

PACE® ANALYTICAL SERVICES

# CASE STUDY

United States Steel Corporation Gary Works  
partnered with Pace® Analytical Services  
to conduct on-site analysis for VOCs, PAHs,  
PCBs, and metals



# SNAPSHOT

## CLIENT

United States Steel Corporation  
Gary Works

## INDUSTRY

Steel

## ESTABLISHED

1907

## ABOUT

United States Steel Corporation Gary Works facility is a steel mill situated on the shoreline of Lake Michigan in Gary, Indiana, that has been in operation since 1907. In 1998 a Consent Order pursuant to RCRA was signed to investigate and remediate hazardous waste releases that occurred during the facility's longstanding operations.

# PROJECT FEATURES

- US Steel Gary Works is one of the most scrutinized sites in EPA Region 5, consisting of over 7 square miles of contaminated slag.
- Investigation was performed at 7 solid waste management areas (SWMA) with over 140 permitted solid waste management units (SWMU).
- Large amounts of data were required to complete the investigation.
- Site challenges included underground utilities and the presence of slag throughout most of the site, which required real-time decision making capabilities.

# CHALLENGE

Pace® Analytical Services was selected to provide on-site laboratory services in support of the RCRA Facility Investigation. To meet project demand, Pace® Analytical Services mobilized two laboratories to the site.

During the 8-month project, Over 3,700 samples and nearly 13,000 analyses were completed with an average cost of less than \$57 per test, and 24-hr turnaround time.

# METHODS UTILIZED

- VOCs by Method 8260
- PAHs by Method 8270
- PCBs by Method 8081
- Metals by Method 6200

# SOLUTION

Pace® Analytical Services provided a streamlined approach to sampling, analyses, and data management activities conducted during the site investigations. Commonly referred to as the Triad Approach, this process resulted in the integration of systematic planning, a dynamic work plan, and real-time measurement technologies to achieve more cost-effective site investigation and cleanup strategy.