



**ONEIDA COUNTY DEPARTMENT OF
WATER QUALITY & WATER POLLUTION CONTROL**

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Anthony J. Picente, Jr.
County Executive

Steven P. Devan, P.E.
Commissioner

October 28, 2016

Gregg Townsend, P.E.
Regional Engineer
NYS Department of Environmental Conservation
317 Washington Street
Watertown, NY 13601

UNITED PARCEL SERVICE

Koon Tang, P.E., Director
Bureau of Water Permits
Division of Water
NYS Department of Environmental Conservation
625 Broadway, 4th Floor
Albany, NY 12233

Re: Oneida County Sewer District
Quarterly Progress Report – 3rd Quarter 2016

Consent Order No. R6-20060823-67

Dear Mr. Townsend and Mr. Tang:

On behalf of Oneida County, I am providing for your review and comment Oneida County's Quarterly Progress Report for the 3rd Quarter – 2016 as required per Section XIII – Reporting Requirements of the Consent Order. This document summarizes the status and progress of work completed between July 1, 2016 and September 30, 2016 in support of Consent Order compliance requirements.

Please feel free to contact me should you have any questions or need additional information.

Sincerely,

**THE ONEIDA COUNTY DEPARTMENT OF
WATER QUALITY & WATER POLLUTION CONTROL**

Steven P. Devan, P.E.
Commissioner

Enclosure: Quarterly Progress Report – 3rd Quarter 2016

cc: Anthony J. Picente, Jr. - Oneida County Executive
Peter M. Rayhill, Esq. – Oneida County Attorney
Karl E. Schrantz, P.E. – O'Brien & Gere Engineers, Inc.
Howard LeFever, P.E. – GHD Consulting Services, Inc.
Judy Drabicki, - NYSDEC
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Michael O'Neil, P.E. - NYSEFC

**SANITARY SEWER COLLECTION SYSTEM
QUARTERLY PROGRESS REPORT
3RD QUARTER – 2016
ONEIDA COUNTY SEWER DISTRICT**

NYSDEC Consent Order R620060823-67



Prepared for

**Oneida County Department of Water Quality
& Water Pollution Control**

**Steven P. Devan, P.E., Commissioner
51 Leland Avenue
Utica, NY 13502**

OCTOBER 28, 2016



Cazenovia, NY



Syracuse, NY



Utica, NY

**Sanitary Sewer Collection System
Quarterly Progress Report
3rd Quarter - 2016
Oneida County Sewer District
NYSDEC Consent Order R620060823-67**

Prepared for:

**Oneida County Department of Water Quality &
Water Pollution Control**

Prepared by:

**O'Brien & Gere Engineers, Inc.
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October 28, 2016

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1.0 INTRODUCTION

1.1 HISTORICAL BACKGROUND

The Oneida County Sewer District (District) was formed in 1965 through an act by the former Oneida County Board of Supervisors. It is administered by Oneida County through the Oneida County Department of Water Quality and Water Pollution Control (WQ&WPC), which is responsible for the operation of the District's facilities and personnel. District facilities include 45 miles of interceptor sewers, the Sauquoit Creek Pumping Station (SCPS), the Barnes Avenue Pumping Station, and the Water Pollution Control Plant (WPCP). The District services 15 municipalities, nine of which are within the SCPS Basin. These municipalities own and operate their own collection systems.

1.2 PURPOSE

The New York State Department of Environmental Conservation (NYSDEC) and Oneida County (County) entered into a Consent Order (No. R620060823-67) due to sanitary sewer overflows (SSO) at the SCPS. In addition to the required mitigation of those SSO's, the Consent Order, with an effective date of December 12, 2011, requires the submission of Quarterly Progress Reports. The intent of this Quarterly Progress Report is to summarize the work that has been undertaken by the County between July 1, 2016 and September 30, 2016 (3rd Quarter of 2016) in support of the Consent Order compliance requirements.

2.0 ENGINEERING INVESTIGATIONS AND EVALUATIONS

During the 3rd Quarter of 2016, the County completed the following tasks related to engineering investigations and evaluations.

2.1 COLLECTION SYSTEM

2.1.1 Manhole Inspections

The manhole inspection program was completed in 2012. There were no additional manhole inspections completed during the 3rd Quarter of 2016.

