

Department of Public Works



200 South President Street  
Post Office Box 17  
Jackson, Mississippi 39205-0017

Tony Yarber  
*Mayor of the City of Jackson*

July 30, 2014

Chief, Environmental Enforcement Section  
Environment and National Resources Division  
U. S. Department of Justice  
Box 7611 Ben Franklin Station  
Washington, DC 20044-7611  
Re: DOJ No. 90-5-1-1-09841

Brad Ammons  
Environmental Engineer  
Clean Water Enforcement Branch  
Municipal & Industrial Enforcement Section  
U. S. EPA Region 4  
61 Forsyth St., S. W.  
Atlanta, GA 30303

Karl Fingerhood  
Environmental Enforcement Section  
U. S. Department of Justice  
Box 7611 Ben Franklin Station  
Washington, DC 20044-7611

RE: City of Jackson, EPA Consent Decree  
5th Quarterly Report, April 2014 – June 2014  
Supplemental Environmental Project Semi Annual Report #3

Dear Gentlemen:


Attached, please find Quarterly Report Number 5 for the period of April 2014 through June 2014. The report was developed and submitted by the City in accordance with the EPA Consent Decree dated March 1, 2013. In the May 31, 2013 letter, you agreed to change the date for the first Quarterly Report to July 31.

Also, enclosed is the Supplemental Environmental Project Semi Annual Report #3 for the period of January 2014 through June 2014.

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 gathered and evaluated the information submitted. Based on my inquiry of the 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.

Sincerely,

Handwritten signature of Tony T. Yarber in blue ink, with the text "CITY OF JACKSON" written below it.

Tony T. Yarber, Mayor   
City of Jackson Mississippi

cc: Les Herrington, P.E., Mississippi Department of Environmental Quality  
Gus McCoy, Chief Administrative Officer, City of Jackson  
Monica Joiner, City Attorney, City of Jackson  
Charles Williams, PhD., P.E., Interim Director of Public Works, City of Jackson  
Mary Carter, Deputy Director of Public Works, City of Jackson  
Terry Williamson, Legal Counsel, City of Jackson  
Public Depository, Eudora Welty Public Library



The City *of*  
**JACKSON**

**QUARTERLY  
REPORT NO. 5**

APRIL 2014 THROUGH JUNE 2014

Department of Public Works  
Wastewater Infrastructure Redevelopment Program



JULY 30, 2014

*City of Jackson*  
*Wastewater Infrastructure Redevelopment*  
*Program*

**Quarterly Report No. 5**  
**April 2014 through June 2014**

July 30, 2014

**Prepared for:**

City of Jackson  
Department of Public Works  
P.O. Box 17  
Jackson, MS 39205-0017

**Prepared by:**

WEI/AJA LLC  
143A LeFleurs Square  
Jackson, MS 39211

# City of Jackson, Mississippi

## Quarterly Report No. 4

### April 2014 through June 2014

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.



T. Yarber GM CAO  
Tony T. Yarber  
Mayor *cmog*

7/31/14  
Date

Charles E. Williams, Jr.  
Charles E. Williams, Jr., Ph.D, P.E., Interim Director  
Department of Public Works

7/25/14  
Date

# Quarterly Report No. 4

## April 2014 through June 2014

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## 1.0 Introduction

### 1.1 Consent Decree Overview

On March 1, 2013, the U.S. District Court for the Southern District of Mississippi entered a Consent Decree (CD) agreed to by the City of Jackson, Mississippi (City), U.S. Environmental Protection Agency (EPA), and the Mississippi Department of Environmental Quality (MDEQ,) regarding the City's wastewater collection and treatment system. Over a 17½ year timeline, the Consent Decree requires the City to:

- Develop, submit, finalize, and implement plans for the continued improvement of the Wastewater Collection and Transportation System (WCTS) and Wastewater Treatment Plants (WWTPs);
- Eliminate Sanitary Sewer Overflows (SSOs), effluent limit violations (including any violations of the new effluent limits for nutrients), and reporting violations, and
- Minimize Prohibited Bypasses.

One of the ongoing requirements of the EPA Consent Decree is to submit periodic reports to demonstrate continuing compliance. The specific reporting requirements of the CD are described below.

### 1.2 Authority to Promulgate

The City of Jackson Public Works Department (JPWD) established the Wastewater Infrastructure Redevelopment Program in 2004. The Waggoner Engineering/AJA Management and Technical Services joint venture company, WEI/AJA LLC, was retained to assist the City in addressing the requirements of the Consent Decree under the existing Program Management contract for the Wastewater Infrastructure Redevelopment Program. Accordingly, the Program Management team compiled this Quarterly Report from information provided by the City and its contractors to fulfill the requirements of Section IX ¶ 57 (a) set forth in the CD.

### 1.3 Consent Decree Requirements for Quarterly Report

As stated in the Consent Decree Section IX ¶ 57 (a), the Quarterly Report shall be submitted beginning thirty (30) Days after the first full three (3)-month period following the Date of Entry of this Consent Decree, and thirty (30) Days after each subsequent three (3)-month period until termination of the Consent Decree and shall contain the following, at a minimum:

Quarterly Reports. Beginning thirty (30) Days after the first full three (3) month period following the Date of Entry of this Consent Decree, and thirty (30) Days after each subsequent three (3)-month period thereafter until termination of the Consent Decree, the City shall submit to EPA for review and approval a Quarterly Report that shall include the following:

- (i) the date, time, location, source, estimated duration, estimated volume, receiving water (if any), and cause of all SSOs occurring in the applicable three (3)-month period in a tabulated electronic format; and
- (ii) (ii) the date, time, estimated duration, estimated volume, and cause of all Prohibited Bypasses occurring in the applicable three (3)-month period in a tabulated electronic format.

The listing and graphical summaries of the SSOs and prohibited bypasses for April - June 2014 are presented in Section 2 of this report.

#### 1.4 Other Requirements for Quarterly Report

EPA approved the CMOM Training Program, subject to comments, on April 25, 2014. One comment requested that the City include in its quarterly reports its efforts to fill the Training Coordinator position.

A status update for filling the Training Coordinator position is included in Section 3 of this report.

