



Transportation Transit

Client

Metropolitan Atlanta Transit
Authority (MARTA)

Location

Atlanta, GA, USA

Environmental Architectural and Engineering Services

Project Highlights

- Environmental services, including Phase I and II property transfer assessments and remedial investigations
- Environmental consulting for a new rail service facility
- Construction management for an underground storage tank upgrade and above ground storage tank replacement project



Project Description

Established in 1971, MARTA is the seventh largest transit system in the U.S. with over 240 rail cars and 700 buses. MARTA's radial commuter rail system includes 35 stations and over 106 kilometers of track. Recent construction involved two additional stations and a new rail service facility. To support its rail and bus operations, MARTA also operates several bus and rail maintenance facilities to stage, repair, overhaul, clean, paint, and fuel vehicles.

Over the last three decades, MARTA has modified its management and operations practices to comply with evolving environmental regulations. As such, several sites of past releases and disposal practices required remedial actions and investigations and/or monitoring to comply with regulatory requirements. Additionally, many of the operations and maintenance (O&M) activities performed at MARTA facilities are potentially "environmentally unfriendly" and may result in releases that require environmental assessment and mitigation actions.

CH2M HILL performed a variety of environmental services for MARTA, including Phase I and II property transfer assessments, remedial investigations, underground storage tank and above ground storage tank (UST/AST) consulting and management, feasibility studies, construction management, pollution prevention studies, air quality studies, environmental compliance, and remedial design. CH2M HILL also:

- Provided monthly O&M of the active remediation systems and industrial wastewater treatment plant (IWWTP) for several facilities
- Developed zero discharge IWWTP design
- Served as the industrial wastewater and environmental consultant for a new rail service facility yard and shop design
- Conducted Phase I environmental site assessments (including asbestos, lead-based paint assessments) and Phase II subsurface assessments for various property acquisitions in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-97

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- Provided specialized hazardous waste identification and disposal recommendations for mercury and PCB-containing fixtures at 16 parcels with over 40 occupying businesses scheduled for demolition
 - Provided environmental construction management support services for UST upgrade and AST replacement project
 - Developed an emergency quick reference guide for the many emergency response plans at eight MARTA facilities
 - Developed a comprehensive work plan and business case for the MARTA Storm Water Pollution Prevention and Emergency Response Program