2.1.2 Sanitary Sewer Televising

There are approximately 216 miles of sanitary sewer within the SCPS basin (30 miles of District interceptor sewer plus 186 miles of municipal sewer). In 2011, the County contracted with a firm (National Water Main Cleaning Co.) to perform closed circuit televising (CCTV) of these sanitary sewers. Televising data was collected electronically in the field using the nationally standardized Pipe Assessment and Certification Program (PACP) and incorporated into the County's data management software.

The 2011 initial televising contract, resulted in approximately 79%, or 171 miles of the 216 miles of sewers being televised. The remaining 21%, or 47 miles of sewers, were not inspected at that time due to heavy debris in quantities beyond the scope of the contractual cleaning effort; small diameter pipe inhibiting effective CCTV inspections; lack of easement access to manholes and sewers, and buried manholes. These obstacles are primarily maintenance related and are being addressed through the District-wide Capacity, Management, Operations, and Maintenance (CMOM) program currently in various stages of implementation. Efforts are being made to CCTV and inspect additional sewers as a component of current and future sewer rehabilitation contracts.

During the 3rd Quarter 2016, approximately one mile of sewer was televised under Sewer Rehabilitation Contract 11. Including the original CCTV contract, and subsequent CMOM and rehabilitation related CCTV, a total of approximately 178 miles of sewer, or 82% of the total sewers in the SCPS basin have been televised.

2.1.3 Dye Testing

The dye testing program was completed in 2012. There was no additional dye testing performed during 3rd Quarter 2016.

2.2 TREATMENT FACILITIES

Most of the investigations and evaluations have been completed. The WPCP, SCPS and New Force Main are in various stages of design, review, bidding, and construction. Table 2 summarizes how the work has been segregated and the status of each of the various planned construction contracts. Note: Contract numbers identified for the work at the WPCP and the SCPS/Force Main (C-1 through C-8), do not correlate to the sanitary sewer rehabilitation contracts (Contracts 2-14).

A phosphorus evaluation is currently being conducted to characterize the WPCP's seasonal influent and effluent phosphorus concentrations, and to evaluate phosphorus removal technologies. The sampling and laboratory analysis was completed during 3rd Quarter 2016. A draft report will be developed during 4th Quarter 2016 and reviewed with the County.

Table 2

Oneida County Sewer District Summary of Contracts 3Qtr 2016										
Water Pollution Control Plant and Sauquoit Creek Pumping Station/Force Main										
Contract No.	Title of Contract	Components of System Addressed	Status of Design	Status of DEC Review	Status of other Agency Reviews	Estimated Advertisement	Estimated Construction Start	Construction Progress	Estimated Construction Complete	
1	Incinerator No. 2 Demolition	Demolition of Incinerator No. 2	Final	Approved	n/a	Bidding occurred during 1Q 2016; however, due to the outcome of bids, the demolition was added to Contract 2 by addendum on May 25, 2016.				
2	WPCP Solids Handling Upgrades	1 secondary digester w/gas holding cover, new waste activated sludge pumps, refurbish 4 gravity thickeners, new stand-by lime stabilization system, 2 new belt filter presses	Final	Approved	n/a	Advertised April 4, 2016	September 2016	Construction Mobilization and Initial Site Work began in 3rd Q 2016	April 2019	
3	Electrical Equipment Pre-Purchase	Pre-purchase of major electrical components such as switch gears, transformers, and supporting power distribution equipment	60%	n/a	Pending National Grid approval, Stage A submitted in February 2016	April 2017	January 2018	n/a	November 2018	
4	Sauquoit Creek Force Main Upgrades	New 48-inch force main and rehabilitation of the existing force main, new flow metering and flow control vaults	Final	Submitted April 15, 2016	Pending US Army Corps/DEC wetland permit, submitted October 2015	January 2017	March 2017	n/a	October 2019	
5	Sauquoit Creek Pumping Station Upgrades	Replacement of existing pump station mechanical screen contained in a new screen building, 2 screenings washer/compactors and conveyor; replacement of existing standby generator capable of operating the station to pump peak flow during a power outage; electrical/HVAC upgrades; flow distribution structure at the WPCP	Final	Submitted April 25, 2016	n/a	November 2016	February 2017	n/a	September 2018	
5.1	Barnes Avenue Pumping Station Upgrades	Relocation of pumping station to south side of CSX Railroad right-of-way; new, smaller, sustainable pumping station sized to accommodate actual flow rates.	0%	n/a	n/a	February 2017	May 2017	n/a	January 2018	
6	WPCP Headworks Upgrades	New screening facility and pump station dedicated to sanitary flows from North Utica & Starch Factory Creek Interceptors; repurpose existing raw waste building for combined flow from City of Utica; new grit removal facilities; remodeling of the administrative building including new laboratory, control room, offices, training room, etc.	90%	Estimated submittal October 2016	n/a	January 2017	May 2017	n/a	July 2019	
7	WPCP Primary Treatment Upgrade/High Rate Disinfection	New rectangular primary settling tanks to replace existing circular tanks; new high rate disinfection system for wet weather combined sewer flows; new HRD outfall	90%	Estimated submittal January 2017	n/a	April 2017	August 2017	n/a	April 2021	
8	WPCP Secondary Treatment Process Upgrades	Replacement of existing blowers with more efficient units, replacement of existing aeration tank diffusers, refurbishment of the existing final settling tanks	30%	Estimated submittal July 2018	n/a	January 2019	May 2019	n/a	July 2021	



