### METROPOLITAN GOVERNME

January 27, 2012

IF NASHY LEE AND DAVIDSON COUNTY

DEPARTMENT OF WATER AND SEWERAGE SERVICES 1600 SECOND AVENUE, NORTH NASHVILLE, TENNESSEE 37208-2206

Chief, Environmental Enforcement Section Environmental and Natural Resources Division U. S. Department of Justice Post Office Box 7611 Washington, D. C. 20044-7611

United States Attorney Middle District of Tennessee 110 Ninth Avenue, South, Suite A961 Nashville, TN 37203

Chief, Water Programs Enforcement Branch Water Management Division U. S. Environmental Protection Agency, Region 4 Atlanta Federal Center 61 Forsyth Street, S.W. Atlanta, GA 30303

Mr. Barry Turner, Deputy Attorney General Office of the Tennessee Attorney General Environmental Division P. O. Box 20207 Nashville, TN 37202

Mr. Patrick Parker, Assistant General Counsel Tennessee Department of Environment and Conservation 6<sup>th</sup> Floor, L & C Annex 401 Church Street Nashville, TN 37243

Re: DOJ Case No. 90-5-1-1-09000

Submittal of Annual Report and Quarterly Report

### Gentlemen:

In accordance with the provisions of the Consent Decree, Section XIX (Reporting Requirements), Subsection B, herewith we are transmitting the 2011 Annual Report which covers the time period from January 1, 2011 through December 31, 2011.



In addition, in accordance with the provisions of the Consent Decree, Section XIX (Reporting Requirements), Subsection A, herewith we are transmitting the Quarterly Progress Report which covers the time period from October 1, 2011 through December 31, 2011.

A copy of each of these reports is concurrently being placed in the Public Document Repository (PDR).

I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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 gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions concerning these reports please contact me.

Sincerely,

Scott A. Potter, P.E.

Director

Ron C. Taylor P.E.

Overflow Abatement Program Director

**Engineering Division** 

Cc: Mr. David Tucker, Assistant Director, Operations

Mr. Cyrus Q. Toosi, P.E., Assistant Director / Chief Engineer, Engineering

Mr. Gregory A. Ballard, P.E., Engineer 3

Mr. Thomas G. Cross, Associate Director, Metropolitan Department of Law

### Metropolitan Government of Nashville and Davidson County, Tennessee

### **Department of Water and Sewerage Services**

### Consent Decree Quarterly Progress Report

### October 1, 2011 through December 31, 2011

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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 gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Ron Taylor, P.E., Program Director

1/26/12

Date

### Introduction

On March 12, 2009, the Metropolitan Government of Nashville and Davidson County, Tennessee (Metro) entered into a Consent Decree with the United States and the State of Tennessee. To fulfill the reporting requirements as required by Section XIX.A. of the Consent Decree, Metro has prepared the enclosed Quarterly Progress Report.

As required by the Consent Decree, the report includes the following information:

- 1. A description of the work completed during the reporting period,
- 2. Quarterly Overflow Report,
- 3. The planned work for the upcoming quarter.

Work is defined as all activities Metro is required to perform under the Consent Decree and for the purposes of this Quarterly Progress Report includes the following:

- 1. Remedial measures for Sanitary Sewer Overflows (SSOs)
  - a. Corrective Action Plan/Engineering Report (CAP/ER) for SSOs
- 2. Capacity, Management, Operations, and Maintenance (CMOM) programs
  - a. Spill and Overflow Response Plan (SORP)
  - b. Inter-Jurisdictional Agreement Program
  - c. Capacity Assurance Plan
  - d. Pump Station Operation Plan for Power Outages
- 3. Remedial Measures for Combined Sewer Overflows (CSOs)
  - a. Nine Minimum Controls (NMC) Compliance Plan
  - b. Long Term Control Plan (LTCP)
- 4. Supplemental Environmental Project (SEP)

The Quarterly Overflow Report includes the information required by the Consent Decree (date, location, duration, volume, cause of each overflow, indication of permitted overflow, and indication if cause was a building backup). Both SSOs and dry weather CSOs are required for the report.

In addition to the information required by the Consent Decree, the report also includes a status summary of all Design/Construction Projects required by the Consent Decree and continuation projects from the current Overflow Abatement Program (OAP).

This is the eleventh Quarterly Progress Report required under the Consent Decree. The report covers the period from October 1, 2011, through December 31, 2011.

The first Quarterly Progress Report covering the period from March 12, 2009, through June 30, 2009, was publicized in the Public Document Repository (PDR) and submitted to EPA and TDEC on July 28, 2009.

The second Quarterly Progress Report covering the period from July 1, 2009, through September 30, 2009, was publicized in the PDR and submitted to EPA and TDEC on October 29, 2009.

The third Quarterly Progress Report covering the period from October 1, 2009, through December 31, 2009, was publicized in the PDR and submitted to EPA and TDEC on January 27, 2010.

The fourth Quarterly Progress Report covering the period from January 1, 2010, through March 31, 2010, was publicized in the PDR and submitted to EPA and TDEC on April 27, 2010.

The fifth Quarterly Progress Report covering the period from April 1, 2010, through June 30, 2010, was publicized in the PDR on July 27, 2010, and submitted to EPA and TDEC on July 28, 2010.

The sixth Quarterly Progress Report covering the period from July 1, 2010, through September 30, 2010, was publicized in the PDR and submitted to EPA and TDEC on October 27, 2010.

The seventh Quarterly Progress Report covering the period from October 1, 2010, through December 31, 2010, was publicized in the PDR and submitted to EPA and TDEC on January 28, 2011.

The eighth Quarterly Progress Report covering the period from January 1, 2011, through March 31, 2011, was publicized in the PDR on April 27, 2011, and submitted to EPA and TDEC on April 28, 2011.

The ninth Quarterly Progress Report covering the period from April 1, 2011, through June 30, 2011, was publicized in the PDR and submitted to EPA and TDEC on July 22, 2011.

The tenth Quarterly Progress Report covering the period from July 1, 2011, through September 30, 2011, was submitted to EPA and TDEC on October 26, 2011, and was publicized in the PDR on October 31, 2011.

