

CITY OF BALTIMORE

STEPHANIE RAWLINGS-BLAKE, Mayor



DEPARTMENT OF PUBLIC WORKS

BUREAU OF WATER AND WASTEWATER
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Baltimore, Maryland 21202

July 25, 2013

VIA OVERNIGHT MAIL

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

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. 43
For Calendar Quarter Ending June 30, 2013**

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. 43, for the Calendar Quarter ending June 30, 2013.

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July 25, 2013
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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,



Rudolph S. Chow, P.E.
Bureau Head

Enclosures

RSC/ajd

cc: Mr. Alfred H. Foxx
Mr. George Nilson
Peter Keith, Esquire
Mr. Mike Gallagher
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City of Baltimore Sanitary Sewer Overflow Consent Decree

Civil Action No. JFM-02-1524

Calendar Quarterly Report No. 43
For Calendar Quarter ending June 30, 2013

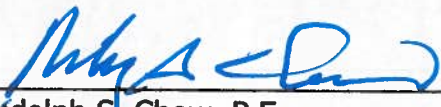
*Submitted:
July 30, 2013*

*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.



Rudolph S. Chow, P.E.
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, 2013, 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. **First Construction progress meeting was held on March 20, 2013 and the last progress meeting of this Quarter was held on June 12, 2013. The next progress meeting is scheduled for July 17, 2013. Due to construction and bypass activity at SSO #135, the flow meter was removed on 6/13/13. It will be reinstalled after 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 June 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, 2013, 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

Consent Decree Project ID No.	ADS Project ID No.	Project	No. of Meters		
			April	May	June
10	7	Greenmount Interceptor	1	1	1
		Total	3	3	3

A summary of rainfall and flow monitoring data collected during March, April and May 2013, prepared by 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, 2013, 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, 2013, 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.

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, 2013, 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, 2013, 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, 2013, 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, 2013, 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, 2013, 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, 2013, 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, 2013, 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, 2013.

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 Wallingford Software.
- 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 will complete implementation of the Model for each sewershed on or before submission of the respective Sewershed Study and Plan required under Paragraph 9, and will certify 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, 2013, 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.

Paragraph 14: Information Management System Program

- A. During the calendar quarter ending June 30, 2013, 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, 2013. 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 September 30, 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.
- 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, 2013, 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, 2013 is provided in Appendix 5.
- B. During the calendar quarter ending June 30, 2013, 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, 2013, 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, 2013, 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, 2013, 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, 2013, 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.**

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

As of the calendar quarter ending June 30, 2013 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 PARAGRAPHS OF CONSTRUCTION PROJECTS
As of June 30, 2013

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVISED	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 JPI01 (Mt. Washington Flume) and JPI10, and approximately 6,570 linear feet of 48- to 60-inch sewer located between JPI42 and the JPI70. Replacement of approximately 1,900 linear feet of 48" sewer between JPI10 and JPI18, and approximately 1,850 linear feet of 60" sewer between JPI10 and the Jones Falls Pumping Station (SC 772). 2. Replacement of approximately 7,080 linear feet of 48-inch sewer between JPI18 and JPI42 (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 achieved 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 main/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 JCA 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. Beneficial Occupancy achieved 11/18/07.
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

APPENDIX 1
STATUS OF PARAGRAPHS OF CONSTRUCTION PROJECTS
As of June 30, 2013

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 Grants Maritime) 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) (SC018) 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 (mainhole 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 20th Street and Sison 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 achieved 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 (upsize) 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 39-inch existing sewer.	December 30, 2005	12/27/07 **	2/29/10***	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 achieved 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	Moore's 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	Moore's 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	Moore's 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*

APPENDIX 1
STATUS OF PARAGRAPHS OF CONSTRUCTION PROJECTS
As of June 30, 2013

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSO STRUCTURES ELIMINATED	STATUS
GWYNN'S 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. 95, 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 Uneta 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/PA. ** Approved by MDE. ***Approved by EPA							

APPENDIX 2

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of June 30, 2013

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)	11/8/14 (P)	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. Issues related to construction remain unresolved.
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)	8/28/2016 (P)	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies. Last construction progress meeting was held on June 06, 2013. Next progress meeting will be held on July 11, 2013.
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)	2/22/2016 (P)	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies. Last construction progress meeting was held on June 06, 2013. Next progress meeting will be held on July 11, 2013.