3.0 MANAGEMENT PROGRAMS

3.1 COMPUTERIZED MANAGEMENT AND MAINTENANCE SYSTEM

The County purchased a Computerized Management and Maintenance System (CMMS) software system (Lucity) in 2009. This software is used to manage the sewer system data (mapping, inspections, etc.) obtained to date by the County. At the same time that the software was acquired, the County invested in computer hardware upgrades to support the CMMS. The County's geographic information system (GIS) coordinator manages the system.

The County continues to utilize the CMMS for tracking and documenting sewer rehabilitation work, and uploading and managing new PACP data provided by the County's CCTV and sewer rehabilitation contractors on a regular basis.

The Consultant Team utilizes the CMMS in support of the sanitary sewer rehabilitation design efforts as a means to identify defects and develop rehabilitation methodologies.

The County continues to maximize the use of its current CMMS software. At the same time, the County, with the assistance of the Consultant Team, continues to assess ways to optimize the CMMS with the long term expanded asset management needs for the wastewater system. As a result, the County has begun to explore potential alternative software. It is anticipated this research of alternative software systems will continue as opportunities become available.

3.2 FLOW MONITORING PROGRAM

The County worked closely with the Dormitory Authority of the State of New York (DASNY) to secure the \$950,000 Economic Development Assistance Program (EDAP) funding allocation to support the extensive flow monitoring program proposed by the County and approved by NYSDEC on August 24, 2012.

The EDAP funds were ultimately made available by DASNY to the County in March 2014. Procurement of the flow monitoring equipment was advertised on June 9, 2014. Contract was awarded on September 10, 2014 to ADS Environmental Services, LLC (ADS). ADS completed the installation of 63 flow meters and five rain gauges in 2015. Two of the meters were installed to monitor flow to the County's Barnes Ave Pumping Station. The other two are used to monitor flow in two of the City of Utica's combined sewers to aid in hydraulic model calibration and confirmation. All flow meters and rain gauges have been reliably collecting flow data since their installation.

3.3 PRIVATE PROPERTY INFLOW AND INFILTRATION REDUCTION PROGRAM

The document titled "Preliminary Planning Document – Private Property Inflow and Infiltration Reduction Program" was submitted to NYSDEC on June 29, 2012 as required by Schedule A - Section B.2 of the Consent Order. The County, working through the Steering Committee, created a working group of appropriate private property inflow and infiltration (PPII)-oriented community representatives to map out a phased implementation plan.

During the full Steering Committee meeting on April 20, 2016, the County, consultant team, and committee members engaged in discussion regarding the most efficient and productive meeting format for 2016. It was agreed that the best approach would be to hold individual meetings in those municipalities requesting a meeting to allow focus on community-specific needs. Full Steering Committee meetings will still be held, as a forum for reporting progress.

The consultant team began providing brief presentations to town and village board officials to update them on the overall OCSD project during the 3rd Quarter. Individual presentations were made to the Village of New Hartford, Town of Paris, Town of Whitestown and Village of Clayville.