### <u>Section 1 – Summary of Work Completed During the</u> Reporting Period

### **Request for Force Majeure**

On May 14, 2010, as a result of the flooding event that occurred in the Nashville area on May 1-2, 2010, Metro requested an extension of several Consent Decree deadlines. Following the requested submittal of additional information by Metro, EPA, in consultation with TDEC, granted Metro's requests. This included a six (6) month extension for the submission of the CAP/ER and the LTCP, as well as a twenty-four (24) month extension for completion of the work required in the CAP/ER and the LTCP. Final compliance with all terms in the Consent Decree must now be achieved on or before eleven (11) years after the approval or modification of either the CAP/ER or the LTCP, whichever comes later.

### **Remedial Measures for SSOs**

### CAP/ER

Progress this quarter: The CAP/ER was submitted to EPA and TDEC for review during the 3<sup>rd</sup> Quarter of 2011. During the review period, Metro has proceeded with the design of one project proposed in the CAP/ER, the expansion of the Dodson Chapel Wastewater Pumping Station and Equalization Basin, as a demonstration of our commitment to the correction of overflows in the separate sewer system (SSS). Metro continues to refine and develop detailed descriptions of the proposed CAP/ER projects in anticipation of design efforts beginning according to the schedule presented in the CAP/ER. Metro has initiated procurement of consulting engineering services for the design of these projects.

Mr. David Apanian, EPA's representative for the Metro CAP/ER Program, made a site visit to Nashville on October 18-20, 2011, to meet with Metro's Program Management staff and to review current conditions at multiple locations of proposed CAP/ER projects.

Consent Decree Completion Date for Report Submittal: September 11, 2011

1<sup>st</sup> PDR Publication Date: July 27, 2011

Revised PDR Publication Date: September 9, 2011

TDEC/EPA Submittal Date: September 9, 2011

### **CMOM Programs**

### **Spill and Overflow Response Plan**

**Progress this quarter:** Changes included in the revised SORP, which was approved on August 18, 2009, have been implemented. No revisions or modifications to the SORP were requested in 2011.

**Consent Decree Completion Date:** Prior to June 1 each year if revisions are necessary or modifications are desired to be considered.

Original Submittal Completion Date: May 4, 2007

1<sup>st</sup> Revision Completion Date: May 27, 2009

1<sup>st</sup> Revision PDR Publication Date: May 27, 2009

1<sup>st</sup> Revision Approval Date: August 18, 2009

### **Inter-Jurisdictional Agreement Program**

**Progress this quarter:** Negotiations for the final wholesale agreement were completed during the 3<sup>rd</sup> Quarter of 2011, and the agreement was approved by the Metro Council on October 20, 2011. With that approval, all required agreements are in place.

Consent Decree Completion Date: September 12, 2009

TDEC/EPA Submittal Date: September 4, 2009

PDR Publication Date: September 4, 2009

TDEC/EPA Approval Date: August 20, 2010

### **Capacity Assurance Program**

**Progress this quarter:** The new Capacity Assurance Plan has been implemented since the Consent Decree has been entered and continues to be applied as a tool to track flows from new and existing customers to the SSS.

### **Pump Station Operation Plan for Power Outages**

**Progress this quarter:** A total of twenty three (23) stationary backup generators and two (2) automatic transfer switches have been installed. A temporary generator has been placed at the Holiday Travel Park Pumping Station where, due to difficulties in obtaining property rights and delays in the start of construction by the developer / contractor, the trunk sewer which will take the pumping station out of service has not been constructed. The property rights have been acquired for this site. A temporary generator also continues to be utilized at the Munn Road

Pumping Station where, due to difficulties in obtaining property rights, Metro has been unable to complete the stationary generator installation. Legislation to initiate the use of Eminent Domain for this property rights acquisition is under review by the Metro Council. In addition, the property owner at this location has filed a lawsuit against the Metropolitan Government related to both existing and proposed property rights at this location.

Consent Decree Completion Date for Plan Submittal: December 12, 2009

TDEC/EPA Submittal Date: December 8, 2009

PDR Publication Date: December 8, 2009

TDEC/EPA Approval Date: August 20, 2010

### **Remedial Measures for Combined Sewer Overflows**

### **NMC Compliance Plan**

**Progress this quarter:** All elements of the NMC Compliance Plan excluding the Washington CSO facility are operationally complete. Construction continues for the improvements at this location. This project will incorporate solids and floatables control at the regulator and will provide in-system storage to reduce CSOs.

Consent Decree Completion Date: September 12, 2009

Original TDEC/EPA Submittal Date: September 4, 2009

Original PDR Publication Date: September 4, 2009

TDEC/EPA Approval in Part: April 26, 2010

TDEC/EPA Submittal Date for Revised Plan: May 25, 2010

TDEC/EPA Approval Date for Revised Plan: July 22, 2010

NMC Compliance Date (with exception of Washington CSO): January 6, 2012

NMC Compliance Date for Washington CSO: June 30, 2012

### **LTCP**

**Progress this quarter:** The LTCP was submitted to EPA and TDEC for review during the 3<sup>rd</sup> Quarter of 2011. During the review period, Metro has proceeded with the design of one project proposed in the LTCP, the expansion of the Driftwood Equalization Basin, as a demonstration of our commitment to the correction of overflows in the combined sewer system (CSS). Metro continues to refine and develop detailed descriptions of the proposed LTCP projects in

anticipation of design efforts beginning according to the schedule presented in the LTCP. Metro has initiated procurement of consulting engineering services for the design of these projects.

Mr. David Apanian, EPA's representative for the Metro LTCP Program, made a site visit to Nashville on October 18-20, 2011, to meet with Metro's Program Management staff and to review current conditions at multiple locations of proposed LTCP projects.

Consent Decree Completion Date for Report Submittal: September 11, 2011

1<sup>st</sup> PDR Publication Date: July 27, 2011

Revised PDR Publication Date: September 9, 2011

TDEC/EPA Submittal Date: September 9, 2011

### <u>Supplemental Environmental Projects</u>

**Progress this quarter:** The SEP completion report was submitted to EPA and TDEC on December 7, 2010. A copy was also submitted to the PDR at that time. Metro received approval of this report on March 8, 2011.