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of June 30, 2013

Proj. No.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF CONSTRUCTION COMPLETION	DATE OF EVALUATION COMPLETION	STATUS
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)	6/19/2016 (P)	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies. Last construction progress meeting was held on June 06, 2013. Next progress meeting will be held on July 11, 2013.
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)	2/14/2017 (P)	The contract was advertised on March 22, 2013. NTP was issued on June 27, 2013. Pre-construction conference will be held on July 10, 2013.
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)	04/28/2014 (P)	4/28/2015 (P)	This contract was awarded to Metra Industries, who was the lowest bidder, on June 08, 2011. Notice-to-Proceed was issued on August 08, 2011. Cleaning of the outfall stopped as of June 25, 2012. Project will re-start on April 29, 2013. Progress meeting #11 was held on 7/25/2013.
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 during a two year event.	2/10/2012 (A)	12/15/2013 (P)	6/15/2015 (P)	The contract was advertised on February 10, 2012. Bids were due by March 21, 2012, but date was extended to April 4, 2012. The contract was awarded on September 26, 2012 to Monumental Paving and Excavating Inc. First construction progress meeting was held on March 20, 2013. Last construction progress meeting was held on June 12, 2013. Next progress meeting is scheduled for July 17, 2013.
HL-9	SC907 - East Baltimore Region	SC 907 - Repair and rehabilitation of sanitary sewer and manholes in the East Baltimore region of the High Level Sewershed.	3/22/2013 (A)	3/22/2015 (P)	9/22/2016 (P)	The contract was advertised on March 22, 2013. The lowest bidder is Inland Waters.
HL-10	SC906 - West Baltimore Region	SC 906 - Repair and rehabilitation of sanitary sewer and manholes in the West Baltimore region of the High Level Sewershed.	5/10/2013 (A)	8/7/2015 (P)	2/7/2017 (P)	The contract was advertised on May 10, 2013. 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. 2203 Baltimore 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. 5618 Cross Country Blvd.	13 A 6	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
9. 6309 Fairlane Dr.	99 A 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
10. 6309 Fairlane Dr.	154 B 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
11. 6309 Fairlane Dr.	154 B 1	Property Owner	Downspout	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
14. 6309 Greenspring Ave.	153 B 5	Property Owner	Downspout	4/3/2011		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.
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. 2416 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 Laryvale 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-located in August 2011. Follow up testing was carried out in September 2011, indicating that the fix has been permanent. No more water getting into the sanitary system. 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. 5905 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. 7126 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. 6106 Rimlico Rd.	203 B 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
35. 6106 Rimlico Rd.	135 A 1	Property Owner	Driveway Drain	3/28/2005	Positive	Newly Identified	Confirmed Not Illegal
36. 6306 Rimlico Rd.	127 B 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
37. 5503 Risk Ave.	300 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 Sudgrave Ave.	320 B 6	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
41. 2607 Tany Rd.	183 B 4	Property Owner	Driveway Drain	3/23/2005	Positive	Newly Identified	Confirmed Not Illegal
42. 2607 Tany Rd.	183 B 5	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
43. 2705 Tany Rd.	183 B 8	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
44. 2808 Tany Rd.	182 B 6	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
45. 2808 Tany 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	Positive	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
52. 5014 Seward Ave		Property Owner	Swimming Pool	4/6/2011	Positive	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.