## 2.0 Summary of SSOs and Prohibited Bypasses

SSOs are divided into three elements of the wastewater system: the collection system, West Bank Interceptor, and pump stations. Prohibited bypasses were observed only at the Savanna Street Wastewater Treatment Facility (SSWWTF).

### 2.1 Collection System SSOs

**Table 1** lists SSOs in the collection system for April through June 2014. Each day of a multiple day event is considered as a separate SSO, in accordance with penalties in the CD.

**Figure 1** shows SSO events by month as a result of the following reported causes:

- Grease
- Roots
- Solids
- Collapsed Pipe
- Pump Station Failure
- Excessive Flow
- Undersized Line
- Other

Some SSO events had multiple causes. In these instances, each cause was assigned a fractional value, adding up to a total of one cause for each event.

**Figure 2** shows percentages of collection system SSOs for the quarter by cause. **Figure 3** shows total volume of SSOs for each month. Volumes are plotted on a logarithmic scale because of the large monthly variations. **Figure 4** shows total duration of SSOs for each month.

Monthly rainfall is plotted in each graph. It should be noted that there does not appear to be a correlation between rainfall and the number, volume, or duration of SSOs.



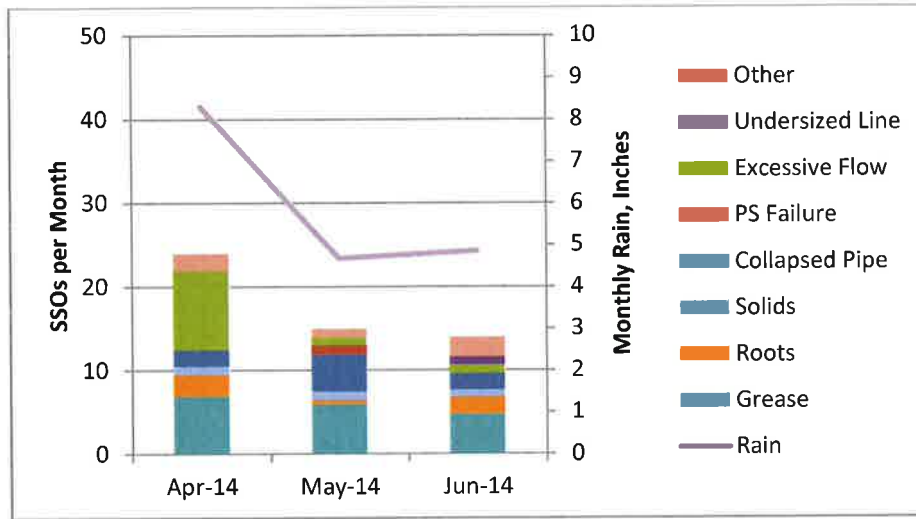
**Table 1**  
**City of Jackson, Mississippi**  
**Quarterly Report No.5 -April 2014 through June 2014**  
**Collection System SSOs**

Date Began	Time Began	Location	Source	Estimated Duration, Hours	Estimated Volume, Gallons	Receiving Water	Reported Cause
4/3/2014	8:00 AM	3237 ROBINSON ROAD	Manhole	0.92	200	Lynch	Grease. Solids.
4/5/2014	9:30 AM	2014 CHEROKEE DR	Cleanout	4.75	50	Eastover	Roots.
4/6/2014	12:40 PM	3638 CAVALIER DR	Manhole	0.92	Undetermined	Eubanks	Excessive Flow.
4/6/2014	7:50 AM	503 SPRINGFIELD CIR	Manhole	0.17	Undetermined	Lynch	Excessive Flow.
4/6/2014	9:30 AM	WHITESTONE ROAD WHITEGATE DR	Manhole	0.75	250	Hanging Moss	Excessive Flow.
4/6/2014	6:00 PM	3814 N STATE ST	Cleanout	3.75	100	Eubanks	Collapsed Pipe.
4/7/2014	9:06 AM	2641 IDAHO ST	Cleanout	0.90	60	Town	Heavy Rain Fall.
4/7/2014	1:42 PM	3535 EDMAR PL	Manhole	0.88	Undetermined	Eubanks	Excessive Flow.
4/8/2014	8:25 AM	1106 MARINE ST	Cleanout	2.58	10	Town	Solids. Cave-in over service line.
4/8/2014	12:50 PM	3208 LAKEWOOD CV DR	Cleanout	0.92	30	Eastover	Excessive Flow. Heavy rain fall from the weekend of 4/6/2014.
4/9/2014	11:15 AM	2969 UNIVERSITY DR	Manhole	1.25	1200	Eubanks	Grease. Roots.
4/11/2014	8:50 AM	5535 QUEEN MARY LANE	Manhole	2.67	1230	Town	Grease. Roots.
4/11/2014	5:45 PM	760 N WEST ST	Manhole	1.00	300	Town	Grease.
4/11/2014	6:45 PM	900 BLOCK BELLEVUE PL	Manhole	0.75	900	Town	Grease.
4/12/2014	8:30 AM	4620 ESTELLE DR	Manhole	1.50	200	Eubanks	Collapsed Pipe.
4/14/2014	6:27 AM	4233 BRUSSELS DR	Manhole	3.30	3380	Eastover	Grease.
4/14/2014	7:13 AM	COLONIAL DR ATKINS BLVD	Manhole	3.20	5560	Purple	Excessive Flow.
4/14/2014	1:00 PM	4672 DIXIE DR	Manhole	0.75	2000	Lynch	Grease.
4/14/2014	2:53 PM	1695 HIGH ST	Manhole	0.53	Undetermined	Pearl	Excessive Flow.
4/14/2014	4:23 PM	415 ARMOUR DR	Manhole	0.87	120	Hanging Moss	Excessive Flow.
4/14/2014	5:26 PM	3638 CAVALIER DR	Manhole	2.90	Undetermined	Eubanks	Excessive Flow.
4/14/2014	8:45 PM	2901 SHELIA DR	Manhole	0.25	Undetermined	Lynch	Excessive Flow.
4/15/2014	12:55 PM	784 E NORTHSIDE DR	Manhole	0.33	950	Eubanks	Grease.
4/21/2014	9:15 AM	724 RAYMOND ROAD	Manhole	2.75	1000	Three Mile	Grease. Roots.
5/1/2014	8:30 PM	141 QUEEN ANNE LANE	Manhole	1.50	1000	Lynch	Grease.
5/4/2014	7:30 AM	2263 MCDOWELL ROAD	Cleanout	3.50	4480	Cany	Collapsed Pipe.
5/7/2014	10:40 AM	115 MASON BLVD	Manhole	6.50	5580	Cany	Grease.
5/8/2014	6:00 PM	1155 JOANNE ST	Cleanout	Undetermined	100	Hardy	Building drain - cleanout.
5/9/2014	1:00 PM	503 SPRINGFIELD CIR	Manhole	1.27	2000	Lynch	Excessive Flow.
5/10/2014	5:00 PM	2279 FOREST PARK DR	Pump Station	1.00	200	Trahan	Pump Station Failure.
5/12/2014	9:15 AM	3208 LAKEWOOD CV DR	Manhole	3.17	4488	Cany	Grease.
5/12/2014	6:00 PM	4051 N WEST ST	Manhole	0.75	100		Grease.
5/14/2014	11:00 AM	2724 GENE DR	Cleanout	0.58	15	Lynch	Solids.
5/14/2014	2:00 PM	1044 PARKWOOD PL	Ground Surface (defective pipe underground)	0.50	500	Eubanks	Collapsed Pipe.
5/16/2014	2:15 PM	1321 N LAMAR ST	Manhole	3.50	500	Town	Grease.
5/18/2014	8:20 AM	2649 KELLY AVE	Other	1.75	Undetermined	Town	Collapsed Pipe.
5/22/2014	9:00 AM	1321 N LAMAR ST	Manhole	1.50	200	Town	Roots. Collapsed Pipe.
5/27/2014	10:45 AM	2010 CHADWICK DR	Manhole	2.25	3300	Cany	Grease.
5/30/2014	5:30 PM	1615 PINEHURST ST	Manhole	1.75	800	Belhaven	Collapsed Pipe.
6/3/2014	1:15 PM	1321 N LAMAR ST	Manhole	2.50	1180	Town	Grease. Roots.
6/4/2014	1:30 PM	1321 N LAMAR ST	Manhole	1.25	1180	Town	Grease. Roots.

