



July 23, 2014

VIA OVERNIGHT MAIL

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Reference DOJ Case No. 90-5-1-1-4402/1

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**RE: United States, et al. v. Mayor and City Council of Baltimore
Civil Action No. JFM-02-1524
Calendar Quarterly Report No. 47
For Calendar Quarter Ending June 30, 2014**

Ladies and Gentlemen:

In the above referenced Consent Decree, the City of Baltimore agreed to submit a Calendar Quarterly Progress Report covering activities required by the Consent Decree. Included herewith is Calendar Quarterly Report No. 47, for the Calendar Quarter ending June 30, 2014.

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We trust that you will agree that the City of Baltimore is in compliance with this requirement of the Consent Decree. Please notify us if you have any questions related to this item.

Sincerely,

A handwritten signature in blue ink that reads "Kumasi Vines". The signature is fluid and cursive, with the first name "Kumasi" and the last name "Vines" clearly distinguishable.

Kumasi Vines
Acting Bureau Head

Enclosures

KV/ajd

cc: Rudolph S. Chow, P.E.
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City of Baltimore Sanitary Sewer Overflow Consent Decree

Civil Action No. JFM-02-1524

Calendar Quarterly Report No. 47
For Calendar Quarter ending June 30, 2014

*Submitted:
July 30, 2014*

*Submitted To:
United States Environmental Protection Agency
United States Department of Justice
Maryland Department of the Environment*

*Prepared By:
City of Baltimore
Department of Public Works,
Bureau of Water and Wastewater*

Statement of Certification

I certify under penalty of law that this information was 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 directions and my inquiry of the person(s) who manage the system, or the person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Kumasi Vines 7503-17

Kumasi Vines
Acting Bureau Head

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A. INTRODUCTION

This Calendar Quarterly Report is submitted pursuant to the requirements of a Consent Decree entered on September 30, 2002 in the United States District Court for the District of Maryland as part of the response to Civil Action No. JFM-02-1524. This Calendar Quarterly Report is intended to provide an update on the progress of remedial measures required by the Consent Decree and the status of various programs to be implemented.

The requirements for the Calendar Quarterly Report are specified in Paragraph 18 of the Consent Decree, which reads as follows:

"Beginning with the first full calendar quarter after the Date of Entry of the Consent Decree, Baltimore shall submit to EPA and MDE within thirty (30) days after the end of each calendar quarter until termination of this Consent Decree a Calendar Quarterly Progress Report ("Calendar Quarterly Report") covering the subject of this Consent Decree. This Calendar Quarterly Report shall contain the following:

- i. Progress reports on the implementation of the requirements of Section VII (Remedial Measures) as described in Paragraphs 8 through 15;
- ii. A description of any problems anticipated with respect to meeting the requirements of Section VII (Remedial Measures) of this Consent Decree; and
- iii. A description of all environmentally beneficial projects and SEP implementation activity in accordance with Paragraphs 29-33 of the Consent Decree; and
- iv. Any such additional matters as Baltimore believes should be brought to the attention of EPA and MDE."

It was noted that Paragraph 18 contained a typographical error. The Remedial Measures described in Paragraphs 8 through 15 comprise Section VI of the Consent Decree, and not Section VII. Accordingly, this Calendar Quarterly Report refers to Paragraphs 8 through 17 of the Consent Decree as Section VI.

B. PROGRESS OF IMPLEMENTATION OF SECTION VI REQUIREMENTS

For reference purposes, this Section B is organized so that the item numbers correspond directly to Paragraphs and subparagraphs in the Consent Decree.

Paragraph 8: Elimination of Sanitary Sewer Overflow and Combined Sewer Overflow Discharges

- A. General Requirements:** During the calendar quarter ending June 30, 2014, the City of Baltimore was in general compliance with the Clean Water Act and Title 9, Subtitle 3 of the Environment Article, Annotated Code of Maryland. Episodes of non-compliance include un-permitted sanitary sewer overflows (SSOs), as reported during the quarter in accordance with Paragraph 17 of the Consent Decree and as summarized in Appendix 5 herein.
- B. Construction Projects:** Appendix 1 to this Calendar Quarterly Report provides a status update for each of the construction projects listed in Appendix D of the Consent Decree.

1. Practical Completion

As design and construction progress, concerns and issues have arisen that may impact the schedule for some of the Paragraph 8 projects, are as follows:

Project No. 8: Stony Run Interceptor and Pumping Station: Due to significant public opposition to the proposed pumping station site in Wyman Park, additional pumping station locations were investigated. A new location at the Department of Public Works Solid Waste Site, near the intersection of Sisson Street and 29th Street had been selected and approved by MDE and EPA. To expedite the project, this project was split into 3 phases:

- SC 819 (Phase 1) is an upper portion of Stony Run interceptor and consists of rehabilitation, and partial replacement of pipelines and manholes located north of Wyndhurst Avenue. Practical completion of this project was complete as of October 14, 2006.
- SC 838 (Phase 2) is the middle portion of Stony Run interceptor and consists of rehabilitation and partial replacement of pipelines located between Cold Spring Lane and Wyndhurst Avenue. Practical completion of this project was complete as of March 21, 2007.
- SC 839 and SC 847 (Phase 3) consist of 20 mgd pumping station, force main and gravity sewer. Due to delay in siting the pump station, the City has requested and MDE has approved a 6-month extension for the project advertisement and completion dates. Both SC 839 and SC 847 were advertised on June 16, 2006. For Contract SC 839, the city received only one bid 65% above the engineers estimate. The city rejected this bid and had determined that the compressed construction schedule of one year is the primary reason for the unusually high bid amount and lack of competitive bidding. The

City re-advertised Contract SC 839 on October 27, 2006 and, anticipated that based on bids received in December, contract negotiations will begin. The City sent a letter on October 13, 2006 requesting an additional extension of fourteen (14) months to account for the additional time required for construction due to the increased scope of work. For SC 847 the city had awarded this contract to a successful bidder and the current duration was one year, however the full functionality and operation of the pumping station will depend on the progress of SC 839. Therefore, the City has requested to move the practical completion date for SC 839 and SC 847 from December 31, 2007 to February 28, 2009. A response from MDE was received on February 26, 2007, granting the requested extension. The Practical Completion deadline for both of these projects is now February 28, 2009. The extension letter request for the extension of SC 847 to May 31, 2009 was granted by EPA on June 22, 2009 and MDE on April 15, 2010. Practical Completion was achieved on May 29, 2009, for lower portion of project SC 839RR – Stony Run Interceptor. Conditional acceptance for SC 839RR was achieved on July 21, 2011.

2. SSO Structure Elimination

SSO No. 132 is located at the intersection of Springdale Avenue and Hilton Street. It was proposed to monitor this SSO structure for a twelve-month period ending September 18, 2004. During the calendar quarter ending September 30, 2005, activity was observed at this SSO structure on March 23, and March 28, 2005.

The City of Baltimore eliminated SSO No. 33 & No. 34 on December 10, 2008 and December 23, respectively. The City of Baltimore eliminated SSO No. 136 on January 21, 2009.

SSO No. 132 is located at intersection of Hilton Street & Springdale Ave
SSO No. 134 is located near the intersection of Liberty Heights and Elamont Road. SSO No. 135 is located one block away from SSO No. 134, at the intersection of Liberty Heights and Dennlyn Road.
SSO No. 137 is located near the intersection of Shannon Drive and Brehms Lane.
SSO No. 138 is located at the intersection of Cold Spring Lane & Ayrdale Ave.
SSO No. 139 is located at the intersection of W Garrison Ave and Queensberry Ave.

The City is working on addressing these SSOs. The City has engaged the services of an engineering firm to investigate and evaluate the collection system adjacent to SSO Nos. 132, 134 and 135. The design to eliminate these SSOs is complete and the contract was advertised on February 10, 2012, bids were opened on April 4, 2012, contract was awarded on September 26, 2012, and Notice to Proceed was issued on February 4, 2013. **Due to construction and bypass activity at SSO #132 (site P8_10_132S), SSO #134 (site HL32) and SSO #135 (site P8_10_135S) these meters were removed on 2/20/14, 8/17/13 and 6/13/14 and, respectively. These meters are planned to be reinstalled once construction is complete.**

The City will continue to monitor and evaluate activity at these SSO structures and will continue to keep EPA and MDE advised of progress in future Calendar Quarterly Reports.

Other than the concerns and issues noted here, all Paragraph 8 projects are complete. The milestone dates specified in Appendix D of the Consent Decree have all been met.

C. Separate Sanitary Sewer Characterization Report: This requirement has been completed.

D. Elimination of Combined Sewer Overflows:

Walbrook: This project has been completed.

Forest Park: During the calendar quarter ending September 30, 2006, combined sewer overflow (CSO) No. 13P was eliminated and the City reported that the Combined Sewer System has been separated and all CSO structures have been eliminated in the Forest Park neighborhood.

On October 11, 2006, the City sent a letter to MDE/EPA that included a report dated March 2006 entitled "Confirmatory Testing for Final Separation of Combined Sewer System in Forest Park Area". The letter also documented the elimination dates for the CSO structures associated with this area, including 10P, 11P, 13P, 18P, 19P, 21P, and 31P. Lastly, the City requested that post-construction monitoring be waived for these CSO structures since the eliminations were performed.

MDE responded to this letter on December 11, 2006, and approved the waiving of post monitoring for the CSO structures, with the exception of 13P. For this structure 13P, MDE noted that a site inspection was performed by MDE on October 19, 2006 that revealed the discharge of raw sewage. Therefore, MDE disapproved the waiving of the post-monitoring requirements at this location. On January 16, 2007, the City submitted a letter of response that included additional sampling results indicating that the high bacterial levels are due to stagnant pooling water at the outfall in lieu of a sewage discharge. It is therefore believed by the City that post-monitoring can be waived at overflow structure 13P. EPA requested that the City provide additional clarification regarding CSO 13P. Sampling was carried out on February 8, 2012 and a report and laboratory results were sent to EPA on March 21, 2012.

E. Flow and Rainfall Monitoring for Paragraph 8 Construction Projects:

As of June 30, 2014, 3 flow meters are installed as indicated in Table 8-1 specifically for Paragraph 8 Projects.

Table 8-1: Flow Monitor Installations for Paragraph 8 Projects

Consent Decree Project ID No.	ADS Project ID No.	Project	No. of Meters		
			April	May	June
7	4	Lower Jones Falls Interceptor	1	1	1
8	5	Stony Run Interceptor & P.S.	1	1	1
10	7	Greenmount Interceptor	1	1	1

Consent Decree Project ID No.	ADS Project ID No.	Project	No. of Meters		
			April	May	June
Total			3	3	3

A summary of rainfall and flow monitoring data collected during March, April, and May 2014 (the data reported lags by one month due to the 30-day lag time in delivery of the prior month's data), prepared by RJN/ADS Environmental Services is submitted on a compact disk in the inside of the back cover of this Calendar Quarterly Report. The ADS report includes:

- Meter location maps
- Meter site reports
- Rain gauge location maps
- Tabular flow monitoring data
- Tabular rain gauge data
- Depth and velocity scattergraph plots
- Flow and rainfall data in Excel format

All flow meters are ADS Model 4000 flow monitors. Each meter was calibrated by manually measuring depth and velocity to confirm that the flow meters are functioning properly. Multiple measurements were obtained for each flow meter. These measurements are shown on the depth-velocity scattergraphs provided for the flow monitoring sites.

F. Progress Reports:

Progress of work under Paragraph 8 is as reported herein.

Paragraph 9: Collection System Evaluation and Sewershed Plans

- A.** The milestone dates for completion of the Sewershed Study and Plan for each of the City's eight sewersheds, as established by Paragraph 9.B of the Consent Decree, recognize that evaluation work will not begin in earnest until several years after the Date of Entry.

Sewershed Study and Plan: The City submitted Jones Falls, the first of the sewershed plans to MDE/EPA and DOJ on December 26, 2008 with an approach plan for prioritizing the capital improvements recommended by the Jones Falls team and the other sewersheds. MDE/EPA submitted comments on the Jones Falls Report in a letter dated June 4, 2009. The City responded within 30 days. The Herring Run sewershed plan was submitted to MDE/EPA and DOJ on June 26, 2009. The Low Level sewershed plan was submitted to MDE/EPA and DOJ on December 22, 2009. The High Level sewershed plan was submitted to MDE/EPA and DOJ on December 21, 2009. The Patapsco, Dundalk, Outfall and Gwynns Falls sewershed plan were submitted to MDE,

EPA and DOJ on June 15, 2010, June 18, 2010, June 25, 2010 and June 28, 2010, respectively. All eight (8) Sewershed Plans/Reports were submitted by the milestone dates established in the Consent Decree.

In the Planning phase the Sewershed teams have completed quality control and the quantities below are provided as final inspection quantities.

- A total of 33,227 manholes were inspected during Paragraph 9 sewershed studies
- A total of 5,994,171 linear feet of sewers were CCTV inspected during Paragraph 9 sewershed studies (~ 94%).

Any remaining assets will be inspected during Paragraph 9 rehabilitation projects.

B. The Sewershed Study and Plan Elements: The Plan Elements in the Consent Decree are to be followed for each sewershed.

C. Collection System Inspections: Please refer to Section A above for a summary of final inspection quantities.

In accordance with Paragraph 8 and 9 of the Consent Decree, many collection system components have been replaced, rehabilitated, and slip-lined. The City submitted to the EPA/MDE, under Paragraph 9 D (vii), a request for wavier of the Paragraph 9.D inspection requirements for these system components. In a letter dated September 04, 2007, MDE approved the request to waive inspection of selected portions of the collection system.

D. Infiltration and Inflow ("I/I") Evaluation: Flow monitoring began on May 09, 2006. As of June 30, 2014, the flow monitoring continues at 9 meter locations throughout the City, including the long term monitoring program.

E. Long-Term Capacity/Peak Flow Management: During the calendar quarter ending June 30, 2014, there was no capacity/flow management analysis activity related to the Sewershed Studies and Plans.

F. Sewershed Study and Plan(s) Approval and Implementation:

Sewershed Study and Plan(s):

All eight (8) Sewershed Plans/Reports have been submitted by the milestone dates established in the Consent Decree.

Approval

The plans have been submitted. The City provided a technical workshop on February 26, 2009, addressed comments sent on June 4, 2009 for Jones Falls and met with MDE and EPA on May 3, 2010 to provide further justification on the use of the 2-year 24 hr design storm. In addition to other items such as an affordability analysis, MDE and EPA also requested that the City consider levels of improvement that would minimize SSOs in sensitive areas. Based on EPA's definition of "sensitive areas" received on June 28,

2010, the City evaluated an approach that includes the sewershed studies recommended improvements and accounts for higher levels of controls for minimizing SSOs in identified sensitive areas. The City received a letter from United States Environmental Protection Agency (EPA) dated February 10, 2011, stating that it has reviewed the Final Sewershed Plans for Jones Falls, Herring Run, and High Level. Based on its review has concluded that after the City implements the proposed improvements (2-year 24-hour design storm) a significant number of overflows will remain during greater storm events, including 5-year and 10-year 24-hour storm events. Therefore, EPA cannot approve these sewershed plans as submitted because the recommended improvements fall short from the goal of the CD in ensuring that Baltimore's sewage collection system does not cause or contribute to SSOs.

EPA's response provides minimal direction on how the City should proceed with revising the plans. Therefore the City met with EPA and MDE on June 02, 2011, to better understand their expectations. During this meeting, the City presented a revised approach utilizing 64 years of historic rainfall data for determining the appropriate level of protection to be utilized as the basis of design for system improvements to reduce the number of SSOs. Based upon this meeting, EPA and MDE requested further clarification of the proposed methodology. The City submitted a white paper outlining the Continuous Simulation Methodology on June 30, 2011.

On July 8, 2011, representatives from EPA, MDE and the City participated in a conference call and the City answered EPA and MDE's questions regarding the white paper and the continuous simulation methodology. The City sent a follow-up letter to EPA and MDE on July 22, 2011 which further addressed EPA and MDE's questions. On August 29, 2011, EPA submitted additional comments and questions to the City and MDE. EPA and the City participated in a second conference call on August 31, 2011 during which the City responded to EPA's questions.

In a letter dated November 22, 2011, EPA requested that the City, simultaneously submit a proposed plan of improvements based on the continuous simulation approach in addition to a revised implementation plan based on a 10-year, 24 hour design storm by the end of 2011. The City submitted the requested information to EPA and MDE on December 30, 2011. The City received comments from EPA on the continuous simulation report on March 6, 2012 and responded in a letter dated March 22, 2012. EPA, MDE and the City met on March 8, 2012 to discuss on-going consent decree activities, the appropriate level of protection and modification to the compliance schedule. The EPA, MDE, and the City all agreed that starting with a baseline 5 year level of protection (LOP) to be augmented with greater protection in some areas is the right approach. It was that a series of technical workshops would be coordinated to develop the criteria to be used in selecting the appropriate LOP. The first of these technical workshops was held on March 26, 2012, with representatives of the City, EPA Region 3 and MDE with other technical workshops to follow. During the workshop, EPA and MDE had some questions on the hybrid approach. The City provided the necessary clarification in a letter dated April 13, 2012.

