

ENVIRO-USA™ WORK SCASE STUDY

Historic Blue Hole Project

Location

Mississippi River, Mississippi County and Missouri

Industry

Conservation

Application

Dredging

Objective

With historic flooding along the Mississippi River and into Missouri, the U.S. Army Corps of Engineers was sent in to relieve floodwater and restore sections of nearby levees through filling scour holes, leveling ground and rebuilding damaged areas.

Environmental concerns were raised about impacts to the Historic Blue Hole habitat.

Solutions

Enviro-USA™ designed a system that would provide separation between two large scour holes with protective Type 2 Heavy-Duty turbidity curtain with reefing lines.

PROJECT HIGHLIGHTS

- Enviro-USA™ was on-hand to assure installation setup, connection of the barriers and deployment activity was efficient.
- The curtain was equipped with reefing systems to allow for adjustments in curtain depth, and a secondary containment barrier was installed parallel to the first barrier as additional protection of the ecosystem from construction-related debris.
- When compared to other options, use of the silt curtain significantly reduced the cost and timeline of separating the holes. The silt curtain was installed over the course of the two days and helped save approximately one million dollars in cost to taxpayers.