Table 1  
City of Jackson, Mississippi  
Quarterly Report No.5 -April 2014 through June 2014  
Collection System SSOs

Date Began	Time Began	Location	Source	Estimated Duration, Hours	Estimated Volume, Gallons	Receiving Water	Reported Cause
6/10/2014	9:08 AM	420 SPRINGFIELD CIR	Manhole	8.37	5000	Lynch	Undersized Line. Rain water getting into sewer line.
6/10/2014	9:08 AM	503 SPRINGFIELD CIR	Manhole	8.37	5000	Lynch	Undersized Line. Rain water getting into sewer line.
6/10/2014	9:08 AM	527 SPRINGFIELD CIR	Manhole	8.37	5000	Lynch	Rain water getting into sewer line.
6/10/2014	10:04 AM	702 MYRTLEWOOD DR	Ground Surface (defective pipe underground)	2.93	3380	Three Mile	Grease. Collapsed Pipe.
6/10/2014	8:15 PM	475 STILLWOOD DR	Cleanout	1.75	300	Eubanks	Grease.
6/11/2014	10:10 AM	2028 WILLOW WAY	Manhole	1.67	25	Three Mile	Grease. Solids.
6/15/2014	7:50 AM	5323 RIDGEWOOD ROAD	Ground Surface (defective pipe underground)	3.42	5560	Hanging Moss	Grease. Roots.
6/20/2014	8:45 AM	702 MYRTLEWOOD DR	Manhole	1.50	2280	Cany	Grease. Collapsed Pipe.
6/25/2014	6:00 PM	1215 GARDEN PARK DR	Other	0.75	50	Hardy	Excessive Flow.
6/26/2014	2:17 PM	5547 MIMOSA DR	Manhole	1.22	15	Hanging Moss	Grease. Roots.
6/29/2014	1:15 PM	CULLEY DR 155 N	Manhole	2.25	3300	Hanging Moss	Collapsed Pipe.
6/30/2014	10:25 AM	FOREST AVE WATKINS DR	Manhole	3.08	30	Eubanks	Grease. Solids. Cave-in.

**Figure 1: Collection System SSOs by Cause**



2.0	1.0	2.3	Other
0.0	0.0	1.0	Undersized Line
9.5	1.0	1.0	Excessive Flow
0.0	1.0	0.0	PS Failure
2.0	4.5	2.0	Collapsed Pipe
1.0	1.0	0.8	Solids
2.5	0.5	2.0	Roots
7.0	6.0	4.8	Grease
24.0	15.0	14.0	Total