On May 10, 2012, via e-mail, the City received preliminary guidance from EPA Region 3 on behalf of both EPA and MDE on the proposed continuous simulation methodology to address SSOs as follows:

1. Baltimore will submit a continuous simulation study and plan for each sewershed in its collection system to EPA and MDE by December 2012. Baltimore shall evaluate and propose hydraulic and capacity related improvements necessary to achieve a 5-year and 10-year SSO Level of Protection (LOP).
2. The decision on how to comply with the CD will remain with Baltimore. Based on modeling provided to date, the Agencies will not accept anything less than a 5-year LOP. However, where the calibrated modeling shows that there are remaining overflows, Baltimore will prioritize these overflows based on volume and develop a plan that will achieve a LOP necessary to meet CD requirements. This plan may include up to a 15-year LOP in some areas. These areas prioritized by volume will be addressed prior to the post construction monitoring phase."

EPA and MDE have indicated that they would be meeting in the near future to discuss the details associated with any proposed modifications to the consent decree and that a letter would be forthcoming once those details have been agreed to. The City submitted a letter dated, June 8th, 2012, to EPA and MDE acknowledging receipt of their e-mail on May 10. Further, the City requested a meeting to discuss the schedule, clarification regarding EPA's intentions, and regular coordination moving forward. To date the City still awaits a response from EPA and MDE. By letter dated September 10, 2012, the U.S. Department of Justice provided a proposal to modify the CD, extending the compliance deadline and addressing other issues.

On October 19, 2012, the EPA sent a letter to the City that included comments on the Integrated Planning Framework (IPF) presentation conducted by the City on September 24, 2012. On December 7, 2012, the City sent a letter to the Regulators regarding among other things the Sewershed Report Revisions and Integrated Planning. The City submitted the Sewershed Study and Plan Amendment in December 28, 2012.

The City met with EPA and MDE on January 31, 2013, to further discuss the revised Sewershed Report Revisions and Integrated Planning. Based upon this meeting, the City prepared a document called Phase 1 Adaptive Management Technical Memorandum (TM) that was submitted to EPA and MDE on February 28, 2013, detailing proposed projects, costs, estimated benefits and time frames for the first phase of the adaptive management approach.

The City received comments from EPA regarding the Technical Memorandum (TM) on March 12, 2013. The City responded to the comments in a letter dated April 11, 2013.

On November 1, 2013, the City received a response from the Regulators to the June 28, 2013, City letter regarding the time line for completion of Phase 2 Consent Decree work. The Regulators recognized the ongoing efforts by the City and indicated that they have no objection to the implementation of a refined version of the IPF and a two-phased adaptive management approach to complete the structural and hydraulic rehab under the Consent Decree. The Regulators also pointed out that a court approval of an amended Consent order is required if any deadlines are to be modified. **The City responded to the November 1, 2013 correspondence in a letter dated December 16, 2013 and met with EPA, DOJ and MDE on March 27, 2014 to**

provide a progress update on the Consent Decree. The City followed up with a letter dated May 12, 2014, to the Regulators highlighting the two phased adaptive management approach and re-iterating the City's willingness and commitment to move forward with the Consent Decree modification. On May 12, 2014 the City provided a response based on questions raised by EPA and MDE during the progress meeting on March 27, 2014. An additional follow-up conversation between EPA and the City on June 4, 2014 resulted in the Phase 1 Adaptive Management Contract Summary which was submitted to EPA on June 27, 2014.

Implementation

The sewershed studies and the system-wide hydraulic model clearly demonstrate how the sewage flows generated in the County will impact the recommended improvements within the City. Unfortunately, the timing of the City's and County's Consent Decrees limits the ability to best represent the planned improvements in the County. More importantly, County flows could be significant and could render a number of the recommended hydraulic improvements ineffective in eliminating SSOs. Conversely, we understand that the County is planning to reduce wet-weather flows which could result in over-sized hydraulic improvement projects and excessive costs for our downstream facilities. Since an estimate of the reduction in wet-weather flows from the County is not available at this time, the City cannot model this benefit. Therefore, we believe that implementing hydraulic improvements in the sewersheds that are impacted by County flows would be premature, may not result in the most fiscally responsible approach for the City, and may not achieve the Consent Decree goal of eliminating SSO's.

The Final Sewershed Plans as submitted outlined how the City plans to implement all of the identified structural repairs and hydraulic improvement rehabilitation projects by January 1, 2016. However, the City believes this project scheduling ignores the inherent problem of lack of reliable Baltimore County hydraulic flow data crucial to five (5) of the City's sewersheds. The remaining three (3) sewersheds have no or minimal impacts from County flow. In addition to flow impacts from the County, the February 10, 2011, letter does not provide clear guidance for the City to evaluate all projects previously identified in the final sewershed plans. However, the City recognizes its responsibility to comply with the Clean Water Act and the Consent Decree, thus, the City is in good faith proceeding with some O&M related projects. These projects include designing other structural defect and hydraulic projects that will improve management of the collection system such as, cleaning and CIPP lining, point repairs, manhole rehabilitation, etc.

The City plans on advancing executable projects that are not impacted by the design storm selection while the City and MDE/EPA determine how best to address the misaligned Baltimore County Consent Decree data and the appropriate level of protection selection approach for Baltimore City. The City will monitor the collection system and calibrate the model, perform additional hydraulic simulations and assess the impact of County flows on the City's collection system, and determine the effectiveness of the selected construction projects and the effectiveness of projects implemented by the County. Doing so will allow the City to design and implement hydraulic improvements that more precisely comply with the intent of the Consent Decree, which is the elimination of SSOs. Appendix 2 of this Calendar Quarterly Report provides a

status update for each of the construction projects being carried out under Paragraph 9 of the Consent Decree. The City will continue to coordinate with MDE and EPA to address the aforementioned issues and will revise the sewershed planning recommendations accordingly.

G. Progress Reports: Progress of work under Paragraph 9 is as reported herein.

Paragraph 10: Illegal Sewer Connections

A. Illegal Private Connections: During the calendar quarter ending June 30, 2014, Baltimore further addressed the list of suspected illegal connections to the collection system known to the City. The City had previously initiated enforcement actions for 14 suspected illegal connections by notifying the respective property owners of the suspected illegal connections and actions to be taken, as required by Paragraph 10.A of the Consent Decree. In accordance with the City's enforcement plan, staff of Housing and Community Development (HCD) inspected these 14 properties and determined that two were not illegal connections, ten required dye/smoke testing for confirmation, and two required further evaluation. The City performed dye testing and determined that only 5 are illegal connections. Furthermore, the City has identified and confirmed 33 additional properties within the Western Run Sewershed with potential illegal storm water connections to the sanitary system.

The City has further researched the 38 illegal connections documented in the past Quarterly Reports and has determined that the results of the testing performed to date cannot differentiate between an illegal connection or a privately-owned portion of a customer service connection lateral. Dye testing performed did prove that sources of inflow are connected to the sewer; however, it was not determined whether the connections were via direct connections to the sewer pipe or via the privately owned portion of the lateral. As such, the City should not have positively identified these as illegal connections and requests approval to remove the 38 connections from the list in Appendix 3 until further investigation can be performed. In February 2010, the City completed its illegal connections investigations in the Jones Falls Sewershed, including the 38 potential connections in the Western Run Area previously provided in Appendix 3, plus an additional 25 as identified in the Jones Falls Collection System Sewershed Study and Plan, utilizing dye-testing, smoke testing along with CCTV inspections. Based upon these investigations out of the 63 previously suspected illegal connections, only two illegal connections were confirmed. These locations are, 6309 Greenspring Ave and 4424 Marble Hall Rd.

6309 Greenspring Ave: A letter was sent to the property owner on August 08, 2011, and a follow up letter was sent on January 5, 2012. The second letter was returned unclaimed. Dye testing confirmed the location is abated.

4424 Marble Hall Road: On August 11, 2008 while performing dye testing as part of their field investigations, the Herring Run Sewershed team identified an illegal sewer connection at 4424 Marble Hall Road. Once an illegal connection is identified, the approved Illegal Connection Enforcement and Implementation Plan will be adhered to.

This illegal connection has been found to be located on private property. The City has contacted its Housing Department (HCD) to send the owner a notice to eliminate this illegal connection. Additional dye-testing was carried out in March 2011 to satisfy HCD requirements and a letter was sent to HCD on May 25, 2011, for further action. A Violation Notice was issued in July 2011. A meeting was held on July 28, 2011, with Marble Hall Apartment management to discuss the progress of eliminating the illegal connection. Per the management of the apartment complex, the connection was re-routed in August 2011. Follow up testing was carried out in September which indicated that the fix did not prevent storm water from getting into the sanitary sewers. The City attempted to coordinate with the property owner to fix the problem permanently but the property owner is not responsive. This location has been referred to the Code Enforcement Legal Section of HCD (ID 28567). The violation has been corrected. A City representative visited the site and conducted visual inspection and dye test on March 11, 2013, to confirm. This location is closed.

The City plans to perform supplemental investigation as part of the Paragraph 9 Sewershed Studies. Under these studies, each of these connections and any additional connections will be investigated and a distinction will be made between the two types of connections as noted herein.

- B. Updated List of Illegal Connections:** Appendix 3 contains the updated list of known illegal connections.
- C. Illegal Connection Enforcement and Implementation Plan:** This requirement has been completed as reported in Quarterly Report No. 7.
- D.** In a letter dated May 05, 2003, MDE stated that they had reviewed the draft plan for implementation and enforcement with regard to illegal connections and found it to be acceptable. As requested by MDE, the City is considering the merits of adding a provision to the Plan that would enable the City Department of Public Works to actually do disconnections themselves and bill people for the materials and labor as a last resort if they have a situation where flows may cause a SSO and there is no cooperation from the property owner. To date, the need for this has not occurred. EPA in its letter dated January 12, 2005 has approved the Illegal Sewer Connection Detection and Enforcement Plan.
- E.** Progress of work under Paragraph 10 is as reported herein.
- F. Privately-Owned Portion of a Customer Service Connection Lateral:** During the calendar quarter ending June 30, 2014, no privately-owned portion of a customer service connection was identified as a source of I/I that causes or contributes to an overflow from the collection system. During this same quarter, no owners of such laterals were notified of the need to repair, rehabilitate, replace or terminate their laterals, and no enforcement actions in regard to such laterals were pending.

Paragraph 11: Pumping Station Inspection, Rehabilitation, and Repair

- A. Pumping Station Rehabilitation and Repair:** As reported in Quarterly report No. 8, all pumping station rehabilitation projects are complete.
- B. Pumping Station Inspection Procedures:** During the calendar quarter ending June 30, 2014, Baltimore inspected each of the eight pumping stations at least twice daily in accordance with Paragraph 11.B. All inspections were conducted in accordance with the inspection checklist attached as Appendix F to the Consent Decree, and completed inspection checklists are being maintained. All deficiencies noted during inspections were corrected within eight hours, or a work order was issued for correction. A listing of these work orders is attached as Appendix 4 to this Calendar Quarterly Report.

As reported in Quarterly Report No. 8, the project to upgrade the SCADA system for remote monitoring of pumping stations is completed. As such, the City of Baltimore recognizes that once daily pumping station inspections will satisfy the requirements of the Consent Decree in accordance with Paragraph 11.B.i.

- C. Pumping Station Remote Monitoring:** As of June 30, 2014, Baltimore continuously monitored pumping station data in accordance with Paragraph 11.C. of the Consent Decree. Alarm data was electronically archived.
- D. Pumping Station Equipment Inventory:** As of June 30, 2014, all pumps, motors, bar screens, sensors and other critical components of Baltimore's pumping stations had been assigned unique equipment identification numbers. These numbers are recorded in the maintenance information management system ("MIMS") operated by Baltimore's Wastewater Facilities Division.
- E. Pumping Station Preventative Maintenance:** The MIMS system operated by Baltimore's Wastewater Facilities Division automatically generates work orders for preventive maintenance at Baltimore's eight pumping stations, including standard operating procedures and parts lists. During the calendar quarter ending June 30, 2014, the MIMS system was used to initiate and track scheduled preventive maintenance activities at the pumping stations.

During the calendar quarter ending December 31, 2002, a procedure for determining the cause of equipment and/or system failures was submitted as required by Paragraph 11.E.ii of the Consent Decree.

- F. Pumping Station Operation and Maintenance Manuals:** As of June 30, 2014, operations and maintenance ("O&M") manuals for each of Baltimore's eight pumping stations were up to date, reflecting current station configuration, equipment, and characteristics. Operating parameter value ranges for each pumping station are available in the standard operating procedures ("SOPs") for that pumping station, which are posted at the pumping station and considered part of the O&M manual. Pump run times are kept in the log books at each pumping station.

- G. Progress Reports:** Table 11-1 Summarizes the status of Baltimore's pumping station inspection and repair program during the calendar quarter ending June 30, 2014.

Table 11-1: Pumping Station Inspection and Repair Program

Pumping Station	Date of Inspection Completion	Date of Repair Completion	Repairs or Improvements	No. of Overflows
Eastern Avenue	All Pumping Stations inspected twice per day throughout reporting period	See Appendix 4	See Appendix 4	None
Brooklyn				None
Dundalk				None
Jones Falls				None
Locust Point				None
Quad Avenue				None
McComas				None
Westport				None

Progress toward installation of the new SCADA system for remote monitoring of pumping stations is reported in item 11.C above

Paragraph 12: Collection and Transmission System Model

- A.** The hydraulic modeling task for each sewershed will be performed utilizing the previously-selected hydraulic modeling software package: InfoWorks, marketed by Innovyze.
- B. Model Elements:** The InfoWorks hydraulic modeling package is fully compliant with the requirements listed in Paragraph 12.B.i of the Consent Decree.
- C. Model Project Approach Report:** This draft Report was submitted by the February 27, 2003 milestone date (150 days from the Date of Entry of the Consent Decree).
- D.** EPA in its letter dated January 12, 2005 has approved the Model Project Approach Report. Baltimore has initiated implementation of the Model Project Approach Report. The first phase of model implementation, involving the migration of the four models developed as part of previous sewershed studies into an InfoWorks environment, is underway.
- E. Model Certification:** Baltimore completed implementation of the Model for each sewershed on or before submission of the respective Sewershed Study and Plan required under Paragraph 9, and certified the model for each sewershed at that time.
- F. Progress Report:** The City continued development and enhancement of the model during this Quarterly period.

Paragraph 13: Collection System Operation and Maintenance

- A. During the calendar quarter ending June 30, 2014, Baltimore continued to review current practices and procedures for collection system operation and maintenance, and to identify any changes that are needed for full compliance with the requirements of Paragraph 13.A. of the Consent Decree.
- B. The draft Operations and Maintenance Program Report required under Paragraph 13.B. of the Consent Decree was submitted in accordance with the milestone date of January 28, 2003 (120 days from the Date of Entry of the Consent Decree). MDE has indicated approval of this draft Report; EPA has also approved this report in its letter dated January 12, 2005.
- C. The City of Baltimore has implemented root and grease control programs after approval of chemical products that will be used as part of the cleaning for root and grease problem areas. Those pipes that are found to have root and grease problems are being treated under these programs and recorded/tracked in the GIS system.
- D. **Progress Reports:** The implementation period of the Operations and Maintenance Plan was completed in July 2006. The City submitted the Year 1 Annual Report on October 30, 2007, which covered the time period from July 2006 to July 2007. This report includes all elements as specified in this section of the Consent Decree. The Year 2 Annual Report was submitted on October 30, 2008 and it covers the time period from July 2008 to June 2009. The Year 3 Annual Report was submitted to EPA/MDE and DOJ on October 27, 2009. The City of Baltimore submitted the fourth annual progress report, on October 28, 2010. The fifth annual progress report was submitted to EPA/MDE on October 21, 2011. The sixth annual progress report was submitted on October 25, 2012. **The seventh annual progress report was submitted on October 30, 2013.**

Paragraph 14: Information Management System Program

- A. During the calendar quarter ending June 30, 2014, Baltimore continued to develop an information management system that will facilitate engineering analysis, evaluation, operation and maintenance of the collection system.
- B. **Geographic Information System:** On September 24, 2004, Baltimore demonstrated to EPA and MDE that the GIS is fully functioning and capable of displaying the information described in Paragraph 14.B.i through iv.
- C. **500 Scale Maps:** This requirement has been completed as reported in Quarterly Report No. 7.
- D. **Global Positioning System:** Water and Wastewater Maintenance crews are equipped with eight global positioning system ("GPS") units for use in collection system maintenance. A standard operating procedure (SOP) has been developed for the use of these units in locating collection system components. Maintenance crews have received appropriate training to use the GPS units.

- E. Inventory of Collection System Components:** On September 24, 2004, Baltimore demonstrated to EPA and MDE that the GIS is fully functioning and capable of displaying the information described in Paragraph 14.E for each component.
- F. Update Inventory of Collection System Components:** Within ninety (90) days of completion of inspection or rehabilitation of a collection system component as required under Paragraph 9, Baltimore will update the collection system inventory.
- G. Progress Reports:** Development of the Baltimore collection system inventory database continued throughout the calendar quarter ending June 30, 2014. Most of the information currently in the database has been taken from record documents (for example, "as-built" drawings). **This information will be verified and supplemented with field inspection data/information, and all required database fields are being populated, as part of the Sewershed Studies required under Paragraph 9 of the Consent Decree. Progress toward implementation of the GIS is reported in Item 14.B. above.**

Paragraph 15: Valve Inspection and Repair Program

- A.** All requirements of Paragraph 15 have been completed as summarized in Quarterly Report No. 7.
- B. Progress Reports:** All requirements of Paragraph 15 have been completed as noted in Appendix H of Consent Decree.

