


City of Memphis

Quarterly Report April 1 through June 30, 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.


Bobby D. Allen, P.E.


Date

Quarterly Report

Second Quarter 2014

On September 20, 2012, the United States District Court for the Western District of Tennessee entered a Consent Decree between the City of Memphis and the United States, the State of Tennessee, and the Tennessee Clean Water Network.

To fulfill the reporting requirements defined in Section VIII.24 of the Consent Decree, the City of Memphis has prepared this Quarterly Report, which summarizes all SSO events occurring from April 1 through June 30, 2014. The table included in this report provides the date, time, location, source, estimated duration, estimated volume, receiving water (if any), and cause of the SSO event. An "SSO event" means the total time period SSOs occur at the same location and due to the same cause(s).

Also included in this report is an update on the Color Study of the Stiles Wastewater Treatment Plant effluent.

1. Color Study

The University of Memphis, through their contract with the City, has continued implementing the TDEC-approved color study during this reporting period. Results from the on-site participant visual assessments have been processed. Mechanical Turk surveys 2 and 3 were completed since the last reporting period. The data from the third Mechanical Turk survey are still being analyzed to determine an appropriate statistical method to link decisions on color change to Platinum-Cobalt color units measured from water samples. Results from the Mechanical Turk survey will dictate if/how a decision algorithm for objectionable color should be developed. The City submitted, and TDEC approved, a time extension for submittal of the Color Study report. It is anticipated that all analyses for the study will be completed during the upcoming reporting period in compliance with this extension. Additionally, a meeting with TDEC is scheduled for the upcoming quarter to discuss the preliminary results of the Color Study.

City of Memphis - Sanitary Sewer Overflow Report
 April 1 through June 30, 2014

* Source Definitions: C/O - Cleanout, M/H - Manhole, M/L - Main Line

Location - Address	Date and Time	Cause	Estimated Volume (gallons)	Source*	Estimated Duration (hours)	Receiving stream (if any)
3993 OLD BROWNSVILLE	4/1/2014 13:31	DEBRIS	2,340	M/L	3.9	Unnamed Trib to Loosahatchie
2743 KETCHUM	4/1/2014 16:03	GREASE/RAGS	1,440	M/L	2.4	Unnamed Trib to Nonconhah
4575 Thomas St. / Hwy 51	4/2/2014 11:00	COLLAPSE	30.2M	M/L	201.5	Unnamed Trib to Loosahatchie
4720 O.K. Robertson Rd / Hwy 51	4/2/2014 11:00	COLLAPSE	5,000	M/L	201.5	
1740 RIDGEWAY RD	4/2/2014 13:54	DRIED OUT/GREASE/RAGS	960	M/L	5	Unnamed Trib to Nonconhah
1011 PEABODY AVE	4/3/2014 12:08	GREASE/RAGS	280	M/L	1.6	