**Figure 2: Percentage of Collection System SSOs by Cause**

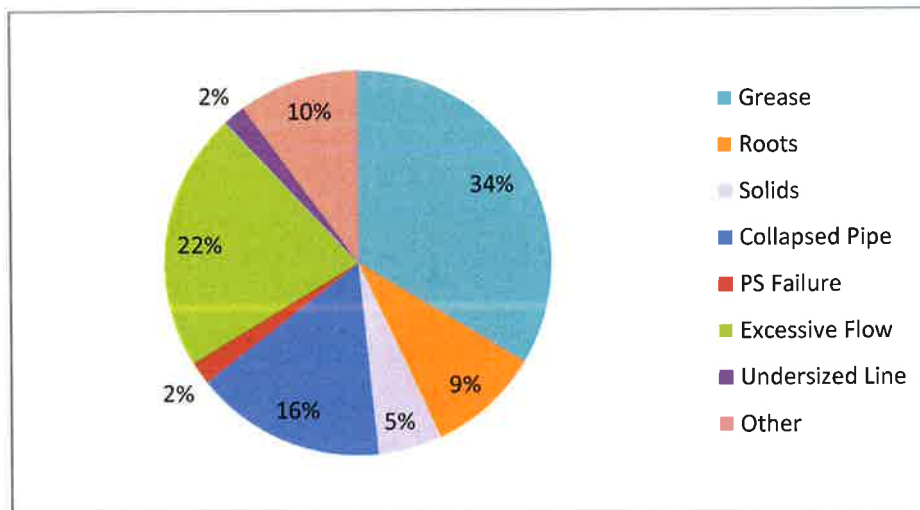


Figure 3: Collection System SSO Volume

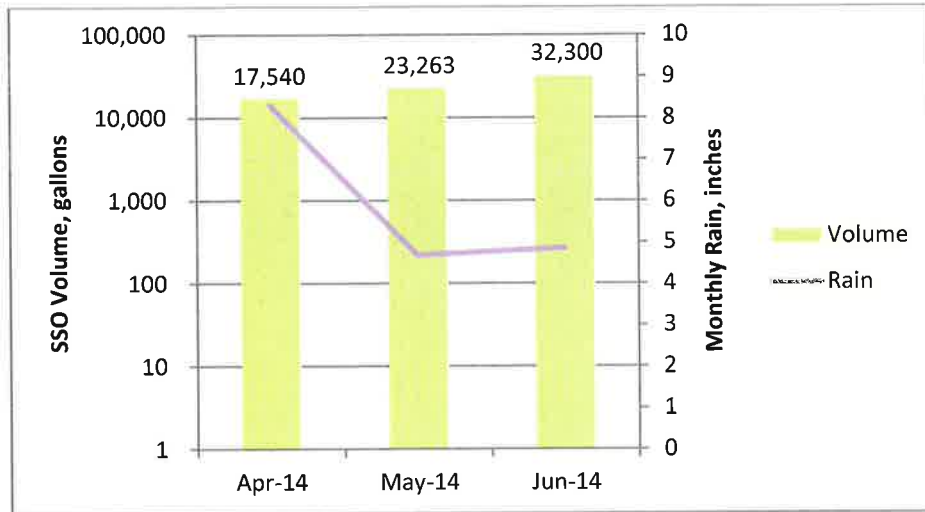
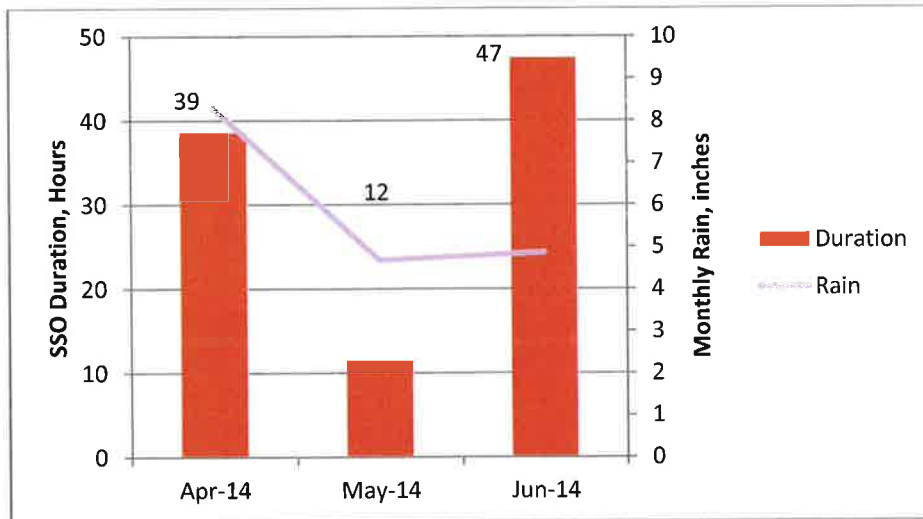


Figure 4: Collection System SSO Duration



## 2.2 West Bank Interceptor SSOs

**Table 2** lists the recorded SSOs in the West Bank Interceptor (WBI) for the quarter.

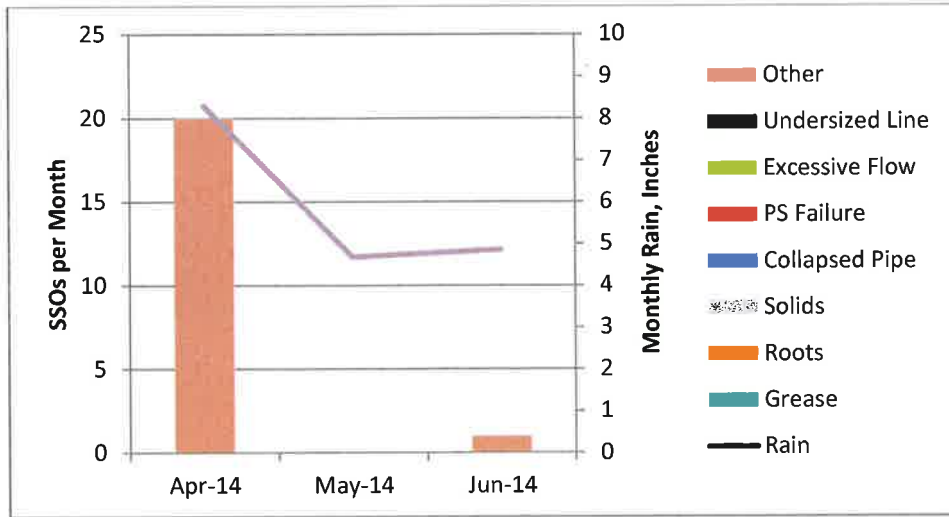
**Figure 5** shows SSO events each month by reported cause, as well as by monthly rainfall. **Figure 6** shows percentages of collection system SSOs for the quarter by cause.

**Figure 7** shows total volume of SSOs for each month, along with rainfall. Because of the large variations in volume, these are plotted on a logarithmic scale. **Figure 8** shows total duration of SSOs for each month, and monthly rainfall. All SSOs were reported at one location, the lowest manhole top on the WBI. Twenty SSOs listed in April are actually one continuous event during flooding of the Pearl River, which is listed as the cause in the “Other” category.