Consent Decree Completion Date: December 31, 2010

# Section 2 – SSOs and Dry Weather CSOs

Date         Part Start         Rent Start         Rent Start         Bundling         Overflow         Overflow Gause         Location         Location         Unpermitted         Backup           Date         Date         1000         2.50         0.06         Air Relief         08514060         101 Guill Ct.         Yes         No           06-0ct-11         0.00         2.50         0.00         Air Relief         08511085         1116 Greenwood Ave.         Yes         No           11-0ct-11         1.00         0.33         0.03         Blockage         08301085         1116 Greenwood Ave.         No         Yes         No           11-0ct-11         1.0-0ct-11         0.00         3.25         0.0001         Blockage         08301085         1116 Greenwood Ave.         No         No           11-0ct-11         1.0-0ct-11         0.00         3.25         0.0001         Blockage         10516060         2130 Killer Ave.         No         No           24-0ct-11         24-0ct-11         0.00         0.00         0.001         Blockage         11894053         2120 Killer Ave.         No         No           24-0ct-11         24-0ct-11         0.00         0.001         Blockage         11894053				ŏ	October 1,	Quarterly SSO Report 1, 2011 through December 31, 2011	O Report December	31, 2011		
06-Oct-11         0.00         2.50         0.06         Afr Relief         08514060         101 Guill Ct.         Ves           06-Oct-11         0.00         0.50         0.001         Blockage         14812039         4716 MeBride Rd.         Yes           11-Oct-11         0.00         0.33         0.001         Blockage         103410099         177 Cete Rg.         Yes           11-Oct-11         0.00         2.00         0.0001         Blockage         10704055         83 Century Blvd.         No           17-Oct-11         0.00         3.00         0.0001         Blockage         10704055         83 Century Blvd.         No           23-Oct-11         0.00         1.00         0.0001         Blockage         10516067         2134 Canady Ave.         No           24-Oct-11         0.00         1.50         0.0001         Blockage         10516067         2134 Canady Ave.         No           10-Nov-11         0.00         1.50         0.0001         Blockage         13304048         94 Antioch Pk.         No           10-Nov-11         0.00         2.00         0.0001         Blockage         15208026         4924 Shilman Dr.         Yes           10-Nov-11         0.00	Event Start Date	Event End Date	Rainfall	Duration (hours)	Overflow Volume (MG)	Overflow Cause	Location Manhole ID	Location	Unpermitted Discharge	Building Backup
O6-Oct-11         0.00         0.50         0.001         Blockage         14812039         4716 McBride Rd.         Yes           11-Oct-11         0.00         0.33         0.033         Mechanical         09410099         Dry Creek SPS         Yes           17-Oct-11         0.00         2.00         0.0001         Blockage         10790050         38301088         1116 Greenwood Ave.         No           17-Oct-11         0.00         3.00         0.0001         Blockage         10704050         27004 Brunswick Dr.         No           23-Oct-11         0.00         1.00         0.001         Blockage         10516067         2734 Canady Ave.         No           24-Oct-11         0.00         0.50         0.0001         Blockage         10516067         2734 Canady Ave.         No           24-Oct-11         0.00         0.50         0.0001         Blockage         13304048         94 Antioch Pk.         No           24-Oct-11         0.00         2.00         0.0001         Blockage         15304048         94 Antioch Pk.         No           01-Nov-11         0.00         1.00         0.0001         Blockage         15304048         94 Antioch Pk.         No           05-Nov-11	06-Oct-11	06-0ct-11	0.00	2.50	90.0	Air Relief	08514060	101 Guill Ct.	Yes	No
11-Oct-11         0.00         0.33         0.03         Mechanical         03411009         Dry Creek SPS         Yes           11-Oct-11         0.00         2.00         0.0001         Blockage         03301085         1116 Greenwood Ave.         No           17-Oct-11         0.00         3.25         0.0001         Blockage         1051067         2700A Brunswick Dr.         No           23-Oct-11         0.00         1.00         0.001         Blockage         1051067         2134 Canady Ave.         No           24-Oct-11         0.00         0.50         0.0001         Blockage         13804083         2203 Kline Ave.         No           01-Nov-11         0.00         0.501         Blockage         13304048         94 Antioch Pk.         No           01-Nov-11         0.00         2.50.5         0.001         Blockage         1520 Sloux Ter.         Yes           01-Nov-11         0.00         2.50.5         0.001         Blockage         1529 Sloux Ter.         Yes           05-Nov-11         0.00         1.50         0.001         Blockage         1529 Sloux Ter.         Yes           06-Nov-11         0.00         1.50         0.001         Blockage         1531005	06-Oct-11	06-0ct-11	0.00	0.50	0.001	Blockage	14812039	4716 McBride Rd.	Yes	No
17-Oct-11         0.00         2.00         0.0001         Blockage         08301085         1116 Greenwood Ave.         No           17-Oct-11         0.00         3.25         0.0001         Blockage         10704055         83 Century Blvd.         No           23-Oct-11         0.00         3.00         0.0001         Blockage         10516067         2730A Burnawick Dr.         No           24-Oct-11         0.00         1.00         0.0001         Blockage         1530607         200A Blockage         10516067         2134 Canady Ave.         No           24-Oct-11         0.00         0.50         0.0001         Blockage         13304048         94 Antioch Pk.         No           24-Oct-11         0.00         2.5.25         0.01         Blockage         13304048         94 Antioch Pk.         No           01-Nov-11         0.00         2.00         0.0001         Blockage         15208056         4924 Shihman Dr.         Yes           05-Nov-11         0.00         1.50         0.0001         Blockage         15208056         4924 Shihman Dr.         Yes           06-Nov-11         0.00         1.50         0.0001         Blockage         12910005         1805 Swier St.         Yes      <	11-0ct-11	11-0ct-11	00.00	0.33	0.03	Mechanical	03411009	Dry Creek SPS	Yes	No
17-Oct-11         0.00         3.25         0.0001         Blockage         10704055         83 Century Blvd.         No           23-Oct-11         0.00         3.00         0.0001         Blockage         1051009CO         2700A Brunswick Dr.         No           24-Oct-11         0.00         1.00         0.0001         Blockage         10510667         2134 Canady Ave.         No           24-Oct-11         0.00         1.50         0.0001         Blockage         153603011         660 Bell Rd.         No           10-Nov-11         0.00         26.25         0.01         Blockage         15303012         124 Canicd Pkr.         No           01-Nov-11         0.00         3.00         0.001         Blockage         15303026         424 Shihman Dr.         Yes           05-Nov-11         0.00         1.00         0.001         Blockage         1291005         6539 Melinda Dr.         Yes           06-Nov-11         0.00         0.001         Blockage         1291005         6539 Melinda Dr.         Yes           10-Nov-11         0.00         0.001         Blockage         1291005         5039 Sevier St.         Yes           10-Nov-11         0.00         0.001         Blockage	17-0ct-11	17-0ct-11	0.00	2.00	0.0001	Blockage	08301085	1116 Greenwood Ave.	No	Yes
23-Oct-11         0.00         3.00         0.0001         Blockage         06015009CO         2700A Brunswick Dr.         No           24-Oct-11         0.00         1.00         0.001         Blockage         1804053         2134 Canady Ave.         No           24-Oct-11         0.00         1.50         0.0001         Blockage         1804053         203 Kline Ave.         No           26-Oct-11         0.00         1.50         0.001         Blockage         18304048         94 Antioch Pk.         No           01-Nov-11         0.00         26.25         0.001         Blockage         15280202         494 Antioch Pk.         No           01-Nov-11         0.00         3.00         0.001         Blockage         15280202         494 Antioch Pk.         No           01-Nov-11         0.00         1.00         0.001         Blockage         15280202         494 Antioch Pk.         No           06-Nov-11         0.00         0.001         Blockage         1291005         6539 Mellinda Dr.         Yes           06-Nov-11         0.00         0.70         0.001         Blockage         1291005         1508 Denise Ct.         No           10-Nov-11         0.00         2.00         0.001	17-0ct-11	17-0ct-11	0.00	3.25	0.0001	Blockage	10704055	§3 Century Blvd.	No	No
