

KARL F. DEAN  
MAYOR



## METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

January 27, 2012

DEPARTMENT OF WATER AND SEWERAGE SERVICES  
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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.

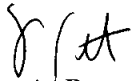
In addition, in accordance with the provisions of the Consent Decree, Section XIX (Reporting Requirements), Subsection A, herewith we are transmitting the Quarterly Progress Report which covers the time period from October 1, 2011 through December 31, 2011.

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

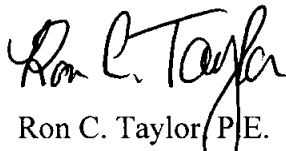
I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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**

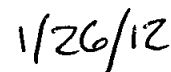
**Consent Decree  
Quarterly Progress Report**

**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

  
\_\_\_\_\_

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.

## **Section 1 – Summary of Work Completed During the 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

### **Supplemental Environmental Projects**

**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

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

Event Start Date	Event End Date	Rainfall	Duration (hours)	Overflow Volume (MG)	Overflow Cause	Location Manhole ID	Location	Unpermitted Discharge	Building Backup
06-Oct-11	06-Oct-11	0.00	2.50	0.06	Air Relief	08514060	101 Guill Ct.	Yes	No
06-Oct-11	06-Oct-11	0.00	0.50	0.001	Blockage	14812039	4716 McBride Rd.	Yes	No
11-Oct-11	11-Oct-11	0.00	0.33	0.03	Mechanical	03411009	Dry Creek SPS	Yes	No
17-Oct-11	17-Oct-11	0.00	2.00	0.0001	Blockage	08301085	1116 Greenwood Ave.	No	Yes
17-Oct-11	17-Oct-11	0.00	3.25	0.0001	Blockage	10704055	83 Century Blvd.	No	No
23-Oct-11	23-Oct-11	0.00	3.00	0.0001	Blockage	06015009CO	2700A Brunswick Dr.	No	No
24-Oct-11	24-Oct-11	0.00	1.00	0.001	Blockage	10516067	2134 Canady Ave.	No	No
24-Oct-11	24-Oct-11	0.00	0.50	0.0001	Blockage	11804053	2203 Kline Ave.	No	No
26-Oct-11	26-Oct-11	0.00	1.50	0.001	Blockage	16303011	660 Bell Rd.	No	No
31-Oct-11	01-Nov-11	0.00	26.25	0.01	Blockage	13304048	94 Antioch Pk.	No	No
01-Nov-11	01-Nov-11	0.00	3.00	0.001	Blockage	05305012	1262 Sioux Ter.	Yes	No
04-Nov-11	04-Nov-11	0.00	1.00	0.00001	Blockage	16208026	4924 Shihman Dr.	Yes	No
05-Nov-11	05-Nov-11	0.00	1.50	0.001	Blockage	12911005	6539 Melinda Dr.	Yes	No
06-Nov-11	06-Nov-11	0.00	0.75	0.012	Controller	06915003	Whites Creek SPS	Yes	No
09-Nov-11	09-Nov-11	0.00	2.00	0.0001	Blockage	14807040CO	1508 Denise Ct.	No	Yes
10-Nov-11	10-Nov-11	0.00	4.00	0.001	Blockage	09401149	2009 Sevier St.	Yes	No
13-Nov-11	13-Nov-11	0.00	3.00	0.00001	Blockage	16208027	29 Benzing Rd.	No	No
17-Nov-11	17-Nov-11	0.00	2.00	0.0001	Blockage	09216121CO	2806 Batavia St.	Yes	No
19-Nov-11	19-Nov-11	0.00	2.00	0.001	Blockage	07404104	723 Linden Green	No	No
21-Nov-11	21-Nov-11	0.91	2.50	0.0001	Blockage	09016017CO	442 American Rd.	No	No
21-Nov-11	21-Nov-11	0.83	6.08	0.246	Rainfall	06915003	Whites Creek SPS	Yes	No
21-Nov-11	21-Nov-11	0.91	5.92	0.2	Rainfall	10210012	Davidson Branch SPS	Yes	No
21-Nov-11	21-Nov-11	0.69	1.92	0.022	Controller	08410007	149 Barker Rd.	Yes	No
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