Conceptual design of a small pilot PPII reduction project in the Town of Paris was developed in the 4th Quarter of 2015. On June 27, 2016, this conceptual design and a project estimate was presented to interested Town of Paris Officials for review with a request for concurrence from the Town to submit a request for project funding through the Consolidated Funding Application (CFA) process. The conceptual project was again presented to the Town Board on July 13, 2016, where some concerns were raised by Town officials regarding funding for the project, and the legality of spending public funds on private property. Given these concerns, a short timeline for assembling and submitting a funding application, the extreme competitive nature of the CFA applications, and the highest priority being disinfection projects for this year's round of Water Quality Improvement Project (WQIP) funding, a CFA application was not submitted. Opportunities for funding to advance this project will continue to be sought out.

3.4 CAPACITY, MANAGEMENT, OPERATIONS AND MAINTENANCE PROGRAM

The document titled "Preliminary Planning Document – Proposed CMOM Framework – Sauquoit Creek Pumping Station Basin Communities" was submitted to NYSDEC on June 29, 2012 as required by Schedule A – Section B.3 of the Consent Order. The County, working through the Steering Committee, created a working group of appropriate CMOM-oriented community representatives to map out a phased implementation plan.

During the full Steering Committee meeting on April 20, 2016, the County, consultant team, and committee members engaged in discussion regarding the most efficient and productive meeting format for 2016. It was agreed that the best approach would be to hold individual meetings in each municipality to allow focus on community-specific needs. Full Steering Committee meetings will still be held as a forum for reporting progress.

The consultant team made brief presentations to town and village board officials to update them on the overall OCSD project. Individual presentations were made to the Village of New Hartford, Town of Paris, Town of Whitestown and Village of Clayville.

The consultant team is working with the County Department of Health to finalize the fats, oils, and grease (FOG) inspection process. Joint inspections of food service establishments will tentatively begin in 2017. Inspections are the next step in implementation of the FOG program.

During the last week in July 2016, it was discovered that a plug in the abandoned historic outfall to the Mohawk River from the Village of Whitesboro sewer system failed, causing some sewage to be released from the Oneida County Sewer District's Whitesboro-Oriskany Interceptor Sewer through that abandoned outfall.

A sewer contractor was immediately brought in to temporarily plug the line and stop the leak. The following week, a permanent repair was made, permanently severing and plugging the outfall outside the manhole.

During the investigations and repair of this overflow, it was found that there was a significant amount of debris in the downstream interceptor sewer, limiting its capacity. In response, the County hired a sewer cleaning and televising contractor, and approximately 2,800 feet of County interceptor sewer was cleaned and televised.

Cleaning activities revealed a large amount of rags, clothing, and trash were collecting in this section of sewer which triggered an inspection of the upstream siphon under Oriskany Creek due to concerns about the debris plugging the smaller diameter siphon pipes. That inspection in turn triggered cleaning and maintenance work to the upstream and downstream siphon structures and pipes to improve hydraulics and restore capacity.

4.0 SCHEDULE/MILESTONE DATES

4.1 APPROVED SCHEDULE

The following table represents the approved schedule as defined by the Consent Order (note that there were no changes to this schedule during the 1st Quarter of 2016):

Description	Consent Order, Schedule "A" Date	Status
<u>Engineering Investigations and Evaluations</u>		
Dye Testing and Storm Sewer Report	June 30, 2012	Complete, Submitted June 29, 2012
Manhole Evaluation Report – Phase II	June 30, 2012	Complete, Submitted June 29, 2012
SCPS Evaluation Report	August 31, 2012	Complete, Approved November 28, 2012
WPCP Evaluation Report	August 31, 2012	Complete, Approved November 28, 2012
Treatment System Supplement (Report)	60 days after approval of WPCP Evaluation Report	Complete, Submitted January 25, 2013
Sewer CCTV Inspection Report – Phase II	April 30, 2013	Complete, Submitted April 25, 2013
Sewer CCTV Inspection Report – Phase III	April 30, 2014	Complete, Submitted April 29, 2014
Collection System Supplement (Report)	May 31, 2014 (extension granted to July 1, 2014)	Complete, Submitted June 30, 2014 Approved December 18, 2014
<u>Management Programs</u>		
Flow Monitoring Program	March 31, 2012	
Private Property I/I Reduction Program	June 30, 2012	Complete, Submitted June 29, 2012
CMOM Program	June 30, 2012	Complete, Submitted June 29, 2012
PPII Reduction Program Implementation	May 31, 2013	Began implementation in 4 th Quarter 2012
CMOM Implementation	May 31, 2013	Began implementation in 4 th Quarter 2012
Asset Management Plan	December 31, 2021	Pending
<u>Remedial Measures</u>		
Semi-Permanent Alternative-Construction	December 31, 2016	Final design and permitting. A formal request to modify this date and eliminate the semi- permanent alternative was submitted by the County to NYSDEC on 9/6/2016.

