



CH2M HILL ESPAÑA S.L.

Environmental Services

Client

Confidential

Location

Barcelona, Spain

Chemical Plant Decommissioning

CH2M HILL provided technical assistance to an international chemical company during the decommissioning of a liquid paint manufacturing plant in Barcelona, Spain. CH2MHILL conducted subsurface environmental characterization in 2006 and classified ATEX areas as those with the greatest potential contamination. During project implementation, CH2M HILL modified and managed the changes made to the Work Plan including additional Health and Safety requirements to address potential threats.

As part of this project, CH2M HILL provided the following services:

- Characterized subsurface conditions through the collection of multiple soil samplings throughout the site. The locations of soil borings were selected based on results obtained from a shallow soil gas survey of 76 soil gas sampling points. A Geoprobe mounted rig was used to advance 34 soil borings for soil sampling. The most relevant compounds detected were TPH and solvents.
- Conducted a Human Health Risk Assessment to determine remedial goals for the project.
- Conducted a comprehensive literature review and analyzed field data to support the finding that groundwater investigations were not required.
- Prepared an excavation plan, a health and safety plan, and a quality control and waste management plan for the 13 underground storage tanks (USTs) and contaminated soil. CH2M HILL also prepared the excavation and well abandonment permits in coordination with the local officials and the Catalán Water Agency.
- Supervised the work performed by the contractor performing excavation and waste management tasks in 2007.
- Confirmed compliance with sampling protocol and soil analysis performed in situ by the field team. A total of 772 tons of soil were excavated, classified, and managed according to the applicable legal requirements.