HanoverEngineering

Natural Gas Gathering Line Project

Utility Line Design and Permitting

Hanover Engineering assisted with the development of a 15-mile gas pipeline project in Tioga County near the Pennsylvania/New York state border. The gathering line connects several midstream systems into a new point of sale. Natural gas from a multitude (potentially hundreds) of Marcellus gas wells will be transported through this pipeline to a transmission pipeline. The rugged terrain and numerous water features, along with specific property owner requests and endangered species and cultural resource conflicts, made this pipeline a considerably challenging project to design and permit.

Due to scheduling demands and conflicts with threatened and endangered species, the project was separated into three phases to enable the construction of a significant portion of the pipeline while the approval of the remaining phases was contingent upon the requisite threatened and endangered species clearances. This phasing of the project allowed the client to adhere to contractual obligations and meet critical construction deadlines.

Specific services provided by Hanover Engineering for the design and permitting of the project include:

- Preliminary pipeline alignment and route development
- Constructability Assessments and recommendations
- Wetland and waterway delineations
- Topographical and boundary surveys
- Preparation of Phase 1 Archaeological Study
- Preparation of Threatened and Endangered Species Habitat Assessment
- PA DEP ESCGP permitting for Earth Disturbance Activities and wetland and watercourse impacts
- PASPGP-4 permitting for U.S. Army Corps of Engineers for wetland and watercourse impacts
- Preparation of Exhibits for Landowner Agreements
- Construction inspection for compliance with environmental permit requirements
- Preparation of PennDOT and Township Highway Occupancy Permits for temporary construction access
- Project management and scheduling

PROJECT DETAILS

- **Location**
  Rutland and Jackson Townships, Tioga County

- **Completion Date**
  August 2012

- **Total Project Cost**
  $77,000,000