

## Project Progress for the Month of July

### A. Highlights of the month:

- Construction continued on the **Clinton Conveyances Phase I** project. During the month, the contractor (Delaney) continued installation of sheeting, sewers and manholes. Formed and poured walls for another manhole and continued restoration and cleanup efforts. The second microtunneling run was completed on the project with pipe installed under Onondaga Creek from the west side to the east side near Tully St. Due to high level of chlorides in the dewatering wells associated with this portion of construction, the discharge from the wells was re-directed from the creek to the sewers for conveyance to Metro. This phase of the Clinton project is scheduled for completion in the fall of '08.
- Mobilization continued for the **Clinton Conveyances Phase 2A**. Installation of two dewatering wells was completed and installation began on the pipe jacking pits, sheeting and underpinning system on the north side of the elevated railroad. A portion of the street the circles the MOST was closed to vehicular traffic on July 29, 2008.
- Work activities on the **Midland Phase II project** during July included:
  - Addressing punch list items.
  - Testing of various systems within the facility is ongoing.
  - Final grading and landscaping to be completed in the fall.
- Restoration activities were underway this month in the area of **Sewer Separation Project for CSO #050** (Parkway/Rockland). In addition, sections of the former combined sewers under a portion of Bissell and Temple were lined and handicapped ramping was installed on corners. Also the City of Syracuse decided to install green space between the street and the sidewalk on Rockland. Milling of the street and paving will follow.
- Parties to the ACJ continued meeting regularly as agreed to consider alternative CSO control measures regarding the remaining CSO projects of **Clinton and Harbor Brook**.
- During July 2008, the **Skimmer Boat** continued two collection days a week to remove floatable debris from the Inner Harbor area. Under contract with the County, Alpha Boats Unlimited provides the boat and crew that collects trash one day a week during May and goes to two days a week through the main recreational season of June – August. They complete daily logs on their collections that are submitted to the County, tracked and compiled. Locations covered by the skimmer include the Inner Harbor, the stream channel to the lake and the creek outlet at the Lake.
- The County has agreed under the Clinton project to replace a deteriorated sidewalk on the east side of the MOST used by pedestrians with **flexi-pave** –a porous pavement system –

made from recycled tires. MOST officials selected a grey colored pavement which is scheduled for installation in August.

## **B. Progress of Projects Under Construction**

- **Midland Conveyances and Regional Treatment Facility (CSO)**

(ACJ completion date – Phase II RTF – 9/1/05 (revised) & Phase III Conveyance - 5/01/07 further milestone revisions to be determined)

*Phase II construction completed*

All construction work is now completed on the facility and testing period is underway by the contractor.

*Midland Phase III Activities this month:*

- Potential for revisions to Phase III plans being evaluated at this time.

Construction on the Phase III pipeline will begin at the W. Castle St. end and progress over the 2 ½ years towards W. Newell St. No single area will be impacted for the full 2 ½ years and the length of impact along each street is dependent on the size of the pipe to be installed. The pipeline ranges in size from 12' in diameter near W. Castle St. to 4 feet in diameter near Newell St. during the latter stages of construction.

- **Sewer Separation Project – Parkway/Rockland CSO#050**

*Construction to be concluded:*

- Relining a portion of the combined line under a portion of Bissell and Temple was completed this month.
- Restoration of private properties disturbed during construction began this month.
- Road restoration to commence shortly.
- The CSO has been converted to storm water only and no longer discharges combined sewage and stormwater into Onondaga Creek.
- Overall project involved installation of approximately 4,200 feet of new sewer pipeline.

- **Clinton Phase I Conveyances**

*Construction continues to progress*

- Construction began at the end of July '07 and is continuing.
- Installation of manholes, sheeting and sewer lines continues.
- Formed and poured walls for manholes.
- Completed a section of microtunneling under Onondaga Creek.

*Upcoming work*

Work anticipated for the month of August will include:

- Continue installation of manholes, sheeting and sewer conveyance pipelines.
- Continuation of microtunneling operation on west side of creek along West Street.
- Continue site restoration activities.
- Installation of “green” porous pavement for path on east side of MOST.

- **Clinton Conveyances Phase 2 Conveyances**

*Mobilization begins on Contract 2A*

- Mobilization continues on project site and installation of dewatering/test wells completed.
- Contract 2A covers conveyance pipe installation under the elevated railroad to the rear of the MOST and will take in one CSO - #030.