APPENDIX 4

PUMPING STATION WORK ORDERS

APR. 01, '13 - JUN. 30, '13
PUMPING STATIONS - PM only

BRKLYN DUNDAL EASTER JF as of 09:27:10
**LOCPO MCST GUAD WSTPT ** on 07/15/13

Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wkr	Craft	Short
No	Center	Loc	WO	Suf	Sts			Date		Type	Code	Description
		Id	Number									
11	PUMPING ST BRKLYN	13.82033			30	P	20130401	20130709	PM	PM		CHECK VARIOUS COMPONENTS
		13.82034			30	P	20130401	20130412	PM	PM		CHECK VARIOUS COMPONENTS
		13.82034			30	P	20130401	20130412	PM	PM		CHECK VARIOUS COMPONENTS
		13.82035			30	P	20130401	20130709	PM	PM		CHECK VARIOUS COMPONENTS
		13.82035			30	P	20130401	20130709	PM	PM		CHECK VARIOUS COMPONENTS
		13.82036			30	P	20130401	20130712	PM	PM		INSPECTION
		13.82037			30	P	20130401	20130712	PM	PM		CHANGE OIL (GEAR REDUCER)
		13.82038			30	P	20130401	20130709	PM	PM		INSPECT AND LUBRICATE GATE
		13.82039			30	P	20130401	20130709	PM	PM		INSPECT AND LUBRICATE GATE
		13.82040			30	P	20130401	20130709	PM	PM		LUBRICATION
		13.82070			30	P	20130401	20130419	PM	BLDG		INSPECT AND REPAIR
		13.82071			25	P	20130401		PM	BLDG		PAINT INSPECTION
		13.82118			30	P	20130401	20130418	PM	INSPS		INSPECTION
		13.82119			30	P	20130401	20130423	PM	INSPS		INSPECTION
		13.82120			30	P	20130401	20130424	PM	INSPS		INSPECTION
		13.82121			30	P	20130401	20130424	PM	INSPS		INSPECTION
		13.82122			30	P	20130401	20130424	PM	INSPS		INSPECTION
		13.82123			30	P	20130401	20130426	PM	INSPS		INSPECTION
		13.82124			30	P	20130401	20130426	PM	INSPS		INSPECTION
		13.82125			30	P	20130401	20130426	PM	INSPS		INSPECTION
		13.82126			30	P	20130401	20130426	PM	INSPS		INSPECTION
		13.82127			30	P	20130401	20130425	PM	INSPS		CHECK COMPONENTS
		13.82128			25	P	20130401		PM	INSPS		INSPECTION
		13.82129			30	P	20130401	20130425	PM	INSPS		INSPECTION
		13.82130			30	P	20130401	20130425	PM	INSPS		INSPECTION
		13.82131			30	P	20130401	20130423	PM	INSPS		CLEAN AND INSPECT
		13.82132			30	P	20130401	20130424	PM	INSPS		CLEAN AND INSPECT
		13.82200			30	P	20130402	20130416	PM	ELCPS		CHECK, BATTERIES & LIGHT
		13.82200			30	P	20130402	20130416	PM	ELEC		CHECK, BATTERIES & LIGHT
		13.82201			30	P	20130402	20130416	PM	ELCPS		CHECK COMPONENTS.
		13.82202			30	P	20130402	20130416	PM	ELCPS		CHECK OPERATION/INSPECTION
		13.82203			30	P	20130402	20130416	PM	ELCPS		INSPECTION
		13.82228			30	P	20130402	20130529	PM	MCHPS		INSPECTION
		13.82229			30	P	20130402	20130529	PM	MCHPS		CLEAN VACUUM LINES
		13.82230			30	P	20130402	20130529	PM	MCHPS		CLEAN VACUUM LINES
		13.82293			30	P	20130501	20130507	PM	ELCPS		CLEAN AND INSPECT
		13.82294			30	P	20130501	20130516	PM	ELCPS		CLEAN & INSPECT
		13.82365			30	P	20130501	20130708	PM	PM		CHECK VARIOUS COMPONENTS
		13.82366			30	P	20130501	20130709	PM	PM		CHECK VARIOUS COMPONENTS
		13.82433			30	P	20130501	20130523	PM	INSPS		INSPECTION
		13.82434			30	P	20130501	20130523	PM	INSPS		INSPECTION
		13.82435			30	P	20130501	20130524	PM	INSPS		INSPECTION
		13.82436			30	P	20130501	20130524	PM	INSPS		INSPECTION
		13.82437			25	P	20130501		PM	INSPS		INSPECTION
		13.82438			30	P	20130501	20130521	PM	INSPS		INSPECTION
		13.82439			30	P	20130501	20130521	PM	INSPS		INSPECTION
		13.82509			30	P	20130603	20130620	PM	INSPS		INSPECTION
		13.82510			30	P	20130603	20130620	PM	INSPS		INSPECTION