24-Oct-11         0.00         0.001         Blockage         10516067         2134 Canady Ave.         No           24-Oct-11         0.00         0.50         0.0001         Blockage         1804053         2203 Kline Ave.         No           24-Oct-11         0.00         0.50         0.0001         Blockage         13304048         94 Antioch Pk.         No           01-Nov-11         0.00         26.25         0.01         Blockage         13304048         94 Antioch Pk.         No           01-Nov-11         0.00         3.00         0.001         Blockage         15305012         1262 Sioux Ter.         Yes           04-Nov-11         0.00         1.50         0.0001         Blockage         1538026         9539 Mellada Dr.         Yes           06-Nov-11         0.00         0.001         Blockage         12911005         6539 Mellada Dr.         Yes           10-Nov-11         0.00         0.001         Blockage         14807040C         1508 Benzing Rc.         No           11-Nov-11         0.00         4.00         0.0001         Blockage         14204104         723 Linden Green         No           11-Nov-11         0.00         2.00         0.0001         Blockage         <	23-Oct-11	23-0ct-11	0.00	3.00	0.0001	Blockage	06015009CO	2700A Brunswick Dr.	No	No
24-Oct-11         0.00         0.50         0.0001         Blockage         11804053         2203 Kline Ave.         No           26-Oct-11         0.00         1.50         0.001         Blockage         16303011         660 Bell Rd.         No           01-Nov-11         0.00         26.25         0.01         Blockage         13304048         94 Antioch Pk.         No           01-Nov-11         0.00         26.25         0.01         Blockage         15305012         1262 Sloux Ter.         Yes           01-Nov-11         0.00         1.00         0.0001         Blockage         15208026         4924 Shihman Dr.         Yes           06-Nov-11         0.00         0.001         Blockage         12911005         659 Melinda Dr.         Yes           10-Nov-11         0.00         0.001         Blockage         14807040C         1508 Denise Ct.         No           10-Nov-11         0.00         0.0001         Blockage         16208027         29 Benzing Rd.         No           11-Nov-11         0.00         2.00         0.0001         Blockage         16208027         29 Benzing Rd.         No           11-Nov-11         0.00         2.00         0.0001         Blockage         162	24-Oct-11	24-0ct-11	0.00	1.00	0.001	Blockage	10516067	2134 Canady Ave.	No	No
26-Oct-11         0.00         1.50         0.001         Blockage         16303011         660 Bell Rd.         No           01-Nov-11         0.00         26.25         0.01         Blockage         13304048         94 Antioch Pk.         No           01-Nov-11         0.00         3.00         0.001         Blockage         152050u2         1262 Sioux Ter.         Yes           01-Nov-11         0.00         1.00         0.0001         Blockage         15208026         4924 Shihman Dr.         Yes           05-Nov-11         0.00         1.50         0.001         Blockage         12011005         6539 Melinda Dr.         Yes           06-Nov-11         0.00         0.75         0.012         Controller         06915003         Whites Creek SPS         Yes           06-Nov-11         0.00         0.75         0.001         Blockage         14807040C         1508 Denise Ct.         No           10-Nov-11         0.00         0.00         0.0001         Blockage         16208027         29 Benzing Rd.         No           11-Nov-11         0.00         0.0001         Blockage         09216121CO         2806 Batavia St.         Yes           11-Nov-11         0.01         0.0001 <t< td=""><td>24-Oct-11</td><td>24-0ct-11</td><td>0.00</td><td>0.50</td><td>0.0001</td><td>Blockage</td><td>11804053</td><td>2203 Kline Ave.</td><td>No</td><td>No</td></t<>	24-Oct-11	24-0ct-11	0.00	0.50	0.0001	Blockage	11804053	2203 Kline Ave.	No	No
01-Nov-11         0.00         26.25         0.01         Blockage         13304048         94 Antioch Pk.         No           01-Nov-11         0.00         3.00         0.001         Blockage         05305012         1262 Sioux Ter.         Yes           04-Nov-11         0.00         1.00         0.0001         Blockage         16208026         4924 Shihman Dr.         Yes           05-Nov-11         0.00         1.50         0.001         Blockage         12911005         6539 Melinda Dr.         Yes           06-Nov-11         0.00         0.75         0.012         Controller         06915003         Whites Creek SPS         Yes           06-Nov-11         0.00         0.75         0.001         Blockage         14807040CO         1508 Denise Ct.         No           10-Nov-11         0.00         2.00         0.0001         Blockage         16208027         29 Benzing Rd.         No           11-Nov-11         0.00         2.00         0.0001         Blockage         09216121CO         2806 Batavia St.         Yes           11-Nov-11         0.01         2.00         0.0001         Blockage         09216121CO         2806 Batavia St.         Yes           21-Nov-11         0.02	26-Oct-11	26-Oct-11	0.00	1.50	0.001	Blockage	16303011	660 Bell Rd.	ON	No
01-Nov-11         0.00         3.00         0.001         Blockage         05305012         1262 Sioux Ter.         Yes           04-Nov-11         0.00         1.00         0.0001         Blockage         1508026         4924 Shihman Dr.         Yes           05-Nov-11         0.00         1.50         0.001         Blockage         12911005         6539 Melinda Dr.         Yes           06-Nov-11         0.00         0.75         0.001         Blockage         14807040CO         1508 Denise Ct.         No           09-Nov-11         0.00         2.00         0.0001         Blockage         09401149         2009 Sevier St.         Yes           10-Nov-11         0.00         3.00         0.0001         Blockage         09401149         2009 Sevier St.         Yes           13-Nov-11         0.00         2.00         0.0001         Blockage         09216121CO         29 Benzing Rd.         No           17-Nov-11         0.00         2.00         0.0001         Blockage         07404104         723 Linden Green         No           21-Nov-11         0.91         2.50         0.0001         Blockage         09016017CO         442 American Rd.         No           21-Nov-11         0.83	31-0ct-11	01-Nov-11	00.00	26.25	0.01	Blockage	13304048	94 Antioch Pk.	ON	No
04-Nov-11         0.00         1.00         0.00001         Blockage         15291005         6539 Melinda Dr.         Yes           05-Nov-11         0.00         1.50         0.001         Blockage         12911005         6539 Melinda Dr.         Yes           06-Nov-11         0.00         0.75         0.012         Controller         06915003         Whites Creek SPS         Yes           10-Nov-11         0.00         2.00         0.0001         Blockage         14807040CO         1508 Denise Ct.         No           110-Nov-11         0.00         2.00         0.0001         Blockage         09401149         2009 Sevier St.         Yes           13-Nov-11         0.00         2.00         0.0001         Blockage         09216121CO         2806 Batavia St.         Yes           17-Nov-11         0.00         2.00         0.0001         Blockage         0916017CO         442 American Rd.         No           21-Nov-11         0.31         0.0001         Blockage         0916017CO         442 American Rd.         No           21-Nov-11         0.32         0.0001         Blockage         0916017CO         442 American Rd.         No           21-Nov-11         0.33         0.0001         Ra	01-Nov-11	01-Nov-11	00.00	3.00	0.001	Blockage	05305012	1262 Sioux Ter.	Yes	No
05-Nov-11         0.00         1.50         0.001         Blockage         12911005         6539 Melinda Dr.         Yes           06-Nov-11         0.00         0.75         0.012         Controller         06915003         Whites Creek SPS         Yes           09-Nov-11         0.00         2.00         0.0001         Blockage         14807040C0         1508 Denise Ct.         No           10-Nov-11         0.00         4.00         0.0001         Blockage         09401149         2009 Sevier St.         Yes           13-Nov-11         0.00         3.00         0.0001         Blockage         09216121CO         2806 Batavia St.         Yes           11-Nov-11         0.00         2.00         0.0001         Blockage         07404104         723 Linden Green         No           21-Nov-11         0.01         2.00         0.0001         Blockage         0916017CO         442 American Rd.         No           21-Nov-11         0.91         5.92         0.246         Rainfall         06915003         Whites Creek SPS         Yes           21-Nov-11         0.69         1.59         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.34	04-Nov-11	04-Nov-11	00.00	1.00	0.00001	Blockage	16208026	4924 Shihman Dr.	Yes	No
