

KARL F. DEAN  
MAYOR



## METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

April 25, 2012

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NASHVILLE, TENNESSEE 37208-2206

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Re: DOJ Case No. 90-5-1-1-09000  
Submittal of Quarterly Progress Report

Gentlemen and Madam:

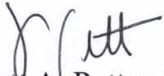
In accordance with the provisions of the Consent Decree, Section XIX (Reporting Requirements), Subsection A, herewith we are transmitting the Quarterly Progress report which covers the time period from January 1, 2012 through March 31, 2012.

A copy of this report is concurrently being placed in the Public Document Repository (PDR).

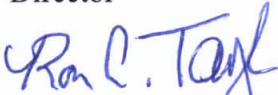
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

If you have any questions concerning this report 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

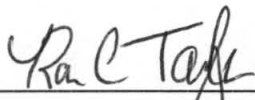
**Metropolitan Government of Nashville  
and  
Davidson County, Tennessee**

**Department of Water and Sewerage Services**

**Consent Decree  
Quarterly Progress Report**

**January 1, 2012 through March 31, 2012**

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 C. Taylor, P.E., Program Director

4/25/12

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, continuation projects from the previous Overflow Abatement Program (OAP), and early start projects from the CAP/ER and LTCP.

This is the twelfth Quarterly Progress Report required under the Consent Decree. The report covers the period from January 1, 2012, through March 31, 2012.

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.

The eleventh Quarterly Progress Report covering the period from October 1, 2011, through December 31, 2011, was submitted to EPA and TDEC on January 27, 2012, and was publicized in the PDR on January 30, 2012.

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

### **Force Majeure**

As a result of the flooding that occurred in Nashville in May 2010, Metro was granted 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.

### **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 continues to move forward with the implementation of projects identified in the CAP/ER as a demonstration of our commitment to the correction of overflows in the separate sewer system (SSS).

Design of one project proposed in the CAP/ER, the Dodson Chapel Equalization Tank and Wastewater Pumping Station Expansion, has been completed. Metro advertised this project to accept bids for construction on March 5, 2012.

Metro also continues to refine project scopes for the proposed CAP/ER projects in anticipation of design efforts beginning according to the schedule presented in the CAP/ER. Metro has solicited procurement of consulting engineering services for the design of these projects and is in the process of entering into contracts for these services. Metro issued the solicitation for design of Phases II and III of the West Park Equalization Facility on March 16, 2012.

**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.

**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:** All required wholesale 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 continues to be in place at the Holiday Travel Park Pumping Station. 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 yet been completed; however, construction began on this trunk sewer on March 13, 2012. 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 has been approved by the Metro Council, and the value of the property rights has been appraised. As 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, Metro's Department of Law is negotiating with the property owner's Counsel in an attempt to amicably resolve the issues.

**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 of the improvements at this location continues. 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 continues to move forward with the implementation of projects identified in the LTCP as a demonstration of our commitment to the correction of overflows in the combined sewer system (CSS).

The design of one project proposed in the LTCP, the Driftwood Equalization Basin Expansion, is nearing completion.

Metro also continues to refine project scopes for the proposed LTCP projects in anticipation of design efforts beginning according to the schedule presented in the LTCP. Metro has solicited procurement of consulting engineering services for the design of these projects and is in the process of entering into contracts for these services.

