



The LiRo Group

Client:

New York City Department of
Environmental Protection
9605 Horace Harding
Expressway
Corona, NY 11368

Reference:

Joseph Ramaglia
718-595-5480

Total Project Cost:

\$30,000,000

Completion Date: 1998

Project Overview:

LiRo provided resident
engineering inspection, start-
up services, and associated
work for the construction of a
new sewage treatment plant
in Margaretville, New York.
(New York City Department
of Environmental Protection,
\$30M, 1998)

Margaretville Sewage Treatment Plant Reconstruction Delaware County, NY

LiRo provided resident engineering inspection, start-up services, and associated work for the construction of a new sewage treatment plant in Margaretville, New York. The new plant replaced the existing plant on the same site and included:

- Preliminary treatment
- Flow equalization
- Primary settling tanks
- Rotating biological contactors
- Secondary settling tanks
- Rapid sand filtration
- Microfiltration
- Chlorination/dechlorination
- Solids handling
- Odor control
- Septage treatment



The construction of the new plant could not impede the operations of the existing plant. It was LiRo's responsibility to ensure that the new plant meets interim Consent Order parameters established by the Omnibus Consent Order between NYCDEP and NYCDEC, while coordinating the transition from the existing to the upgraded plant for the entire construction period.

LiRo's services for this project included:

- Resident engineering inspection
- Evaluation of contract changes
- Preparation of change orders
- Checking of record drawings
- Quality control
- Assistance in start-up
- Training and the preparation of manuals for standard operating procedures and operations and maintenance.

Because the plant is adjacent to wetlands which are tributary to the Pepacton Reservoir, LiRo was required to ensure that the water quality is not negatively impacted by the construction contractor's activities.

Key Features:

- Complete Resident Engineering Inspection Services for New sewage treatment plants.
- Plant start-up.
- Maintenance of existing plant operations.
- Scheduling to meet consent order.