



Owner:

City of North Tonawanda

Location:

*City of North Tonawanda,
Niagara County*

Completion Date:

2000

Construction Cost

\$8,000,000

\$180,000 (Watts Engineers' fee)

Services:

- *Health and Safety Officer and Environmental Inspection Services*
 - *Real time air monitoring*
 - *Environmental sampling*
 - *Weekly Health and Safety Meetings*
- *Industrial Hygiene Services*
- *HASP Preparation*
- *Drum Handling Plan Preparation*

Watts Engineers provided health and safety oversight and environmental inspection services for the remediation of Gratwick-Riverside Park, a 53-acre NYSDEC State Superfund listed Class 2 site located on the Niagara River. Redevelopment of the site as a public park was an important part of the City of North Tonawanda Strategic Reuse Plan for this waterfront site. The site previously operated as a municipal landfill utilized by Niagara Mohawk, Booth Oil, Hooker Durez, and Bell Aerospace.

Remedial construction involved installation of a mile long bentonite slurry wall with groundwater collection and treatment, on-site drum and waste stabilization, construction of a permeable landfill cap, gabion installation, shoreline stabilization and protection, construction of rock islands and wetland creation.

Watts Engineers prepared the site-specific Health and Safety Plan and attended bi-monthly management meetings to discuss health, safety and environmental issues pertaining to site workers and the adjacent public. Full-time oversight of the remedial construction project included real-time air monitoring using three mini-RAM aerosol monitors and volatile organic vapor meters, collection of waste/soil/air samples for laboratory analysis, health and safety oversight and inspection services and management of weekly health and safety meetings. Perimeter monitoring was conducted to ensure NYSDEC TAGM 4031 procedures regarding fugitive dust suppression and particulate monitoring were documented.

In addition, Watts Engineers prepared a Drum Handling Plan to address the proper removal and disposal of several hundred RCRA hazardous drums filled with waste and the on-site stabilization of the residual drum contents.