**Table 2**  
**City of Jackson, Mississippi**  
**Quarterly Report No. 5 - April 2014 through June 2014**  
**West Bank Interceptor SSOs**

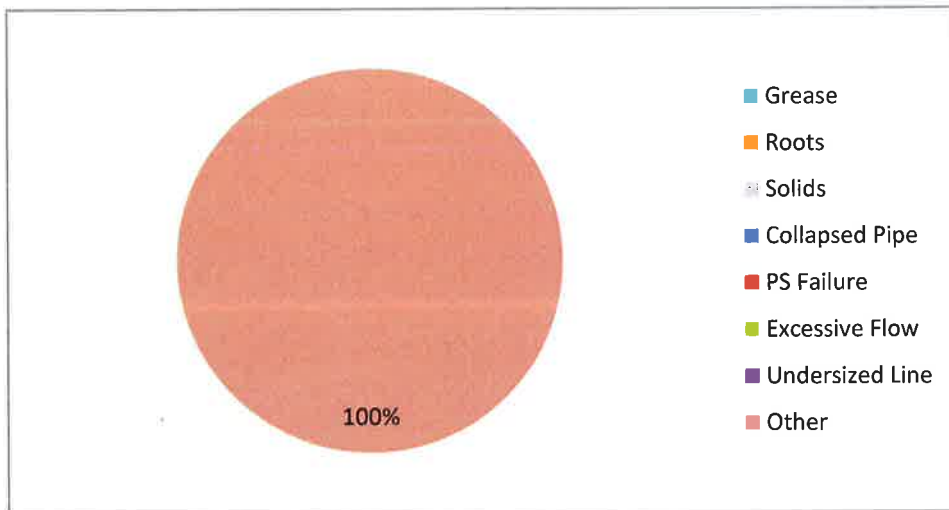
<b>Date Began</b>	<b>Time Began</b>	<b>Location</b>	<b>Source</b>	<b>Estimated Duration, Hours</b>	<b>Estimated Volume, Gallons</b>	<b>Receiving Water</b>	<b>Reported Cause</b>
4/4/2014	7:45 AM	408 S JEFFERSON ST	Manhole	16.25	55,000	Pearl	Pear River water level is up.
4/5/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	250,000	Pearl	Pear River water level is up.
4/6/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	250,000	Pearl	Pear River water level is up.
4/7/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	250,000	Pearl	Pear River water level is up.
4/8/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/9/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/10/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/11/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/12/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/13/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/14/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/15/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/16/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/17/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/18/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/19/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/20/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/21/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/22/2014	12:00 AM	408 S JEFFERSON ST	Manhole	24.00	850,000	Pearl	Pear River water level is up.
4/23/2014	12:00 AM	408 S JEFFERSON ST	Manhole	6.50	850,000	Pearl	Pear River water level is up.
6/10/2014	11:07 AM	408 S JEFFERSON ST	Manhole	4.02	10,000	Pearl	Pear River water level is up.

**Figure 5: West Bank Interceptor SSOs by Cause**

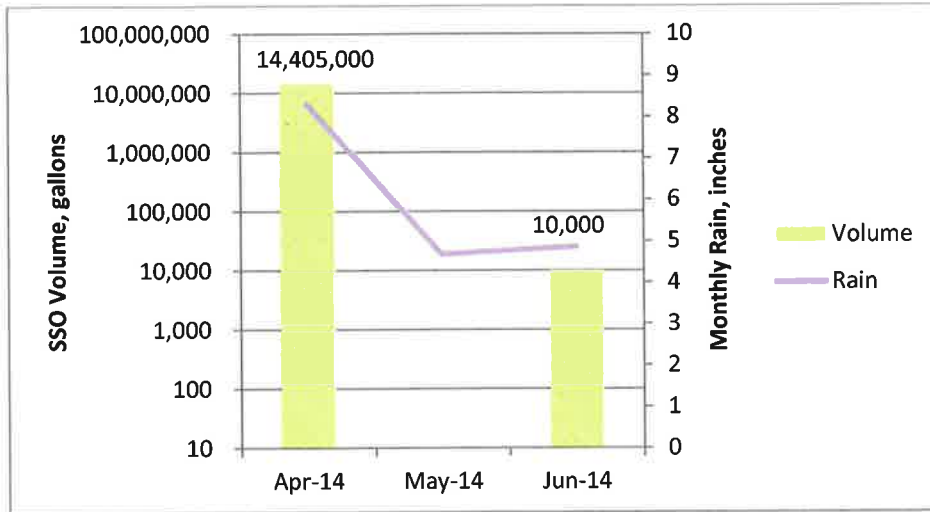


20.0	0.0	1.0	Other
0.0	0.0	0.0	Undersized Line
0.0	0.0	0.0	Excessive Flow
0.0	0.0	0.0	PS Failure
0.0	0.0	0.0	Collapsed Pipe
0.0	0.0	0.0	Solids
0.0	0.0	0.0	Roots
0.0	0.0	0.0	Grease
20.0	0.0	1.0	Total

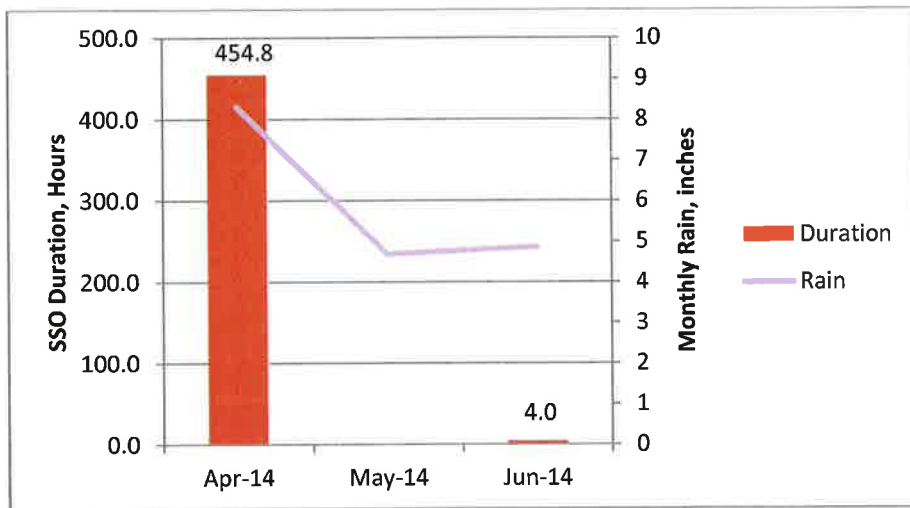
**Figure 6: Percentage of WBI SSOs by Cause**



