



Natural Gas Answers

Sci-Tek can provide automatic 14-day approval for ESCGP-1 E&S Plans issued by the PA-DEP's Bureau of Oil & Gas Management

Sci-Tek provides fast, responsive quality engineering and consulting services for the natural gas industry, inclusive of

Site Civil Design:

Gas Pad Design including access roads, well pads, drill and flowback pits. Also gathering lines, well location plat surveys, grading plans, wetland surveys, Erosion and Sedimentation Control Plans, PNDI Reviews and PPC Plans,

Water Management Plans for water sources utilized for fracture stimulation, and

Pre Drill Water Supply Survey in accordance with MSC/PA-DEP Best Management Practices.

Environmental Permitting and Regulatory Compliance Consulting for installation of natural gas wells:

Erosion and Sedimentation Control General Permit (ESCGP-1) for earth disturbance activities inclusive of onsite field review,

Highway Occupancy Permits of Marcellus Shale dams and pits, and

PA-DEP Chapter 105 General Permit and Submerged Land License Agreement for construction and access of the proposed well location or surface water withdrawal application.





Geotechnical Engineering for adverse geological conditions:

Subsurface Investigations for determining soil and rock properties for engineering and construction purposes,

Foundation design and analysis for slope stabilities (landslides), settlement, acid mine drainage, and deep mine subsidence, and

Geotechnical Design of retaining walls, foundations, tunnels and earthworks.

Miscellaneous Engineering Services like pipeline design, alignment planning and permitting:

Pipeline Route Design and Permitting, Columbia Gas - Sci-Tek provided design and permitting for the relocation of a Columbia Gas transmission line located near Norfolk Southern's Conway Rail Yard in Baden, PA. The project included installation of approximately 1,740 lineal feet of 8-inch diameter steel pipe parallel to the track adjacent to the Ohio River and approximately 230 lineal feet of 8-inch diameter steel pipe in a 16-inch diameter steel casing pipe under the NS tracks. The pipeline relocation will transmit natural gas at a working pressure of 80 pounds per square inch. Design services provided included development of the pipe route to avoid railroad facilities and utilities located within the project area, carrier pipe design, casing pipe design under the railroad tracks including the auger/bore method for installation, preparation of construction specifications, and preparation of all permit application documents. All design work was performed in accordance with American Railway Engineering and Maintenance-of-Way Association and NS Standards.



Certified MBE

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