



### **Workscope:**

Construction and Installation of an Air Sparge / Soil Vapor Extraction system as part of a system installation contract for the former industrial Chrysler car manufacturing facility. The system was being installed as a remedy for past environmental impact subject to HSCA regulations as part of Delaware's Brownfield Development Program.

### **Goal:**

Based on a strict deadline, complete the construction and installation of the remediation system in a timely and cost-effective manner.

### **Problem:**

Expedited schedule for installation narrowed typical deadline expectations. Little subsurface utility construction data was available; which required extra caution and increased safety protocols during all site activities.

### **Setting:**

Former Paint Mix Area of the Chrysler car manufacturing plant, now the University of Delaware Science, Technology & Advanced Research (STAR) campus.

### **Solution:**

Offered project management and consulting to provide exceptional oversight during construction activities while maintaining regulatory standards, client goals, protection of the public, human health and the environment. Efficient and professional site work coordination was maintained to safely complete the construction activities planned for the former Paint Mix Area. Alliance reviewed and implemented design specifications with client in a manner that balanced project goals with regulatory requirements. Alliance's construction team was equipped with the expertise warranted for the complex, tiered subsurface conditions of the Former Paint Mix Area. Specific challenges that were overcome included breaking up concrete pads with 8' of reinforced concrete. Skilled equipment operators safely removed the concrete before remediation activities began. Alliance utilized consistent and effective communication with the University of Delaware staff on the project timeline, onsite activities, and challenges that developed throughout site construction and installation process.

## **Client**

**Former Chrysler  
Car Plant, Delaware**

## **Project Team**

**Joseph Zay,  
Kevin Reisler,  
Derek Zay,  
Harley Yerkes,  
P.G., Charles  
Swartz**

## **Regulation**

**DNREC – subject  
to HSCA  
Regulations**

## **Project Value**

**\$550,000**