1465 E MASSEY RD	4/8/2014 11:00	ROOTS/RAGS	345	M/L	2.3	Unnamed Trib to Wolf River
4228 MOONFALL WAY	4/9/2014 9:29	GREASE	780	M/L	2.1	Unnamed Trib to Nonconhah
492 PONTOTOC AVE	4/10/2014 7:29	GREASE/RAGS	620	M/L	1.8	
10107 HAVANESE LN	4/11/2014 14:54	GREASE	960	M/L	3.2	Unnamed Trib to Grays Creek to Wolf River
3716 PARFET COVE	4/13/2014 10:13	GREASE	600	M/L	2	Unnamed Trib to Loosahatchie
2778 PICKERING DR	4/13/2014 20:00	GREASE	1,200	M/L	2	Unnamed Trib to Nonconhah
3933 W WESLEY FOREST PL	4/14/2014 11:21	GREASE	6,900	M/L	2.3	Unnamed Trib to Horn Lake to Mississippi River
1718 LAWRENCE AVE	4/15/2014 7:32	GREASE	2,340	M/L	2.8	
BINGHAM BTWN MCADOO EVERETT	4/16/2014 18:37	GREASE	1,920	M/L	3.2	Unnamed Trib to Lick Creek to Cypress Creek to Wolf River
7911 E SHELBY DR	4/17/2014 13:18	GREASE	1,200	M/L	2	Unnamed Trib to Nonconhah
3525 HICKORY HILL RD	4/20/2014 6:55	GREASE/RAGS	1,560	M/L	2.6	Unnamed Trib to Johns Creek to Nonconhah
105 S PARKWAY E	4/21/2014 10:38	ROOTS/DRIED OUT	1,200	M/L	2.8	
296 E MALLORY AVE	4/21/2014 10:51	GREASE/RAGS	1,380	M/L	2.3	Unnamed Trib to Nonconhah
3471 W BRIARPARK DR	4/21/2014 16:15	GREASE/RAGS	1,380	M/L	2.3	Unnamed Trib to Days Creek to Nonconhah
611 E DAVANT	4/23/2014 16:46	GREASE/PAPER	450	4 AND 6 Lateral	3.5	
D/E OF MORNINGVIEW	4/24/2014 7:40	ROOTS/GREASE	202,000	M/L	12.3	Unnamed Trib to Hurricane Creek
815 W SHELBY DR	4/25/2014 15:13	GREASE/PAPER	1,770	M/L	5.9	Unnamed Trib to Horn Lake to Mississippi River
3355 CRISTIL ST	4/25/2014 19:29	GREASE	1,740	M/L	2.9	Unnamed Trib to Johns Creek to Nonconhah
3489 AARON RD	4/26/2014 8:39	GREASE	1,320	M/L	2.2	Unnamed Trib to Nonconhah
299 BEN AVON WAY	4/26/2014 11:20	GREASE/RAGS	1,120	BASEMENT	9	
4584 SUMMER AVE	4/26/2014 12:45	GREASE	1,320	M/L	1.5	
2375 PARKWAY PL	4/28/2014 0:00	GREASE	4,850	M/L	17	
2379 PARKWAY PL	4/28/2014 14:01	GREASE	3,231	M/L	3	
300 N SECOND ST	4/28/2014 15:41	GREASE	1,560	M/L	2.6	Unnamed Trib to Gayoso Bayou to Wolf River
1986 BENFORD ST	4/28/2014 19:18	GREASE/RAGS	720	M/L	2.4	
3633 GUERNSEY AVE	4/29/2014 9:37	GRAVEL/GREASE	900	SIPHON	1.5	Unnamed Trib to Wolf River
MORNINGVIEW DRIVE	4/29/2014 10:00	ROOTS/DEBRIS	72,000	M/L	48	Unnamed Trib to Hurricane Creek
TUTWILER & EASTERN	4/29/2014 10:51	GREASE/RAGS	780	M/L	2.6	Unnamed Trib to Wolf River
3170 DOUGLASS AVE	4/29/2014 11:00	GREASE/RAGS	1,380	M/L	2.3	Unnamed Trib to Wolf River
4060 WESTMONT ST	4/29/2014 12:46	GREASE/RAGS	1,200	M/L	2	Unnamed Trib to Nonconhah
2311 PERRY RD	4/29/2014 13:20	GREASE/RAGS	390	M/L	1.3	Unnamed Trib to Nonconhah
4480 WESTMONT ST	4/30/2014 9:57	GREASE	1,200	M/L	1.5	
3300 DAPHNE COVE	5/2/2014 7:22	GREASE/ROOTS	1,080	M/L	3.6	Unnamed Trib to Harrison Creek to Nonconhah
5894 MONROE DR	5/5/2014 11:58	ROOTS/RAGS	1,800	M/L	3	Unnamed Trib to Fletcher Creek to Wolf River

