



*Upper Left: Steel walkway accesses the mooring clusters.
Lower Left: MRCE-designed fender system facing the T-Head pier for The New Jersey Responder.
Above: MRCE inspected the installation of the mooring clusters.*

MSRC Mooring Facility Pier Rehabilitation and Modification

Perth Amboy, NJ

The Marine Spill Response Corporation (MSRC) mooring facility is located at the Harbortown T-head pier on the Arthur Kill Waterway between Staten Island and New Jersey. Mueser Rutledge Consulting Engineers (MRCE) designed a new timber pile fender system for the existing concrete pier to serve as a transient docking site for the harbor environmental spill clean-up vessel, the New Jersey Responder. MRCE sub-contracted with an electrical/mechanical design firm to provide ship services including potable water, marine electric power, and telephone.

MRCE designed a pair of timber and steel pipe pile supported 19 pile mooring clusters for breasting of a proposed barge which would be used to temporarily store contaminated waste waters recovered during emergency spill operations. The mooring clusters are accessed by a steel walkway supported on timber pile bents.

MRCE assisted MSRC in obtaining the necessary Army Corps of Engineers and NJDEP permits required for the project. MRCE also provided full time inspection for the installation of the mooring structures.