**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 January 1, 2012 through March 31, 2012

Event Start Date	Event End Date	Rainfall	Duration (hours)	Overflow Volume (MG)	Overflow Cause	Location Manhole ID	Location	Unpermitted Discharge	Building Backup
02-Jan-12	02-Jan-12	0.00	1.50	0.0001	Blockage	14604012	4706 Richmar Ct.	No	Yes
09-Jan-12	09-Jan-12	0.13	2.00	0.0001	Blockage	09805076CO	504 New Castle Ln.	No	No
11-Jan-12	11-Jan-12	1.62	14.17	0.348	Rainfall	08410007	149 Barker Rd.	Yes	No
11-Jan-12	11-Jan-12	1.23	4.50	0.001	Rainfall	13103010	2000 Galbraith Dr.	No	No
11-Jan-12	11-Jan-12	1.83	6.00	0.002	Rainfall	06001013	3258 Brick Church Pk.	Yes	No
11-Jan-12	11-Jan-12	1.83	6.50	0.001	Rainfall	05013010	3300 Briley Park Blvd.	Yes	No
11-Jan-12	11-Jan-12	1.83	6.25	0.002	Rainfall	05010029	3414 Brick Church Pk.	Yes	No
11-Jan-12	11-Jan-12	1.94	19.50	0.002	Rainfall	10616031	408 / 412 Hollydale Dr.	Yes	No
11-Jan-12	11-Jan-12	1.62	16.00	0.001	Rainfall	09510050	501 Bismark Dr.	Yes	No
11-Jan-12	11-Jan-12	1.90	2.17	0.023	Rainfall	09011002	516 Basswood Dr.	Yes	No
11-Jan-12	11-Jan-12	1.83	3.00	0.001	Rainfall	08204006	Apex St.	No	No
11-Jan-12	11-Jan-12	1.63	2.30	0.5	Rainfall	05207007	Berwick Trail SPS / Center St.	Yes	No
11-Jan-12	11-Jan-12	1.94	3.67	0.231	Rainfall	09409003	Browns Creek SPS / Visco Dr.	Yes	No
11-Jan-12	11-Jan-12	1.83	9.83	0.493	Rainfall	07114041	Cowan St. SPS	Yes	No
11-Jan-12	11-Jan-12	1.90	12.75	0.679	Rainfall	10210012	Davidson Branch SPS	Yes	No
11-Jan-12	11-Jan-12	1.62	6.08	0.822	Rainfall	03411009	Dry Creek SPS	Yes	No
11-Jan-12	11-Jan-12	1.67	5.10	0.05	Rainfall	08709040	Farmingham Woods SPS	Yes	No
11-Jan-12	11-Jan-12	1.62	1.75	0.188	Rainfall	05205001	Gibson Creek SPS	Yes	No
11-Jan-12	11-Jan-12	1.67	7.90	0.1	Rainfall	06201001	Holiday Travel Park SPS	Yes	No
11-Jan-12	12-Jan-12	1.64	25.80	0.2	Rainfall	01416001	Joelton SPS	Yes	No
11-Jan-12	11-Jan-12	1.62	9.25	0.44	Rainfall	05116016	Loves Branch SPS	Yes	No
11-Jan-12	11-Jan-12	1.63	3.50	0.01	Rainfall	05213002	Madison Heights SPS	Yes	No
11-Jan-12	11-Jan-12	1.67	6.75	0.05	Rainfall	07008061	Riverside SPS	Yes	No
11-Jan-12	11-Jan-12	1.83	6.50	1.031	Rainfall	09403030	Shelby Park SPS	Yes	No
11-Jan-12	11-Jan-12	1.91	0.95	0.001	Rainfall	09015045	Sunliner SPS	Yes	No

**Quarterly SSO Report**  
**January 1, 2012 through March 31, 2012**

Event Start Date	Event End Date	Rainfall	Duration (hours)	Overflow Volume (MG)	Overflow Cause	Location Manhole ID	Location	Unpermitted Discharge	Building Backup
11-Jan-12	11-Jan-12	1.80	3.25	0.061	Rainfall	04312004	Vandiver SPS	Yes	No
11-Jan-12	11-Jan-12	1.90	3.08	0.148	Rainfall	09105090	West Park SPS	Yes	No
11-Jan-12	11-Jan-12	1.65	4.50	0.55	Rainfall	06915003	Whites Creek SPS	Yes	No
11-Jan-12	11-Jan-12	1.83	1.92	0.041	Rainfall	06213035	Williamson Ferry SPS	Yes	No
12-Jan-12	12-Jan-12	1.67	0.67	0.023	Rainfall	09104025	28th Ave. SPS / Centennial Blvd.	Yes	No
16-Jan-12	16-Jan-12	0.03	0.75	0.00001	Blockage	07208094CO	1609 Berrywood Rd.	No	Yes
19-Jan-12	19-Jan-12	0.00	2.50	0.00001	Blockage	07504236CO	4786 Trenton Dr.	No	Yes
23-Jan-12	23-Jan-12	1.03	0.42	0.0005	Rainfall	08410007	149 Barker Rd.	Yes	No
23-Jan-12	23-Jan-12	1.03	1.00	0.001	Rainfall	09510050	501 Bismark Dr.	Yes	No
23-Jan-12	23-Jan-12	0.91	1.50	0.0001	Blockage	04310010CO	616 N DuPont Ave.	No	No
23-Jan-12	23-Jan-12	0.92	0.08	0.002	Rainfall	09409003	Browns Creek SPS / Visco Dr.	Yes	No
23-Jan-12	23-Jan-12	0.71	3.58	0.039	Rainfall	07114041	Cowan St. SPS	Yes	No
23-Jan-12	23-Jan-12	0.88	11.33	0.007	Rainfall	10210012	Davidson Branch SPS	Yes	No
23-Jan-12	23-Jan-12	0.94	1.60	0.01	Rainfall	01416001	Joelton SPS	Yes	No
23-Jan-12	23-Jan-12	1.03	2.67	0.059	Rainfall	09608006	McCrary Creek SPS	Yes	No
23-Jan-12	23-Jan-12	0.93	5.08	0.384	Rainfall	06915003	Whites Creek SPS	Yes	No
24-Jan-12	24-Jan-12	0.87	1.33	0.136	Rainfall	05205001	Gibson Creek SPS	Yes	No
26-Jan-12	27-Jan-12	0.76	5.00	0.05	Rainfall	01416001	Joelton SPS	Yes	No
26-Jan-12	27-Jan-12	0.70	1.83	0.097	Rainfall	06915003	Whites Creek SPS	Yes	No
30-Jan-12	30-Jan-12	0.00	3.00	0.0001	Blockage	09316055CO	73 Robertson St.	No	No
06-Feb-12	06-Feb-12	0.00	1.00	0.0001	Line Break	09204002	909 Warren St.	No	No
07-Feb-12	07-Feb-12	0.00	1.25	0.0001	Blockage	13204006	2979 Sidco Dr.	Yes	No
12-Feb-12	12-Feb-12	0.00	4.00	0.0001	Blockage	06509117	4753 Cascade Dr.	Yes	No
14-Feb-12	14-Feb-12	0.00	1.75	0.0001	Line Break	09211039	176 Anthes Dr.	No	No
20-Feb-12	20-Feb-12	0.00	1.00	0.0001	Blockage	07107044	105 E. Trinity Ln.	Yes	No
22-Feb-12	22-Feb-12	0.00	0.75	0.0001	Blockage	13413017	221 Largo Dr.	No	No
24-Feb-12	24-Feb-12	0.00	2.00	0.0001	Blockage	14805028	3812 Briarcliff St.	No	No

