

Michael Niles

Staff Engineer - Synergy Environmental

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Michael-Niles/f26d315dce2d3388](https://www.indeed.com/r/Michael-Niles/f26d315dce2d3388)

WORK EXPERIENCE

Staff Engineer

Synergy Environmental - Cherry Hill, NJ - April 2009 to Present

40 Hour OSHA Trained

- UMR Certified in PA for underground storage tank removal
- Proficient in multiple field duties including: soil, vapor, soil-gas and groundwater sampling; soil classification; and oversight of site modification including UST removal and building demolishing
- Designer of on-site field logs for remediation equipment monitoring
- Member of proposal team for remediation of a Superfund site
- Developed O&M manuals and Health & Safety Plans for various Remediation Systems
- Generated spreadsheet tools for Ozone Injection molecular calculations to determine required ozone dosage
- Designed site maps using AutoCAD, some maps including groundwater modeling utilizing Surfer and cross-sectional maps
- Project Management of contaminated sites, responsibilities including remedial design and implementation, state DEP interactions, and remedial/closure reporting
- Responsible for client interaction, including proposals and planned future site remediation
- Explored and implemented advanced remedial technologies including chemical and bio- remediation

Global Process Engineer

Colorcon - North Wales, PA - April 2008 to September 2008

Key member in Colorcon's Sugar Spheres Debottlenecking project

- Performed case study on clean-in-place soaps, consisting of lab experiments and reporting
- Developed various protocols and controlled documents for equipment installations
- Created P&ID's for soft water system and other plant improvements

Engineer-in-training

Ashland Specialty Chemical - Philadelphia, PA - April 2007 to September 2007

Worked under lead plant engineer to accomplish various plant projects including plant expansion

- Created and maintained plant's lock-out/tag-out procedures
- Updated batch recipes in SAP, Ashland's Global Network
- Created P&ID's for additional batch tank installation and updated P&ID's per plant walk down

EDUCATION

Bachelor of Science in Chemical Engineering

Drexel University

ADDITIONAL INFORMATION

Computer Skills

- Microsoft Office • Adobe
- AutoCAD • LabVIEW