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

Event Start Date	Event End Date	Rainfall	Duration (hours)	Overflow Volume (MG)	Overflow Cause	Location Manhole ID	Location	Unpermitted Discharge	Building Backup
27-Nov-11	28-Nov-11	2.31	13.65	0.07	Rainfall	06201001	Holiday Travel Park SPS	Yes	No
27-Nov-11	29-Nov-11	2.42	35.00	2.469	Rainfall	08410007	149 Barker Rd.	Yes	No
28-Nov-11	28-Nov-11	2.38	2.50	0.0001	Blockage	14805033	301 Margo Ln.	No	Yes
28-Nov-11	28-Nov-11	2.34	1.00	0.0001	Blockage	08110058	1713 26th Ave. N.	Yes	No
28-Nov-11	29-Nov-11	2.13	24.00	0.001	Rainfall	05010029	3438 Briley Park Blvd. N.	Yes	No
28-Nov-11	29-Nov-11	2.38	11.00	0.001	Rainfall	09510050	501 Bismark Dr.	Yes	No
28-Nov-11	29-Nov-11	2.13	24.00	0.001	Rainfall	06001013	3258 Brick Church Pk.	Yes	No
28-Nov-11	29-Nov-11	2.13	24.00	0.001	Rainfall	05013010	3300 Briley Park Blvd. S.	Yes	No
28-Nov-11	28-Nov-11	2.13	13.00	0.001	Rainfall	05010033	3414 Brick Church Pk.	Yes	No
28-Nov-11	28-Nov-11	1.97	8.67	0.533	Rainfall	13609002	Smith Spring SPS	Yes	No
28-Nov-11	28-Nov-11	2.48	4.33	0.02	Rainfall	04312004	Vandiver SPS	Yes	No
28-Nov-11	28-Nov-11	2.34	0.08	0.015	Rainfall	09105090	West Park SPS	Yes	No
28-Nov-11	29-Nov-11	1.61	20.58	23.192	Rainfall	03411009	Dry Creek SPS	Yes	No
28-Nov-11	28-Nov-11	2.28	7.90	0.04	Rainfall	07008061	Riverside Dr. SPS	Yes	No
28-Nov-11	28-Nov-11	2.32	15.00	0.05	Rainfall	01416001	Joelton SPS	Yes	No
28-Nov-11	28-Nov-11	2.13	6.92	1.002	Rainfall	09403030	Shelby Park SPS	Yes	No
28-Nov-11	28-Nov-11	2.34	10.75	0.127	Rainfall	09011002	516 Basswood Ave.	Yes	No
28-Nov-11	28-Nov-11	2.34	5.00	0.001	Rainfall	09004005	6601 Centennial Blvd.	Yes	No
05-Dec-11	05-Dec-11	1.71	1.50	0.001	Rainfall	13007001CO	803 Lynnwood Blvd.	Yes	No
05-Dec-11	07-Dec-11	1.76	26.50	2.618	Rainfall	06915003	Whites Creek SPS	Yes	No
05-Dec-11	05-Dec-11	1.99	6.08	0.075	Rainfall	04312004	Vandiver SPS	Yes	No
05-Dec-11	06-Dec-11	1.84	16.33	0.622	Rainfall	10210012	Davidson Branch SPS	Yes	No
05-Dec-11	06-Dec-11	1.99	30.70	0.3	Rainfall	05216026	Neelys Bend SPS	Yes	No
05-Dec-11	05-Dec-11	1.99	3.80	0.1	Rainfall	05213002	Madison Heights SPS	Yes	No
05-Dec-11	06-Dec-11	1.99	10.50	0.08	Rainfall	05207007	Berwick Trail SPS / Center St.	Yes	No
05-Dec-11	06-Dec-11	1.51	10.70	0.07	Rainfall	06201001	Holiday Travel Park SPS	Yes	No
05-Dec-11	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**

