

Water Resources Engineer

Tracking Code

223-612

Job Description

Complete design duties associated with H&H analysis, stormwater management, drainage design, E&S design, and permitting.

Essential Duties and Responsibilities

Includes the following - Other duties may be assigned:

- Performs design, analysis, planning and modeling under the direct supervision of senior engineering staff
- Performs design and analysis of drainage conveyance systems, and stormwater management detention and infiltration basins under the direct supervision of senior engineering staff
- Performs design and analysis of Erosion and Sedimentation Pollution Control Plans and Best Management Practices in accordance with PA Chapter 102 Regulations
- Performs Erosion and Sedimentation Pollution Control Narrative Reports, Post Construction Stormwater Management Reports for NPDES Permits
- Assists with Hydrologic and hydraulic studies to support bridge/culvert hydraulic analysis and erosion control design, and stream hydraulic assessments
- Performs some or all of the following under the direct supervision of senior engineering staff: waterway encroachment evaluation, floodplain analysis, flood mitigation planning, watershed assessment, stream restoration, storm water management and computer modeling
- Collaborates with Drainage Discipline Staff on the development of water resource management plans
- Design watershed storm water management practices
- Summarizes findings of hydrologic and hydraulic studies in reports to regulatory agencies

Work is generally performed in a professional office environment with intensive use of computer and peripherals required. Some site visits may be required.

Required Experience

- Bachelor's in Civil Engineering from an accredited four-year college or university or equivalent education and experience
- One to 4 years experience or the equivalent thereof with some familiarity in site development, plan preparation, drainage, Chapter 102 and Chapter 105 Permit Regulations and/or other Civil Engineering processes
- Engineering in Training (E.I.T.) license preferred
- Must have experience with Microstation, Inroads, HY-8, HEC-HMS, HEC-RAS, VTPSUHM

Job Location

Wilkes-Barre, Pennsylvania, United States

Position Type

Full-Time/Regular