Paragraph 16: Emergency Response Plan – Un-permitted Discharges

- A. Emergency Response Plan (ERP):** Baltimore has developed and implemented an Emergency Response Plan for protection of public health and the environment in the event of an un-permitted discharge from the wastewater collection system.
- B.** This requirement has been completed as reported in Quarterly Report No. 7.
- C.** The EPA and MDE reviewed the draft Emergency Response Plan, and review comments were forwarded to Baltimore in a letter from EPA Region 3 received by Baltimore on July 23, 2002. The City of Baltimore revised the draft Emergency Response Plan accordingly by responding to the review comments within the 30-day requirement established by Paragraph 16.C. of the Consent Decree. MDE and EPA granted approval of the Plan in separate letters received by Baltimore on May 5, 2003, and May 14, 2003, respectively. As of the June 13, 2003 milestone date for implementation of the Plan (30 days from final approval), 70 copies of the Plan had been produced and distributed to appropriate staff.

- D. Yearly Review and Update:** During the Calendar Quarter ending December 31, 2007, the City submitted the Yearly Update for 2007. The 2008 update was submitted on December 26, 2008. The City of Baltimore submitted updates to the ERP for 2009 on December 28, 2009. The 2010 annual updates to the ERP were submitted to the Regulators on December 28, 2010. The 2011 annual updates to the ERP were submitted to the Regulators on December 23, 2011. The 2012 annual updates to the ERP were submitted to the Regulators on December 21, 2012. **The 2013 annual updates to the ERP were submitted to the Regulators on December 21, 2013**
- E.** No portion of the Emergency Response Plan is in dispute at this time, and Baltimore has implemented the Plan in its entirety.

Paragraph 17: Reporting of Discharge Events and Recordkeeping

- A.** During the calendar quarter ending June 30, 2014, Baltimore has complied with the reporting requirements for overflows from the wastewater collection system as established by Paragraph 17 of the Consent Decree, by NPDES Permit Numbers 21555 and 21601, by State Discharge Permit Numbers 89-DP-0581 and 93-DP-0580A, and by State and Federal regulations. Oral notifications of overflows were made to MDE within 24 hours that Baltimore first became aware of them, and written reports were forwarded within 5 days. A summary of reported overflows for the calendar quarter ending June 30, 2014 is provided in Appendix 5.
- B.** During the calendar quarter ending June 30, 2014, Baltimore maintained a monitoring, sampling, analysis and reporting program to monitor water quality in Baltimore surface water. This program is administered by the Water Quality Management Section of the Environmental Services Division in accordance with the requirements of the NPDES referenced in item 17.A. above. Monitoring results are published annually in Baltimore's Water Quality Report.
- C.** Records of all sanitary sewer overflows from Baltimore's collection system during the calendar quarter ending June 30, 2014, are being maintained in accordance with the requirements of Paragraph 17.C.
- D.** Copies of all written reports prepared pursuant to Paragraph 17 will be maintained for a minimum of 5 years, as required by Paragraph 17.D.

C. DESCRIPTION OF ANTICIPATED PROBLEMS WITH SECTION VI REQUIREMENTS

Issues and concerns related to Paragraph 8 construction projects are reported above in the Paragraph 8 section of this Calendar Quarterly Report. As of June 30, 2014, there were no other anticipated problems with Section VI requirements to report.

D. DESCRIPTION OF SEP ACTIVITIES

The study and 30% design for the Patapsco Wastewater Treatment Plant Enhanced Nutrient Removal (ENR) project was completed and submitted to Maryland Department of the Environment (MDE) and US EPA Region III (EPA) in September 2004. The MDE letter approving the 30% design for the Patapsco Wastewater Treatment Plant was on December 01, 2004. The EPA letter approving the 30% design was on received May 24, 2005.

The consultant agreement for the design of the Patapsco Wastewater Treatment Plant ENR project was approved by the City's Board of Estimates on December 21, 2005. As of the calendar quarter ending June 30, 2014, SC 845R - BAF and tertiary PS **bids were rejected and the project was re-advertised in December 2011 and bids were received on February 15, 2012. Notice to Proceed (NTP) for construction was issued on August 1, 2012 and the estimated construction completion date is February 2015.** SC 852R - Denitrification filters project was advertised on March 27, 2009 and the bids were rejected. This project was re-advertised on October 13, 2009 and the successful bidder was awarded the NTP on December 29, 2009. **This project is currently in the construction phase.**

In addition, the City has selected the consultant for engineering services for SC 855 - ENR Modifications to the Existing Facilities at the Patapsco Wastewater Treatment Plant. As of the calendar quarter ending June 30, 2014, this contract was advertised on April 30, 2010, and bids were due on September 30, 2010. The construction NTP was issued on February 22, 2011. **This project is currently in the construction phase.**

The 75% design document for the Improvements to the Headworks and Wet Weather Flow Equalization at Back River WWTP Project (SC 918) was submitted to the City on June 27, 2014 for review.

E. ADDITIONAL MATTERS FOR THE ATTENTION OF THE EPA AND MDE

As of the calendar quarter ending June 30, 2014 the City of Baltimore has updated the Sanitary Discharges of Unknown Origin (SDUO) tracking sheet to the Quarterly Report per the requirements of the policy letter by EPA and MDE dated March 31, 2009. The details of these sites are located in the SDUO tracking sheets in Appendix 5.

The City provided a response to MDE/EPA and requested additional time to research and develop possible methods of quantifying SDUOs in a letter dated April 30, 2009. The City submitted the SDUO Quantification Protocol to MDE and EPA for review, comments and approval on August 06, 2009. EPA/MDE issued a SDUO Quantification Protocol comment letter on December 21, 2009. The City of Baltimore issued a response letter to EPA/MDE on February 16, 2010. EPA/MDE approved the quantification protocol on October 12, 2010, and requested that the City apply the protocol to all resolved and outstanding SDUO sites since October 30, 2008, and to all future SDUOs. The City

submitted a final approved copy of the SDUO Quantification Protocol to MDE/EPA on November 18, 2010 and sent in the application of the SDUO Protocol on December 28, 2010.

APPENDIX 1

STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS

APPENDIX 1
STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS
As of June 30, 2014

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSO STRUCTURES ELIMINATED	STATUS
UPPER JONES FALLS SEWERSHED							
1	Western Run Interceptor (JPI Branch) Sanitary Contract Nos. 760 & 789	1. Install approximately 880 linear feet of 30-inch parallel relief sewer from JPIB49 to JPI10 (along JPI90A-JPI94) (SC760) 2. Install approximately 9,400 linear feet of 21- to 24-inch parallel relief sewer from JPI20 to JPI65 (SC789) 3. Rehabilitate approximately 3,300 linear feet of existing 18-inch sewer from JPI07 to JPI20 (SC789)	June 30, 2002	June 30, 2004	June 30, 2005	Eliminates SSO nos. 21, 22, 23, 24 and 29	Complete
2	Upper Jones Falls Interceptor (North & South of Pepsi Cola Plant) Sanitary Contract Nos. 772 & 824	1. Rehabilitation of approximately 1,800 linear feet of existing 42- to 48-inch sewer located between JP01 (Mt. Washington Flume) and JP10, and approximately 6,570 linear feet of 48- to 60-inch sewer located between JP42 and the JP70. Replacement of approximately 1,900 linear feet of 48" sewer between JP10 and JP18, and approximately 1,550 linear feet of 60" sewer between JP70 and the Jones Falls Pumping Station (SC 772). 2. Replacement of approximately 7,080 linear feet of 48-inch sewer between JP18 and JP42 (SC 824). 3. Manhole and stream bank restoration.	June 30, 2004	December 27, 2006	12/30/2008 **	Eliminates SSO Nos. 33 and 34	SC 772- Practical Completion was achieve on June 30, 2006. SC 824 - Construction Phase** Letter sent to MDE and EPA on 6-25-07 requesting an extension of the SSO elimination date to December 2008. MDE response letter approving extension was received on September 5, 2007. Eliminated SSO Nos 33 and 34 on 12/10 and 12/23/08, respectively.
3	New Jones Falls Force Main/Pressure Sewer - Lower Section and Valves improvements of existing force/pressure sewer Sanitary Contract Nos. SC779 & SC805	1. Replacement of approximately 1600 linear feet of force main/pressure sewer in Broadway from Oliver to East Chase Street connecting to High Level sewer (SC 779) 2. Improvements to gate valves, blow-off valves and air release valves for existing force main/pressure sewer (SC 805)	December 30, 2002	June 30, 2004	6/30/2005 - SEE STATUS	Contributes to elimination of SSO No. 5	SSO No. 5 cannot be eliminated until projects 4 and 5 are completed.
4	Jones Falls Pumping Station Force Main/Pressure Sewer Sanitary Contract No. 800	Upgrade existing force mains/pressure sewer to handle increased flows from rehabilitated/upgraded Jones Falls Pumping Station as well as additional flows from possible future pumping stations in Stony Run and along the JGA branch	June 30, 2005	12/29/2007**	May 2, 2008	Contributes to elimination of SSO No. 5	Construction Phase** Letter sent to MDE and EPA on 6-11-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension received September 5, 2007. Letter sent to MDE and EPA on 12/17/07 requesting additional 60 day extension for practical completion. Practical completion occurred on 1/23/08. Extension request approval granted by MDE in a letter dated April 15, 2010. Awaiting response from EPA.
5	Jones Falls Pumping Station Sanitary Contract No. 822	Upgrade existing pumping station to handle at least 50 mgd	December 30, 2005	12/29/2007**	June 30, 2008	Eliminates SSO No. 5	Construction Phase** Letter sent to MDE and EPA on 6-11-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension received September 5, 2007. Benificial Occupancy achieved 11/16/07.
6	Elimination of Collection System Overflows in Upper Jones Falls Sewershed Sanitary Contract No. 876	Assess hydraulics and design improvements to areas adjacent to overflows	Existing on-call contract	June 30, 2003	June 30, 2004	Eliminates SSO Nos. 20, 31, 32 and 36	Complete

Note: Shaded date cells indicate completion.

APPENDIX 1
STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS
As of June 30, 2014

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSO STRUCTURES ELIMINATED	STATUS
LOWER JONES FALLS SEWERSHED							
7	Lower Jones Falls Interceptor (Upper Portion of Gravity Mainline) Sanitary Contract Nos. 773 & 818	1. Install approximately 7,900 linear feet of 18- to 24-inch parallel relief sewer from JG030 (near Jones Falls Pumping Station) to JG061 (at the connection of the JGE branch) (SC818) 2. Rehabilitation of approximately 16,500 linear feet of existing sewer ranging from 12- to 50-inch (SC773) 3. Inverted siphon rehabilitation in Falls Road (manhole JG062) (SC773) 4. Stream bank restoration along Union Avenue near Meadow Mills at Woodberry	July 31, 2003	June 30, 2006	2/28/10***	Eliminates SSO No. 67	Post Construction Monitoring Phase. Monitoring period is extended at one site.
8	Stony Run Interceptor and Pumping Station (JGF Branch)** Sanitary Contract No. 819, 838, 839 & 847	1. Construct a 20 mgd capacity pumping station near Department of Public Works Solid Waste Site near the intersection of 29th Street and Sisson Street. 2. Install approximately 1,200 linear feet of 24-inch force main from new pumping station to JFPS pressure sewer [length depends on location of pumping station] 3. Parallel approximately 10,800 linear feet of existing sewer from south of Coldspring Lane (JGF48) to the new pumping station with 18 to 36-inch sewer	December 30, 2005 (SC-819 & 838) June 30, 2006 * (SC-839 & 847)	5/31/2009***	2/28/10***	Contributes to elimination of SSO No. 72; eliminates SSO No. 129	Practical completion was acheived on May 29, 2009 for the lower portion of the Stony Run Interceptor (SC - 839). Non-CD portion of the project is nearly complete. Flow monitor installed at new Stony Run Pump Station on August 26, 2009. The City submitted an extension request to EPA and MDE for SSO 67 and 72 dated February 16, 2010 requesting an extension to February 28, 2011. The City further submitted another extension letter dated February 15, 2011 requesting an extension to June 29, 2019 to allow for adequate time for the City to complete the hydraulic restriction project at the BR-WWTP, which the City believes is a major contributor to not being able to eliminate these SSOs.
9	Maryland Avenue Interceptor (JGB Branch) Sanitary Contract No. 799	1. Replace (upsized) approximately 4,400 linear feet of existing 12- to 24-inch sewer with new 21- to 36-inch sewer along branch interceptor, excluding proposed 901 N. Howard project area 2. Improvements to siphon/SSO No. 125 under I-83 (JGB18-JGB19) 3. Sewer replacement may require crossing the CLRL	December 30, 2003	July 14, 2005 *	June 30, 2006	Eliminates SSO Nos. 69 & 125	Complete
10	Greenmount Avenue Interceptor (JGA Branch)* Sanitary Contract No. 820, 833	1. Install approximately 7,325 linear feet of 36 to 42-inch parallel relief sewer from Bonaparte Avenue to the High level Interceptor on Eager Street. 2. Line approximately 6,000 linear feet of 15- to 33-inch existing sewer.	December 30, 2005	12/27/07 **	2/28/10***	Contributes to elimination of SSO No. 72	Construction Phase. SC 833-Extension letter was sent on 12-7-07 for a 90 day extension through March 29, 2008. This extension was approved and a subsequent extension for 90 days, through June 27, 2008 was submitted. Awaiting response from MDE/EPA. Practical completion acheived on May 27, 2008. Monitoring period began July 25, 2008. In a letter dated 11/08/2011, EPA approved the minor schedule modification.
11	Elimination of Siphon Blowoff (Siphon No. 6 - south of North Avenue Bridge, west of RR tracks) Sanitary Contract No. 830	1. Cleaning and inspection of siphon with repairs as necessary. 2. Elimination of blow-off.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO No. 68	Complete
* Approved by MDE\EPA. ** Approved by MDE. ***Approved by EPA							
HERRING RUN SEWERSHED							
12	Moores Run Interceptor - Middle Section Storm Water Contract Nos. 7746 and 7751	Construction of approximately 400 linear feet of 18-inch, approximately 600 linear feet of 21-inch, approximately 4900 linear feet 24-inch, approximately 1000 linear feet of 27-inch, and approximately 100 linear feet of 30-inch sewer to replace existing interceptor	June 30, 2003	July 14, and Sept 2, 2005**	June 30, 2006	Contributes to elimination of SSO Nos. 118 and 119	Complete
13	Moores Run Interceptor - Lower Section Sanitary Contract No. 801 and 843	Construction of approximately 6900 linear feet of 42-inch, approximately 2700 linear feet of 36-inch siphon, and approximately 3700 linear feet of 54-inch sewer to replace the existing interceptor	June 30, 2005	June 30, 2007	June 30, 2008	Eliminates SSO No. 93 and 94	Construction Phase - Complete
14	Moores Run Interceptor - Upper Section Sanitary Contract No. 817	Construction of approximately 1700 linear feet of 18-inch and approximately 2200 linear feet of 21-inch sewer to replace the existing interceptor	June 30, 2004	June 30, 2005	June 30, 2006	Contributes to elimination of SSO Nos. 118 and 119	Complete
15	Elimination of Collection System Overflows in Herring Run Sewershed	Assess hydraulics and design improvements to areas adjacent to overflows	Existing on-call contract	June 30, 2003	June 30, 2004	Eliminates SSO Nos. 88 and 109	Complete
16	Elimination of Siphon Blowoffs (Siphon No. 2 - Bay View Yard south of RR tracks; Siphon No. 4 - Bowleys Lane/Moravia Road) Sanitary Contract No. 830	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 92	Complete*

Note: Shaded date cells indicate completion.