06-Nov-11         0.00         0.75         0.012         Controller         06915003         Whites Creek SPS         Yes           09-Nov-11         0.00         2.00         0.0001         Blockage         14807040CO         1508 Denise Ct.         No           10-Nov-11         0.00         4.00         0.0001         Blockage         16208027         29 Benzing Rd.         No           13-Nov-11         0.00         2.00         0.0001         Blockage         09216121CO         2806 Batavia St.         No           17-Nov-11         0.00         2.00         0.0001         Blockage         07404104         723 Linden Green         No           21-Nov-11         0.91         2.50         0.0001         Blockage         07404104         723 Linden Green         No           21-Nov-11         0.91         2.50         0.0001         Blockage         09016017CO         442 American Rd.         No           21-Nov-11         0.83         6.08         0.246         Rainfall         06915003         Whites Creek SPS         Yes           21-Nov-11         0.69         1.92         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.34	05-Nov-11	05-Nov-11	0.00	1.50	0.001	Blockage	12911005	6539 Melinda Dr.	Yes	No
09-Nov-11         0.00         2.00         0.0001         Blockage         14807040CO         1508 Denise Ct.         No           10-Nov-11         0.00         4.00         0.0001         Blockage         16208027         29 Benzing Rd.         No           13-Nov-11         0.00         3.00         0.00001         Blockage         16208027         29 Benzing Rd.         No           17-Nov-11         0.00         2.00         0.0001         Blockage         07404104         723 Linden Green         No           21-Nov-11         0.00         2.00         0.0001         Blockage         07404104         723 Linden Green         No           21-Nov-11         0.01         2.50         0.0001         Blockage         09016017CO         442 American Rd.         No           21-Nov-11         0.83         6.08         0.246         Rainfall         06915003         Whites Creek SPS         Yes           21-Nov-11         0.69         1.92         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	06-Nov-11	06-Nov-11	0.00	0.75	0.012	Controller	06915003	Whites Creek SPS	Yes	No
10-Nov-11         0.00         4.00         0.001         Blockage         09401149         2009 Sevier St.         Yes           13-Nov-11         0.00         3.00         0.00001         Blockage         16208027         29 Benzing Rd.         No           17-Nov-11         0.00         2.00         0.0001         Blockage         09216121CO         2806 Batavia St.         Yes           19-Nov-11         0.00         2.00         0.0001         Blockage         07404104         723 Linden Green         No           21-Nov-11         0.91         2.50         0.0001         Blockage         09016017CO         442 American Rd.         No           21-Nov-11         0.83         6.08         0.246         Rainfall         06915003         Whites Creek SPS         Yes           21-Nov-11         0.69         1.92         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.23         10.08         1.508         Rainfall         06915003         Whites Creek SPS         Yes           28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	09-Nov-11	09-Nov-11	0.00	2.00	0.0001	Blockage	14807040CO	1508 Denise Ct.	No	Yes
13-Nov-11         0.00         3.00         0.00001         Blockage         16208027         29 Benzing Rd.         No           17-Nov-11         0.00         2.00         0.0001         Blockage         09216121CO         2806 Batavia St.         Yes           19-Nov-11         0.00         2.00         0.0001         Blockage         07404104         723 Linden Green         No           21-Nov-11         0.91         2.50         0.0001         Blockage         09016017CO         442 American Rd.         No           21-Nov-11         0.83         6.08         0.246         Rainfall         06915003         Whites Creek SPS         Yes           21-Nov-11         0.69         1.92         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.23         10.08         1.508         Rainfall         06915003         Whites Creek SPS         Yes           28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	10-Nov-11	10-Nov-11	0.00	4.00	0.001	Blockage	09401149	2009 Sevier St.	Yes	No
17-Nov-11         0.00         2.00         0.0001         Blockage         09216121CO         2806 Batavia St.         Yes           19-Nov-11         0.00         2.00         0.001         Blockage         07404104         723 Linden Green         No           21-Nov-11         0.91         2.50         0.0001         Blockage         09016017CO         442 American Rd.         No           21-Nov-11         0.83         6.08         0.246         Rainfall         06915003         Whites Creek SPS         Yes           21-Nov-11         0.91         5.92         0.2         Rainfall         10210012         Davidson Branch SPS         Yes           21-Nov-11         0.69         1.92         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.23         10.08         1.508         Rainfall         10210012         Davidson Branch SPS         Yes           28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	13-Nov-11	13-Nov-11	0.00	3.00	0.00001	Blockage	16208027	29 Benzing Rd.	No	No
19-Nov-11         0.00         2.00         0.001         Blockage         07404104         723 Linden Green         No           21-Nov-11         0.91         2.50         0.0001         Blockage         09016017CO         442 American Rd.         No           21-Nov-11         0.83         6.08         0.246         Rainfall         06915003         Whites Creek SPS         Yes           21-Nov-11         0.91         5.92         0.2         Rainfall         08410007         149 Barker Rd.         Yes           21-Nov-11         0.69         1.92         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.23         10.08         1.508         Rainfall         10210012         Davidson Branch SPS         Yes           28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	17-Nov-11	17-Nov-11	0.00	2.00	0.0001	Blockage	09216121CO	2806 Batavia St.	Yes	No
21-Nov-11         0.91         2.50         0.0001         Blockage         09016017CO         442 American Rd.         No           21-Nov-11         0.83         6.08         0.246         Rainfall         06915003         Whites Creek SPS         Yes           21-Nov-11         0.91         5.92         0.2         Rainfall         10210012         Davidson Branch SPS         Yes           21-Nov-11         0.69         1.92         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.23         10.08         1.508         Rainfall         10210012         Davidson Branch SPS         Yes           28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	19-Nov-11	19-Nov-11	0.00	2.00	0.001	Blockage	07404104	723 Linden Green	No	No
21-Nov-11         0.83         6.08         0.246         Rainfall         06915003         Whites Creek SPS         Yes           21-Nov-11         0.91         5.92         0.2         Rainfall         10210012         Davidson Branch SPS         Yes           21-Nov-11         0.69         1.92         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.23         10.08         1.508         Rainfall         06915003         Whites Creek SPS         Yes           28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	21-Nov-11	21-Nov-11	0.91	2.50	0.0001	Blockage	09016017CO	442 American Rd.	No	No
21-Nov-11         0.69         1.92         0.02         Rainfall         10210012         Davidson Branch SPS         Yes           21-Nov-11         0.69         1.92         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.23         10.08         1.508         Rainfall         06915003         Whites Creek SPS         Yes           28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	21-Nov-11	21-Nov-11	0.83	80.9	0.246	Rainfall	06915003	Whites Creek SPS	Yes	No
21-Nov-11         0.69         1.92         0.022         Controller         08410007         149 Barker Rd.         Yes           28-Nov-11         2.23         10.08         1.508         Rainfall         06915003         Whites Creek SPS         Yes           28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	21-Nov-11	21-Nov-11	0.91	5.92	0.2	Rainfall	10210012	Davidson Branch SPS	Yes	No
28-Nov-11         2.34         21.58         1.043         Rainfall         06915003         Whites Creek SPS         Yes           28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	21-Nov-11	21-Nov-11	69.0	1.92	0.022	Controller	08410007	149 Barker Rd.	Yes	No
28-Nov-11         2.34         21.58         1.043         Rainfall         10210012         Davidson Branch SPS         Yes	27-Nov-11	28-Nov-11	2.23	10.08	1.508	Rainfall	06915003	Whites Creek SPS	Yes	No
	27-Nov-11	28-Nov-11	2.34	21.58	1.043	Rainfall	10210012	Davidson Branch SPS	Yes	No

