



BERNIER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Former Manufactured Gas Plant (MGP) Site Remediation

Location: Raleigh, NC

Scope: Excavation and off-site disposal of MGP-impacted soil and debris; removal of gas holders and plant structures; removal of coal tar material; site restoration

Berner Construction was contracted to implement the phased site remediation of a former MGP site in Raleigh, NC. The first phase of the project was to prepare a Feasibility Study and Remedial Action Plan based on the results of the Remedial Investigation.



Initial Gas Holder Excavation

The next phase of the project was the execution of site activities for the remediation of the MGP-impacted soil and debris at the Raleigh MGP Site. The project is located on the site of the future Raleigh Convention Center. Execution of the remedial activities included extensive coordination and planning with the City of Raleigh and the contractors developing the Convention Center site. There were several areas of contamination in proximity to former gas holders, purifiers, and tar storage and handling areas. These areas were located beneath and surrounding the future parking garage, retaining wall, and access tunnel for the convention center.

The project activities included: waste characterization, dewatering, excavation of contamination soil for off-site treatment and disposal, backfill, and site restoration.

The project scope included the following activities:

- Excavated and disposed of approximately 31,300 tons of impacted soil and debris.
- Excavated and replaced approximately 3,000 tons of overburden soil.
- Dewatered and pre-treated 1,655,000 gallons of water from the excavation areas.
- Removed and transported 8,760 gallons of coal tar for reuse at an approved disposal facility.



Secondary Holder Excavation

The project site was restored using clean fill to grades required for the continuation of the convention center parking garage and access tunnel.

A Remedial Action Final Report, complete with pre- and post-remediation topographic maps, analytical sample results, and waste disposal documentation was submitted to the client and regulatory agency.