APPENDIX 1
STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS
As of June 30, 2014

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSO STRUCTURES ELIMINATED	STATUS
GWYNNS FALLS SEWERSHED							
17	Powder Mill System Improvements including GFG branch in Gwynns Falls Sewershed Sanitary Contract Nos. 777 & 804	Rehabilitation of approximately 12,000 linear feet of 12- to 24-inch conveyance piping (SC777) and approximately 33,000 linear feet of 8- to 10-inch collection piping (SC804)	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 28P, 29P and 33P	Complete
18	Dead Run System Improvements DRA Branch Sanitary Contract No. 788, 825	Clean, inspect and rehabilitate of approximately 20,000 linear feet of 12- to 24-inch conveyance piping (COE) and approximately 11,000 linear feet of 8- to 12-inch collection piping (SC788).	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 16P and 17P	Complete
19	Maidens Choice Interceptor Sanitary Contract No. 826	Clean, inspect, and rehabilitate 12,400 linear feet of 12- to 24-inch conveyance piping.	On-call contract	June 30, 2007	June 30, 2008	Eliminates SSO Nos. 23P and 24P	Construction Phase - Complete
20	Elimination of Siphon Blowoffs (Siphon No. 11 - Annapolis Road and Clare Street; Siphon No. 12 - Chesholm Rd. west of Franklinton Rd.) SC No. 827	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 84 and 22P	Complete*
COMBINED SEWER AREAS							
21	Walbrook Sanitary Contract No. 780	Implementation of Long Term Control Plan and combined sewer separation design in Walbrook area		June 30, 2002	June 30, 2003	Eliminates CSO No. 21P	Complete
22	Forest Park Sanitary Contract Nos. 780 and 813	Implementation of Long Term Control Plan and combined sewer separation design in Forest Park area	December 30, 2003	June 30, 2005	June 30, 2006	Eliminates CSO No. 13P and SSO Nos. 10P, 11P, 12P, 18P, 19P, 25P, 26P, 27P and 31P. SSO Nos. 10P, 18P, 19P & 31P are eliminated.	Complete
HIGH LEVEL SEWERSHED							
23	Gwynns Run Interceptor Sanitary Contract No. 812	Improvements to the Gwynns Run Interceptor	December 30, 2004	February 25, 2007	12/27/2007**	Eliminates SSO Nos. 106,107 and 130	Complete
24	Gwynns Run System Improvements Sanitary Contract No. 807	Assess hydraulics and design improvements to areas adjacent to overflows	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 55, 56, 57, 60, 63, 103, 126, 127, 128 and 131	Complete
25	Elimination of Siphon Blowoffs (Siphon Nos. 9 and 10 - east of Dukeland Street, south of Wilkens Avenue) SC No. 827	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 79 and 81	Complete*
LOW LEVEL SEWERSHED							
26	Elimination of Siphon Blowoff (Siphon No. 8 - rear of 800 Unetta Avenue) Sanitary Contract No. 827	1. Cleaning and inspection of siphon with repairs as necessary. 2. Elimination of blow-off.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO No. 32P	Complete
* Approved by MDE\EPA. ** Approved by MDE. ***Approved by EPA							

Note: Shaded date cells indicate completion.

APPENDIX 2

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of June 30, 2014

Proj. No.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF CONSTRUCTION COMPLETION	DATE OF EVALUATION COMPLETION	STATUS
JONES FALLS SEWERSHED						
JF-3	Lower Jones Falls Sewer Cleaning	SC 876 - The work includes the Lower Jones Falls Interceptor, located in the gravity sewage collection system. Typical work includes initial SONAR assessment of the sanitary sewers to quantify sediment and debris levels, cleaning 8,400 feet of 10" to 75" sanitary sewers between Falls Rd Siphon to the High Level Interceptor, with proper disposal of removed material, and post cleaning CCTV/SONAR/Laser assessment to document the internal condition of the pipes.	5/20/2009 (A)	1/1/2012 (P)	1/1/2013 (P)	This contract was awarded to Video Pipe Services (VPS) on October 21, 2009. The Cleaning of the Lower Jones Falls and Maryland Ave. Siphon Cleaning were combined into one Project (SC 876).
JF-5	Maryland Avenue Sewer Siphon Cleaning	SC 876 - The work includes Maryland Avenue Siphon, and sewers upstream of the Maryland Avenue Siphon (18 and 24-inch sewer siphon). Typical work includes initial SONAR assessment of the sanitary sewers to quantify sediment and debris levels, cleaning of Maryland Avenue Siphon, and various sewers upstream of the Maryland Avenue Siphon, with proper disposal of removed material, and post cleaning CCTV/SONAR/Laser assessment to document the internal condition of the pipes.	5/20/2009 (A)	1/1/2013 (P)	1/1/2014 (P)	This contract was awarded to Video Pipe Services (VPS) on October 21, 2009. The Cleaning of the Lower Jones Falls and Maryland Ave. Siphon Cleaning were combined into one Project (SC 876).
JF-7	Upper Jones Falls Interceptor Reactivation	Reactivation of an inactive 42-inch diameter interceptor sewer along Jones Falls from Northern Parkway (MH S19CC_2045MH) to Cold Spring Lane (MH S19OO_1042MH). Prior to reactivation of the 42-inch sewer, an internal inspection of the sewer was necessary to find the actual condition of the line. The City utilized its technical support consultant (KCI) to carry out the inspection process. The field work was started in September 2009 and their findings were completed and a final report was delivered on June 30, 2010.	07/15/2009 (A)	08/08/2010 (A)	N/A	Per Consultant's (KCI) evaluation of the inspection and cleaning work, the line is in fairly good condition and can be re-activated without any major repair/rehabilitation work. This project is complete and the City will utilize this line in the future as deemed necessary a Construction project will not be pursued. All Future work for this pipe will be tracked independently by the City. Conditional Acceptance was on 11/17/10, and Final Acceptance was on 09/22/11.
JF-8	SC 895 - MD Ave Sewer Rehab	SC 895 - Repair and rehabilitation of sanitary sewer and manholes in the Maryland Ave sub-sewershed of the Jones Falls Sewershed.	11/04/11 (A)	05/20/13 (A)	5/8/14 (A)	Bids were opened on 12/14/11 and AM Liner was the lowest bidder. Contract was awarded to AM Liner on 03/21/2012. Pre-construction meeting was held on May 17, 2012. Construction began June 2012. Fourth construction progress meeting was held on March 20, 2013. Last construction progress meeting was held on May 08, 2013. Construction completed.
JF-9	SC 898 - Stony Run Area	Repair and rehabilitation of sanitary sewer and manholes in the Stony Run Area of the Jones Falls Sewershed.	7/27/2012 (A)	2/28/2015 (P)	2/28/2016 (P)	The project was advertised on 7/27/12. The lowest bidder is Insituform Technologies. Award date is 12/19/12 and NTP issued on 2/8/13.
JF-10	SC 899 - Western Run Area	Repair and rehabilitation of sanitary sewer and manholes in the Western Run Area of the Jones Falls Sewershed.	7/27/2012 (A)	8/22/2014 (P)	8/22/2015 (P)	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies . Award date is 12/19/12 and NTP issued on 2/8/13.
JF-11	SC 900 - Upper Jones Falls and Maryland Avenue	Repair and rehabilitation of sanitary sewer and manholes in the Upper Jones Falls and Maryland Avenue areas of the Jones Falls Sewershed.	7/27/2012 (A)	12/19/2014 (P)	12/19/2015 (P)	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies . Award date is 12/19/12 and NTP issued on 2/8/13.
JF-12	SC 897R - Greenmount, Hampden and Bolton Hill	Repair and rehabilitation of sanitary sewer and manholes in the Greenmount, Hampden, and Bolton Hill areas of the Jones Falls Sewershed.	3/22/2013 (A)	8/14/2015 (P)	8/14/2016 (P)	The contract was advertised on 3/22/13. The lowest bidder is Insituform Technologies. Award date is 6/26/13 and NTP issued on 6/27/13.
OUTFALL SEWERSHED						
OF-6	Sediment Cleaning Trunk Sewers in City of Baltimore.	SC 894 - Cleaning of Outfall Sewershed 99-inch and Outfall Interceptor (From N. Bond Street to 6300 Block of E. Lombard Street)	08/05/11 (A)	04/27/2014 (A)	4/27/2015 (P)	This contract was awarded to Metra Industries, who was the lowest bidder, on 6/8/11. NTP was issued on 8/8/11. Cleaning of the outfall stopped as of 6/25/12. Project re-started on 4/29/13 and was completed on 4/27/14.

Note: Shaded date cells indicate completion.

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of June 30, 2014

Proj. No.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF CONSTRUCTION COMPLETION	DATE OF EVALUATION COMPLETION	STATUS
OF-7	SC934 - CLEANING OF THE OUTFALL INTERCEPTOR AND RELIEF SEWERS - PHASE II	Cleaning of the relief sewer and outfall interceptor - phase II	12/13/2013 (A)	10/24/2015 (P)	10/24/2016 (P)	The contract was advertised on 12/13/13. The lowest bidder is Metra Industries. Award date is 3/12/14 and NTP issued on 4/24/14.
		HIGH LEVEL SEWERSHED				
HL-8	Liberty Heights Relief Sewer	SC 879 - Design and construction 18" Relief Sewer from intersection of Springdale Rd and N Hilton St to intersection of Wabash Ave and Liberty Heights Ave. (S09UU_007MH to S13UU_008MH). Work includes excavation and removal of existing 12 inch sewer line, installation of 2400 LF of new 18-inch sewer line and relocation of 720 LF of 20-inch water line. Evaluation phase will include continual monitoring of existing engineered SSOs 132, 134 and 135 to ensure no overflows	2/10/2012 (A)	12/15/2013 (P)	12/15/2014 (P)	The contract was advertised on 2/10/12. Bids were due by 3/21/12, but date was extended to 4/4/12. The contract was awarded on 9/26/12 to Monumental Paving and Excavating Inc. First construction progress meeting was held on 3/20/13.
HL-9	SC907 - East Baltimore Region	SC 907 - Repair and rehabilitation of sanitary sewer and manholes in the East region of the High Level Sewershed.	3/22/2013 (A)	3/22/2015 (P)	3/22/2016 (P)	The contract was advertised on 3/22/13. The lowest bidder is Inland Waters. The project was awarded on 8/14/13 and NTP was issued on 11/1/13.
HL-10	SC906 - West Baltimore Region	SC 906 - Repair and rehabilitation of sanitary sewer and manholes in the West region of the High Level Sewershed.	5/10/2013 (A)	8/7/2015 (P)	8/7/2016 (P)	The contract was advertised on 5/10/13. Lowest Bidder is SAK Construction. The contract was awarded on 11/13/13 and NTP issued on 2/5/14.
HL-11	SC932 - Improvements to Lower Gwynns Run Interceptor – Phase II From Franklin Street to Baltimore Street	SC 932 - Improvements to Lower Gwynns Run Interceptor – Phase II From Franklin Street to Baltimore Street - microtunneling project	7/26/2013 (A)	7/16/2015 (P)	7/16/2016 (P)	The contract was advertised on 7/26/13. Lowest Bidder is Bradshaw Construction. Contract was awarded on 3/12/14 and NTP issued on 5/28/14.
HL-12	SC933 - High Level Interceptor Cleaning	SC 933 - cleaning of the High Level Interceptor	7/26/2013 (A)	1/22/2015 (P)	1/22/2016 (P)	The contract was advertised on 7/26/13. Lowest Bidder is Video Pipe Services Construction. Due to an unbalanced bid, the contract will be awarded to the second lowest bidder Proven Management. Award date is 4/23/14 and NTP issue date is 7/30/14
HL-12	SC905 - North Region of High Level Sewershed	SC 905 - Repair and rehabilitation of sanitary sewer and manholes in the North region of the High Level Sewershed.	10/11/2013 (A)	4/9/2015 (P)	4/9/2015 (P)	The contract was advertised on 10/11/13. Lowest Bidder is Spiniello. Contract was awarded on 3/19/14 and NTP issued on 6/2/14.
		Herring Run Sewershed				
HR-1	SC911 - Herring Run Sewer Improvement	SC 911 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	8/16/2013 (A)	8/16/2015 (P)	8/16/2016 (P)	The contract was advertised on 8/16/13. Lowest Bidder is AM Liner East. Contract was awarded on 2/5/14 and NTP issued on 5/14/14.
HR-2	SC908 - Herring Run Sewer Improvement	SC 908 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	9/6/2013 (A)	8/27/2015 (P)	8/27/2016 (P)	The contract was advertised on 9/6/13. Lowest Bidder is Anchor Construction. Due to issues with MBE/WBE, the contract was awarded to the second lowest bidder AM Liner East. Contract was awarded on 2/5/14 and NTP issued on 5/1/14.
HR-3	SC909 - Herring Run Sewer Improvement	SC 909 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	10/11/2013 (A)	10/8/2015 (P)	10/8/2015 (P)	The contract was advertised on 10/11/13. Lowest Bidder is Inland Construction. Contract was awarded on 1/29/14 and NTP issued on 4/2/14.
		Low Level Sewershed				

Note: Shaded date cells indicate completion.

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of June 30, 2014

Proj. No.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF CONSTRUCTION COMPLETION	DATE OF EVALUATION COMPLETION	STATUS
LL-1	SC922R - Low Level Interceptor Cleaning	SC 922R - cleaning of the Low Level Interceptor	1/31/2014 (P)	7/30/2015 (P)	7/30/2016 (P)	The contract was advertised on August 16, 2013. Lowest Bidder is Video Pipe Services Construction. Due to unbalanced bids, this contract was readvertised on 2/7/14. Lowest Bidder is Video Pipe Services Construction. Award date is 7/23/14.
LL-2	SC913 - Western Region of Low Level	SC 913 - Repair and rehabilitation of sanitary sewer and manholes in the Western Region of the Low Level Sewershed.	9/20/2013 (A)	9/10/2015 (P)	9/10/2016 (P)	The contract was advertised on 9/20/13. The lowest bidder is Metra. Contract was awarded on 2/12/14 and NTP issued on 4/17/14.
LL-3	SC912 - Eastern Region High Level	SC 912 - Repair and rehabilitation of sanitary sewer and manholes in the Eastern Region of the Low Level Sewershed.	9/20/2013 (A)	9/10/2015 (P)	9/10/2016 (P)	The contract was advertised on 9/20/13. The lowest bidder is Insituform. Contract awarded on 1/15/14 and NTP issued on 3/7/14.
GF-1	SC920 - South Area Gwynns Falls	Gwynns Falls Sewershed				
		SC 920- Improvements to the Gwynns Falls Sewershed Collection System - Area A	6/6/2014 (A)	12/31/2015 (P)	12/31/2016 (P)	The contract was advertised on 6/6/14. The lowest bidder is SAK Construction.

Key: "SS - XX" = Sewershed Name - CD Project No.

Note: Shaded date cells indicate completion.

APPENDIX 3

LIST OF ILLEGAL CONNECTIONS

City of Baltimore Sanitary Sewer Overflow Consent Decree
Civil Action No. JFM-02-1524
List of Illegal Connections

Full Address	Test ID	Person/Entity Responsible	Source Type	Date Identified	Dye Result	Current Status	Comments
1. 5904 Berkeley Ave.	172 B 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
2. 6203 Bltmore Ave.	311 A 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
3. 3310 Clarks Ln.	212 B 7	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
4. 3312 Clarks Ln.	212 B 6	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
5. 3601 Clarks Ln.	256 B 1	Property Owner	Area Drain	3/21/2005	Positive	Newly Identified	Confirmed Not Illegal
6. 2238 Crest Rd.	14 A 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
7. 2302 Crest Rd.	13 A 5	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
8. 5616 Cross Country Blvd.	13 A 6	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
9. 5616 Cross Country Blvd.	99 A 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
10. 6309 Fairlane Dr.	154 B 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
11. 6309 Fairlane Dr.	154 B 1	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
12. 6908 Fieldcrest Rd.	272 B 3	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
13. 3800 Glengyle Ave.	275 B 13	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
							It was confirmed as an illegal connection in January 2011 after carrying out more dye-testing. A letter was sent to the property owner on August 08, 2011. A follow up letter dated 01/05/2012 was sent to the property owner requesting that the drain be disconnected. Corrective action has been taken. This location was tested and confirmed that the problem has been abated.
14. 6309, Greenspring Ave.	153. B 5.	Property Owner	Downspout	40347.		Illegal	
15. 2212 Ken Oak Rd.	153 B 4	Property Owner	Area Drain	3/28/2005	Positive	Newly Identified	Confirmed Not Illegal
16. 2212 Ken Oak Rd.	100 A 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
17. 2212 Ken Oak Rd.	100 A 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
18. 2416 Ken Oak Rd.	103 A 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
19. 5609 Key Ave.	50 B 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
20. 2504 Larrivale Rd.	154 B 7	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
21. 5815 Lochlea Rd.	116 B 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
22. 4424 Marble Hall Road		Property Manager	Stormwater Drain	4/13/2011		Illegal	A letter was sent to HCD on May 25, 2011, for further action. A violation Notice was issued in July 2011. A meeting was held on July 28, 2011, with Marble Hall Apartment management to discuss the progress of relocating the illegal connection. Per the management of the apartment complex, the connection was re-routed in August 2011. Follow up testing was carried out in September which indicated that the fix has not prevented storm water getting into the sanitary sewers. Further coordination is being done to permanently resolve the issue. A letter dated 11/28/11 was sent to HCD to continue enforcement. Property owner is not responsive. DPW will coordinate with HCD for enforcement. This violation has been corrected. A City representative visited the site and conducted visual inspection and dye test on March 11, 2013 to confirm. This location is closed.
23. 3 Millbrook Rd.	D 1	Property Owner/Trustee	Patio Drain	5/19/2011		Illegal	It was confirmed as an illegal connection in May 2011 after carrying out more dye-testing. A letter was sent to the property owner on August 08, 2011. A follow up letter dated 11/28/11 was sent to the property owner requesting that the temporary seal becomes permanent.
24. 5806 Park Heights Ave.	78 B 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
25. 5806 Park Heights Ave.	78 B 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
26. 5806 Park Heights Ave.	78 B 3	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
27. 5806 Park Heights Ave.	78 B 9	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
28. 5806 Park Heights Ave.	78 B 8	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
29. 5905 Park Heights Ave.	95 B 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
30. 6414 Park Heights Ave.	315 A 4	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
31. 6414 Park Heights Ave.	315 A 3	Property Owner	Area Drain	3/22/2005	Positive	Newly Identified	Confirmed Not Illegal
32. 7126 Park Heights Ave.	280 B 16	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
33. 6311 Pearce Ave.	203 B 5	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
34. 6311 Pearce Ave.	203 B 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
35. 6106 Pimlico Rd.	135 A 1	Property Owner	Driveway Drain	3/28/2005	Positive	Newly Identified	Confirmed Not Illegal
36. 6306 Pimlico Rd.	127 B 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
37. 5503 Rusk Ave.	30 B 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
38. 3208 Shelburne Rd.	334 A 1	Property Owner	Driveway Drain	3/15/2005	Positive	Newly Identified	Confirmed Not Illegal
39. 1702 South Rd.	324 A 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
40. 2117 Sulgrave Ave.	320 B 6	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
41. 2607 Taney Rd.	183 B 4	Property Owner	Driveway Drain	3/23/2005	Positive	Newly Identified	Confirmed Not Illegal
42. 2615 Taney Rd.	183 B 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
43. 2700 Taney Rd.	183 B 8	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
44. 2808 Taney Rd.	182 B 6	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
45. 2808 Taney Rd.	182 B 5	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
46. 2810 W. Strathmore Ave.	180 A 5	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
47. 3602 Chesholm Rd.		Property Owner	Downspout	5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
48. 6708 Park Heights Ave.		Property Owner	Downspout	5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
49. 4214 Groveland Ave.		Property Owner	Downspout	5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
50. 4414 Groveland Ave.		Property Owner	Downspout	5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
51. 2705 Queen Anne Ave.		Property Owner	Downspout	5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
							A letter dated 12/9/11 was sent to the property owner requesting that the drain be disconnected from the sanitary line. The illegal connection was removed by the owner.
52. 5614, Seward Ave		Property Owner	Swimming Pool	40764.	Positive	Illegal	