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Event End Date	Rainfall	Duration (hours)	Overflow Volume (MG)	Overflow Cause	Location Manhole ID	Location	Unpermitted Discharge	<b>Building Backup</b>
28-Nov-11	2.31	13.65	0.07	Rainfall	06201001	Holiday Travel Park SPS	Yes	No
29-Nov-11	2.42	35.00	2.469	Rainfall	08410007	149 Barker Rd.	Yes	No
28-Nov-11	2.38	2.50	0.0001	Blockage	14805033	301 Margo Ln.	No	Yes
28-Nov-11	2.34	1.00	0.0001	Blockage	08110058	1713 26th Ave. N.	Yes	No
29-Nov-11	2.13	24.00	0.001	Rainfall	05010029	3438 Briley Park Blvd. N.	Yes	No
29-Nov-11	2.38	11.00	0.001	Rainfall	09510050	501 Bismark Dr.	Yes	No
29-Nov-11	2.13	24.00	0.001	Rainfall	06001013	3258 Brick Church Pk.	Yes	No
29-Nov-11	2.13	24.00	0.001	Rainfall	05013010	3300 Briley Park Blvd. S.	Yes	No
28-Nov-11	2.13	13.00	0.001	Rainfall	05010033	3414 Brick Church Pk.	Yes	No
28-Nov-11	1.97	8.67	0.533	Rainfall	13609002	Smith Spring SPS	Yes	No
28-Nov-11	2.48	4.33	0.02	Rainfall	04312004	Vandiver SPS	Yes	No
28-Nov-11	2.34	0.08	0.015	Rainfall	09105090	West Park SPS	Yes	No
29-Nov-11	1.61	20.58	23.192	Rainfall	03411009	Dry Creek SPS	Yes	No
28-Nov-11	2.28	7.90	0.04	Rainfall	07008061	Riverside Dr. SPS	Yes	No
28-Nov-11	2.32	15.00	0.05	Rainfall	01416001	Joelton SPS	Yes	No
28-Nov-11	2.13	6.92	1.002	Rainfall	09403030	Shelby Park SPS	Yes	No
28-Nov-11	2.34	10.75	0.127	Rainfall	09011002	516 Basswood Ave.	Yes	No
28-Nov-11	2.34	5.00	0.001	Rainfall	09004005	6601 Centennial Blvd.	Yes	No
05-Dec-11	1.71	1.50	0.001	Rainfall	13007001CO	803 Lynnwood Blvd.	Yes	No
07-Dec-11	1.76	26.50	2.618	Rainfall	06915003	Whites Creek SPS	Yes	No
05-Dec-11	1.99	80.9	0.075	Rainfall	04312004	Vandiver SPS	Yes	No
06-Dec-11	1.84	16.33	0.622	Rainfall	10210012	Davidson Branch SPS	Yes	No
06-Dec-11	1.99	30.70	0.3	Rainfall	05216026	Neelys Bend SPS	Yes	No
05-Dec-11	1.99	3.80	0.1	Rainfall	05213002	Madison Heights SPS	Yes	No
06-Dec-11	1.99	10.50	0.08	Rainfall	05207007	Berwick Trail SPS / Center St.	Yes	No
06-Dec-11	1.51	10.70	0.07	Rainfall	06201001	Holiday Travel Park SPS	Yes	No
05-Dec-11	1.71	5.65	0.04	Rainfall	07008061	Riverside Dr. SPS	Yes	No

