

- Installation of haul road - SES installed a 21-foot wide haul road from the parking area near Palmer Street to the northwest corner of the site. Approximately 18-inches of crushed stone were placed on top of the filter fabric and compacted.
- Demolition and realignment of three (3) existing reinforced concrete boulders.
- Partial demolition of the concrete dam wall.
- Removal of weathered or incompetent bedrock - SES removed weathered bedrock along 150 feet of the south bank of Cattaraugus Creek with a backhoe and placed the excavated materials on the slope of the landfill and behind the reinforced concrete boulders.
- Keying in the riprap - A trench approximately 3 feet deep by 6 feet wide was excavated in the shale bedrock at the toe of the bank to key in the riprap.
- Bank slope - The bank was prepared to a slope of 2H:1V using excavated bedrock and off-site fill material prior to riprap placement.
- Placement of a geotextile fabric - A geotextile fabric was placed between the soil and riprap.
- Placement of quarry stone - A 6-inch thick layer of randomly placed, graded, rough angular quarry stone was placed on top of the geotextile fabric to protect it from damage during the placement of the riprap.
- Armor layer - An armor layer of rough angular, quarry stone units, ranging in size from 2- to 4-feet (cubic dimension) was placed at a thickness of 4-feet.
- Finished revetment slopes - The majority of the finished revetment slopes are 2H:1V.
- Top of revetment - The top of the revetment was completed with the addition of a 6 to 8 inch cobble layer, added between the riprap and top of stream bank.
- Revegetation - Revegetation was necessary due to turf loss in the area where the access road was constructed along the stream bank. Grass seed was applied to this area after the project was complete.

B. USEPA - Approved Modifications

The USEPA did not request any modifications to the approved Final Work Plan during the performance of the construction work required under the order.

C. Materials Removed or Handled On-site

There were no landfill/waste materials removed from the site or handled on-site.

D. Removal and Disposal

This section is not applicable due to the fact that no materials were removed from the site.

E. Ultimate Destination

This section is not applicable due to the fact that no materials were removed from the site.

F. Analytical Results

There were no samples collected or laboratory analysis performed during the course of this project. Therefore, this section does not apply.

G. Relevant Documentation

As required, the relevant documentation generated during the construction of the stream bank stabilization/riprap revetment work has been included as attachments to this report. A list of the attachment follows.

- Attachment A Site Photos
- Attachment B Daily Construction Reports
- Attachment C Submittals for Peter Cooper Corporation Landfill
- Attachment D Daily Air Monitoring Log Sheet
- Attachment E Stream Disturbance Permit
 - E.1 USACE Nationwide Permit 33
 - E.2 NYSDEC Correspondence dated December 3, 1996

H. Expenses

Other than costs incurred by the USEPA the total expenses incurred by NYSEG to implement the removal action required by this Order were approximately \$117,000. Included in this amount are the design, construction and oversight costs.

I. Certifications

ENGINEER'S CERTIFICATION OF COMPLETION

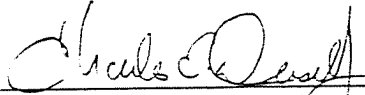
Project: Stream Bank Stabilization Near Peter Cooper Corporation Landfill

Client: New York State Electric & Gas Corporation

Owner's Name: New York State Electric & Gas Corporation
P.O. Box 5224
Binghamton, New York 13902-5224

Contractors: Severson Environmental Services, Inc.

Engineer's Statement: The Engineering firm of URS Consultants, Inc. was retained by NYSEG to provide continuous on-site construction inspection. On the basis of the recommendations provided to the Engineer by his inspector, and periodic visits made to the job site, the Engineer, states that the work has been performed as per the contract documents and that the work has been completed.

Signed: 
Charles E. Dusel, Jr., Project Manager

Date: 2/28/97

FINAL REPORT CERTIFICATION

I certify that this document was prepared under my direction or supervision in accordance with the procedure designed to assure that qualified personal properly inspect, gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for inspection and gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Signed: Charles E. Dusel, Jr. Date: 2/28/97
Charles E. Dusel, Jr., Project Manager

J. Recommendations

URS recommends as a minimum that one (1) inspection per year be conducted to verify the integrity of the riprap revetment. The inspection should be conducted in early summer to evaluate any adverse impact the traditional spring high water conditions may have had on the riprap revetment. Any required maintenance of the riprap can then be completed prior to the next year's high water season.

If you should have any questions, please feel free to contact me at (716) 856-5636.

Sincerely,

URS CONSULTANTS, INC.

Charles E. Dusel, Jr.

Charles E. Dusel, Jr.
Project Manager

cc: M. Doster, P.E. - NYSDEC, Buffalo ✓
Village Engineer - Gowanda
Chief, New York/Caribbean Superfund Branch
M. O'Toole, P.E. - NYSDEC, Albany
J. M. Simone, P.E. - NYSEG
File: 35479 (C-1)