APPENDIX 4

PUMPING STATION WORK ORDERS

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Pumping Station Issued Mike/Keith W/D's Locations:
APR. 01, '14 - JUN. 30, '14 ---> Brooklyn Dundalk Eastern Ave
** PM only ** ---> James Falls Locust Point McComas St.
---> Quad Avenue Westport

QUERY NAME WDCOMPMSAL
LIBRARY NAME MONTHLYRUN

FILE LIBRARY MEMBER FORMAT
WSMST00 MMSB10F WSMST00 WSMSTOOR
WSMST31 MMSB10F WSMST31 WSMST31R

DATE 07/10/14
TIME 11:14:31

Issued W/D's - Pump Stations (PM only) (D)

07/10/14 11:14:31

Total Issued W/O's
APR. 01, '14 - JUN. 30, '14
PUMPING STATIONS - PM only

Mike/Keith Locations:
BRKLYN DUNDAL EASTER JF
**LOCPO MCST QUAD WSTPT **

as of 11:14:31
on 07/10/14

PAGE 1

Co No	Cost Center	Cost Loc Id	Parent WD	WD Suf	WD Sts	TYPE	WD Issue Date	WD Cmplt Date	Wrk Typ	Craft Code	Short problem Description
11	PUMPING ST BRKLYN	14.82538	14.82538		25	P	20140602		PM	INSPS	INSPECTION
		14.82539	14.82539		25	P	20140602		PM	INSPS	INSPECTION
		14.82540	14.82540		25	P	20140602		PM	INSPS	INSPECTION
		14.82541	14.82541		25	P	20140602		PM	INSPS	INSPECTION
		14.82542	14.82542		25	P	20140602		PM	INSPS	INSPECTION
		14.82543	14.82543		25	P	20140602		PM	INSPS	INSPECTION
		14.82544	14.82544		25	P	20140602		PM	INSPS	CHECK COMPONENTS
		14.82545	14.82545		25	P	20140602		PM	INSPS	INSPECTION
		14.82546	14.82546		25	P	20140602		PM	INSPS	INSPECTION
		14.82547	14.82547		25	P	20140602		PM	INSPS	INSPECTION
		14.82548	14.82548		25	P	20140602		PM	INSPS	CLEAN AND INSPECT
		14.82549	14.82549		25	P	20140602		PM	INSPS	CLEAN AND INSPECT
		14.82684	14.82684		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14.82685	14.82685		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14.82686	14.82686		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14.82687	14.82687		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14.82688	14.82688		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14.82689	14.82689		25	P	20140602		PM	PM	INSPECT, CHECK VARIOUS COMPONENTS
		14.82690	14.82690		25	P	20140602		PM	PM	INSPECT, CHECK VARIOUS COMPONENTS
		14.82691	14.82691		25	P	20140602		PM	PM	LUBRICATION AND CHECKS
		14.82692	14.82692		25	P	20140602		PM	PM	CHECK UNIT (GEAR REDUCER)
		14.82693	14.82693		25	P	20140602		PM	PM	CLEAN AND LUBRICATE UNIT
		14.82694	14.82694		25	P	20140602		PM	PM	CLEAN AND LUBRICATE UNIT
		14.82695	14.82695		25	P	20140602		PM	PM	CLEAN AND LUBRICATE UNIT
		14.82696	14.82696		25	P	20140602		PM	PM	CLEAN AND LUBRICATE UNIT
		14.82697	14.82697		25	P	20140602		PM	PM	CLEAN AND LUBRICATE UNIT
		14.82698	14.82698		25	P	20140602		PM	PM	CLEAN AND LUBRICATE
		14.82699	14.82699		25	P	20140602		PM	PM	CLEAN AND LUBRICATE
		14.82700	14.82700		25	P	20140602		PM	PM	CLEAN AND LUBRICATE
		14.82701	14.82701		25	P	20140602		PM	PM	CLEAN AND LUBRICATE
		14.82702	14.82702		25	P	20140602		PM	PM	CLEAN AND LUBRICATE
		14.82703	14.82703		25	P	20140602		PM	PM	CHECK VARIOUS UNITS
		14.82704	14.82704		25	P	20140602		PM	PM	CHECK VARIOUS UNITS
		14.82705	14.82705		25	P	20140602		PM	PM	CHECK VARIOUS UNITS
		14.82706	14.82706		25	P	20140602		PM	PM	INSPECTION
		14.82707	14.82707		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
		14.82708	14.82708		25	P	20140602		PM	PM	INSPECT NORMAL OPERATION
		14.82709	14.82709		25	P	20140602		PM	PM	INSPECT NORMAL OPERATION
		14.82710	14.82710		25	P	20140602		PM	PM	CHECK NORMAL OPERATION
		14.82747	14.82747		25	P	20140602		PM	BLDG	PAINT INSPECTION
		14.82769	14.82769		25	P	20140602		PM	MCHPS	INSPECTION
		14.82863	14.82863		25	P	20140602		PM	ELCPS	CLEAN AND INSPECT
		14.82864	14.82864		25	P	20140602		PM	ELCPS	CLEAN & INSPECT

Total W/O's for Location BRKLYN:
COUNT 43

DUNDAL 14.82521 30 P 20140602 20140625 PM INSPS INSPECT AND CALIBRATE

07/10/14	11:14:31	Total Issued	W/O's	Mike/Keith	Locations:	WDCOMPMSAL	PAGE	2			
APR. 01, '14 - JUN. 30, '14		**BRKLYN DUNDAL		EASTER JF**		as of 11:14:31					
PUMPING STATIONS -		PM only		**LOCPO MCST		QUAD WESTPT **		on 07/10/14			
Co	Cost	Parent	WD	WD	TYPE	WD	Issue	WD	Wrk	Craft	Short problem
No	Center	WD	Suf	Sts			Date		Type	Code	Description
		Id	Number								
11	PUMPING ST DUNDAL	14. 82522		30	P	20140602	20140625	PM	INSPS	INSPECTION	
		14. 82523		30	P	20140602	20140626	PM	INSPS	INSPECTION	
		14. 82524		30	P	20140602	20140625	PM	INSPS	INSPECTION	
		14. 82525		30	P	20140602	20140625	PM	BLDG	INSPECTION	
		14. 82525		30	P	20140602	20140625	PM	INSPS	INSPECTION	
		14. 82526		30	P	20140602	20140626	PM	INSPS	PURGE TRANSMITTER.	
		14. 82527		30	P	20140602	20140626	PM	INSPS	INSPECT AND CALIBRATE	
		14. 82528		30	P	20140602	20140625	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		14. 82529		30	P	20140602	20140625	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		14. 82530		30	P	20140602	20140625	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		14. 82531		30	P	20140602	20140624	PM	INSPS	INSPECTION	
		14. 82532		30	P	20140602	20140624	PM	INSPS	INSPECTION	
		14. 82533		30	P	20140602	20140625	PM	INSPS	INSPECTION	
		14. 82534		25	P	20140602		PM	INSPS	INSPECTION	
		14. 82535		30	P	20140602	20140624	PM	INSPS	INSPECT AND CLEAN	
		14. 82642		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82643		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82644		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82645		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82646		25	P	20140602		PM	PM	TEST AND LUBRICATE	
		14. 82647		25	P	20140602		PM	PM	TEST AND LUBRICATE	
		14. 82648		25	P	20140602		PM	PM	TEST AND LUBRICATE	
		14. 82649		25	P	20140602		PM	PM	TEST AND LUBRICATE	
		14. 82650		25	P	20140602		PM	PM	TEST AND LUBRICATE	
		14. 82651		25	P	20140602		PM	PM	TEST AND LUBRICATE	
		14. 82652		25	P	20140602		PM	PM	TEST AND LUBRICATE	
		14. 82653		25	P	20140602		PM	PM	TEST AND LUBRICATE	
		14. 82654		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82655		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82656		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82657		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82658		25	P	20140602		PM	PM	MONTHLY INSPECTION	
		14. 82659		25	P	20140602		PM	PM	MONTHLY INSPECTION	
		14. 82660		25	P	20140602		PM	PM	INSPECT AND LUBE	
		14. 82661		25	P	20140602		PM	PM	CLEAN AND LUBRICATE	
		14. 82662		25	P	20140602		PM	PM	CLEAN AND LUBRICATE	
		14. 82663		25	P	20140602		PM	PM	CLEAN AND LUBRICATE	
		14. 82664		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82665		25	P	20140602		PM	PM	MONTHLY INSPECTION	
		14. 82666		25	P	20140602		PM	PM	MONTHLY INSPECTION	
		14. 82667		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82668		25	P	20140602		PM	PM	INSPECTION.	
		14. 82669		25	P	20140602		PM	PM	INSPECTION.	
		14. 82670		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82671		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82672		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82673		25	P	20140602		PM	PM	INSPECT AND LUBRICATE	
		14. 82674		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE	

Co	Cost	Cost	Parent	WO	WD	TYPE	WD	Issue	WD	Wk	Craft	Short problem
No	Center	Loc	WO	Suf	Sts			Date		Typ	Code	Description
		Id	Number									
11	PUMPING ST DUNDAL	14.82674			25	P	20140602			PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
		14.82675			25	P	20140602			PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
		14.82676			25	P	20140602			PM	PM	OBSERVE OPERATION, LUBRICATION
		14.82677			25	P	20140602			PM	PM	OBSERVE OPERATION, LUBRICATION
		14.82678			25	P	20140602			PM	PM	MONTHLY INSPECTION
		14.82679			25	P	20140602			PM	PM	MONTHLY INSPECTION
		14.82759			25	P	20140602			PM	HA	CLEAN AND INSPECT
		14.82760			25	P	20140602			PM	HA	INSPECT, TEMP. DEVICE.
		14.82761			25	P	20140602			PM	HA	INSPECTION
		14.82768			25	P	20140602			PM	MCHPS	INSPECTION
		14.82832			25	P	20140623	20140623		PM	ELCPS	INSPECTION, (CONTROLS).
		14.82833			25	P	20140602	20140625		PM	ELCPS	INSPECT AND LUBRICATE
		14.82834			25	P	20140602			PM	ELCPS	REPLACE BATTERY
		14.82835			25	P	20140602			PM	ELCPS	REPLACE BATTERY
		14.82836			25	P	20140602			PM	ELCPS	REPLACE BATTERY
		14.82837			25	P	20140602			PM	ELCPS	REPLACE BATTERY
		14.82838			25	P	20140602	20140624		PM	ELCPS	INSPECT AND LUBRICATE
		14.82839			25	P	20140602	20140624		PM	ELCPS	INSPECT AND LUBRICATE
		14.82840			25	P	20140602	20140624		PM	ELCPS	INSPECT AND LUBRICATE
		14.82841			25	P	20140602	20140624		PM	ELCPS	INSPECT AND LUBRICATE
		14.82842			25	P	20140602			PM	ELCPS	CHECK OPERATION/INSPECTION
		14.82843			25	P	20140602			PM	ELCPS	TEST AND INSPECT
		14.82844			25	P	20140602			PM	ELCPS	TEST AND INSPECT
		14.82845			25	P	20140602			PM	ELCPS	TEST AND INSPECT
		14.82846			25	P	20140602	20140624		PM	ELCPS	INSPECT AND LUBRICATE
		14.82847			25	P	20140602	20140624		PM	ELCPS	INSPECT AND LUBRICATE
		14.82848			25	P	20140602	20140624		PM	ELCPS	CHECK FLOAT SWITCH & LUBE MECHANICAL.
		14.82849			25	P	20140602			PM	ELCPS	INSPECT AND LUBRICATE
		14.82850			25	P	20140602			PM	ELCPS	INSPECT AND LUBRICATE
		14.82851			25	P	20140602			PM	ELCPS	INSPECT AND LUBRICATE
		14.82852			25	P	20140602			PM	ELCPS	INSPECT AND LUBRICATE
		14.82853			25	P	20140602			PM	ELCPS	CLEAN & INSPECT MOTOR (FIELD)
		14.82854			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82854			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82855			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82855			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82856			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82856			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82857			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82857			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82858			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82858			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82859			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82860			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82860			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT

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Total Issued W/O's
APR. 01, '14 - JUN. 30, '14
PUMPING STATIONS - PM only

Mike/Kelith Locations:
BRKLYN DUNDAL EASTER JF
**LDCPO MCST GUAD WSTPT **

as of 11:14:31
on 07/10/14

WDCMPMSAL

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Co No	Cost Center	Cost Loc	Parent WD	WD Suf	WD Sts	TYPE	WD Issue Date	WD Cmplt Date	Wrk Typ	Craft Code	Short problem Description
11	PUMPING ST EASTER	14. 82490	14. 82490		25	P	20140602		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14. 82491	14. 82491		25	P	20140602		PM	INSPS	INSPECT/CLEAN/CALIBRATE
		14. 82492	14. 82492		25	P	20140602		PM	INSPS	INSPECT/CLEAN/CALIBRATE
		14. 82493	14. 82493		25	P	20140602		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14. 82494	14. 82494		25	P	20140602		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14. 82495	14. 82495		25	P	20140602		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14. 82496	14. 82496		25	P	20140602		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14. 82497	14. 82497		25	P	20140602		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14. 82498	14. 82498		25	P	20140602		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14. 82499	14. 82499		25	P	20140602		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14. 82500	14. 82500		25	P	20140602		PM	INSPS	INSPECTION
		14. 82501	14. 82501		25	P	20140602		PM	INSPS	INSPECTION
		14. 82502	14. 82502		25	P	20140602		PM	INSPS	CLEAN AND INSPECT
		14. 82573	14. 82573		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		14. 82574	14. 82574		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		14. 82574	14. 82574		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		14. 82575	14. 82575		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		14. 82576	14. 82576		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		14. 82577	14. 82577		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		14. 82578	14. 82578		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		14. 82579	14. 82579		25	P	20140602		PM	PM	INSPECT AND LUBE
		14. 82580	14. 82580		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82581	14. 82581		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82582	14. 82582		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82583	14. 82583		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82584	14. 82584		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82585	14. 82585		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82586	14. 82586		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82587	14. 82587		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82588	14. 82588		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82589	14. 82589		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82590	14. 82590		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82592	14. 82592		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82593	14. 82593		25	P	20140602		PM	PM	INSPECT AND LUBRICATE.
		14. 82594	14. 82594		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14. 82595	14. 82595		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14. 82596	14. 82596		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14. 82596	14. 82596		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14. 82597	14. 82597		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14. 82598	14. 82598		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14. 82598	14. 82598		25	P	20140602		PM	PM	CHECK VARIOUS COMPONENTS
		14. 82599	14. 82599		25	P	20140602		PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS
		14. 82600	14. 82600		25	P	20140602		PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS
		14. 82601	14. 82601		25	P	20140602		PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS
		14. 82602	14. 82602		25	P	20140602		PM	PM	LUBRICATION AND CHECKS
		14. 82603	14. 82603		25	P	20140602		PM	PM	CHECK UNIT AND CLEAN (GEAR REDUCER)
		14. 82604	14. 82604		25	P	20140602		PM	PM	CHECK UNIT AND CLEAN (GEAR REDUCER)
		14. 82605	14. 82605		25	P	20140602		PM	PM	LUBRICATION AND CHECKS