## Quarterly SSO Report October 1, 2011 through December 31, 2011

Building Backup	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Unpermitted Discharge	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	No
Location	Joelton SPS	149 Barker Rd.	Cowan St. SPS	McCrory Creek SPS	617 Tuscaraora Dr.	47 Brookwood Ter.	829 Oak Leaf Dr.	828 Seymour Ave.	919 Broadway	416 McDonald Dr.	2928 Louise Dr.	2895 Creekbend Dr.	2404 Scovel St.	370 Wallace Rd.	149 Barker Rd.	Whites Creek SPS	149 Barker Rd.	915 9th Ave. N.	4751 Lebanon Rd.	4362 Chickering Ln.
Location Manhole ID	01416001	08410007	07114041	90080960	16204027CO	10314008	07601053	08208034	09309093	12005054	11913091	05904085	08114043CO	14703095	08410007	06915003	08410007	08213093	11706063	14409005
Overflow Cause	Rainfall	Rainfall	Rainfall	Rainfall	Blockage	Blockage	Blockage	Blockage	Blockage	Blockage	Blockage	Blockage	Blockage	Blockage	Rainfall	Rainfall	Rainfall	Blockage	Blockage	Blockage
Overflow Volume (MG)	0.1	1.536	0.33	0.072	0.0001	0.001	0.00001	0.001	0.00001	0.0001	0.001	0.001	0.0001	0.00001	0.007	0.013	0.017	0.00001	0.0001	0.00001
Duration (hours)	14.30	26.00	7.92	2.08	1.50	0.50	0.75	2.50	3.00	1.00	2.00	1.75	19.75	1.50	1.42	0.42	2.17	1.00	2.75	0.50
Rainfall	1.77	1.59	1.77	1.51	0.00	0.40	0.00	0.00	0.00	00.00	0.00	0.17	0.17	0.16	0.71	0.88	0.97	00.00	00.00	00.00
Event End Date	05-Dec-11	07-Dec-11	05-Dec-11	06-Dec-11	10-Dec-11	16-Dec-11	17-Dec-11	18-Dec-11	18-Dec-11	19-Dec-11	19-Dec-11	20-Dec-11	20-Dec-11	21-Dec-11	22-Dec-11	27-Dec-11	27-Dec-11	28-Dec-11	28-Dec-11	30-Dec-11
Event Start Date	05-Dec-11	05-Dec-11	05-Dec-11	06-Dec-11	10-Dec-11	16-Dec-11	17-Dec-11	18-Dec-11	18-Dec-11	19-Dec-11	19-Dec-11	20-Dec-11	20-Dec-11	21-Dec-11	22-Dec-11	27-Dec-11	27-Dec-11	28-Dec-11	28-Dec-11	30-Dec-11

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		Location	
		Overflow Cause	There are no dry weather overflows to report during this quarter.
Overflow	Volume	(MG)	veather overflows
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		Rainfall	There
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### **Section 3 - Planned Work For Upcoming Quarter**

### **Remedial Measure for SSOs**

### CAP/ER

Planned work for upcoming quarter: The CAP/ER was submitted to EPA and TDEC during the 3<sup>rd</sup> Quarter of 2011. While the document is under review by the regulatory authorities, Metro will continue with efforts to procure consulting engineering services for the design of the proposed projects. Metro also will continue to develop detailed project descriptions for each CAP/ER project in order to initiate the design efforts in accordance with the schedule included in the CAP/ER. In addition, design will continue for the expansion of the Dodson Chapel Pumping Station and Equalization Basin.