Location - Address	Date and Time	Cause	Estimated Volume (gallons)	Source*	Estimated Duration (hours)	Receiving stream (if any)
363 FENWICK	5/6/2014 9:24	ROOTS/GREASE	1,320	M/L	4.4	Unnamed Trib to Cypress Creek to Wolf River
1093 MCEVERS RD	5/6/2014 10:36	GREASE	840	M/L	1.4	Unnamed Trib to Black Bayou to Noncannah
2256 AIRWAYS BLVD	5/6/2014 17:10	GREASE	1,020	M/L	4	Unnamed Trib to Noncannah
4604 BENOIT DR	5/7/2014 9:15	GREASE	3,000	M/L	2	Unnamed Trib to Noncannah
2691 DEMOCRAT RD	5/7/2014 9:58	GREASE/PAPER	1,020	M/L	1.7	Unnamed Trib to Hurricane Creek to Noncannah
MASON RICHRIAR	5/7/2014 10:17	GREASE/ROOTS	1,080	M/L	1.8	Unnamed Trib to Wolf River
5494 ELVIS PRESLEY BV	5/7/2014 11:18	GREASE	1,320	M/L	2.2	Unnamed Trib to Days Creek to Noncannah
1701 CENTURY CENTER COVE	5/7/2014 14:48	GREASE/RAGS	1,440	M/L	4.8	Unnamed Trib to Fletcher Creek to Wolf River
1848 QUAIL PATH COVE	5/8/2014 8:35	DRIED OUT/GREASE/RAGS	1,560	M/L	2.6	Unnamed Trib to Fletcher Creek to Wolf River
183 GREENBRIAR DR	5/8/2014 16:23	GREASE	3,600	M/L	6	Unnamed Trib to Cypress Creek to Wolf River
342 WASHINGTON	5/8/2014 16:27	GREASE	1,020	M/L	1.7	Unnamed Trib to Cypress Creek to Wolf River
2146 MONROE AVE	5/9/2014 14:51	GREASE	1,500	M/L	2.5	Unnamed Trib to Cypress Creek to Wolf River
183 GREENBRIAR DR	5/9/2014 16:37	GREASE/ROOTS	1,200	M/L	2	Unnamed Trib to Cypress Creek to Wolf River
7324 PEPPERMILL LN	5/10/2014 9:06	GREASE/RAGS	780	M/L	1.9	Unnamed Trib to Cypress Creek to Wolf River
3372 CENTRAL AVE	5/10/2014 14:06	GREASE	780	M/L	2.6	Unnamed Trib to Noncannah
1996 CUMMINGS ST	5/12/2014 10:23	GREASE/RAGS	780	M/L	1.3	Unnamed Trib to Cypress Creek to Wolf River
2637 PARKVIEW	5/12/2014 10:32	GREASE	900	M/L	1.5	Unnamed Trib to Cane Creek to Noncannah
3834 MARION AVE	5/12/2014 11:30	GRAVEL/SAND	840	M/L	1.4	Unnamed Trib to Harrington Creek to Wolf River
3620 HICKY ST	5/13/2014 11:10	GREASE	1,440	4 AND 6 Lateral	2.4	Unnamed Trib to Black Bayou to Noncannah
3640 BROWNBARK	5/15/2014 9:07	GREASE	3,600	M/L	2.4	Unnamed Trib to Noncannah
1916 KENDALE AVE	5/15/2014 14:14	PAPER	36	4 AND 6 Lateral	2.1	Unnamed Trib to Noncannah
2570 WOODCLIFF DR	5/16/2014 15:36	GREASE	1,500	M/L	2.5	Unnamed Trib to Wolf River
1580 CRIMSON RD	5/17/2014 17:01	GREASE	840	M/L	1.4	Unnamed Trib to Wolf River
520 S MAIN SUITE 101	5/18/2014 20:45	GREASE	22,440	M/L	1.5	Unnamed Trib to Horn Lake to Mississippi River
4544 NEW ALLEN RD	5/19/2014 12:39	DRIED OUT/GREASE/RAGS	600	M/L	1	
1074 SEMMES ST	5/20/2014 11:11	GREASE/PAPER	1,080	M/L	3.6	
4435 POWELL AVE	5/21/2014 14:56	GREASE/RAGS	1,320	M/L	2.2	
1888 BARTLETT RD	5/23/2014 9:13	GREASE/ROOTS	960	M/L	1.6	
750 E DAVANT AVE	5/24/2014 9:25	GREASE/RAGS	720	M/L	2.4	
1011 PEABODY AVE	5/24/2014 13:43	GREASE	150	M/L	1.7	
4980 FRENCH BEND DR	5/27/2014 16:24	GREASE	3,920	M/L	1.7	Unnamed Trib to Loosahatchie
119 DEVON WAY	5/28/2014 9:00	FLOODED	1,500	M/L	1.1	
277 HONDURAS DR	5/28/2014 17:23	GREASE	1,950	M/L	1.3	Unnamed Trib to Horn Lake to Mississippi River
4877 APPLESTONE COVE	5/28/2014 18:48	GRAVEL/GREASE	4,490	M/L	2.1	Unnamed Trib to Horn Lake to Mississippi River
1555 S WELLINGTON ST	5/31/2014 11:10	GREASE/ROOTS	4,490	M/L	2.7	
243 S COOPER ST	6/1/2014 8:52	GREASE/RAGS	3,920	M/L	1.2	
1022 ESPLANADE PL	6/4/2014 15:31	GREASE/RAGS	780	M/L	1.3	Unnamed Trib to Mississippi River
DANNY THOMAS POPLAR	6/5/2014 14:05	BROKE DOWN	1,500	M/L	2.6	Unnamed Trib to Gayoso Bayou to Wolf River
389 POPE ST	6/6/2014 9:44	GREASE	900	M/L	1.5	Unnamed Trib to Cypress Creek to Wolf River
427 SIMPSON AVE	6/9/2014 11:57	BROKE DOWN	610	M/L	3.1	
425 DEERSKIN DR	6/9/2014 20:11	GREASE	3,600	M/L	2.4	Unnamed Trib to Noncannah
478 JOSEPHINE ST	6/10/2014 12:12	GREASE/RAGS	90	M/L	2.5	
2772 WILLIAM TELL COVE	6/11/2014 8:03	GRAVEL/SAND	540	M/L	1.8	Unnamed Trib to Wolf River
10037 BLOOMSBURY AVE	6/11/2014 8:49	ROOTS/RAGS	1,860	M/L	3.1	Unnamed Trib to Grays Creek to Wolf River