APR. 01, '14 - JUN. 30, '14
PUMPING STATIONS - PM only

BRKLYN DUNDAL EASTER JF
**LOCPO MCST QUAD WSTPT ** on 07/10/14

Co No	Cost Center	Cost Loc	Parent WD	WD Suf	WD Sts	TYPE	WD Issue Date	WD Cmpl't Date	Wrk Typ	Craft Code	Short problem Description
11	PUMPING ST EASTER		14.82606		25	P	20140602		PM	PM	CHECK GATE AND LUBRICATE
			14.82607		25	P	20140602		PM	PM	CHECK GATE AND LUBRICATE
			14.82608		25	P	20140602		PM	PM	CHECK GATE AND LUBRICATE
			14.82609		25	P	20140602		PM	PM	CHECK GATE AND LUBRICATE
			14.82610		25	P	20140602		PM	PM	CLEAN AND LUBRICATE
			14.82611		25	P	20140602		PM	PM	CLEAN AND LUBRICATE
			14.82612		25	P	20140602		PM	PM	CLEAN AND LUBRICATE
			14.82613		25	P	20140602		PM	PM	CLEAN AND LUBRICATE
			14.82614		25	P	20140602		PM	PM	CHECK VARIOUS UNITS
			14.82615		25	P	20140602		PM	PM	CHECK VARIOUS UNITS
			14.82616		25	P	20140602		PM	PM	CHECK VARIOUS UNITS
			14.82617		25	P	20140602		PM	PM	INSPECTION
			14.82618		25	P	20140602		PM	PM	INSPECTION
			14.82619		25	P	20140602		PM	PM	CHANGE OIL AND FILTER.
			14.82620		25	P	20140602		PM	PM	CHANGE OIL AND FILTER.
			14.82621		25	P	20140602		PM	PM	INSPECT AND LUBE
			14.82622		25	P	20140602		PM	PM	INSPECTION
			14.82623		25	P	20140602		PM	PM	INSPECTION
			14.82624		25	P	20140602		PM	PM	INSPECTION
			14.82625		25	P	20140602		PM	PM	INSPECT NORMAL OPERATION
			14.82626		25	P	20140602		PM	PM	INSPECT NORMAL OPERATION
			14.82627		25	P	20140602		PM	PM	INSPECT NORMAL OPERATION
			14.82628		25	P	20140602		PM	PM	INSPECT NORMAL OPERATION
			14.82629		25	P	20140602		PM	PM	INSPECT NORMAL OPERATION
			14.82630		25	P	20140602		PM	PM	INSPECT VARIOUS COMPONENTS
			14.82630		25	P	20140602		PM	PM	INSPECT VARIOUS COMPONENTS
			14.82631		25	P	20140602		PM	PM	INSPECT VARIOUS COMPONENTS
			14.82631		25	P	20140602		PM	PM	INSPECT VARIOUS COMPONENTS
			14.82632		25	P	20140602		PM	PM	INSPECT VARIOUS COMPONENTS
			14.82745		25	P	20140602		PM	BLDG	EXTERMINATE LOCKER RM LOWER LEVEL.
			14.82746		25	P	20140602		PM	BLDG	COMPUTER PAPER PICK-UP
			14.82748		25	P	20140602		PM	HA	INSPECT AND CLEAN
			14.82749		25	P	20140602		PM	HA	INSPECT AND CLEAN
			14.82750		25	P	20140602		PM	HA	CHANGE AIR FILTERS
			14.82751		25	P	20140602		PM	HA	CHANGE AIR FILTERS
			14.82752		25	P	20140602		PM	HA	CHANGE AIR FILTERS
			14.82753		25	P	20140602		PM	HA	CHANGE AIR FILTERS
			14.82754		25	P	20140602		PM	HA	CHANGE AIR FILTERS
			14.82755		25	P	20140602		PM	HA	CHANGE AIR FILTERS
			14.82756		25	P	20140602		PM	HA	CHANGE AIR FILTERS
			14.82757		25	P	20140602		PM	HA	CHANGE AIR FILTERS
			14.82758		25	P	20140602		PM	HA	CHANGE AIR FILTERS
			14.82764		25	P	20140602		PM	MCHPS	INSPECTION
			14.82767		25	P	20140602		PM	MCHPS	INSPECTION
14.82776		25	P	20140602		PM	ELCPS	CHANGE MOTOR BEARING OIL			
14.82777		25	P	20140602		PM	ELCPS	INSPECTION AND LUBRICATION OF MOTOR			
14.82778		25	P	20140602		PM	ELCPS	CHANGE MOTOR BEARING OIL			
14.82779		25	P	20140602		PM	ELCPS	INSPECT AND LUBRICATE			

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Total Issued W/O's

Mike/Keith Locations:

WOCMPMSAL

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APR. 01, '14 - JUN. 30, '14
PUMPING STATIONS - PM only

BRKLYN DUNDAL EASTER JF
**LDCPO MCST QUAD WSTPT ** on 07/10/14

Co	Cost	Cost	Parent	WD	WD	TYPE	WD	Issue	WD	Wrk	Craft	Short problem
No	Center	Loc	WD	Suf	Sts			Date		Typ	Code	Description
		Id	Number									
11	PUMPING ST EASTER	14.82780			25	P	20140602			PM	ELCPS	INSPECT AND LUBRICATE
		14.82781			25	P	20140602			PM	ELCPS	INSPECT AND LUBRICATE
		14.82782			25	P	20140602			PM	ELCPS	INSPECT AND LUBRICATE
		14.82783			25	P	20140602			PM	ELCPS	INSPECT AND LUBRICATE
		14.82784			25	P	20140602			PM	ELCPS	CLEAN
		14.82785			25	P	20140602			PM	ELCPS	CLEAN
		14.82786			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82787			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82788			25	P	20140602			PM	ELCPS	ANNUAL PANEL INSPECT.
		14.82788			25	P	20140602			PM	ELCPS	ANNUAL PANEL INSPECT.
		14.82789			25	P	20140602			PM	ELCPS	ANNUAL PANEL INSPECT.
		14.82789			25	P	20140602			PM	ELCPS	ANNUAL PANEL INSPECT.
		14.82790			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82790			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82791			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82791			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82792			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82792			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82793			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82793			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82794			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82794			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82795			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82795			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82796			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82796			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82797			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82797			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82798			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82798			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82799			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82799			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82800			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82800			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82801			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82801			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82802			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82802			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82803			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82803			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82804			25	P	20140602			PM	ELCPS	INSPECT AND CLEAN
		14.82805			25	P	20140602			PM	ELCPS	CHECK VARIOUS UNITS
		14.82806			25	P	20140602			PM	ELCPS	CHECK VARIOUS UNITS
		14.82807			25	P	20140602			PM	ELCPS	INSPECT AND LUBRICATE SCREEN RM TROLLEY
		14.82808			25	P	20140602			PM	ELCPS	CLEAN AND INSPECT

Total W/O's for Location EASTER:

COUNT 141

07/10/14	11:14:31	Total Issued		W/O's		Mike/Keith Locations:		WDCOMPMSAL		PAGE 8	
APR. 01, '14 - JUN. 30, '14		**BRKLYN DUNDAL EASTER JF**		as of 11:14:31							
PUMPING STATIONS - PM only		**LOCPO MCST QUAD WSTPT **		on 07/10/14							
Co	Cost	Parent	WD	WD	TYPE	WD	Issue	WD	Wrk	Craft	Short problem
No	Center	WD	Suf	Sts			Date		Typ	Code	Description
		Id	Number								
11	PUMPING ST LOCPO	14.82561		25	P	20140602			PM	INSPS	INSPECTION
		14.82562		25	P	20140602			PM	INSPS	INSPECTION
		14.82563		25	P	20140602			PM	INSPS	INSPECT AND CLEAN
		14.82871		25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
		14.82875		25	P	20140602			PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
		14.82876		25	P	20140602			PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
		14.82877		25	P	20140602			PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
Total W/O's for Location LOCPO:											
COUNT 10											
MCST											
		14.82736		25	P	20140602			PM	PM	INSPECT AND LUBRICATE
		14.82737		25	P	20140602			PM	PM	INSPECT AND LUBRICATE
		14.82738		25	P	20140602			PM	PM	CLEAN FILTER, INSPECTION
		14.82739		25	P	20140602			PM	PM	CLEAN FILTER, INSPECTION
		14.82740		25	P	20140602			PM	PM	INSPECTION
		14.82740		25	P	20140602			PM	PM	INSPECTION
		14.82741		25	P	20140602			PM	PM	CHECK OPERATION
		14.82742		25	P	20140602			PM	PM	CHECK OPERATION
		14.82743		25	P	20140602			PM	PM	INSPECT AND LUBRICATE
		14.82870		25	P	20140602			PM	ELCPS	CLEAN AND INSPECT
Total W/O's for Location MCST:											
COUNT 10											
QUAD											
		14.82514		30	P	20140602			PM	INSPS	CLEAN AND INSPECT
		14.82515		30	P	20140602			PM	INSPS	CLEAN/INSPECT/CALIBRATE RECORDER
		14.82516		30	P	20140602			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14.82517		25	P	20140602			PM	INSPS	INSPECT AND CALIBRATE
		14.82518		25	P	20140602			PM	INSPS	INSPECT AND CALIBRATE
		14.82519		25	P	20140602			PM	INSPS	INSPECT AND CALIBRATE
		14.82520		25	P	20140602			PM	INSPS	INSPECTION
		14.82638		25	P	20140602			PM	PM	INSPECT AND LUBRICATE
		14.82639		25	P	20140602			PM	PM	INSPECT, CLEAN FILTER, CHECK OIL
		14.82640		25	P	20140602			PM	PM	ENG. TUNE-UP, OIL CHANGESYSTEM CHECK
		14.82641		25	P	20140602			PM	PM	LUBRICATE PUMP
		14.82831		25	P	20140602			PM	ELCPS	CHECK OPERATING CONDITION, BATTERY
Total W/O's for Location QUAD:											
COUNT 12											
WSTPT											
		14.82550		30	P	20140602			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14.82551		30	P	20140602			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14.82552		30	P	20140602			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14.82553		30	P	20140602			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		14.82554		30	P	20140602			PM	INSPS	INSPECT AND CALIBRATE
		14.82555		25	P	20140602			PM	INSPS	INSPECTION

07/10/14 11:14:31

Total Issued W/O's
APR. 01,'14 - JUN. 30,'14
PUMPING STATIONS - PM only

Mike/Keith Locations:
BRKLYN DUNDAL EASTER JF as of 11:14:31
**LOCPO MCST QUAD WSTPT ** on 07/10/14

PAGE 10

Cg	Cost	Cost	Parent	WO	WD	TYPE	WD	Issue	WD	Wrk	Craft	Short
No	Center	Loc	WO	Suf	Sts			Date	Complt	Typ	Code	Problem
		Id	Number									Description

FINAL TOTALS
COUNT 379

* * * E N D O F R E P O R T * * *

Completed/Issued W/O Report

Completed/Issued WVD Report
SOURCES/TITLES & DATES: APR. 1, 2014 --> Brooklyn Dundalk Eastern Ave
Pumping Stations JUN. 30, 2014 --> Jones Falls Locust Pt. McComas St.
--> Road Avenue Westport

LOCATIONS:

QUERY NAME . . .	NOCOMPASSAL
LIBRARY NAME . .	MONTHLY REVIEW

FILE	LIBRARY	HEADER	FORMAT
WASST00	WAS810F	WASST00	WASST00R
EQMST	WAS810F	EQMST	EQMSTR
WASST31	WAS810F	WASST31	WASST31R
DOCTL	WAS814F	DOCTL	DOCTLR
ETEXTS	WAS810F	ETEXTS	TEXTSR

DATE 07/10/14
TIME 11:17:05

Compltd/Issued Rpt. -Pumping Stations only(D)

07/10/14 11:17:05										Completed/Issued H/O Report for APR. 1, '14 - JUN. 30, '14 UNCOMPRESSAL										PAGE 3									
CR's & H/O's										Locations: BRKLYN DUNDAL EASTER as of 07/10/14																			
Pumping Station										JF LDCPU NCST ROAD MSFT																			
Co.										H/O										Full Problem									
Machine Number										Machine Description										Machine Description									
11 PUMPING ST JF										25 4 req 69748 dtsmith																			
14.82442										924201 MOTOR, #1 BAR SCREEN										25 4 req 69748 dtsmith									
14.82448										924102 SCREEN, BAR #2, FRONT CLEA										30 2 C jammed } stielperc 64972									
14.82452										921006 FACILITY, JONES FALLS										30 2 room flooded } stielperc 64972									
14.82466										921000 FACILITY, JONES FALLS										25 4 stielperc 64972									
14.82470										921000 FACILITY, JONES FALLS										30 4 r-front door } stielperc 64972									
14.82470										921000 FACILITY, JONES FALLS										30 4 r-front door } stielperc 64972									
14.82472										920092 PANEL, SCADA I/O										25 4 communicating } 64972									
14.82473										920012 METER, OVERHEAD (LEVEL										25 30 REQ BY R DARTON JR									
14.82476										926301 GENERATOR, EMERGENCY SET										25 30 unit stielperc 64972									
14.82478										926301 GENERATOR, EMERGENCY SET										30 30 C no power } 64972									
14.82478										926301 GENERATOR, EMERGENCY SET										30 30 C no power } 64972									
14.82480										926301 GENERATOR, EMERGENCY SET										25 4 stielperc 64972									
14.82481										921000 FACILITY, JONES FALLS										25 30 stielperc 64972									
14.82482										920012 METER, OVERHEAD (LEVEL										25 4 REQ BY R DARTON JR									
14.82485										924201 MOTOR, #1 BAR SCREEN										30 4 rake unit stielperc 64972									
14.82486										920041 BREAKER, TIE 2.4KV/ELECT.R										30 2 BGE with load transfer stielperc 64972									
14.82493										924101 SCREEN, BAR #1, FRONT CLEA										25 4 OUT DWR TRM STIELPER 4972									
14.82919										924101 SCREEN, BAR #1, FRONT CLEA										25 4 OUT DWR TRM STIELPER 4972									
14.82921										927301 CONDENSING UNIT (ROOF ABOVE										25 30 UFD room } stielperc 64972									
Location JF:																													
COUNT 26																													
LDCPU 13.80614										985000 FACILITY, LOCUST POINT										30 4 stielperc 64972									
14.82487										985000 FACILITY, LOCUST POINT										25 4 stielperc 64972									
Location LDCPU:																													
COUNT 2																													
QUAD 14.82221										932302 OPERATOR, #2 PUMP CONE VAL										30 2 Cno PLC function } stielperc 64972									
14.82479										930029 BUBBLER SYSTEM										30 4 readings } stielperc 4972									
14.82430										932302 OPERATOR, #2 PUMP CONE VAL										25 4 correctlty } stielperc 74972									
14.82430										932302 OPERATOR, #2 PUMP CONE VAL										25 4 correctlty } stielperc 74972									
14.82435										931000 FACILITY, QUAD AVENUE										30 4 insps } stielperc 64972									
14.82436										930102 RADAR, MET WELL LEVEL										30 4 stielperc 64972									
14.82437										932100 SWITCH, MAIN										30 4 threads } stielperc 64972									
14.82438										930102 RADAR, MET WELL LEVEL										25 4 pipe in well-stielper 649072									
14.82441										935101 GENERATOR, EMERGENCY SET										30 4 stielperc 64972									
14.82459										930018 DETECTOR, MET WELL GAS										25 4 REQ BY R DARTON JR									
14.82461										931000 FACILITY, QUAD AVENUE										25 4 stielperc 64972									
14.82896										931000 FACILITY, QUAD AVENUE										30 4 stielperc 64972									
14.82916										935101 GENERATOR, EMERGENCY SET										25 30 stielperc 64972									
Location QUAD:																													
COUNT 13																													
QUAD 14.82405										923401 GENERATOR, EMERGENCY SET										30 4 stielperc 64972									

07/10/14 11:17:05

Completed/Issued H/W Report for APR 1, '14 - JUN 30, '14 MOCHPSSAL
CH's & MED's Locations: BRKLYN DUMDAL EASTER as of 07/10/14
Pumping Station JF LOCPD MUST QUAD WSTFT

PAGE 5

Co.	W/O	Machine Number	Machine Description	MO	Full Problem	Req. By	Craft Code	MO	Caplt Date	MO	Issue Date	Shtdun Class
No.	Area	Loc.	Number		Code							

FINAL TOTALS
COUNT 121

*** END OF REPORT ***

07/10/14 11:18:41

Completed/Issued W/O Report for Jan. 1, 14 - Mar. 31, '14
#Consent Orders# Mike/Keith
Co. 11 and 80 Appendix "H"
as of 07/10/14 11:18:41

PAGE 1

Co. W/O Machine Machine Number Description

Short problem Description

HD HD Craft HD HD Consent
Sts Ppty Req. Code Cnplt Issue Order
Code By Date Date

No records in query report.