*Upcoming Work*

- Continue installation of geotechnical monitoring instruments.
- Conduct pump test on dewatering wells.
- Install construction fencing and place signage for road detours.

## C. Projects in Design Stage

### **Clinton Regional Treatment Facility (CSO)**

(ACJ date – further amended completion date of 1/1/2013)

*RTF bids rejected*

- The County notified bidders on April 25, 2008 that all bids on the Clinton RTF project were rejected.
- Working with the ACJ parties and others, the County will pursue implementation of alternatives technologies to address the Clinton CSOs that will include green infrastructure projects.

The goal of the Clinton project is to address the abatement of 11 CSOs between Fayette and Oneida Streets located near downtown Syracuse.

### **Harbor Brook CSO Abatement Project (CSO)**

(ACJ further amended completion date January 1, 2013)

*Conveyance & RTF project activities*

- No activities to report this month.

The current planned project for the Harbor Brook CSOs included 2 regional storage and treatment facilities, 4 underground floatables control facilities, upgrading one pumping station and installation of conveyance pipeline to transport CSO flow to the facilities. The two sites identified for purchase for the storage and treatment facilities are on vacant privately owned land. The County along with the other ACJ parties will be evaluating the potential use of green infrastructure in this CSO area as well as Clinton.

**D. Other Activities**

Two RFP’s were issued this month relating to ACJ projects:

- one for repairs to the Harbor Brook FCF
- one for project management and engineering and technical assistance for the work associated with the County’s CSO program and proposed Gray and Green infrastructure improvements as part of a revised long term control strategy.

Both RFP’s were responded to by the return date of July 21 and are currently under review.

**E. Completed Projects**

**Projects completed since July 2002 not included in Interim Projects**

- Ammonia/Phosphorus Removal Combined Project (Metro)
- West St. Sewer Separation (CSO #057, 058 and 059)
- Water St. Sewer Separation (CSO #024)
- Brighton Sewer Separation Project (CSO # 053 and 054)
- Tallman/Onondaga Sewer Separation Project (CSO # 038,040, 046a and 046b)
- South Ave./Bissell St. Sewer Separation (CSO # 047 and 048)

**E. Major Milestones met for CSO Interim Projects**

The following is a summary of the projects completed under Appendix B page 10 –12 of the Amended Consent Judgment. Each of these ten CSO-related projects had a major milestone completion date of July 1, 2002. Some of these “interim” projects were completed well ahead of the major milestone date and all except two met the original major milestone date.

The projects are listed below chronologically by date completed:

| <b>Project</b>                        | <b>Completion Date</b> |
|---------------------------------------|------------------------|
| <b>Evaluation of Siphon Crossings</b> | May 1999               |

|  |  |
|--|--|
| <b>Hiawatha Regional Treatment and Storage</b>   | July 2001  |
| <b>Newell Regional Treatment Facility</b><br>Disinfection Tested and Report filed.                   | July 2001  |
| <b>Teall Brook Floatables Control Facility</b>   | December 2001  |
| <b>Evaluation of CSO Toxicity</b>  | May 2002   |
| <b>Erie Boulevard Storage System Upgrade</b>   | June 2002  |
| <b>Onondaga Creek Floatables Control Facility</b><br>Skimmer boat in operation beginning summer '02. | June 2002  |
| <b>Harbor Brook Floatables Control Facility</b>  | July 2002  |
| <b>Harbor Brook CSO Abatement</b>  | Milestone revision to January 1, 2012 under ACJ amendment signed 12/14/06. |
| <b>Kirkpatrick St. Pump Station Upgrade and Force Main</b>   | November 1, 2002   |

### **Major Milestones Met for Metro Interim Projects**

Under Appendix A of the ACJ, certain improvement projects at Metro were designated as interim projects and given a major milestone date for completion of July 1, 2002. All six projects were completed by the milestone date and most well ahead of schedule. The projects are listed below by date completed:

| <b>Project</b>  | <b>Date Completed</b> |
|---|-----------------------|
| <b>Phase II Plant Improvements</b>                    | January 1999          |
| <b>Aeration System Upgrade</b>                        | January 2000          |
| <b>Odor Control and Residual Handling</b>             | December 2000         |
| <b>Digester Modifications –Phase III Improvements</b> | December 2000         |
| <b>Chemical Storage</b>                               | April 2001            |
| <b>Digital System Improvements</b>                    | December 2001         |

