



INSITE GROUP, INC.

CASE STUDY

PHASE I & II ENVIRONMENTAL SITE ASSESSMENT

Industrial Facility
Northeastern Ohio

BACKGROUND

Insite Group, Inc. (IGI) was retained by a financial lending institution to complete Phase I and Phase II Environmental Site Assessments (ESAs) for an industrial facility in northeastern Ohio. The project was triggered by a new loan application for the expansion of operations.

FINDINGS

IGI identified three *recognized environmental conditions (RECs)*:

- Oil was observed in a drainage ditch at the facility storm sewer outfall.
- Oil was in constant contact with the concrete floor around machinery inside the facility.
- The facility historically operated as an aluminum product manufacturing facility and included an anodizing line. Chromic acid was often used in this process, and potential contamination of the groundwater supply with hexavalent chromium was a concern.



IGI implemented a Phase II ESA to investigate the source of oil in the storm sewer. Samples of the liquid in the storm sewer were collected and submitted for laboratory analysis to determine the nature of the liquid for disposal purposes. The liquid was determined to be non-hazardous and met the requirements for recycling. The storm sewer was then cleaned to remove the existing oil, and a camera study was performed to inspect the length of storm sewer beneath the facility. Through the camera study, it was determined that the entry point of oil into the storm sewer correlated with the location of accumulated oil on the concrete floor in the production area.



Ultimately, the cause of the environmental condition was a lapse in best management practices. The company owner implemented suitable practices that ensured no further oil accumulation on the exposed concrete floor.

Also as part of the Phase II ESA, groundwater and storm sewer samples were collected and submitted for laboratory analysis of hexavalent chromium and total chromium to evaluate the potential impacts to groundwater from the historical anodizing line. No impacts were identified.

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