Description	Consent Order, Schedule "A" Date	Status
SSO Mitigation-Consent Order Compliance	December 31, 2021	In progress
Reporting		
Annual Work Plan	January 31, Annually	Completed annually. 2016 report submission approved March 8, 2016
Quarterly Progress Report	Quarterly	Submitted quarterly

Note: I/I – Inflow and Infiltration

4.2 MILESTONES

During the 3rd Quarter of 2016, the following milestone dates were met:

- Continuing to make progress toward compliance milestones.
- No specific milestones defined/requested during the 3rd Quarter of 2016.

5.0 SEWER REHABILITATION

Design and construction for initial projects are being financed under CWSRF Project No. C6-6070-08-00. Projects are tracked by contract number. The following is a status update of the current sewer rehabilitation contracts.

5.1 COMPLETED SEWER REHABILITATION CONTRACTS

Contract No.	Contract Title	Contract Description	Current Contract Amount
2	Sanitary Sewer Manhole Rehabilitation – Phase 2	Rehabilitation of approximately 1,278 sanitary sewer manholes throughout the District.	\$1,529,131.73
3	Sanitary Sewer Mainline Rehabilitation – Phase 1	Rehabilitation of approximately 13 miles of sanitary sewers within the villages of New York Mills, Oriskany, New Hartford, Whitesboro, and Yorkville and the towns of New Hartford and Whitestown.	\$1,916,428.54
4	Sewer Separation – Clinton/Henderson Street, NY Mills	Storm/Sanitary sewer separation.	\$155,007.51
5	Sewer Repairs and Rehabilitation	Storm/Sanitary sewer repairs and rehabilitation; manhole replacement and UV-CIPP lining.	\$411,841.66
6	Sanitary Sewer Mainline Rehabilitation – Phase 3	Rehabilitation of approximately 15 miles of sanitary sewer within the villages of New Hartford and Clayville, towns of New Hartford and Paris and the City of Utica.	\$2,086,525.00 ⁽¹⁾
7	Sanitary Sewer Mainline Rehabilitation – Phase 4	Rehabilitation of approximately 13 miles of sanitary sewer within the Towns of New Hartford and Whitestown.	\$2,060,655.00 ⁽¹⁾
(1)-Contract bid amount, values are subject to change upon submission of final contractor closeout documentation.			

5.2 CONTRACT 5 - SEWER REPAIRS AND REHABILITATION

Contract 5 work is complete; closeout documentation and a final change order have been submitted.

5.3 CONTRACT 6 - SANITARY SEWER MAINLINE REHABILITATION – PHASE 2

Contract 6 work is complete; it will be closed out pending receipt of project closeout documentation.

5.4 CONTRACT 7 - SANITARY SEWER MAINLINE REHABILITATION – PHASE 3

Contract 7 work is complete; it will be closed out, pending receipt of project closeout documentation.

5.5 CONTRACT 8 - SANITARY SEWER MAINLINE REHABILITATION – PHASE 4

Contract 8 was awarded to National Water Main Cleaning Company (NWMC) on March 15, 2015. Work is being performed within NHD-23 sewershed in the Town of New Hartford, and consists of pipe grouting, lateral grouting, open cut, spot repairs, and a limited amount of full length CIPP lining. Contract 8 includes 13,700 LF of sanitary sewer CCTV followed by additional rehabilitation where necessary. A total of 14 miles of pipe in the Town of New Hartford will be rehabilitated under Contract 8. Total contract value is \$1,525,036.97.