**Figure 7: West Bank Interceptor SSO Volume**



**Figure 8: West Bank Interceptor SSO Duration**





## 2.3 Pump Station SSOs

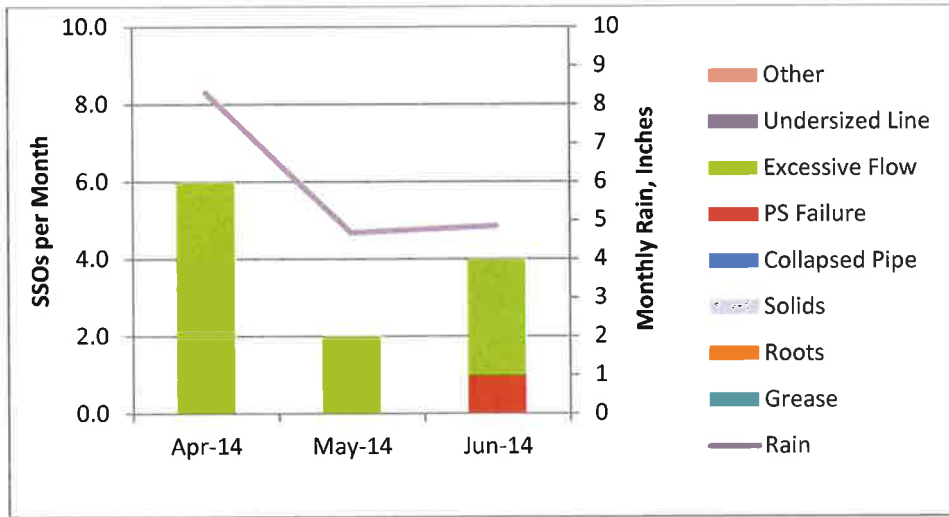
**Table 3** lists pump station SSOs for the quarter.

**Figure 9** shows pump station SSO events by month by reported cause, as listed above, as well as monthly rainfall. As above, multiple causes were assigned fractional values, adding up to a total of one cause for each event. **Figure 10** shows percentage of SSOs by cause for the quarter. **Figure 11** logarithmically plots total volume of pump station SSOs for each month, along with monthly rainfall. **Figure 12** shows total duration of pump station SSOs for each month.

**Table 3**  
**City of Jackson, Mississippi**  
**Quarterly Report No. 5 - April 2014 through June 2014**  
**Pump Station SSOs**

<b>Date Began</b>	<b>Time Began</b>	<b>Location</b>	<b>Source</b>	<b>Estimated Duration, Hours</b>	<b>Estimated Volume, Gallons</b>	<b>Receiving Water</b>	<b>Reported Cause</b>
4/4/2014	8:00 AM	4210 CHURCH CIR	Manhole	4.00	80,000	Lynch	Excessive Flow.
4/6/2014	7:30 AM	4210 CHURCH CIR	Manhole	21.00	150,000	Lynch	Excessive Flow.
4/14/2014	6:00 PM	FRANKLIN D ROOSEVELT DR	Manhole	5.98	100,000	Bogue Chitto	Excessive Flow.
4/14/2014	8:00 PM	4210 CHURCH CIR	Manhole	3.00	100,000	Lynch	Excessive Flow.
4/28/2014	7:30 PM	4210 CHURCH CIR	Pump Station	3.50	15,000	Lynch	Excessive Flow.
4/28/2014	8:00 PM	PRESIDENTIAL DR	Manhole	5.00	10,000	Bogue Chitto	Excessive Flow.
5/28/2014	1:00 AM	1465 SHORT AVE	Manhole	8.00	12,000	Trahon	Excessive Flow.
5/28/2014	1:00 AM	4210 CHURCH CIR	Manhole	3.50	30,000	Lynch	Excessive Flow.
6/10/2014	10:00 AM	FRANKLIN D ROOSEVELT DR	Manhole	15.50	25,000	Bogue Chitto	Excessive Flow.
6/10/2014	10:30 AM	4210 CHURCH CIR	Manhole	3.00	8,000	Lynch	Excessive Flow.
6/25/2014	6:30 PM	4210 CHURCH CIR	Manhole	2.00	5,000	Lynch	Excessive Flow.
6/30/2014	12:30 PM	BROADWAY BLVD	Manhole	0.50	2,000	Lynch	Portable pump discharge like broke at pump fitting.

**Figure 9: Pump Station SSOs by Cause**



0.0	0.0	0.0	Other
0.0	0.0	0.0	Undersized Line
6.0	2.0	3.0	Excessive Flow
0.0	0.0	1.0	PS Failure
0.0	0.0	0.0	Collapsed Pipe
0.0	0.0	0.0	Solids
0.0	0.0	0.0	Roots
0.0	0.0	0.0	Grease
6.0	2.0	4.0	Total

