

NEW CASTLE COUNTY GOVERNMENT

Number 1313

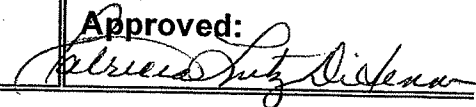
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CLASS SPECIFICATION

Date 04/06/04

Title: ENVIRONMENTAL ENGINEER I

Approved:



GENERAL STATEMENT OF DUTIES: Performs professional environmental engineering work in the field and office; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: An employee in this class applies basic professional engineering knowledge and skills to all phases of environmental engineering projects. Assignments afford opportunities for independent planning of work details and some latitude in making technical determinations. This employee works under general supervision with consultation from higher level engineers on difficult problems.

EXAMPLES OF WORK: (Illustrative only)

- Performs technical environmental engineering tasks in the design, construction, and analysis of wastewater conveyance systems, wastewater treatment facilities, and landfill remediation projects;
- Reviews plans and specifications of public and private treatment facilities for technical correctness and accuracy;
- Assists in the operation and maintenance of wastewater conveyance systems and treatment plants;
- Investigates special problems regarding the conveyance and treatment of wastewaters;
- Evaluates and monitors wastewater flows and treatment capacities;
- Prepares projects for various wastewater system improvements;
- Participates in developing effective maintenance procedures;
- Assists in implementing New Castle County's Industrial Wastewater Ordinance and National Pretreatment Regulations;
- Makes periodic and special reports as required;
- Regularly responds to emergency calls involving the wastewater conveyance and treatment systems, including nights, weekends, and holidays;
- Promotes an ongoing attitude of dedication to excellent public service and ensures that internal and external 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: Good knowledge of modern principles and practices of environmental engineering with particular emphasis on wastewater engineering; ability to deal effectively and cooperatively with the general public, related agencies, and other employees; ability to draw valid conclusions utilizing

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wastewater engineering; ability to deal effectively and cooperatively with the general public, related agencies and other employees; ability to draw valid conclusions utilizing engineering principles; ability to communicate courteously and effectively, both verbally and in writing; ability to pass a Class III County physical examination.

ACCEPTABLE EXPERIENCE AND TRAINING: Possession of a Bachelor's Degree from an accredited college or university with major course work in environmental engineering or related field; or any equivalent combination of experience and training which provides the required knowledge, skills and abilities.

ADDITIONAL REQUIREMENTS: Certification as an Engineer-in-Training within one year of date of employment; possession of a valid Delaware Class D driver's license or its equivalent.

HISTORY OF REVISIONS:

Established:	12/07/77
Revised:	06/05/89
Revised:	06/25/90
Revised:	01/02/91
Revised:	01/01/96
Revised:	03/01/00