



Owner

Metropolitan Water
Reclamation District of
Greater Chicago

Lead Firm

Black & Veatch

Subconsultant

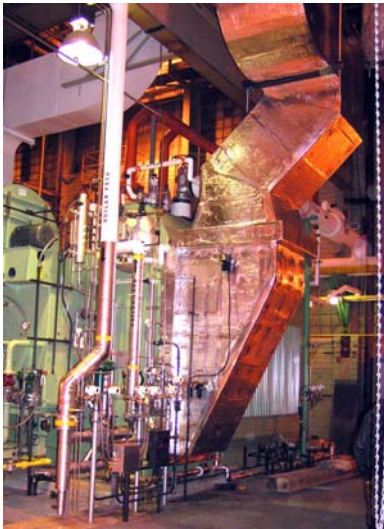
Delta Engineering Group, LLC

Contract

\$ 1.5 Million

Completed

December 2004



Stickney Water Reclamation Plant

Delta performed a Phase I study and conceptual engineering for the Stickney Water Reclamation Plant. Delta worked on many areas of the plant including, but not limited to Primary Sludge Treatment, including Gravity Belt Thickeners (GBT) and Waste Activated Sludge Pumps, electrical systems for Imhoff tanks for Batteries 'A', 'B' and 'C', blower modification, gas recovery system, and bio-solids processing. The project included the following tasks:

- Assessed power requirements based on a study of the current electrical infrastructure and future projected power requirements
- Surveyed existing facilities
- Prepared estimates of probable costs to add/modify/adapt the facilities for the added power requirements necessitated due to the increased treatment capacity
- Comparative study of Centrifuge systems versus GBT systems



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