Through the end of the 3rd Quarter of 2016, work is approximately 98% complete. Work on Contract 8 will be completed during the 4th Quarter of 2016.

5.6 CONTRACT 10 - SANITARY SEWER MAINLINE REHABILITATION – PHASE 5

On September 9, 2015, the County awarded Contract 10 to Green Mountain Pipeline Services, Inc. (GMPS) for \$3,429,370. Execution of a construction contract between Oneida County and GMPS was delayed due to protracted MWBE utilization plan coordination between GMPS and NYSEFC. Construction will begin during the 4th Quarter of 2016.

Contract 10 rehabilitation work will occur in the Town of Whitestown in sewershed WHN-32, and the Village of Whitesboro. WHN-32 is generally located west of Henderson Street, north of Mud Creek, south of Clinton Street and east of Clinton Road and contains approximately 7.1 miles of pipe. Approximately 10 miles of pipe will be rehabilitated in the Village of Whitesboro. Contract 10 consists of a mix of CIPP lining, pipe joint and lateral grouting, open cut repairs, spot repairs, and supplemental CCTV inspections.

5.7 CONTRACT 11 - SANITARY SEWER MAINLINE REHABILITATION – PHASE 6

On December 9, 2015, the County awarded Contract 11 to NWMC for \$760,755.

Contract 11 consists of a mix of pipe joint and lateral grouting, open cut repairs, CIPP spot liner repairs, and supplemental CCTV inspections. Contract 11 rehabilitation work is occurring in sewershed NHD-20. NHD-20 is generally located in the area of Chapman Road, Higby Road, Mohawk Street, and side streets in the Town of New Hartford and contains approximately 7.3 miles of pipe.

Contract 11 work started in January 2016, and through the end of the 3rd Quarter 2016, approximately 95% of the work was complete. During the 3rd Quarter, NWMC obtained an approval of its MWBE utilization plan from NYSEFC. As a result, NYSEFC is now able to release funds to pay for the construction work. Work on Contract 11 will be completed during the 4th Quarter of 2016.

5.8 VILLAGE OF YORKVILLE SEWER REHABILITATION PROJECT (FORMERLY CONTRACT 12 - SANITARY SEWER MAINLINE REHABILITATION – PHASE 7)

Design of the Village of Yorkville Sewer Rehabilitation project is complete and has been submitted for NYSDEC and NYSEFC approval.

The work will occur in the Village of Yorkville (sewershed YKV-1), in areas not previously rehabilitated under prior Oneida County contracts.

The Village of Yorkville will directly fund and undertake this project to repair, rehabilitate, replace, and/or reconstruct deteriorated sewers owned and operated by the village which are tributary to the Sauquoit Creek Pumping Station. Work will include manhole rehabilitation, sanitary sewer rehabilitation (CIPP, grouting, spot repairs, etc.), sanitary sewer replacement/reconstruction and stormwater system improvements to accommodate I/I removal. This work will supplement work previously financed by Oneida County.

The Village of Yorkville submitted a CWSRF financing application in April 2016 and is in the process of finalizing its low interest loan with NYSEFC. A January 2017 closing is anticipated. Additionally, the Village submitted an application for a Water Infrastructure Grant and was awarded \$1,050,000 in August 2016 with the funds to be applied to this project. Additionally, the Village applied for a Water Quality Improvement Grant through the Regional Economic Development Council's Consolidated Funding Application process. Announcements on those grant awards are expected in December 2016.

This project is anticipated to advertised for bid in the 4th Quarter of 2016 with a construction contract award made pending the closing on the CWSRF financing.

5.9 CONTRACT 13 - SANITARY SEWER MAINLINE REHABILITATION – PHASE 8

Contract 13 - Sanitary Sewer Mainline Rehabilitation Phase 8 was advertised for public bidding on September 8, 2016.

Contract 13 rehabilitation work will occur in the Town of New Hartford within areas of sewershed NHD-6. NHD-6 is generally located within residential subdivisions along Routes 12B and Merritt Place, situated south of Route 5B and Seneca Turnpike, and north of Sherrill Brook Park. Contract 13 is similar in scope to previous rehabilitation contracts, but also includes easement improvements along Mud Creek Interceptor.

Project bids will be received and a Notice of Award be issued during 4th Quarter 2016.

