

Project Name

MGP / Coal Tar Site Evaluation, Keyport, New Jersey

Client

Giordano, Halleran, & Ciesla

Services Provided

- Evaluated Source of Groundwater Contamination at Property
- Performed Contaminant Fate and Transport Modeling
- Provided Litigation Support

Project Description

SAI reviewed soil and groundwater data and found the source of continuing soil and groundwater contamination at an operational industrial site in Keyport, New Jersey.

Approach

SAI reviewed historical environmental data for the site, which was undergoing ECRA cleanup in the 1980s. As a result of the site investigation, areas of soil and groundwater contamination were encountered which were apparently caused by prior site owners or operators. SAI analyzed the data and showed that a continuing source of benzene and toluene contamination, possibly a disposal pit, remained at the site in an unknown location.

SAI reviewed historical information and property ownership for the site, and found that site operations begun in 1908 and continued unabated to the present. Early operations consisted of the manufacture of aniline intermediates, which were produced from the products of coal tar distillation. Primary by-products were benzene, toluene, xylenes, and cresols, all of which were found at the site.

Results of SAI's efforts revealed that the contamination emanated from a disposal pit containing coal tars, which was found in 1994 during site investigation activities by another party.

