

# Gas Plant Phase 1 Environmental Site Assessment Project Profile

## Project Type

Phase 1 Environmental Site  
Assessment

The client requested Trace Associates Inc. (Trace) conduct a Phase 1 environmental site assessment (ESA) at the site. The purpose of the Phase 1 ESA was to fulfill the due diligence requirements of client's environmental policy and to assist in redevelopment of the site.

## Project Value

> \$25,000 (withheld at  
client request)

The site began industrial activities (gas compressor station) in the 1950s. The Phase 1 ESA identified a large site expansion in the early 1970s followed by a split of the facility in the 1990s. The Phase 1 ESA identified 11 actual on-site source areas (visual signs of contamination or previously identified regulatory exceedances in soil and/or groundwater), 18 potential on-site source areas and 1 potential off-site source area (surface drainage from an adjacent battery site).

## Start and Completion Date

May 2009 and July 2009

## Client

International Energy Company

Based on the information collected during the Phase 1 ESA, contaminants of concern at the site include petroleum hydrocarbons, glycols, salinity parameters, metals, polychlorinated biphenyls, and various chemicals (used in facility processes and stored in above and below ground storage tanks).

## Market Sector

Oil and Gas

## Challenge

- Short client timeline
- Site operation started in 1950s
- Multiple previous facility owners
- Historical environmental reports focused on partial areas of the site
- Multiple changes to site infrastructure and on-site processes

Based on the Phase 1 ESA results, the client requested Trace prepared a Phase 2 ESA plan to assess the east portion of the site. The findings of the Phase 2 ESA were then used to prepare a remediation action plan for a portion of the site.

For more information on this project contact Darrell Haight, P.Ag., President at 780.458.7787. This photograph shows a portion of the gas plant.

## Solution and Highlights

- Report was comprehensive and identified several areas of concern not previously identified
- All reviewed information included in the report for easy future reference
  - Figures provided detailed information regarding current and historical infrastructure and environmental concerns