*** END OF REPORT ***

APPENDIX 5

SUMMARY OF REPORTED OVERFLOWS

City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending June 30, 2014

SSO No. 67

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
3/29/2014	Flow Meter in Place	1.17
3/30/2014	Flow Meter in Place	1.71
3/31/2014	Flow Meter in Place	0.01
4/15/2014	Flow Meter in Place	1.78
4/29/2014	Flow Meter in Place	1.26
4/30/2014	Flow Meter in Place	4.52
5/1/2014	Flow Meter in Place	0.07
5/16/2014	Flow Meter in Place	1.90

SSO No. 72

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
3/29/2014	Flow Meter in Place	1.17
3/30/2014	Flow Meter in Place	1.71
3/31/2014	Flow Meter in Place	0.01
4/15/2014	Flow Meter in Place	1.78

City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending June 30, 2014

4/16/2014	Flow Meter in Place	0.01
4/29/2014	Flow Meter in Place	1.26
4/30/2014	Flow Meter in Place	4.52
5/1/2014	Flow Meter in Place	0.07
5/16/2014	Flow Meter in Place	1.90

SSO No. 132

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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Flow monitor removed due to sewer line reconstruction

SSO No. 134

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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Flow monitor removed due to sewer line reconstruction

SSO No. 135

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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Flow monitor removed due to sewer line reconstruction

SSO No. 137

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending June 30, 2014

3/30/2014	Flow Meter in Place	1.82
4/15/2014	Flow Meter in Place	2.19
4/29/2014	Flow Meter in Place	1.26
4/30/2014	Flow Meter in Place	4.03
5/1/2014	Flow Meter in Place	0.26
5/16/2014	Flow Meter in Place	1.54

SSO No. 138

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
4/30/2014	Flow Meter in Place	4.55
5/1/2014	Flow Meter in Place	0.04

SSO No. 139

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
4/30/2014	Flow Meter in Place	4.55
5/16/2014	Flow Meter in Place	2.33

City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending June 30, 2014

Pumping Station Overflows

<u>Pumping Station</u>	<u>Date</u>	<u>Volume Loss (gal)</u>	<u>Rainfall (in)</u>
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None Reported this Quarter

Waste Water Treatment Plant Overflows

<u>WWTP</u>	<u>Date</u>	<u>Volume Loss (gal)</u>	<u>Rainfall (in)</u>
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None Reported this Quarter

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2014

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
4/1/2014	Evidence of Overflow	N/A	0.01	N/A	3426 Elmley Ave	21213
4/1/2014	40	Rags, roots, debris	0.01	Jones Falls	Stoney Rd & Linkwood Rd	21210
4/1/2014	Evidence of Overflow	Roots	0.01	N/A	1720 N Longwood St	21216
4/1/2014	Evidence of Overflow	Roots, debris	0.01	N/A	1703 Bloomingdale Rd	21216
4/2/2014	120	Roots	0.00	N/A	1709 Chilton St	21218
4/2/2014	Evidence of Overflow	Rocks	0.00	N/A	2205 W Baltimore St	21223
4/3/2014	Evidence of Overflow	N/A	0.06	N/A	1824 McCulloh St	21217
4/3/2014	525	Roots, grease	0.06	Herring Run	6214 Fairdel Ave	21206
4/3/2014	Evidence of Overflow	Rags	0.06	N/A	2505 Brookfield Ave	21217
4/4/2014	Evidence of Overflow	Rags, roots, debris	0.02	N/A	2800 Rosalind Ave	21215
4/4/2014	30	Rags, grease	0.02	N/A	4105 McKendree Pl	21215
4/4/2014	Evidence of Overflow	Rags	0.02	N/A	4118 Fernhill Ave	21215
4/5/2014	Evidence of Overflow	Rags debris	0.00	N/A	4005 Edmondson Ave	21229
4/5/2014	168	Rags, roots	0.00	Jones Falls	4701 N Charles St	21210
4/5/2014	Evidence of Overflow	Rags, roots, infiltration	0.00	N/A	2617 Woodland Ave	21215
4/6/2014	252	Rags, debris	0.00	N/A	2201 Homewood Ave	21218
4/6/2014	316	Rags, debris	0.00	N/A	Greenspring Ave & Park Hill Ave	21211
4/6/2014	Evidence of Overflow	Infiltration	0.00	N/A	2904 Rueckert Ave	21214
4/6/2014	Evidence of Overflow	Grease	0.00	N/A	5012 Wetheredsville	21207
4/7/2014	Evidence of Overflow	Rags	0.38	N/A	845 E Pontiac Ave	21225
4/7/2014	Evidence of Overflow	N/A	0.38	N/A	3606 Menlo Dr	21215
4/8/2014	Evidence of Overflow	Rags, grease	0.03	N/A	9 N Wheeler Ave	21223
4/8/2014	202	Vandalism	0.03	Patapsco	3400 Reisterstown Rd	21215
4/8/2014	3,090	Rags, Grease	0.03	Patapsco	Spelman Rd & Bethune Rd	21225
4/9/2014	Evidence of Overflow	Rags, roots	0.00	N/A	2805 Steele Rd	21209
4/9/2014	Evidence of Overflow	Rags	0.00	N/A	3405 Garrison Blvd	21215



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2014

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
4/10/2014	6,865	Rags, vandalism	0.00	Jones Falls	3300 Clipper Mill Rd	21211
4/10/2014	360	Rags, roots, ground	0.00	Jones Falls	Bonnieview Dr & Western Run Dr	21209
4/11/2014	Evidence of Overflow	Roots	0.00	N/A	72 S Morley St	21229
4/12/2014	Evidence of Overflow	N/A	0.00	N/A	1815 Ruxton Ave	21216
4/12/2014	520	Pipe break, grease, debris	0.00	Patapsco	2600 Insulator Dr	21230
4/12/2014	2,750	N/A	0.00	Jones Falls	2700 Loch Raven Rd	21218
4/12/2014	495	Roots	0.00	Herring Run	3515 Rosekemp Ave	21214
4/13/2014	1,762	Rags, grease	0.00	Gwynns Falls	251 N Monroe St	21223
4/13/2014	Evidence of Overflow	Rags	0.00	N/A	301 Scott St	21230
4/13/2014	Evidence of Overflow	Rags	0.00	N/A	3044 Guilford Ave	21218
4/13/2014	Evidence of Overflow	Grease	0.00	N/A	3116 Brighton St	21216
4/13/2014	75	N/A	0.00	Back River	4814 Sunbrook Ave	21206
4/13/2014	Evidence of Overflow	N/A	0.00	N/A	411 S Wickham Rd	21229
4/14/2014	207	Rags	0.00	Jones Falls	6 Hillside Rd	21210
4/14/2014	5,110	Rags, roots, grease	0.00	Jones Falls	1905 W Rogers Ave	21209
4/15/2014	Evidence of Overflow	N/A	2.03	N/A	5302 Denmore Ave	21215
4/15/2014	Evidence of Overflow	Grease	2.03	N/A	5201 York Rd	21212
4/15/2014	4,910	Heavy rain	2.03	Baltimore Harbor	2809 Boston St	21224
4/16/2014	610	Rags, grease, infiltration	0.01	Patapsco	N Gay St & E Biddle St	21213
4/16/2014	9,130	Infiltration	0.01	Herring Run	3537 Old York Rd	21218
4/16/2014	505	Rags, grease	0.01	Gwynns Falls	4510 Bonner Rd	21216
4/16/2014	Evidence of Overflow	Infiltration/Inflow	0.01	N/A	601 E 36th St	21218
4/16/2014	Evidence of Overflow	Infiltration/Inflow, Unknown	0.01	N/A	2106 Harford Rd	21218
4/17/2014	Evidence of Overflow	Rags, grease	0	N/A	706 Monroe St	21217
4/17/2014	Evidence of Overflow	Rags	0	N/A	1327 W Fayette St	21223
4/17/2014	555	Infiltration, debris	0	Herring Run	Overland Ave & Ivy Ave	21214
4/17/2014	75	Rags, grease, sand, gravel, rocks	0	Jones Falls	1027 N Carey St	21217



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2014

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
4/17/2014	Evidence of Overflow	Roots	0.00	N/A	1424 Mount Royal Ave	21217
4/18/2014	Evidence of Overflow	N/A	0.00	N/A	519 N Streeper St	21205
4/18/2014	160	Rags, roots	0.00	N/A	2800 Rosalind	21215
4/19/2014	Evidence of Overflow	Rags, roots	0.01	N/A	411 S Wickham Rd	21229
4/19/2014	Evidence of Overflow	Rags	0.01	N/A	1532 E Biddle St	21213
4/20/2014	Evidence of Overflow	Rags, roots	0.00	N/A	4517 Schenley Rd	21210
4/21/2014	Evidence of Overflow	Rags	0.00	N/A	1009 Appleton St	21217
4/21/2014	Evidence of Overflow	Rags, roots	0.00	N/A	1809 Thornbury Rd	21209
4/21/2014	Evidence of Overflow	Roots	0.00	N/A	6647 Belair Rd	21206
4/22/2014	Evidence of Overflow	Roots	0.20	N/A	1104 Wood Heights Ave	21211
4/22/2014	Evidence of Overflow	Pipe break	0.20	N/A	3205 Stafford St	21229
4/22/2014	549	Rags	0.20	Patapsco	3330 Henry G Park Jr Cir	21215
4/23/2014	Evidence of Overflow	Rags	0.00	N/A	5006 Midwood Ave	21212
4/24/2014	Evidence of Overflow	N/A	0.00	N/A	3205 Stafford Rd	21229
4/24/2014	Evidence of Overflow	Rags	0.00	N/A	3917 Boarman Ave	21215
4/24/2014	Evidence of Overflow	Pipe break	0.00	N/A	4517 Schenley Rd	21210
4/25/2014	Evidence of Overflow	Rags, grease	0.58	N/A	1902 Boone St	21218
4/25/2014	Evidence of Overflow	Grease	0.58	N/A	3101 Pulaski Hwy	21224
4/26/2014	Evidence of Overflow	Rags, roots	0.01	N/A	1327 W Fayette St	21223
4/26/2014	Evidence of Overflow	Rags	0.01	N/A	2804 Springhill Ave	21215
4/26/2014	Evidence of Overflow	Roots, debris	0.01	N/A	5107 Herring Run Dr	21214
4/27/2014	Evidence of Overflow	Rags, debris	0.00	N/A	2106 Harford Rd	21218
4/27/2014	Evidence of Overflow	Rags, roots	0.00	N/A	5209 Midwood Ave	21212
4/28/2014	897	Rags, roots, grease	0.34	N/A	2020 Hollins Ferry Rd	21230
4/29/2014	Evidence of Overflow	Rags	1.15	N/A	4104 Penhurst Ave	21215
4/30/2014	1,110	Pipe break, heavy rain	4.09	Jones Falls	E 26th St & Charles St	21218
4/30/2014	1,250	Rags, grease	4.09	Gwynns Falls	4021 Fairview Ave	21216
4/30/2014	29,800	Heavy rain, Rocks	4.09	Baltimore Harbor	900 Rutland Ave	21205
4/30/2014	Evidence of Overflow	Heavy rain, I/I	4.09	N/A	1800 S. Clinton St	21224
4/30/2014	32,325	Heavy rain	4.09	Jones Falls	1901 Falls Road	21217



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2014

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
4/30/2014	Evidence of Overflow	Heavy rain, I/I	4.09	N/A	3004 Biddison Ln	21206
4/30/2014	Evidence of Overflow	Heavy rain, I/I	4.09	N/A	3901 Belair Rd	21206
4/30/2014	Evidence of Overflow	Heavy rain, I/I	4.09	N/A	Cross Country Blvd & Dale Rd	21209
4/30/2014	39,000	Pipe break, heavy rain	4.09	N/A	E 26th St & N. Charles St	21218
4/30/2014	Evidence of Overflow	Heavy rain, I/I	4.09	N/A	Harford Rd & Argonne Dr	21214



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2014

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
5/1/2014	Evidence of Overflow	Rags, grease	0.18	N/A	8 Mount Olivet Ln	21229
5/1/2014	364	Rags, Grease	0.18	N/A	2525 Insulator Dr	21230
5/1/2014	Evidence of Overflow	Grease	0.18	N/A	2859 W Lanvale St	21228
5/1/2014	39,975	N/A	0.18	Patapsco	3008 Wilkens Ave	21223
5/1/2014	9,130	Rags, roots, grease	0.18	N/A	6115 Ridgeview Ave	21206
5/2/2014	Evidence of Overflow	Rags, grease	0.00	N/A	1510 E 29th St	21218
5/2/2014	Evidence of Overflow	Roots	0.00	N/A	1703 Bloomingdale Rd	21216
5/2/2014	Evidence of Overflow	Roots	0.00	N/A	2909 Whitney Ave	21215
5/2/2014	Evidence of Overflow	N/A	0.00	N/A	Springlake Way & St. Dunstons Rd	21212
5/2/2014	Evidence of Overflow	Rags, heavy rain	0.00	N/A	2 W University Pkwy	21218
5/3/2014	Evidence of Overflow	Roots, grease	0.01	N/A	7118 Park Heights Ave	21215
5/5/2014	Evidence of Overflow	Pipe break	0.00	N/A	104 S Durham St	21231
5/5/2014	Evidence of Overflow	Infiltration/Inflow	0.00	N/A	1409 Battery Ave	21230
5/6/2014	Evidence of Overflow	Rags, roots	0.02	N/A	5801 Clover Rd	21215
5/7/2014	Evidence of Overflow	Roots	0.12	N/A	2346 E Fayette St	21224
5/7/2014	Evidence of Overflow	Pipe break, sand, gravel, rocks	0.12	N/A	3601 Pinkney Ave	21215
5/8/2014	Evidence of Overflow	Rags, roots	0.02	N/A	3901 Belair Rd	21206
5/9/2014	300	Rags, grease	0.00	N/A	Braddish Ave & Edmondson Ave	21223
5/10/2014	Evidence of Overflow	N/A	0.21	N/A	3747 Nortonia Rd	21216
5/11/2014	68	N/A	0.00	N/A	1512 E 29th St	21218
5/12/2014	Evidence of Overflow	N/A	0.04	N/A	2608 Maryland Ave	21218
5/12/2014	Evidence of Overflow	Roots	0.04	N/A	5502 O'Donnell St	21224
5/12/2014	Evidence of Overflow	Rags, pipe break, grease, debris	0.04	N/A	706 N Monroe St	21217
5/12/2014	Evidence of Overflow	N/A	0.04	N/A	2608 Manhattan Ave	21215
5/13/2014	Evidence of Overflow	Rags	0.00	N/A	1412 Ward St	21230
5/13/2014	Evidence of Overflow	Rags	0.00	N/A	6700 Pulaski Hwy	21205
5/14/2014	Evidence of Overflow	Rags	0.00	N/A	4511 Schenley Rd	21210
5/15/2014	Evidence of Overflow	N/A	0.02	N/A	316 N Paca St	21201
5/15/2014	Evidence of Overflow	Roots	0.02	N/A	1000 Haverhill Rd	21229
5/15/2014	Evidence of Overflow	Roots	0.02	N/A	2005 E 30th St	21218



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2014

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
5/16/2014	900	Rags, sand gravel, rocks	1.74	N/A	3700 Greenspring Ave	21215
5/17/2014	Evidence of Overflow	Roots	0.00	N/A	W Mullberry St & N Pulaski St	21223
5/18/2014	Evidence of Overflow	Rags, debris	0.00	N/A	5423 O'Donnell St	21224
5/19/2014	796	Roots	0.00	Jones Falls	1424 W Mount Royal Ave	21217
5/20/2014	Evidence of Overflow	Shift pipe	0.00	N/A	444 E Fort Ave	21230
5/20/2014	181	Rags, roots, debris	0.00	N/A	6830 Everall Ave	21206
5/22/2014	Evidence of Overflow	Grease	0.10	N/A	4 N Wheeler Ave	21223
5/22/2014	Evidence of Overflow	Infiltration/Inflow	0.10	N/A	3826 W Bay Ave	21225
5/24/2014	Evidence of Overflow	N/A	0.00	N/A	2430 Frederick Ave	21223
5/24/2014	Evidence of Overflow	Grease	0.00	N/A	5209 Midwood Ave	21212
5/24/2014	Evidence of Overflow	Roots, Infiltration/Inflow	0.00	N/A	1424 W Mount Royal Ave	21217
5/25/2014	25	Rags, debris	0.00	N/A	1806 Druid Hill Ave	21217
5/26/2014	Evidence of Overflow	Rags	0.00	N/A	1647 Northwick Rd	21218
5/26/2014	Evidence of Overflow	Roots	0.00	N/A	2904 Sylvan Ave	21214
5/30/2014	Evidence of Overflow	Roots	0.02	N/A	1015 W 37th St	21211
5/30/2014	Evidence of Overflow	Rags	0.02	N/A	505 E Patapsco Ave	21225
5/31/2014	Evidence of Overflow	Rags grease	0.00	N/A	2119 Callow Ave	21217
5/31/2014	Evidence of Overflow	Rags, roots	0.00	N/A	3409 Park Heights Ave	21215

