

STORMWATER MANAGEMENT SPECIALIST I

DISTINGUISHING FEATURES OF THE CLASS: This is a professional engineering title involving technical/administrative work for all environmental engineering responsibilities for the Ulster County Department of Public Works (UCDPW). The employee provides technical engineering support of Ulster County's Water Quality Strategy (Plan), and assists in the Ulster County Collaborative Stormwater Program. An employee in this title is also responsible for reviewing construction site plans, performing site inspections and enforcing regulations for erosion, sedimentation and run-off controls, waste management and illegal discharges. In conjunction with department staff and municipal authorities, the employee provides technical support in carrying out a coordinated effort for a regional watershed strategy. The work is performed under the general supervision of the Commissioner of Public Works or a higher-level engineer with leeway allowed for the use of professional judgment in carrying out the details of the work. Supervision over non-professional staff may be a function of this class if projects require such staffing. Does related work as required.

TYPICAL WORK ACTIVITIES: The typical work activities listed below, while providing representative examples of the variety of work assignments in the title do not describe any individual position. Incumbents in this title may perform some or all of the following, as well as other related activities not described.

Assists in providing technical engineering support services for Ulster County in compliance with the New York State Small Municipal Separate Storm Sewer Systems (MS4), the Federal Phase II Stormwater Program, the Clean Water Act and any other Stormwater control related law or regulation;

Assists in the development, implementation and enforcement of the Stormwater Management Plans (SWMP) for Ulster County and assists in providing technical assistance for the towns, villages and special districts in compliance with the County's State Pollution Discharge Elimination System (SPDES) permit;

Designs and oversees implementation of geomorphic watercourse management practices to both control and remediate stream bank erosion and to help alleviate flooding;

Assists in the enforcement of the Stormwater management program requiring erosion and sediment controls and eliminating illegal discharges, to ensure the County is in MS4 compliance under the County's SPDES permit;

Assists in obtaining public comment on construction plans, reviews Stormwater Pollution Prevention Plans (SWPPP), conducts site inspections and enforcements of construction site operators in compliance with SPDES permit, section MCM4;

Assesses existing conditions to identify appropriate management practices in enforcing regulatory mechanism on post-construction runoff controls and development and operation of management practices inspection and maintenance program to reduce pollutant discharges under the County's SPDES permit, section MCM5;

Assists in reviewing SWMP plans for compliance with County and municipal regulatory programs and the New York State Department of Environmental Conservation (NYS DEC) Management Practices Catalogs;

Assists in preparing periodic reports for the Department of Public Works and regional planning agencies evaluating the impact of MS4 activities on the operation and efficiency of water quality management programs;

Assists in the preparation of an annual report to the Ulster County Legislature, giving an assessment of the MS4 program;

Investigates complaints, conducts site inspections, issues violations and elicits public comment on water quality management issues;

Participates in technical studies using Geographic Information Systems (GIS) and Ground Positioning Systems (GPS), which aid in the collection, tabulation and analysis of technical watershed planning data to produce maps, charts, graphs and reports for the various constituencies and the public;

Develops and implements a variety of watershed best-management practices for open space projects, forest management, parks and trails projects, bio-engineered or engineered erosion control/stabilization projects, and hydrologic habitat modification to prevent or reduce the discharge of pollutants and aid in stream and wetland protection and/or restoration.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Thorough knowledge of the principles, practices and procedures of municipal and regional watershed engineering and planning; thorough knowledge of the laws, rules, regulations and procedures governing regional water quality / water protection planning programs; working knowledge of GIS/GPS equipment and technologies; working knowledge of fluvial geomorphology and watercourse management practices; working knowledge of the physical and geographic make-up of Ulster County; ability to design and implement erosion control and fluvial attenuation practices; ability to learn to design engineered stormwater systems; ability to secure the cooperation of others and to deal effectively with a wide variety of governmental agencies, municipalities or individuals; ability to prepare and present complex written and oral reports; initiative; tact; courtesy; resourcefulness; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

A. Graduation from a regionally accredited or New York State registered college or university with a Master's Degree in Civil Engineering, Hydraulic Engineering, Environmental Engineering, Natural Source Management, Regional Planning, Stormwater Management or a field specifically related to watershed/water quality or natural resource planning and one year of experience in the review and preparation of stormwater management plans and/or civil engineering for the design and installation of stormwater systems and urban or regional natural water resource planning; **OR**

B. Graduation from a regionally accredited or New York State registered college or university with a Bachelor's Degree in Civil Engineering, Hydraulic Engineering, Environmental Engineering, Natural Source Management, Regional Planning, Stormwater Management or a field specifically related to watershed/water quality or natural resource planning and three (3) years of experience in the review and preparation of stormwater management plans and/or civil engineering for the design and installation of stormwater systems and urban or regional natural water resource planning; **OR**

C. An equivalent combination of training and experience as indicated above.

Special Requirement: Candidates must either possess at the time of appointment or obtain within one year of appointment certification as a Certified Professional in Erosion and Sediment Control (CPESC)

Note: At time of appointment and throughout the duration of employment in this title, candidates must possess and continuously maintain a valid New York State Driver's License applicable to the vehicles operated.

ULSTER COUNTY
6975 SW MGT I
Classification: Competitive
Grade: 18
Union: CSEA

Adopted: January 22, 2007