5.10 CONTRACT 14 - SANITARY SEWER MAINLINE REHABILITATION – PHASE 9

Final design of Contract 14 - Sanitary Sewer Mainline Rehabilitation, Phase 9 is complete.

Contract 14 rehabilitation work is anticipated to occur in the Town of New Hartford within areas of sewershed NHD-9. NHD-9 is generally composed of the commercial district along Seneca Turnpike surrounding Sangertown Square Shopping Mall, south to a residential area situated between Seneca Turnpike and Clinton Road (bound easterly to the intersection of Seneca Turnpike/Clinton road and westerly to Miles Elementary School) and a small residential area south of Clinton Road along Merritt Place. Contract 14 is similar in scope to previous rehabilitation contracts.

Documents were submitted to NYSDEC and NYSEFC for review in 3rd Quarter 2016. Contract 14 is expected to be bid in 4th Quarter 2016.

5.11 CONTRACT 16 – SANITARY SEWER MAINLINE REHABILITATION – PHASE 10

Contract 16 is in preliminary design.

Contract 16 rehabilitation work will occur in the Town of Whitestown within areas of sewersheds WHN-34, WHN-35, WHN-12, and WHN-36. The project area is situated within the residential area along Westmoreland Road and West Street, south of the New York State Thruway, and north of Clinton Road. The scope of work in Contract 16 is expected to be similar to previous rehabilitation contracts.

Contract 16 is expected to progress to final design during the 4th Quarter 2016.

6.0 ASSESSMENT OF REHABILITATION EFFECTIVENESS

See Section 3.2 above for a discussion of the status of flow monitoring. Based on the completed work, and using estimated values of inflow and infiltration (I/I) removals provided in the Offset Plan and/or the approved Basis of Design engineering reports for the respective projects, the reductions in I/I are estimated to be:

Sewer Rehabilitation Contract	Estimated I/I Flow Removed (gpd)
Contract 2 – Sanitary Sewer Manhole Rehabilitation, Phase 2	5,411,910
Contract 3 – Sanitary Sewer Mainline Rehabilitation, Phase 1	1,503,360
Contract 4 – Sewer Separation – Clinton/Henderson St (NY Mills)	264,000
Contract 5 – Sewer Repairs and Rehabilitation	120,000
Contract 6 – Sanitary Sewer Mainline Rehabilitation Phase II	1,130,000
Contract 7 – Sanitary Sewer Mainline Rehabilitation Phase III	630,000
Contract 8 – Sanitary Sewer Mainline Rehabilitation Phase IV	249,000 (upon completion)
Contract 10 – Sanitary Sewer Mainline Rehabilitation Phase V (partially complete)	1,120,000 (upon completion)
Contract 11 – Sanitary Sewer Mainline Rehabilitation Phase VI (partially complete)	260,640 (upon completion)
Contract 12 – Sanitary Sewer Mainline Rehabilitation Phase VII (project expected to be bid in 4Q 2016)	824,832 (upon completion)
Contract 13 – Sanitary Sewer Mainline Rehabilitation Phase VIII (project bid in 3Q 2016)	280,000 (upon completion)
Contract 14 – Sanitary Sewer Mainline Rehabilitation Phase IX (project expected to be bid in 4Q 2016)	360,000 (upon completion)
Contract 16 – Sanitary Sewer Mainline Rehabilitation Phase X (preliminary design)	410,000 (preliminary estimate)

7.0 COMPLETED CAPITAL PROJECTS/FACILITY UPGRADES

Contract 2 – Sanitary Sewer Manhole Rehabilitation: Project was completed/closed in 2014.

Contract 3 – Mainline Sewer Rehabilitation – Phase 1: Project was completed/closed in June 2015.

Contract 4 – Clinton Street Sewer Separation - New York Mills: Project was completed/closed in November 2014.

The following projects are complete with respect to the rehabilitation components of construction. The County is in the process of administrative contractual closeout.

Contract 5 – Sewer Repairs and Rehabilitation

Contract 6 – Sanitary Sewer Mainline Rehabilitation – Phase 3

Contract 7 – Sanitary Sewer Mainline Rehabilitation – Phase 4

8.0 I/I OFFSET PROJECTS/NEW FLOWS

During the 3rd Quarter of 2016, the following additions and subtractions to the I/I Offset Credit Bank were recorded by the County. All amounts are reported in gallons per day (gpd), after the application of the 5:1 offset ratio.