### **F. Ambient Monitoring Program**

- **Summary of Sampling Program**

*Tributary Sampling conducted this month included:*

- Biweekly tributary sampling conducted on July 8 and 22.
- Have completed 6 high flow sampling events for 2008.
- Special Onondaga Creek samples relating to dewatering activities on the Clinton project were collected at Dorwin Ave., Adams and Water Streets on July 2, 15 and 28.

*Lake Sampling conducted this month included:*

- Lake weekly sampling events were conducted on July 7 and 21.
- South deep biweekly and special weekly sampling conducted July 1, 15 and 29.

*Seneca River Monitoring*

- On July 24, conducted the full three rivers sampling event (Seneca, Oneida and Oswego Rivers) to support completion of the Three Rivers Water Quality Model. 16 river buoy locations were sampled along with three Onondaga Lake Outlet sites.

*Fisheries Sampling*

- Collected pelagic larvae sampling on July 11 and 31. This is done every 2 weeks from April through July. Have completed sampling event #8 of 8 required events.
- Completed event #2 of 6 juvenile seine events of littoral young of the year on July 18 and 21 to be completed every 3 weeks from July –October.
- Completed three events with Wednesday/Thursday Night Salt City Bassmasters' weekly tournament and one event of the Salt City Junior Bassmasters' Tournament on July 2, 9, 10 and 30.

*Macroinvertebrate Sampling*

- On July 14, 16 and 17, AMP crews completed sampling for macroinvertebrates and habitat assessments in the tributaries at 10 locations.
- On July 28, started laboratory sorting and QA/QC of the tributary macroinvertebrate samples collect earlier in the month.

## **G. Contracts**

### **New Contracts**

- None to Report.

### **Amendments to Existing Contracts**

- **Midland Avenue RTF & Conveyances**
- Contract with Environmental Engineering Associates (EEA) amended for additional design services and Phase III re-design.
- Contract Amendment Amount: \$339,933.73. Executed: 7/21/08.

## **Change Orders**

- **Biosolids Handling Improvements**
- Contract with Ridley Electric Company, Inc. amended to include various modifications including relocating sludge recycle pump VFDs, additional wiring of the co-generator and replacing float switches and centrifuge feed pump pressure switches.
- Contract Change Order Amount: \$20,819.00. Executed: 7/8/08.

## **H. Legislative Action**

- **Action items of the County Legislature in the month of July:**
  - No items.
- **Upcoming for August Legislative Session:**
  - No items.
- **Upcoming for August Committee:**
  - Amending the 2008 County Budget to accept a grant under the Urban and Community Forestry Program in an amount up to \$75,000.

## **I. Funding**

### **Grants**

#### **State Bond Act Funds**

- **Clinton Conveyances & RTF**  
Received Request in the amount of \$651,221.20 on 7/25/08 for total amount received of \$9,184,267.

**Total payments received to date in State Bond Act funds - \$112,069,517.**

#### **Federal EPA Funds**

- None to report.

**Total received to date in Federal EPA Funds - \$83,040,897.**

#### **Federal Army Corps of Engineers Funds**

- **Sewer Separation (CSO 050)**  
Received Request in the amount of \$117,635.20 on 7/2/08.

**Total received to date from US Army Corps of Engineers Funds - \$11,585,794.**

**Loans**

- **The following reimbursement payments were received from EFC during the month of July:**
  
- **Sewer Separation (CSO 050)**  
Received Request in the amount of \$118,596.21 on 7/25/08.
  
- **Sewer Separation (CSO 038,040,046A&B)**  
Received Request in the amount of \$227.50 on 7/25/08.
  
- **Sewer Separation (CSO 047&048)**  
Received Request in the amount of \$90,408.06 on 7/25/08.
  
- **Biosolids Handling Improvements**  
Received Request in the amount of \$101,899.60 on 7/25/08.

**Total reimbursement monies received to date through EFC Loans for the funded ACJ projects: \$161,748,040 (short term), \$35,629,322 (long term).**