

Senior Geotechnical Engineer (Licensed PE)

Job Description

Updated 8/11/2026



Who we are:

NTS Environmental Science and Engineering is a leading provider of comprehensive environmental services, offering consulting, engineering, engineering support, and data management solutions to a diverse clientele in northern Minnesota's Iron Range region. Our company has an employee-driven culture that promotes professional development and growth. We prioritize integrity, safety, client-focus, and excellence in all aspects of our work. We provide competitive pay based on experience level, a comprehensive benefits package, flexibility, and opportunity for advancement.

Position Description:

NTS is seeking a licensed Senior Geotechnical Engineer to lead geotechnical engineering projects and provide technical leadership for a wide range of civil, industrial, mining, commercial, and infrastructure projects. The successful candidate will manage projects from proposal development through final design and construction support while mentoring junior staff and supporting business development efforts.

Primary responsibilities include, but are not limited to:

- Independently plan, design, and direct geotechnical engineering projects, tracking scope, schedule, and budget.
- Lead geotechnical investigations and engineering analyses related to foundations, retaining structures, embankments, slopes, earthwork, groundwater control, mine-related infrastructure, and other civil engineering projects.
- Evaluate subsurface conditions and provide recommendations regarding dewatering, excavation support, rock excavation, settlement mitigation, and foundation alternatives.
- Prepare, review, and seal geotechnical reports, engineering calculations, plans, specifications, and technical memoranda as required.
- Support and enhance the construction materials laboratory quality management system.
- Coordinate field exploration programs, laboratory services, consultants, contractors, and project stakeholders.
- Mentor and provide technical guidance to junior engineers, technicians, and field staff.
- Participate in proposal preparation, project scoping, budgeting, and client presentations.
- Build and maintain strong relationships with existing and prospective clients.
- Support strategic business development initiatives and identify opportunities for growth within the region.
- Promote and support the NTS safety culture through leadership, policy adherence, risk management, and safe project execution.
- Other duties as assigned or necessary.

Qualifications:

- Bachelor's degree in Civil Engineering with an emphasis on geotechnical engineering required; Master's degree in Geotechnical Engineering preferred.

- 7+ years of experience in geotechnical engineering.
- Professional Engineer (PE) license required.
- Demonstrated experience managing geotechnical engineering projects and client relationships.
- Advanced knowledge of geotechnical engineering principles, construction material testing, and the construction industry.
- Experience developing engineering recommendations for complex subsurface conditions and foundation systems.
- Strong project management, leadership, and mentoring abilities.
- Excellent technical writing, communication, and presentation skills.
- Proven ability to manage multiple projects simultaneously while meeting deadlines and budget expectations.
- Demonstrated ability to collaborate with multidisciplinary teams and bridge gaps between various professional disciplines.
- Strong commitment to safety, quality, and continuous improvement.
- Valid driver's license and ability to travel to project sites as needed.

Compensation & Schedule:

Position Type: Full-Time

Compensation: \$90,000 - \$125,000 per year, based on experience and education. Comprehensive benefits package including health insurance, retirement plan, paid time off, and professional development.

Work Schedule: Monday-Friday

Interested in joining our team? We'd love to hear from you.

Please submit your cover letter and resume by mail or email using the contact information below.

By Mail:

Northeast Technical Services, Inc.
Attn: Megan Borich
526 Chestnut St.
Virginia, MN 55792

By Email:

mborich@netechnical.com

We appreciate your interest and will contact selected candidates regarding the next steps in the hiring process.

Northeast Technical Services, Inc. (NTS) is an Equal Opportunity, Affirmative Action Employer. All qualified applicants will be considered for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, or status as a protected veteran.