

Project Profile

Sperry Rail Services, Inc.

Description: Site Investigation/Feasibility Study/ Remediation

Location: Danbury, Connecticut

Contract Value: \$300,000

Clients: Penn Central Corporation, Great American Insurance Company

Major Activities

- Site Characterization
- Hydrogeological Investigation
- Remedial Engineering and Design
- Environmental Remediation
- Risk Assessment
- Environmental Compliance Audits
- Phase I Site Assessment

Several different types of services have been provided at the Sperry Rail Services site. Environmental Management Audits have been conducted to evaluate compliance with federal, state and local environmental regulations. The scope of these audits have included evaluations related to compliance with RCRA, CAA, CWA, TSCA, OPA, EPCRA, state equivalent regulations and Danbury codes related to these issues.

The audits revealed the presence of a former drywell at the site. Investigative activities related to this dry well indicated the presence of groundwater contaminated with chlorinated solvents. Soil and groundwater sampling was conducted to define the extent of the contamination. A Feasibility Study was then conducted which identified Air Sparging and soil vapor extraction as the preferred remedial

technologies. A pilot test was conducted, the system was installed and operated until satisfactory removals were achieved.

Investigations at the site have also included a Phase I Environmental Site Assessment in accordance with the Connecticut Transfer Act Regulations. This assessment covered the entire property where the Sperry facility resides.

Other investigations include a Phase II Site Assessment and associated hydrogeological investigations. These investigations have revealed the presence of arsenic along the rail lines at the site from application of pesticides/herbicides in the 1960s. The presence of PCBs at levels exceeding the allowable concentrations was also identified in and around an indoor service pit at the site. Risk Assessments were conducted to identify potential risk of exposure to workers for both of these areas of concern.

Additional work related to the PCB contamination includes delineation of the vertical and horizontal extent of contamination, preparation of notice documents for CTDEP and EPA, cost estimations, and alternative analysis. Oversight will be provided during the remedial phase of the project.