

Client

Sand & gravel company

Key Services Provided

- Coordinate with Ohio EPA
- Design of Infiltration Trenches
- SWPPP Development

Project Duration

May 2015 – Present

ES Project Cost

\$8,000

Total Project Cost

\$20,000

ES Key Staff

John Kwolek, P.E.

NPDES PERMIT COMPLIANCE ASSISTANCE, SWPPP DEVELOPMENT, AND STORMWATER BMP DESIGN

Ohio



EnviroScience, Inc. (ES) has provided regulatory support and design services to a sand and gravel company. ES has been contacted by the company to coordinate with Ohio EPA on compliance issues, develop a Stormwater Pollution Prevention Plan (SWPPP) for their gravel operations, and to design multiple stormwater infiltration trenches.

The sand and gravel company mines and processes construction sand and gravel at the site. Processing operations include crushing and screening. The individual NPDES Permit No. 31J00010 contains requirements for an SWPPP. In addition, Ohio EPA had issued a letter that required the facility to control stormwater runoff.

The company contacted ES to represent them during discussions with Ohio EPA regarding the development of the SWPPP and to design a system to control stormwater runoff. As part of the solution, ES designed stormwater infiltration trenches to control the runoff of storm water from the site. The design was based on soil characteristics of the site. Once the infiltrations were designed and installed, ES developed a SWPPP that met the requirements of the NPDES Permit and incorporated the infiltrations trenched into the plan as one of the Best Management Practices.