Co No	Cost Center	Cost Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO	Issue Date	WO	Wk Type	Craft Code	Short problem Description
Number												
11	PUMPING ST	BRKLYN	13.82511		30	P	20130603	20130620	PM	INSPS	INSPS	INSPECTION
			13.82512		30	P	20130603	20130620	PM	INSPS	INSPS	INSPECTION
			13.82513		30	P	20130603	20130620	PM	INSPS	INSPS	INSPECTION
			13.82514		30	P	20130603	20130620	PM	INSPS	INSPS	INSPECTION
			13.82515		30	P	20130603	20130620	PM	INSPS	INSPS	INSPECTION
			13.82516		30	P	20130603	20130613	PM	INSPS	INSPS	INSPECTION
			13.82516		30	P	20130603	20130613	PM	PM	PM	INSPECTION
			13.82517		30	P	20130603	20130613	PM	INSPS	INSPS	INSPECTION
			13.82517		30	P	20130603	20130613	PM	PM	PM	INSPECTION
			13.82518		30	P	20130603	20130613	PM	INSPS	INSPS	CHECK COMPONENTS
			13.82518		30	P	20130603	20130613	PM	PM	PM	CHECK COMPONENTS
			13.82519		25	P	20130603		PM	INSPS	INSPS	INSPECTION
			13.82520		30	P	20130603	20130617	PM	INSPS	INSPS	INSPECTION
			13.82521		30	P	20130603	20130617	PM	INSPS	INSPS	INSPECTION
			13.82522		30	P	20130603	20130617	PM	INSPS	INSPS	CLEAN AND INSPECT
			13.82523		30	P	20130603	20130617	PM	INSPS	INSPS	CLEAN AND INSPECT
			13.82615		30	P	20130603	20130709	PM	PM	PM	CHECK VARIOUS COMPONENTS
			13.82616		30	P	20130603	20130709	PM	PM	PM	CHECK VARIOUS COMPONENTS
			13.82617		30	P	20130603	20130709	PM	PM	PM	ENG. TUNE-UP, OIL CHANGESYSTEM CHECK

Total W/O's for Location BRKLYN:
COUNT 67

DUNDAL	13.81981		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81981		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81982		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81982		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81983		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81983		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81984		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81984		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81985		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81986		30	P	20130401	20130425	PM	PM	TEST AND LUBRICATE
	13.81987		30	P	20130401	20130425	PM	PM	TEST AND LUBRICATE
	13.81988		30	P	20130401	20130425	PM	PM	TEST AND LUBRICATE
	13.81989		30	P	20130401	20130425	PM	PM	TEST AND LUBRICATE
	13.81990		30	P	20130401	20130425	PM	PM	TEST AND LUBRICATE
	13.81991		30	P	20130401	20130425	PM	PM	TEST AND LUBRICATE
	13.81992		30	P	20130401	20130425	PM	PM	TEST AND LUBRICATE
	13.81993		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81994		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81995		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81996		30	P	20130401	20130425	PM	PM	INSPECT AND LUBRICATE
	13.81997		30	P	20130401	20130425	PM	PM	MONTHLY INSPECTION
	13.81998		30	P	20130401	20130425	PM	PM	MONTHLY INSPECTION
	13.81999		30	P	20130401	20130425	PM	PM	LUBE COUPLING
	13.82000		30	P	20130401	20130413	PM	PM	INSPECT AND LUBE
	13.82001		30	P	20130401	20130423	PM	PM	OIL CHANGE