Community	Starting Balance	Credits Added	Location	Credits Used	Ending Balance
Town of New Hartford	472,169		212 Jack's Way – Lot 27 Applewood (328.000-2-1)	240	470,649
			46 Overland Dr. Cherrywood (328.000-2-26)	320	
			52 Overland Dr. Cherrywood (328.000-2-26)	320	
			44 Overland Dr. Cherrywood (328.000-2-26)	320	
			47 Cherrywood Blvd. Cherrywood (328.000-2-26)	320	
Town of Paris	96,680	0		0	96,680
Town of Whitestown	135,426	0		0	135,426
Village of Clayville	28,829	0		0	28,829
Village of New Hartford	59,510	0		0	59,510
Village of New York Mills	163,787	0		0	163,787
Village of Oriskany	103,466	0		0	103,466
Village of Whitesboro	163,599	0		0	163,599
Village of Yorkville	160,282	0		0	160,282
Oneida County Business Park	43,027	0		0	43,027
Oneida County Sewer District	24,710	0		0	24,710
Totals	1,451,485	0		1,520	1,449,965

9.0 KEY PERSONNEL CHANGES

Key personnel changes, as they relate to the SSO Mitigation/Consent Order compliance project, are interpreted to be those staff members, whose addition to or deletion from the project would be viewed by the County to either add resources, or be a detriment to progress. Project staff includes County, satellite community, and Consultant Team personnel. The following is a summary of changes.

9.1 COUNTY STAFF

During the 3rd Quarter of 2016, there were no changes of key personnel to report.

9.2 SATELLITE COMMUNITY STAFF

During the 3rd Quarter of 2016, there were no changes of key personnel to report.

9.3 CONSULTANT TEAM STAFF

During the 3rd Quarter of 2016, there were no changes of key personnel to report.

10.0 ADMINISTRATIVE ITEMS

10.1 WORK AUTHORIZATIONS

No new work orders were authorized during the 3rd Quarter of 2016.

10.2 PROJECT FINANCING

The following listing is from the CWSRF 2016 Final Intended Use Plan (IUP), issued in November 2015 for the County:

CWSRF PROJECT #	PROJECT NAME	TOTAL IUP AMOUNT
C6-6070-08-00 (Long-term financed)	I/I CORR [9 CONTRIBUTING COMMUNITIES] Phase 1 and 2a	⁽¹⁾ \$10,078,438 (includes \$4M Principal Forgiveness)
C6-6070-08-10 (Balance of unexpended funds from Original C6-6070-08-00 financing)	Planning, Design, and Construction of I/I Correction to Improve Mohawk River	\$11,586,562
C6-6070-08-01 (Multi-year)	I/I CORR [SSO - 9 Contributing Communities] Phase 2b-3	\$59,500,000
C6-6070-08-02 (Long-term financed)	FM, PS REHAB [DESIGN AND PERMITTING PHASE] Phase 5a	⁽¹⁾ \$2,524,071
C6-6070-08-03 (Multi-year)	I/I CORR [SSO] Phase 4	\$9,520,000
C6-6070-08-04 (Annual List – closing on STF pending)	Wastewater Improvements [CONSTRUCTION PHASE] Phases 5b and 6c	\$117,000,000
C6-6070-08-05 (Annual List)⁽²⁾	STP UP (Phases 6a and 6d)	\$110,600,000
C6-6070-08-06 (Annual List – STF)	STP UP [SOLIDS HANDLING SYSTEMS DESIGN AND CONSTRUCTION]	\$35,000,000

(1) - CWSRF Project Financing has closed, is no longer listed in IUP, but reflect the amount Oneida County is now repaying.

(2) – At the request of NYSEFC, Oneida County has agreed to move this financing to the “multi-year” list for the upcoming 2017 Intended Use Plan.

10.2.1 Construction of the Sauquoit Creek Pump Station, New Force Main and WPCP Solids Handling Upgrades (CWSRF No. C6-6070-08-04)-\$117 Million

Financing has been approved by NYSEFC. Closing on the Short Term Financing is being coordinated with NYSEFC and will occur based on projected cash flow need.