### **CMOM Programs**

### Spill and Overflow Response Plan

Planned work for upcoming quarter: Continue to operate under the revised SORP.

### Inter-Jurisdictional Agreement Program

**Planned work for upcoming quarter:** All required agreements are now in place, and Metro will continue to operate under these agreements, including monitoring peak flows received.

### **Capacity Assurance Program**

**Planned work for upcoming quarter:** The new Capacity Assurance Plan will continue to be applied as a tracking / approval tool for new development / flow in the SSS.

### **Pump Station Operation Plan for Power Outages**

Planned work for upcoming quarter: Construction of the trunk sewer to eliminate the Holiday Travel Park Pumping Station, which has been delayed due to developer / contractor issues, is anticipated to commence during the first quarter of 2012. The installation of the stationary generator at the Munn Road Pumping Station is also anticipated to commence during the first quarter of 2012. The portable generators currently installed at these sites will receive priority attention for activation, as necessary, until the permanent improvements at each location have been completed.

### Remedial Measures for Combined Sewer Overflows

### **NMC Compliance Plan**

**Planned work for upcoming quarter:** Construction of the improvements at the Washington CSO outfall will continue during the upcoming quarter. All other elements of the NMC Compliance Plan are operationally complete.

### **LTCP**

Planned work for upcoming quarter: The LTCP was submitted to EPA and TDEC during the 3<sup>rd</sup> Quarter of 2011. While the document is under review by the regulatory authorities, Metro will continue with efforts to procure consulting engineering services for the design of the proposed projects. Metro also will continue to develop detailed project descriptions for each LTCP project in order to initiate the design efforts in accordance with the schedule included in the Plan. In addition, design will continue for the expansion of the Driftwood Equalization Basin.

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# Section 4 - Design/Construction Projects

		Projects Required by Consent Decree	nt Decree			
Project Number	Project Name	Project Description	Design Start Date	Design End Date	Construction Start Date	Construction Construction Start Date End Date
97-5G-8-2&3	97-SG-8-2&3 Dry Creek Facilities Improvements	Improvements to existing WWTP for optimization of wet weather flows, solids handling, and odor mitigation	3/1/2004	11/19/2004	7/5/2005	12/4/2008
03-SC-136A	Barker Road / Omohundro EQ Basin	Construction of a 15 MG EQ basin and wastewater pump station (WWPS) for the separate sanitary sewer system	2/23/2006	10/2008	2/2/2009	12/21/2009 (operational)

ect Name obel CSO – Vi t Avenue North r: Rehabilitati es 1 & 2 cane Creek V ovements wood / West	Continuation Projects from Current OAP Program	Project Description Construction Construction Construction Start Date End Date End Date	llage Upsized CSS trunk sewer, rehabilitation of 10/4/2005 7/1/2007 1/16/2008 10/27/2008 sanitary sewer, solids and floatable controls, and appurtenances	n Rehabilitation of sanitary sewer system 4/6/2006 8/30/2007 3/15/2008 3/12/2009 ion	VPS Replacement of pumps, controllers, and 12/1/2005 10/23/2006 11/12/2007 9/1/2008 grinders at existing WWPS to improve reliability	Park Construction of a 10 MG EQ Basin and WWPS 6/21/2006 10/2008 2/18/2009 11/17/2010 for the separate sanitary sewer system
Soso Sour Sour Sour Sour Sour Sour Sour Sou	_	Project Name Project Description	Boscobel CSO – Village Upsized CSS trunk sewe Court and appurtenances	28 <sup>th</sup> Avenue North Rehabilitation of sanita Sewer Rehabilitation Phases 1 & 2	Hurricane Creek WPS Replacement of pumps Improvements grinders at existing WW	1 (1)

		Continuation Projects from Current OAP Program	t OAP Progr	am		
Project Number	Project Name	Project Description	Design Start Date	Design End Date	Construction Start Date	Construction End Date
94-SC-5B	Washington CSO Regulator	Construction of new replacement CSO Regulator to incorporate solids & floatables control and in system storage to reduce CSOs	12/18/2006	3/1/2010	12/1/2010	6/30/2012 (estimated)
90-SС-150Н	Inglewood Sewer Rehabilitation Phase 4	Rehabilitation of sanitary sewer system	2/7/2006	10/30/2006	7/13/2009	1/8/2010
J6-DS-66	Hermitage Area Sewer Rehabilitation	Rehabilitation of sanitary sewer system	8/2/2006	11/10/2006	7/13/2009	2/7/2010
06-SC-188	Whites Creek WWTP Disinfection / Optimization	Improvements to existing WWTP for optimization of wet weather flows and increased capacity of disinfection system	12/12/2008	10/30/2010	11/21/2011	1/1/2013 (estimated)
93-SC-34T	Whites Creek WWPS	Improvements to the Whites Creek WWPS, including a new WWPS and force main	11/15/2009	3/25/2011	2/13/2012 (estimated)	12/1/2013 (estimated)
06-SC-185	Mill Creek 36" Trunk Sewer Repair	Repair / rehabilitation of separated sewer	7/6/2007	10/6/2007	3/21/2011	9/30/2011
			Design r 9/1/2009	Design revisions 309 5/1/2010		

		Early Start CAP/ER and LTCP Projects	Projects		7 4 5 7 7 7	
Project Number	Project Name	Project Description	Design Start Date	Design End Date	Construction Construction Start Date	Construction End Date
11-SC-067	Driftwood Equalization Basin Expansion	Expansion of the existing CSO detention basin to capture 3.1 MG of additional storage	8/8/2011	3/22/2012 (estimated)	8/1/2012 (estimated)	2/28/2013 (estimated)
1600-2S-66	Dodson Chapel Pumping Station and Equalization Basin Expansion	Improvements to the existing facility including a new duty pump station, expanded wet weather pumping, and 11 MG of additional storage	9/15/2011	3/1/2012 (estimated)	4/1/2012 (estimated)	11/30/2013 (estimated)