07/15/13 09:27:10

Total Issued W/O's
APR. 01,'13 - JUN. 30,'13
PUMPING STATIONS - PM only

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

WOCOMPMSAL
JF** as of 09:27:10
** on 07/15/13

PAGE 5

Co	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Crft	Short
No	Center	WO	Suf	Sts			Date		Type	Problem
		Number								Description
11	PUMPING ST DUNDAL	13.82585		30	P	20130603	20130611		PM	TEST AND LUBRICATE
		13.82586		30	P	20130603	20130611		PM	TEST AND LUBRICATE
		13.82587		30	P	20130603	20130611		PM	INSPECT AND LUBRICATE
		13.82588		30	P	20130603	20130611		PM	INSPECT AND LUBRICATE
		13.82589		30	P	20130603	20130611		PM	INSPECT AND LUBRICATE
		13.82590		30	P	20130603	20130611		PM	INSPECT AND LUBRICATE
		13.82591		30	P	20130603	20130612		PM	INSPECT AND LUBE
		13.82592		30	P	20130603	20130612		PM	CLEAN AND LUBRICATE
		13.82593		30	P	20130603	20130612		PM	CLEAN AND LUBRICATE
		13.82594		30	P	20130603	20130612		PM	CLEAN AND LUBRICATE
		13.82595		30	P	20130603	20130612		PM	INSPECT AND LUBRICATE
		13.82596		30	P	20130603	20130611		PM	MONTHLY INSPECTION
		13.82597		30	P	20130603	20130611		PM	MONTHLY INSPECTION
		13.82598		30	P	20130603	20130611		PM	INSPECT AND LUBRICATE
		13.82599		30	P	20130603	20130611		PM	INSPECTION.
		13.82600		30	P	20130603	20130611		PM	INSPECTION.
		13.82601		30	P	20130603	20130611		PM	INSPECT AND LUBRICATE
		13.82602		30	P	20130603	20130611		PM	INSPECT AND LUBRICATE
		13.82603		30	P	20130603	20130611		PM	INSPECT AND LUBRICATE
		13.82604		30	P	20130603	20130612		PM	INSPECT AND LUBRICATE
		13.82605		30	P	20130603	20130611		PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
		13.82605		30	P	20130603	20130611		PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
		13.82606		30	P	20130603	20130611		PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
		13.82607		30	P	20130603	20130612		PM	OBSERVE OPERATION, LUBRICATION
		13.82608		30	P	20130603	20130612		PM	OBSERVE OPERATION, LUBRICATION
		13.82609		30	P	20130603	20130612		PM	MONTHLY INSPECTION
		13.82610		30	P	20130603	20130612		PM	MONTHLY INSPECTION
		13.82661		30	P	20130603	20130605		PM	CHECK FLOAT SWITCH & LUBE MECHANICAL.
		13.82662		30	P	20130603	20130605		PM	CHECK FLOAT SWITCH & LUBE MECHANICAL.
		13.82663		30	P	20130603	20130605		PM	CLEAN AND INSPECT
		13.82663		30	P	20130603	20130605		PM	CLEAN AND INSPECT
		13.82664		30	P	20130603	20130605		PM	CLEAN AND INSPECT
		13.82664		30	P	20130603	20130605		PM	CLEAN AND INSPECT
		13.82665		30	P	20130603	20130610		PM	CLEAN AND INSPECT
		13.82665		30	P	20130603	20130610		PM	CLEAN AND INSPECT
		13.82666		30	P	20130603	20130606		PM	CLEAN AND INSPECT
		13.82666		30	P	20130603	20130606		PM	CLEAN AND INSPECT
		13.82667		30	P	20130603	20130606		PM	CLEAN AND INSPECT
		13.82667		30	P	20130603	20130606		PM	CLEAN AND INSPECT
		13.82668		30	P	20130603	20130606		PM	CLEAN AND INSPECT
		13.82669		30	P	20130603	20130606		PM	CLEAN AND INSPECT
		13.82669		30	P	20130603	20130606		PM	CLEAN AND INSPECT