**Quarterly SSO Report  
January 1, 2012 through March 31, 2012**

Event Start Date	Event End Date	Rainfall	Duration (hours)	Overflow Volume (MG)	Overflow Cause	Location Manhole ID	Location	Unpermitted Discharge	Building Backup
29-Feb-12	29-Feb-12	0.00	0.25	0.0001	Line Break	10403052	2421 Vanderbilt Pl.	No	Yes
29-Feb-12	29-Feb-12	0.00	1.25	0.001	Blockage	05207054	621 Center St.	Yes	No
02-Mar-12	02-Mar-12	0.00	20.00	0.001	Blockage	09614095	917 Colfax Dr.	No	No
03-Mar-12	03-Mar-12	0.00	0.75	0.001	Blockage	08702034	4621 Raccoon Tr.	No	No
08-Mar-12	08-Mar-12	0.00	0.50	0.0001	Blockage	05106023	1202 Briarville Rd.	No	No
08-Mar-12	09-Mar-12	1.68	5.66	0.304	Rainfall	08410007	149 Barker Rd.	Yes	No
08-Mar-12	08-Mar-12	1.54	2.50	0.05	Rainfall	05207007	Berwick Trail SPS / Center St.	Yes	No
08-Mar-12	09-Mar-12	1.65	7.84	0.344	Rainfall	07114041	Cowan St.	Yes	No
08-Mar-12	08-Mar-12	1.65	6.42	0.451	Rainfall	10210012	Davidson Branch SPS	Yes	No
08-Mar-12	08-Mar-12	1.80	4.50	0.05	Rainfall	08709040	Farmingham Woods SPS	Yes	No
08-Mar-12	08-Mar-12	1.54	1.83	0.147	Rainfall	05205001	Gibson Creek SPS	Yes	No
08-Mar-12	09-Mar-12	1.80	8.50	0.1	Rainfall	06201001	Holiday Travel Park SPS	Yes	No
08-Mar-12	09-Mar-12	1.71	17.50	0.2	Rainfall	01416001	Joelton SPS	Yes	No
08-Mar-12	08-Mar-12	1.79	2.75	0.017	Rainfall	04312004	Vandiver SPS	Yes	No
08-Mar-12	10-Mar-12	1.63	33.98	3	Rainfall	06915003	Whites Creek SPS	Yes	No
15-Mar-12	15-Mar-12	0.00	2.00	0.001	Blockage	13403009	1501 Murfreesboro Pk.	Yes	No
16-Mar-12	16-Mar-12	0.59	7.00	0.1	Rainfall	01416001	Joelton SPS	Yes	No
20-Mar-12	20-Mar-12	0.00	0.50	0.001	Blockage	16116044	5837 Nolensville Pk.	Yes	No
26-Mar-12	26-Mar-12	0.00	5.00	0.0001	Force Main	11003010	2729 Alvin Sperry Pass	No	No
29-Mar-12	29-Mar-12	0.00	1.00	0.0001	Blockage	13214005	4815 Franklin Pk.	No	No
31-Mar-12	01-Apr-12	0.00	8.50	0.001	Line Break	09113054	5917 Charlotte Pk.	Yes	No

**Quarterly Dry Weather CSO Report  
January 1, 2012 through March 31, 2012**

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. A solicitation for design services for the West Park Equalization Facility Phases II and III will be completed, bids will be taken for construction of the Dodson Chapel Equalization Tank and Wastewater Pumping Station Expansion, and additional solicitations for design will be initiated during the 2<sup>nd</sup> Quarter of 2012.

### **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 underway and is anticipated to be completed later this year. The resolution of the property rights issues which have delayed the installation of the stationary generator at the Munn Road Pumping Station is anticipated to be completed during the 2<sup>nd</sup> 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 is anticipated to be completed 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 LTCP. The design will be completed for the Driftwood Equalization Basin Expansion, and Metro anticipates the taking of bids for the construction of that project during the 2<sup>nd</sup> Quarter of 2012.

## 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 Previous Overflow Abatement 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 Previous Overflow Abatement 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	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	4/09/2012	8/1/2012 (estimated)	2/28/2013 (estimated)
99-SC-009L	Dodson Chapel Equalization Tank and Wastewater Pumping Station 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	6/1/2012 (estimated)	11/30/2013 (estimated)