**Figure 10: Percentage of PS SSOs by Cause**

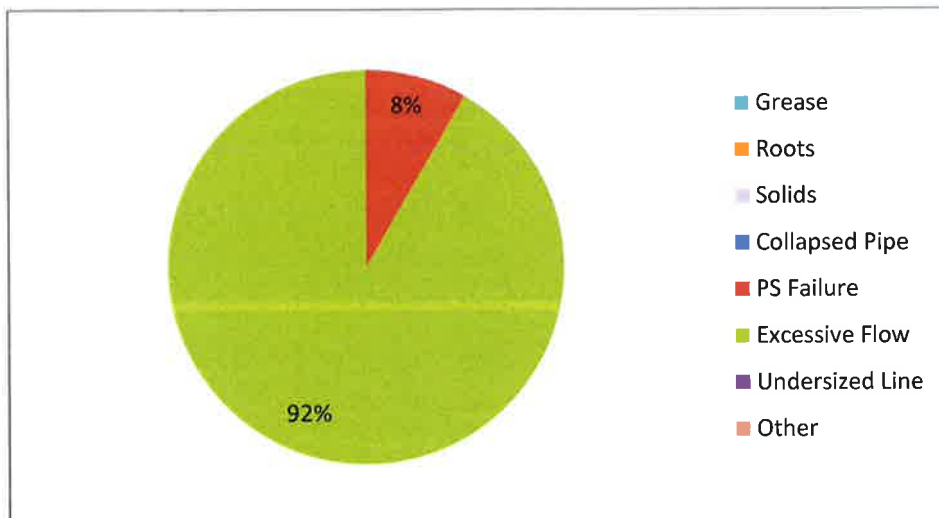


Figure 11: Pump Station SSO Volume

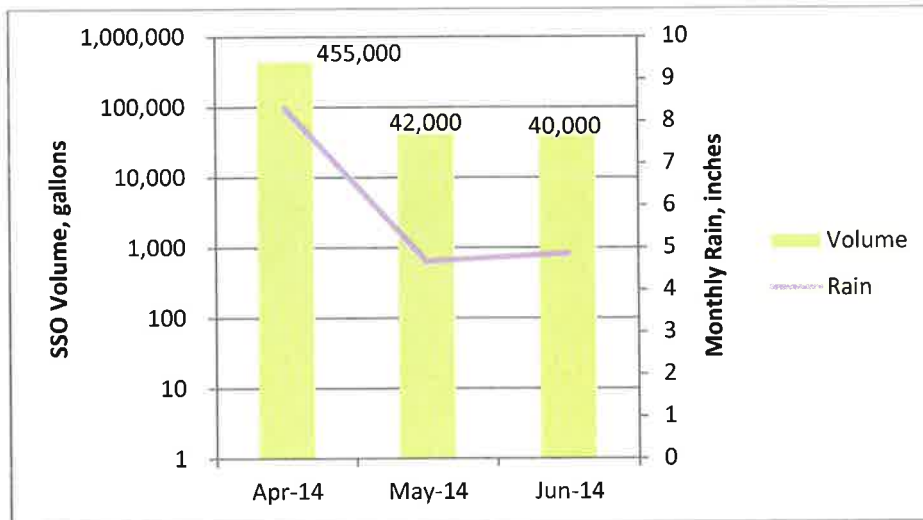
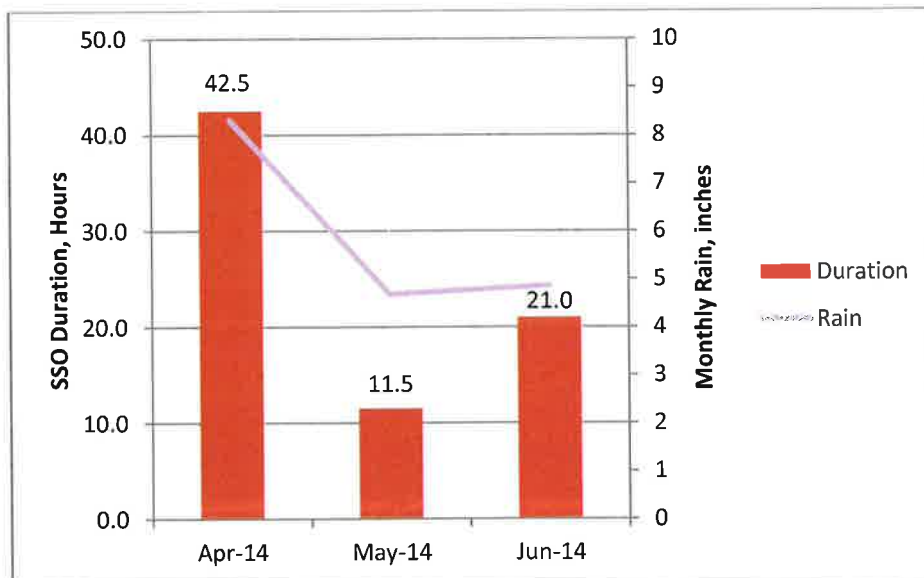


Figure 12: Pump Station SSO Duration



## 2.4 Prohibited Bypasses

**Table 4** lists prohibited bypasses at the wastewater treatment plants for the quarter. Unlike SSOs, each event is considered as one bypass from the day it begins to the day it ends. Only the Savanna Street plant had prohibited bypasses.

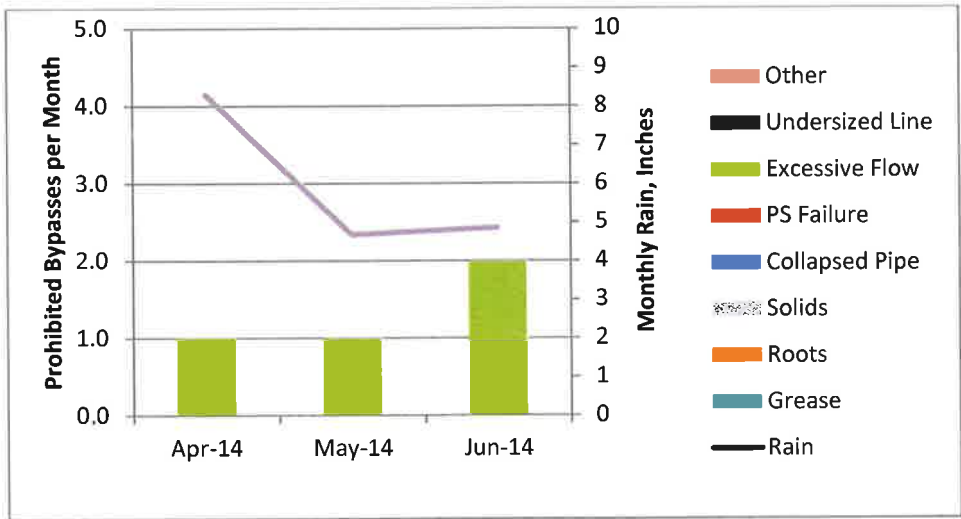
**Figure 13** shows prohibited bypass events by month by reported cause, as listed above, as well as monthly rainfall. **Figure 14** shows annual percentage by reported cause.

**Figure 15** shows total volume of prohibited bypasses for each month plotted logarithmically, along with monthly rainfall. **Figure 16** shows total duration for the month. Note that duration of prohibited bypasses is plotted in days.

**Table 4**  
**City of Jackson, Mississippi**  
**Quarterly No.5 - April 2014 through June 2014**  
**Prohibited Bypasses**

<b>Date Began</b>	<b>Time Began</b>	<b>Location</b>	<b>Source</b>	<b>Estimated Duration, Days</b>	<b>Estimated Volume, Million Gallons</b>	<b>Receiving Water</b>	<b>Reported Cause</b>
03/27/14	1:40 AM	Savanna St WWTP	WWTP	29	1,314.85	Pearl	Heavy rainfall generated influent flows in excess of the mechanical plant's capacity.
05/09/14	3:10 PM	Savanna St WWTP	WWTP	2	26.53	Pearl	Excessive Flow.
05/30/14	3:00 AM	Savanna St WWTP	WWTP	5	66.78	Pearl	Excessive Flow.
06/11/14	6:15 AM	Savanna St WWTP	WWTP	2	54.00	Pearl	Excessive Flow.