Total W/O's for Location DUNDAL:
COUNT 163

EASTER 13.81921 30 P 20130401 20130617 PM PM INSPECT AND LUBE
13.81922 30 P 20130401 20130626 PM PM INSPECT AND LUBRICATE.

APR. 01,'13 - JUN. 30,'13 **BRKLYN DUNDAL EASTER JF** as of 09:27:10
PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 07/15/13

Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wk	Craft	Short problem
No	Center	Loc	WO	Suf	Sts			Date		Typ	Code	Description
		Id	Number									
11	PUMPING ST EASTER		13.81923		30	P	20130401	20130401	PM	PM		INSPECT AND LUBRICATE.
			13.81924		30	P	20130401	20130401	PM	PM		INSPECT AND LUBRICATE.
			13.81925		30	P	20130401	20130401	PM	PM		INSPECT AND LUBRICATE.
			13.81926		30	P	20130401	20130401	PM	PM		INSPECT AND LUBRICATE.
			13.81927		30	P	20130401	20130628	PM	PM		INSPECT AND LUBRICATE.
			13.81928		30	P	20130401	20130702	PM	PM		INSPECT AND LUBRICATE.
			13.81929		30	P	20130401	20130626	PM	PM		INSPECT AND LUBRICATE.
			13.81930		25	P	20130401		PM	PM		INSPECT AND LUBRICATE.
			13.81931		30	P	20130401	20130626	PM	PM		INSPECT AND LUBRICATE.
			13.81932		30	P	20130401	20120401	PM	PM		INSPECT AND LUBRICATE.
			13.81933		30	P	20130401	20130401	PM	PM		INSPECT AND LUBRICATE.
			13.81934		30	P	20130401	20130628	PM	PM		INSPECT AND LUBRICATE.
			13.81935		30	P	20130401	20130401	PM	PM		INSPECT AND LUBRICATE.
			13.81936		30	P	20130401	20130617	PM	PM		INSPECT AND LUBRICATE.
			13.81937		30	P	20130401	20130617	PM	PM		OIL CHANGE
			13.81938		30	P	20130401	20130617	PM	PM		OIL CHANGE
			13.81938		30	P	20130401	20130617	PM	PM		OIL CHANGE
			13.81939		30	P	20130401	20130617	PM	PM		OIL CHANGE
			13.81940		30	P	20130401	20130612	PM	PM		CHANGE OIL
			13.81941		30	P	20130401	20130617	PM	PM		CHANGE OIL
			13.81942		30	P	20130401	20130617	PM	PM		CLEAN AND LUBRICATE
			13.81943		30	P	20130401	20130617	PM	PM		CHANGE OIL AND FILTER.
			13.81944		30	P	20130401	20130618	PM	PM		CHANGE OIL AND FILTER.
			13.81945		30	P	20130401	20130702	PM	PM		CHANGE OIL AND FILTER.
			13.81946		30	P	20130401	19830610	PM	PM		INSPECT NORMAL OPERATION
			13.81947		30	P	20130401	20030618	PM	PM		LUBRICATE
			13.81948		30	P	20130401	20130618	PM	PM		LUBRICATE
			13.81949		30	P	20130401	20130618	PM	PM		CHECK OPERATION AND LUBRICATE
			13.82067		25	P	20130401		PM	BLDG		EXTERMINATE LOCKER RM. LOWER LEVEL.
			13.82068		25	P	20130401		PM	BLDG		COMPUTER PAPER PICK-UP
			13.82073		30	P	20130401	20130430	PM	INSPS		CLEAN/INSPECT/CALIBRATE
			13.82074		30	P	20130401	20130430	PM	INSPS		INSPECT/CLEAN/CALIBRT
			13.82075		25	P	20130401		PM	INSPS		CLEAN/INSPECT/CALIBRATE
			13.82076		30	P	20130401	20130503	PM	INSPS		CLEAN/INSPECT/CALIBRATE
			13.82077		30	P	20130401	20130502	PM	INSPS		CLEAN/INSPECT/CALIBRATE
			13.82078		30	P	20130401	20130503	PM	INSPS		CLEAN/INSPECT/CALIBRATE
			13.82079		30	P	20130401	20130502	PM	INSPS		INSPECT PRESSURE DEVICES
			13.82080		30	P	20130401	20130502	PM	INSPS		INSPECTION
			13.82145		25	P	20130401		PM	HA		INSPECTION
			13.82148		25	P	20130402		PM	ELCPS		INSPECT & CLEAN UNIT
			13.82149		30	P	20130402	20130604	PM	ELCPS		CLEAN AND INSPECT
			13.82150		30	P	20130402	20130604	PM	ELCPS		CHANGE MOTOR BEARING OIL
			13.82151		30	P	20130402	20130612	PM	ELCPS		INSPECTION AND LUBRICATION OF MOTOR
			13.82152		30	P	20130402	20130502	PM	ELCPS		CHANGE MOTOR BEARING OIL
			13.82153		30	P	20130402	20130426	PM	ELCPS		INSPECT AND LUBRICATE
			13.82154		30	P	20130402	20130426	PM	ELCPS		INSPECT AND LUBRICATE
			13.82155		30	P	20130402	20130426	PM	ELCPS		INSPECT AND LUBRICATE
			13.82156		30	P	20130402	20130426	PM	ELCPS		INSPECT AND LUBRICATE

