



## In-situ bioremediation of manufacturing facility, Statesboro, Georgia, USA

### Project Summary:

Investigation and characterization of central Georgia manufacturing facility. Following this work, we designed and implemented the remedial program. WSP's integrated remediation approach resulted in significant cost savings for the client.

### The Client's Challenge:

At this manufacturing facility, a historic release of coolant containing chlorinated solvent resulted in a 1200-foot long dissolved volatile organic compound (VOC) plume.

### Our Work:

WSP was commissioned to perform the investigation and characterization of the site as well as design and implement the remedial program.

Using the application of molecular biological tools (MBTs), WSP demonstrated that the plume was stable as a result of natural attenuation.

To minimize the remedial timeframe and gain regulatory approval for monitored natural attenuation, source area soils and source area groundwater containing VOC concentrations greater than 0.5 mg/l were targeted for active remediation. Source area soil excavation and groundwater chemical oxidation were the technologies selected for these areas of concern.

### The Outcome:

The integrated remediation approach, defined as source treatment plus MNA, was approved by the Georgia Environmental Protection Division. This integrated remediation approach is estimated to have saved the client between \$700,000 and \$1,700,000.

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