**Figure 13: Prohibited Bypasses by Cause**



1.0	0.0	0.0	Other
0.0	0.0	0.0	Undersized Line
2.0	5.0	4.0	Excessive Flow
1.0	0.0	0.0	PS Failure
0.0	0.0	0.0	Collapsed Pipe
0.0	0.0	0.0	Solids
0.0	0.0	0.0	Roots
0.0	0.0	0.0	Grease
4.0	5.0	4.0	Total

**Figure 14: Percentage of Prohibited Bypasses by Cause**

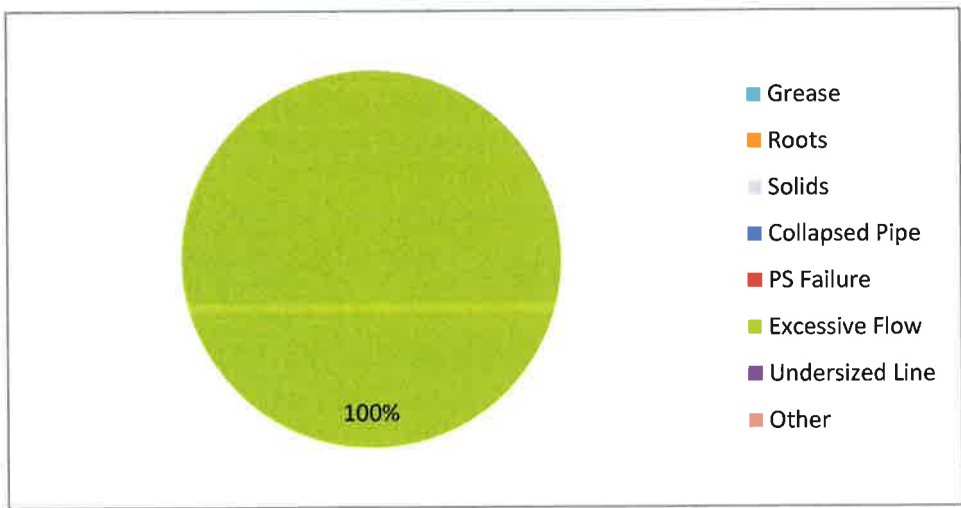


Figure 15: Prohibited Bypass Volume

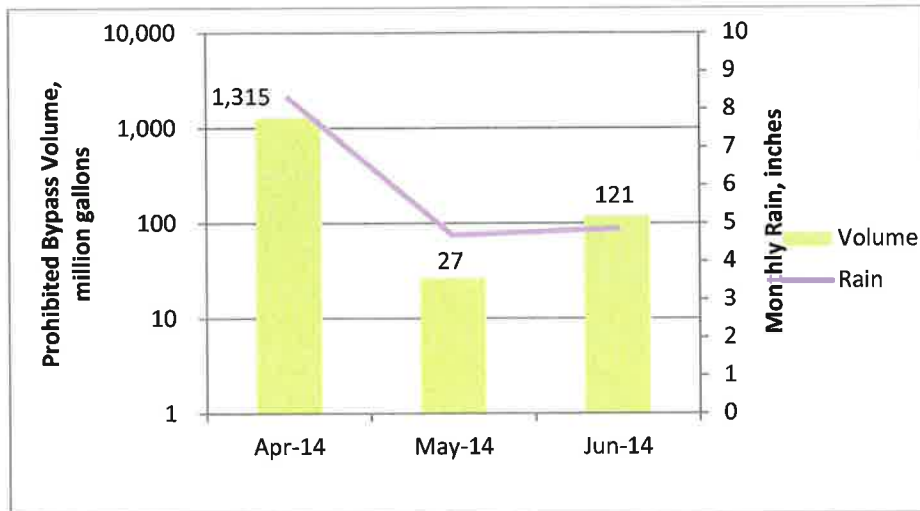
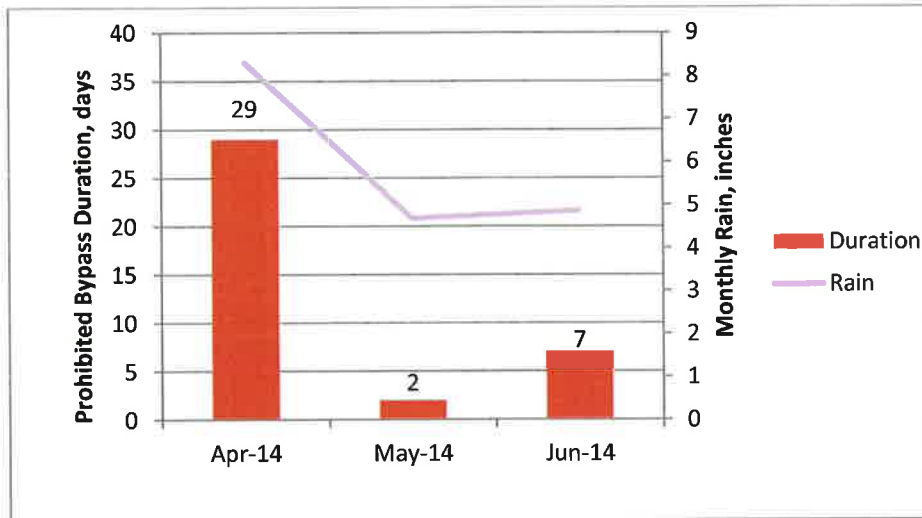


Figure 16: Prohibited Bypass Duration





## **3.0 Training Coordinator**

### **3.1 Progress Update**

The Public Works Department is in the process of creating a Training Coordinator position to implement the CMOM Training Program. A description of qualifications and duties for the Training Coordinator position has been drafted. Public Works management is reviewing the description.

### **3.2 Next steps**

- The description of qualifications and duties will be reviewed by the Department of Personnel Management, which will recommend a salary range.
- The Department of Personnel Management will approve the position.
- The City Council will approve the position.
- The City's Civil Service Commission will approve the position.
- The Department of Personnel Management will advertise the position.