

Project Name

RCRA Part B Permitting, Closure Plan, and Remedial Investigation and Feasibility Study for Corrective Action and Remedial Design

Client

C.P. Chemicals, Inc.

Services Provided

- # Developed a Wastewater Treatment Plan
- # Developed a RCRA Part B Permit Application Including Closure Plan
- # Remedial Investigation/Feasibility Study to Meet RCRA Corrective Action Requirements
- # Bioassay Study to Support New Jersey Pollutant Discharge Elimination System Permit
- # Design of a Stormwater Management Plan
- # Development of a Discharge Prevention, Containment and Countermeasure Plan
- # Preparation of Remedial Action Work Plan

Project Description

C.P. Chemicals, Inc. has been operating its 14-acre facility in Sewaren, New Jersey, for more than 60 years. Facility operations include the manufacture of a wide variety of inorganic chemicals, and the recycling of waste sludges from other facilities. With assistance from SAI, the facility was permitted under Part B, a major facility designation, under the Resource Conservation and Recovery Act. The Part B designation enables the facility to fulfill important needs in hazardous waste treatment.

Approach

Various actions were taken to ensure thorough development of the final RCRA Part B application. As part of the application, SAI developed closure plans, a stormwater management plan, and an evaluation of the existing cut-off wall and trench drain performance. SAI also assisted in the attainment of related permits including riparian, stream encroachment, wetlands and treatment works. Extensive stream studies in support of discharge permit negotiations, including dilution studies and water quality assessments, were conducted by SAI. Also undertaken were a performance evaluation of the facility's wastewater treatment plant, and a Toxicity Reduction Evaluation to enhance compliance with discharge requirements. SAI recommended interim cleanup measures to be taken during the permitting process. Additionally, a Remedial Action Work Plan was prepared by SAI and approved by the NJDEP. The Workplan included the installation of an asphalt cap and a groundwater recovery system. A design of a stormwater management system associated with the proposed asphalt capping was prepared in accordance with the applicable requirements of the Stormwater Management Act (N.J.A.C. 7:8-3.4). An important aspect of this Remedial Action Workplan was demonstrating that the most feasible option was to leave the contaminated material in place with measures to ensure no future environmental or health impact.