based upon those curves; ability to perform pump performance tests; ability to read and understand mechanical drawings and schematics; ability to understand system controls; ability to work safely in a confined space environment; ability to understand and to carry out difficult oral and written instructions; ability to communicate courteously and effectively, both verbally and in writing; ability to recognize unsafe conditions and to take corrective action; ability to establish and maintain effective working relationships with others; ability to pass a Class III County physical examination.

ACCEPTABLE EXPERIENCE AND TRAINING: At least five years experience in technical maintenance work involving mechanical, electrical, plumbing, machine shop, welding, and/or installing new equipment in an industrial or wastewater environment, and the completion of a standard high school course or GED certificate program supplemented by courses in the mechanical trades; or any equivalent combination of experience and training which provides the required knowledge, skills, and abilities.

ADDITIONAL REQUIREMENTS: Possession of a valid Delaware Class D driver's license or its equivalent.

HISTORY OF REVISIONS:

Established: 07/01/01
Revised: 07/02/02