Event Start Date	Event End Date	Rainfall	Duration (hours)	Overflow Volume (MG)	Overflow Cause	Location Manhole ID	Location	Unpermitted Discharge	Building Backup
05-Dec-11	05-Dec-11	1.77	14.30	0.1	Rainfall	01416001	Joelton SPS	Yes	No
05-Dec-11	07-Dec-11	1.59	26.00	1.536	Rainfall	08410007	149 Barker Rd.	Yes	No
05-Dec-11	05-Dec-11	1.77	7.92	0.33	Rainfall	07114041	Cowan St. SPS	Yes	No
06-Dec-11	06-Dec-11	1.51	2.08	0.072	Rainfall	09608006	McCrary Creek SPS	Yes	No
10-Dec-11	10-Dec-11	0.00	1.50	0.0001	Blockage	16204027CO	617 Tuscarora Dr.	No	No
16-Dec-11	16-Dec-11	0.40	0.50	0.001	Blockage	10314008	47 Brookwood Ter.	No	No
17-Dec-11	17-Dec-11	0.00	0.75	0.00001	Blockage	07601053	829 Oak Leaf Dr.	No	No
18-Dec-11	18-Dec-11	0.00	2.50	0.001	Blockage	08208034	828 Seymour Ave.	No	No
18-Dec-11	18-Dec-11	0.00	3.00	0.00001	Blockage	09309093	919 Broadway	No	No
19-Dec-11	19-Dec-11	0.00	1.00	0.0001	Blockage	12005054	416 McDonald Dr.	No	No
19-Dec-11	19-Dec-11	0.00	2.00	0.001	Blockage	11913091	2928 Louise Dr.	Yes	No
20-Dec-11	20-Dec-11	0.17	1.75	0.001	Blockage	05904085	2895 Creekbend Dr.	Yes	No
20-Dec-11	20-Dec-11	0.17	19.75	0.0001	Blockage	08114043CO	2404 Scovel St.	No	No
21-Dec-11	21-Dec-11	0.16	1.50	0.00001	Blockage	14703095	370 Wallace Rd.	No	No
22-Dec-11	22-Dec-11	0.71	1.42	0.007	Rainfall	08410007	149 Barker Rd.	Yes	No
27-Dec-11	27-Dec-11	0.88	0.42	0.013	Rainfall	06915003	Whites Creek SPS	Yes	No
27-Dec-11	27-Dec-11	0.97	2.17	0.017	Rainfall	08410007	149 Barker Rd.	Yes	No
28-Dec-11	28-Dec-11	0.00	1.00	0.00001	Blockage	08213093	915 9th Ave. N.	No	No
28-Dec-11	28-Dec-11	0.00	2.75	0.0001	Blockage	11706063	4751 Lebanon Rd.	Yes	No
30-Dec-11	30-Dec-11	0.00	0.50	0.00001	Blockage	14409005	4362 Chickering Ln.	No	No

**Quarterly Dry Weather CSO Report  
October 1, 2011 through December 31, 2011**

Event Start Date	Event End Date	Rainfall	Duration (hours)	Overflow Volume (MG)	Overflow Cause	Location
There are no dry weather overflows to report during this quarter.						

## **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.

## Section 4 – Design/Construction Projects

Projects Required by Consent Decree						
Project Number	Project Name	Project Description	Design Start Date	Design End Date	Construction Start Date	Construction End Date
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)

Continuation Projects from Current OAP Program						
Project Number	Project Name	Project Description	Design Start Date	Design End Date	Construction Start Date	Construction End Date
94-SG-5F-1	Boscobel CSO – Village Court	Upsized CSS trunk sewer, rehabilitation of sanitary sewer, solids and floatable controls, and appurtenances	10/4/2005	7/1/2007	1/16/2008	10/27/2008
91-SC-36B	28 <sup>th</sup> Avenue North Sewer Rehabilitation Phases 1 & 2	Rehabilitation of sanitary sewer system	4/6/2006	8/30/2007	3/15/2008	3/12/2009
90-SC-75A	Hurricane Creek WPS Improvements	Replacement of pumps, controllers, and grinders at existing WWPS to improve reliability	12/1/2005	10/23/2006	11/12/2007	9/1/2008
05-SC-33	Basswood / West Park EQ Basin	Construction of a 10 MG EQ Basin and WWPS for the separate sanitary sewer system	6/21/2006	10/2008	2/18/2009	11/17/2010



### Continuation Projects from Current OAP Program

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-SC-150H	Inglewood Sewer Rehabilitation Phase 4	Rehabilitation of sanitary sewer system	2/7/2006	10/30/2006	7/13/2009	1/8/2010
99-SG-9C	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 system	7/6/2007	10/6/2007	3/21/2011	9/30/2011
			Design revisions			
			9/1/2009	5/1/2010		

**Early Start CAP/ER and LTCP Projects**

<b>Project Number</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Design Start Date</b>	<b>Design End Date</b>	<b>Construction Start Date</b>	<b>Construction End Date</b>
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)
99-SC-009L	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)