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2014

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
6/1/2014	Evidence of Overflow	Rags, infiltration/inflow, debris	N/A	N/A	2468 Lakeview Ave	21217
6/2/2014	Evidence of Overflow	Roots	N/A	N/A	307 Rossiter Ave	21212
6/2/2014	Evidence of Overflow	Roots	N/A	N/A	501 S Hanover St	21201
6/2/2014	Evidence of Overflow	Infiltration/inflow, unknown	N/A	N/A	619 Wyeth St	21230
6/2/2014	175	Rags grease	N/A	Back River	Interstate Ave & Ramp	21226
6/3/2014	Evidence of Overflow	Infiltration/inflow, unknown	N/A	N/A	5704 Adleigh Ave	21206
6/3/2014	Evidence of Overflow	Grease	N/A	N/A	6006 Amberwood Rd	21206
6/4/2014	Evidence of Overflow	Roots	N/A	N/A	1053 N Broadway	21205
6/5/2014	Evidence of Overflow	Roots	N/A	N/A	3519 Liberty Heights Ave	21215
6/5/2014	94	Rags, debris	N/A	N/A	730 Yale Ave	21229
6/6/2014	440	Infiltration/inflow, debris	N/A	N/A	N Wolfe St & E Fayette St	21231
6/7/2014	Evidence of Overflow	N/A	N/A	N/A	2119 Callow Ave	21217
6/9/2014	190	Rags, grease, sand, gravel, rocks	N/A	Patapsco	3900 Greenspring Ave	21209
6/10/2014	Evidence of Overflow	Rags, grease	N/A	N/A	108 N Bentalou St	21223
6/11/2014	360	Rags, trash, paper	N/A	N/A	914 Wilmington Ave	21223
6/13/2014	249	Rags	N/A	Patapsco	2510 Queen Anne Rd	21216
6/13/2014	Evidence of Overflow	N/A	N/A	N/A	4207 Groveland Ave	21215
6/13/2014	Evidence of Overflow	Debris	N/A	N/A	5220 Reisterstown Rd	21215
6/14/2014	202	Sand, gravel, rocks	N/A	N/A	3700 Greenspring Ave	21215
6/14/2014	1349	Pipe break, sand, gravel, rocks	N/A	N/A	4421 Mannasota Ave	21206
6/16/2014	Evidence of Overflow	Rags, roots	N/A	N/A	107 N Rock Glen Rd	21229
6/17/2014	Evidence of Overflow	Rags	N/A	N/A	206 S Bruce St	21223
6/17/2014	Evidence of Overflow	Rags	N/A	N/A	2410 Woodbrook Ave	21217
6/18/2014	Evidence of Overflow	Roots, debris	N/A	N/A	2909 Whitney Ave	21215
6/20/2014	202	Rags, debris	N/A	N/A	3600 Greenspring Ave	21215
6/21/2014	Evidence of Overflow	Roots	N/A	N/A	2616 Talbot Rd	21215



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2014

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
6/22/2014	Evidence of Overflow	Rags	N/A	N/A	2446 Druid Hill Ave	21217
6/23/2014	600	Rags	N/A	Inner Harbor	1100 Interstate Ave	21224
6/24/2014	Evidence of Overflow	Debris	N/A	N/A	1225 N Broadway	21213
6/24/2014	132	Rags, Roots & Debris	N/A	N/A	2844 W. North Ave	21216
6/25/2014	Evidence of Overflow	Pipe Break	N/A	N/A	926 N Montford Ave	21205
6/26/2014	Evidence of Overflow	N/A	N/A	N/A	1807 Bloomingdale Rd	21216
6/26/2014	Evidence of Overflow	Grease	N/A	N/A	1810 Harman Ave	21230
6/26/2014	60	Rags, Pipe Break, Sand, Gravel, Rocks	N/A	Jones Falls	2725 Sisson St	21211
6/30/2014	211	Pipe Break & Mud	N/A	N/A	1769 E. North Ave	21213

Updated through June 30, 2014

Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge in Gallons (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
2	4/11/2007	6225 York Rd behind Walker Mews Apartment Building	21212	Herring Run	Not Resolved	On-going	2,411,595	Dye and ammonia testing and CCTV inspections performed prior to CIPP lining. CIPP lined sewer, but testing indicated no resolution. After further testing, additional CIPP Lining was recommended/installed	Recommended for lining/rehabilitation. Recommendation for fix was forwarded on 10/11/13
14	9/18/2007	JHU Campus	21218	Jones Falls	Not Resolved	On-going	3,029,953	City letter sent to JHU on 3/30/11 requiring that repairs be made. JHU completed significant repair effort. Subsequent retesting by the City determined that the repairs to date have been unsuccessful. City met with JHU maintenance on 12/5/13.	Repairs were completed in February 2014. confirmatory test is pending
20	7/5/2006	W. 24th & Morton St.	21218	Jones Falls	Not Resolved	On-going	2,979,360	It was confirmed that the private properties contributing to the problem were 2417 and 2433 Maryland Ave . A violation notice was issued by HCD/HABC and on 9/19/11, HCD reported that 2417 and 2433 Maryland Ave. have been corrected by a private plumber. Testing of 2433 confirmed that they had resolved their problem. Located additional Leaking private connection. confirmatory dye testing of 2431 Maryland Ave showed dye negative to storm drain.	Further investigation is scheduled for next quarter.
32	5/21/2009	4016-4018 Rogers Ave. - Rogers Post Apartments	21207	Gwynns Falls	Not Resolved	On-going	937,929	Series of dye and ammonia testing performed and CCTV inspections. Problem identified to be a private property issue. Coordinated with Baltimore City Housing Department to address this issue. Owner hired a plumber to clean the lines. Confirmatory testing by the City in March indicates the issues has not been resolved. Further testing confirmed continued problem. Plumber hired by Owner made repairs, but problem still active after testing in October 2013.	Property owner concluded the CIPP lining efforts. confirmatory test is pending
33	6/25/2009	Cross Country Blvd & Crest Rd.	21209	Jones Falls	Not Resolved	On-going	2,631,222	Confirmatory testing has shown that this SDUO is not resolved. Final section of pipe repaired. Flow and concentration reduced significantly, but not eliminated.	Repairs were completed. confirmatory test is pending
38	11/6/2009	3302 Esther Place (inside 54"storm drain)	21212	Inner Harbor	Not Resolved	On-going	977,472	For north side, letter to be sent to HCD/HABC. HCD issues a violation notice on 01/10/11. For south side, pipe has been plugged. SWMD checked on the plug on 12/15/10, and it continues to hold.	DHCD will provide access so dye testing can be re-done
40	5/26/2010	Cross Country & Chilham Rd (300 ft northeast of intersection in an uncharted 15" Storm Drain)	21209	Western Run	Not Resolved	On-going	60,969	Verified as SDUO site by ammonia field test and dye test completed on May 26, 2010.	More investigation is required. Need to schedule a site visit
42	6/3/2010	Cross Country & Key Ave (Storm Drain MH with sewage in bottom)	21215	Western run	Not Resolved	On-going	214,272	Verified as SDUO site by ammonia field test and dye test completed on June 3, 2010. Dye testing and CCTV inspection revealed CIPP Lining is recommended.	UES is addressing this site as part of the overall Consent Decree CIP. This section of sewer will be CIPP lined as recommended in the Jones Falls Sewershed Plan. Work will be performed under CD project.

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Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge in Gallons (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
47	8/4/2010	3412 - 3418 Glenmore Ave	21214	Moore's Run to Herring Run	Not Resolved	On-going	718,704 T	On 6/30/2011, the on-call contractor replaced two sanitary house connections on Glenmore Avenue. On 9/20/2011, test results received from SWMD indicate that the Theodore Ave drain is a target. On-call contractor installed a new MH on the uncharted pipe entering the Theodore Ave. CCTV performed in April 2012. Additional illegal house connection identified and repaired, but problem not abated.	More investigation is required
49	9/9/2010	Barre St. near Sterrett	21203	Inner Harbor	6/5/2014	1,365	35,310 A	Investigation ongoing. UES in the process of notifying HCD to process a Violation Notice.	Location abated on 6/5/2014
52	11/17/2010	39th & University Pkwy	21218	Jones Falls	Not Resolved	On-going	861,392 T	Line CCTVed in Nov. 2011, but debris and roots block pipe. Coordinated with contractor to install new MH to facilitate further CCTV. Additional cleaning performed. Recommended for lining.	Some of the work to be performed under CD project. Once completed, a confirmatory test will be performed and additional work may be needed.
55	8/10/2011	Mannasota & Parkside	21206	Herring Run	Not Resolved	On-going	39,020 T	Sewage is infiltrating the storm entering storm drain at Cylburn Ave. On 7/26/2011, on-call consultant recommended the sewer line be CIPP lined. Site lined, but follow-up testing documented ammonia.	Recommended for lining was forwarded on 10/10/13. Once work is completed, a confirmatory test will be performed
57	8/31/2011	Seabury & Hillview	21225	Patapsco	Not Resolved	On-going	533,778 T	CIPP Lining recommended and executed. Dye deployed in the main channel about 1 foot below sanitary manhole at Seabury Rd. and Hillview was negative. Dye held in the sanitary manhole channel was positive.	Repairs were completed. confirmatory test is pending
62	1/27/2012	JHU - Remsen Hall	21218	Johns Falls	Not Resolved	On-going	311,350 A	Met with representatives of Johns Hopkins University to discuss issue. JHU completed significant repair effort. Subsequent retesting by the City determined that the repairs to date have been unsuccessful. City met with JHU maintenance on 12/5/13.	Owner continues to address the problem
66	10/11/2012	McMechen & Jordan	21217	Jones Falls	Not Resolved	On-going	4,424,112 T	Dye test program and CCTV performed.	Repairs were completed. confirmatory test is pending
67	9/26/2012	McMechen & Brevard	21217	Jones Falls	Not Resolved	On-going	64,539 T	Dye testing performed.	CIPP lining and manhole rehabilitation recommendation forwarded on 11/22/2013.
68	10/11/2012	Mason & McMechen	21217	Jones Falls	Not Resolved	On-going	72 T	Dye test program and CCTV performed.	Dye testing and CCTV scheduled for next quarter to continue investigation.
69	12/4/2012	Falt & Grundy	21224	Inner Harbor	Not Resolved	On-going	33,005 T	Heavy cleaning and CCTV performed. Dye testing of 3906 Falt Ave confirmed the property is not the source.	Repairs were completed. confirmatory test is pending
70	12/5/2012	Haven & Bank	21224	Inner Harbor	Not Resolved	On-going	20,592 T	Dye testing and manned inspection confirmed private connections. Property owner notified.	Follow up with property owner to confirm repair.
71	1/29/2013	Armistead Creek	21205	Herring Run	Not Resolved	On-going	186,120 A	Visual inspection and dye test performed.	More bacteria and ammonia testing scheduled for next quarter. Any rehab work will be done under CIP contract.

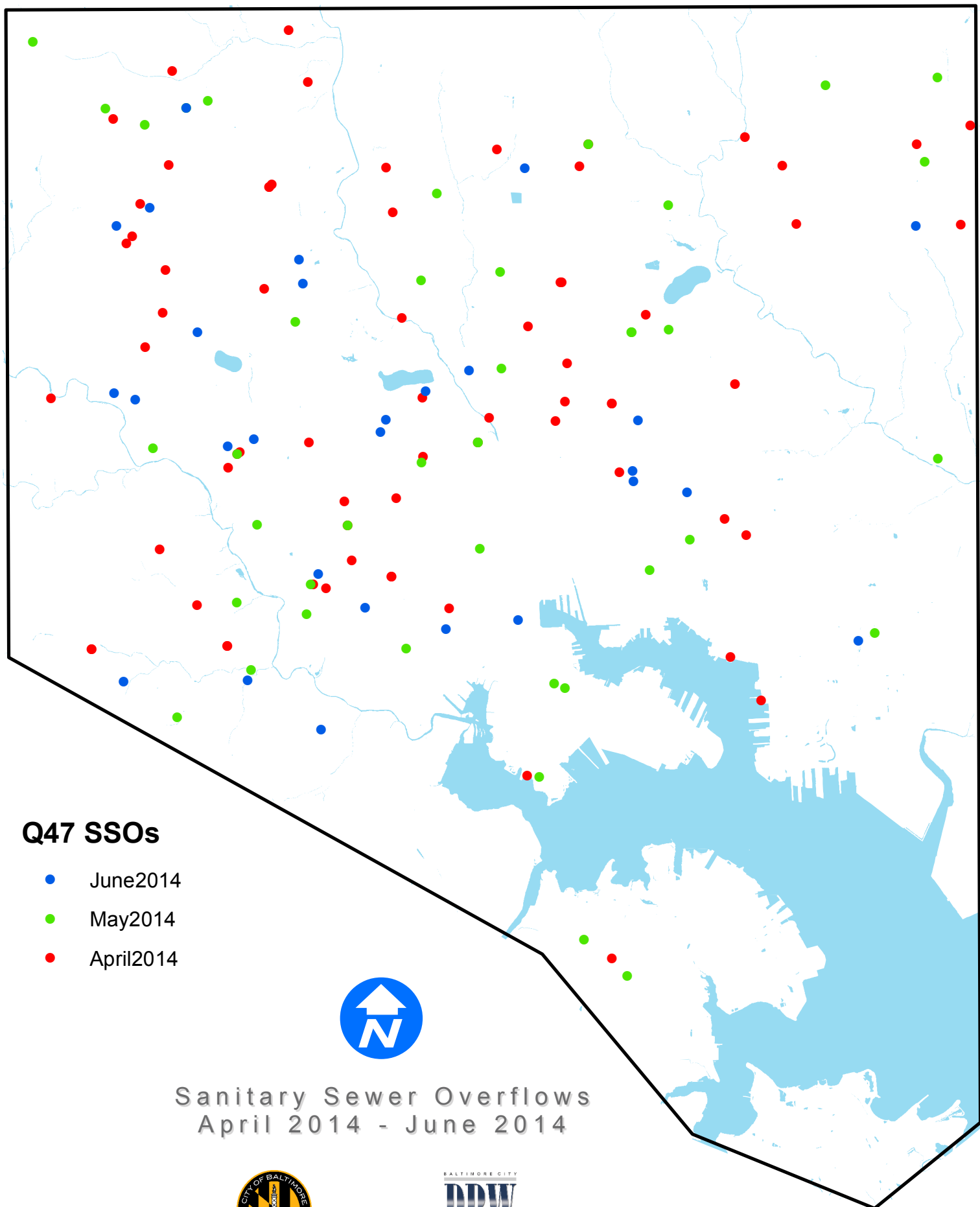
Updated through June 30, 2014

Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge in Gallons (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
73	3/1/2013	230 N. Franklintown Rd.	21223	Gwynns Falls	Not Resolved	On-going	204,670 A	Dye testing performed. Follow up to repairs, Ammonia still high.	The owner continues to address the problem
74	3/12/2013	3801 Pulaski Hwy - Hebrew Friendship Cemetery	21224	Inner Harbor	5/14/2014	428	324,767 A	Dye testing and inspection performed.	Abated on 5/14/2014
75	4/3/2013	Pulaski Hwy. & Dean St.	21224	Inner Harbor	5/14/2014	406	15,964 A	Dye testing and inspection performed.	Abated on 5/14/2014
78	7/26/2013	500 block of Bloom St.	21217	Jones Falls	Not Resolved	On-going	420,002 T	CCTV program in progress. Lining repair work was performed under Consent Decree project.	Problem not abated. Will continue investigations
79	7/31/2013	Perkins Homes, 263 Dallas Ct.	21223	Inner Harbor	Not Resolved	On-going	70,329 T	Dye test program and CCTV conducted. confirmatory test showed dye negative to storm drain.	The owner continues to address the problem
80	8/16/2013	Perkins Homes, 270-279 Dallas Ct.	21223	Inner Harbor	Not Resolved	On-going	246,240 T	Dye test program and CCTV conducted. confirmatory test showed dye negative to storm drain.	The owner continues to address the problem
81	8/29/2013	2301 Wilkens Ave.	21223	Gwynns Run	Not Resolved	On-going	4,760 A	Dye tested nearby sanitary, without positive results.	Repairs were completed. confirmatory test is pending
82	9/17/2013	Fleet & Fagley Streets	21224	Patapsco	Not Resolved	On-going	341,827 T	Dye test program and CCTV in progress.	Under Investigation
83	9/19/2013	Scottish Rite Masonic Center, 3800 N Charles Street	21218	Stony Run	Not Resolved	On-going	8,987 A	Dye test program conducted, 3800 N Charles St SHC showed positive dye to storm drain. Informed Owner of problem and requested corrective action.	The owner continues to address the problem
84	10/22/2013	Gwynns Falls Pkwy. & Holmes Ave.	21217	Gwynns Run	Not Resolved	On-going	470,554 T	Dye test program and CCTV conducted. 1620 Gwynns Falls Pkwy SHC showed positive dye to storm drain.	more investigation is required
85	11/6/2013	2200 BLK Arden Rd.	21209	Western Run	Not Resolved	On-going	44,159 A	Dye test program and CCTV conducted. Dye was positive to storm drain.	Under Investigation

SDUO Summary:
1. Total SDUO Sites Documented: 87
2. Total SDUO Sites Resolved: 59 (68% Complete)
3. Total Active SDUO Sites on Private Property: 9
4. Total SDUO Sites Unresolved: 28 (32% Open)
5. New SDUO Sites documented in the last Quarter: 0
6. Under the column entitled "Date of Resolution", if the note reads Not Resolved an end date of 06/30/2014 was used to determine the quantity of discharge up to that point.
7. All of the Estimated Quantities of Discharge listed in the above table are based on a start date of October 30, 2008 in accordance with the letter issued by EPA dated November 12, 2010. The actual start date of the sewer discharge based on testing is listed in the Date of Occurrence.
8. (T) - Flow calculated utilizing TKN concentration. (A) - Flow Calculated utilizing Ammonia concentration.
For all active sites, the City ultimately, plans on calculating flows using TKN - per guidelines of the approved protocol by EPA
9. For sites that have not yet been resolved, "Est. Quantity of Discharge (Gal)" is readjusted each quarter to reflect the elapse of time and any recent field information (flow, NH3, TKN) that may have been collected for a given site.

	SDUO Site abated
	SDUO Site on Private Property





Q47 SSOs

- June2014
- May2014
- April2014



Sanitary Sewer Overflows
April 2014 - June 2014



Updated: July 2014