

Gerald N. Torbert, PE

Project Engineer

Years Experience: 33

Active Registrations: Professional Engineer: Pennsylvania and New Jersey

Education: Pennsylvania State University: B.S., Mining Engineering

Certifications: Troxler Certification
10 Hour OSHA Training
WVDOT Compaction Certification
WVDOT Concrete Technician Certification
NICET Level V Certification No. 2321

Experience & Qualifications:

Mr. Torbert has an extensive and diverse background in site and structural design, environmental studies, mapping, CAD/GIS (AutoCAD MicroStation and ArcView) design, construction inspection and monitoring, construction/site surveying, utility searches, building inspections, and property and underground surveying.

Representative Projects:

The Highlands

Site Engineer / Manager

Ohio County, West Virginia

- Managed inspection technician crew of four certified construction inspectors and a survey crew for building inspection projects, including new Target and Wal-Mart stores.
- Managed and established a team of technicians for concrete floor flatness and levelness testing, established protocols, techniques, acquired a new set of equipment, trained technician in procedures, began the company's new capabilities in this discipline.
- Managed inspection technician crew of eight certified construction inspectors and a survey crew for land development projects.
- Represented client in contractual, design and quality control matters and assured completion of 14 separate project phases.
- Established a field office location and reporting/inspection and record-keeping procedures, informational backup and record control.
- Assured flow of information from design group to contractors.
- Designed and approved field changes to plans as required by conditions.
- As liaison to regulatory offices, performed erosion and sedimentation inspections and assured compliance.
- GPS survey control for construction monitoring and QA/QC of inspection services.
- Maintenance of over 4500 photographic records of site conditions and construction techniques.

The Highlands

Concrete Floor Flatness and Levelness Testing

Ohio County, West Virginia

Inspected, measured, and assured adherence to ASTM 1155 Flatness and Levelness Specifications for Target and Wal-Mart Stores.

Construction Inspection

- 400-person bath house and sewage treatment facility, including design, specifications, and drawings.
- 150-person bath house, mantrip system and concrete highwall protection for an industrial facility.
- 2 PVC-lined pond installation projects (West Virginia).
- Acid mine water treatment plant.

RESUME

Compaction Testing Using Nuclear Density Equipment

- District 3, West Virginia DOH. For hot mix asphalt, soil (including one-point field proctor), and manufactured aggregate. Included sampling of materials, testing in lab for sizing and fineness specifications, and maintenance of state report forms.
- The Highlands, Ohio County, West Virginia. Including soil compaction for embankment (one-point field proctor), visual inspection, and aggregate and asphalt compaction control for new roadways. Includes maintenance of company report forms based on standard West Virginia reporting format.
- Various sites in Pittsburgh, East Pittsburgh, and Butler, Pennsylvania.

Concrete Testing

- Slump and Cylinder. Various construction projects in Pennsylvania.
- Slump, Pressure Air Meter, Rollameter and Cylinder. Various bridge and highway construction projects, District 3, West Virginia DOH.

Project Engineer and Safety Officer

Two mine shafts (Pennsylvania) and two mine shafts and sites (West Virginia).

Design and Construction Inspection

Underground bulkhead used to dam approximately 100 vertical feet of mine drainage water for use as a relay sump.

Site Design

- Mine Planning. Design of mine workings and complete facilities for future coal production planning, balancing production startups and equipment purchase and transfers for 10 to 12 different coal mines in Pennsylvania and Kentucky.
- Mine Design. Design of mine workings and support to maximize efficiency and profit and minimize subsidence and roof control concerns, maintenance of subsidence submissions, design, and control of longwall subsidence issues: four different coal mines in Pennsylvania and Kentucky.
- Underground Utilities Investigation and Mapping:
 - David L. Lawrence Convention Center Project, Pittsburgh
 - Roberto Clemente Park Renovation, Pittsburgh
 - LTV Steel Site, South Side, Pittsburgh
- Building and Home Inspections. Over 200 residences for resale and construction.
- Sewer and Culvert Design. Nine Mile Run Site, Pittsburgh, Pennsylvania.
- Highwall Stability Design. Several strip mine cuts and mine site layouts.
- Mine Site Construction Design and Inspection. Cut and fill calculations, pond designs, and utility planning.
- Site Design For A \$1M Industrial Addition. Addressing local and state approvals, HOP permits, sewage design, stormwater and E&S management, geotechnical design, specifications, and bid documents.

Structural Design

- Ancillary Industrial Structural Equipment. Design and material handling projects, including chutes, crushers and conveyor systems.
- Truck Stabilization System. Design used for dumping coal trucks at a preparation plant.
- Steel Mill Equipment and Installation. Design of new electric arc furnaces, ladle furnaces, ladle cars, and ladles.
- Steel Mill Building Renovations. Design for new equipment, including specifications and bid documents for 6 installations.
- Underground Haulage and Mantrip Track Systems. Design of mine roof support and advance systems, fresh water and AMD piping systems (including dams, pumping stations and pig launchers), electrical supply systems, ventilation equipment and systems and conveyor haulage systems.

Property Surveying

- Management of Two Surveying Crews and Draftsman. Baseline surveys for installation of industrial facilities.
- Municipal Landfill. West Virginia. Surveying, construction inspection and project engineering.
- Lanpher Reservoir. Pittsburgh, Pennsylvania. Site topographic surveying, sewer televising, and investigation.