

## Fuel/Waste Handling Facility – Southern New Jersey

**Client Type/Property Type:** National Consultant – Commercial Property

**Oversight:** NJDEP & USEPA

**Contaminant:** LNAPL & PCBs

### Project Summary:

S<sub>2</sub>C<sub>2</sub> was able to integrate all historic data into a concise database and develop a refined Site Conceptual Model (SCM) of the site prior to commencing field activities. This SCM was rapidly refined into a three-dimensional model by using direct sensing FFD data to evaluate LNAPL distribution at the site. Additional groundwater and soil data were then collected based on the SCM to determine the distribution of PCBs in relation to the LNAPL plume. The 3-dimensional (3D) model was used to generate precise cost estimates for site remediation and possible liability transfer.

Following liability transfer and remedial action implementation, S<sub>2</sub>C<sub>2</sub> was contracted to evaluate PCB and TPH mass removal. S<sub>2</sub>C<sub>2</sub> incorporated all historic, baseline and remedial action evaluation soil and groundwater data into an updated 3D SCM and calculated mass, impacted soil volumes and average concentrations for TPH and PCBs at the Site using Ctech's MVS. The final SCM provides a visual and volumetric tool to evaluate the selected remedies progress through time.