Location - Address	Date and Time	Cause	Estimated Volume (gallons)	Source*	Estimated Duration (hours)	Receiving stream (if any)
5567 WINCHESTER RD	6/11/2014 10:21	GREASE	960	M/L	1.6	Unnamed Trib to Johns Creek to Noncannah
6060 POPLAR AVE	6/14/2014 11:28	GREASE	3,200	M/L	1	
3624 ROYAL WOOD DR	6/16/2014 8:30	BROKE DOWN	86,400	M/L	193.5	Unnamed Trib to Loosahatchie
119 DEVON WAY	6/16/2014 11:03	UNDETERMINED	450	M/L	1.5	
9160 GAINSBOROUGH	6/17/2014 17:23	GREASE	660	M/L	1.1	Unnamed Trib to Fletcher Creek to Wolf River
2461 DEMOCRAT RD	6/18/2014 9:03	GREASE/ROCKS/SAND	1,710	M/L	5.7	Unnamed Trib Noncannah
ORLEANS & TATE	6/23/2014 10:33	GREASE/RAGS	840	M/L	1.4	Unnamed Trib to Gayoso Bayou to Wolf River
1400 GREENBROOK PKY	6/23/2014 14:55	GREASE	2,760	M/L	4.6	Unnamed Trib to Fletcher Creek to Wolf River
10169 SORRENTO PL	6/25/2014 8:55	GREASE/PAPER	600	M/L	1	Unnamed Trib to Grays Creek to Wolf River
299 BEN AVON WAY	6/26/2014 11:08	ROOTS/GREASE	600	M/L	1.4	
562 STEPHENS PL	6/27/2014 9:19	ROOTS/DRIED OUT	1,320	M/L	2.2	
498 W RAINES RD	6/28/2014 12:40	GREASE/RAGS	1,140	M/L	1.9	Unnamed Trib to Mallory to Noncannah
6286 GREEN GROVE DR	6/29/2014 7:31	FLOODED ¹	500	M/L	13.3	Unnamed Trib to South Cypress Creek to Mississippi River
2815 LOMBARDY RD	6/29/2014 8:12	FLOODED ¹	6,000	M/L	2.4	
665 N TREZEVANT ST	6/29/2014 8:13	FLOODED ¹	100	M/L	1.4	
2931 CHERRY RD	6/29/2014 8:24	FLOODED ¹	660	M/L	1.4	
1867 FOSTER AVE	6/29/2014 9:11	FLOODED ¹	600	M/L	4.4	
2234 MADISON AVE	6/29/2014 9:24	FLOODED ¹	3,000	M/L	2.2	
705 N BELVEDERE BLVD	6/29/2014 10:34	FLOODED ¹	100	M/L	7.8	
2240 DEMOCRAT RD	6/29/2014 10:35	FLOODED ¹	2,600	M/L	2.3	
1254 BIG ORANGE	6/29/2014 10:47	Malfunction of plug due to flooded waters ¹	15,000	Pump Station	1.5	Unnamed Trib to Grays Creek to Wolf River
1662 RENDALE AVE	6/29/2014 11:04	FLOODED ¹	1,320	M/L	3.7	
1852 SNOWDEN AVE	6/29/2014 13:45	FLOODED ¹	100	M/L	4.3	
913 MEAGHER ST	6/29/2014 13:50	FLOODED ¹	660	M/L	3.4	
3048 MDIAH TRAIL	6/29/2014 16:18	FLOODED ¹	1,540	M/L	5.5	
1836 FOSTER AVE	6/29/2014 17:26	GREASE/RAGS	2,640	M/L	1.4	Unnamed Trib to Mallory to Noncannah
1888 VOLLINTINE AVE	6/29/2014 17:46	FLOODED ¹	660	M/L	1.1	Unnamed Trib to Cypress Creek
155 NORTHWOOD DR	6/29/2014 18:22	FLOODED ¹	1,320	M/L	2.6	Unnamed Trib to Cypress Creek to Wolf River
646 CENTER DR	6/29/2014 18:44	FLOODED ¹	3,000	M/L	0.3	
2254 MONROE AVE	6/30/2014 9:12	FLOODED ¹	4,300	M/L	1.2	
2030 HALLWOOD DR	6/30/2014 11:45	FLOODED ¹	200	M/L	3	
4250 STILLWATER COVE	6/30/2014 16:49	GREASE	1,140	M/L	1.9	Unnamed Trib to Noncannah
HIGHLAND WINDOVER	6/30/2014 17:15	GREASE	1,170	M/L	3.9	Unnamed Trib to Cypress Creek to Wolf River
766 N AVALON ST	6/30/2014 22:33	ROOTS	200	6"	0.8	

1 - On July 28-29, the Memphis International Airport received a total of 7.09 inches of rainfall over a 24-hour period with a peak intensity of 2.55 inches occurring over one hour. Based on the max 24-hour rainfall, the storm had between a 25-year and 50-year recurrence interval.