



Hudson River Remediation / Isthmus Transloading Area (ITA)

FORT EDWARD, NEW YORK

The purpose of the ITA was to allow for transfer of contaminated sediment dredged from a landlocked section of the Hudson River (a portion of the river between two dams which was not accessible by boat) across a spit of land to hopper barges staged in the Champlain Canal. Construction began in mid-February 2014 and had to be substantially complete by May 1, 2014, when the canals were flooded for the navigational season.

PROJECT HIGHLIGHTS

An earthen embankment was constructed across the drained canal, followed by clearing, grubbing and excavation of a 400'-long embayment to the canal to provide berthing for hopper barges outside existing navigational channel limits. Remaining construction activities consisted of preparation of sub-grade, placement of geomembrane liner, installation of decant and contact stormwater drainage systems, forming/placement of a 65' by 50' concrete slab with monolithic curbs for containment of sediments, erection of spill pans, and fender and bollard installation.

Once dredging activities began in the landlocked area, the transloading of sediment was performed utilizing two CAT MH3059 material handlers, each outfitted with a 2-cubic-yard TGS level cut bucket, stationed on either side of the containment slab. Dredge water was decanted from the river side barges directly to the canal side hopper barges by means of a 6" hydraulic pump and hose system. Storm and leachate water collected from the containment slab also was pumped directly to the canal side barges through a separate 4" sump pump.

Location:	Fort Edward, NY
Contractor:	Cashman Dredging & Marine Contracting Co., LLC
Contract Dates:	Feb. 2014 – June 2014
Dollar Value:	Contractually Confidential
Awarding Authority / Owner:	General Electric
Project Engineers/	Cashman Dredging

Cashman Dredging was issued a change order to the General Electric (GE) Hudson River Contract 42A for the design, construction, and operation of a transloading facility (called the Isthmus Transloading Area or ITA). The ITA became operational in June 2014.

