

Former Chemical Manufacturing Plant –New Jersey

Client Type/Property Type: Independent Consultant – Brownfield Redevelopment Property

Oversight: NJDEP

Contaminant: Hexavalent Chromium

Project Summary:

S₂C₂ was able to integrate all historic data into a project database and develop a refined Site Conceptual Model (SCM) of the site prior to commencing field activities. A targeted high resolution site characterization program was developed and initiated utilizing a handheld XRF as a screening tool for evaluating total chromium concentrations in soil. Based on the handheld XRF results, hexavalent chromium samples were chosen for analysis. Both total chromium and hexavalent chromium soil results were evaluated in Ctech's MVS to design an excavation plan for removal of hexavalent chromium impacted soil. The total mass of soil and total volume of soil was determined based on the 3D kriged results using Ctech's volumetric toolset.