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Total Issued W/O's
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Mike/Kelth Locations:
BRKLYN DUNDAL EASTER JF as of 09:27:10
**LOCPO MCST QUAD WSTPT ** on 07/15/13

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Co No	Cost Center	Cost Loc Id	Parent WO Number	WO Suf	WO Sts	TYPE	WO Issue Date	WO Cmpl Date	Wrk Typ	Craft Code	Short problem Description
11	PUMPING ST EASTER		13.82157		30	P	20130402	20130426	PM	ELCPs	INSPECT AND LUBRICATE
			13.82158		30	P	20130402	20130426	PM	ELCPs	INSPECT AND LUBRICATE
			13.82159		30	P	20130402	20130426	PM	ELCPs	INSPECT AND LUBRICATE
			13.82160		25	P	20130402	20130502	PM	ELCPs	INSPECT AND LUBRICATE
			13.82161		30	P	20130402	20130502	PM	ELCPs	INSPECT AND LUBRICATE
			13.82162		30	P	20130402	20130502	PM	ELCPs	INSPECT AND LUBRICATE
			13.82163		30	P	20130402	20130530	PM	ELCPs	INSPECT AND LUBRICATE
			13.82164		30	P	20130402	20130522	PM	ELCPs	INSPECT AND LUBRICATE
			13.82165		30	P	20130402	20130522	PM	ELCPs	CLEAN
			13.82166		30	P	20130402	20130522	PM	ELCPs	CLEAN
			13.82167		30	P	20130402	20130522	PM	ELCPs	CLEAN AND INSPECT
			13.82168		30	P	20130402	20130530	PM	ELCPs	CLEAN AND INSPECT
			13.82169		30	P	20130402	20130628	PM	ELCPs	INSPECT AND CLEAN
			13.82226		30	P	20130402	20130419	PM	MCHPS	CLEAN AND INSPECT
			13.82265		30	P	20130501	20130530	PM	ELCPs	INSPECTION
			13.82265		30	P	20130501	20130530	PM	ELCPs	ANNUAL PANEL INSPECT.
			13.82266		30	P	20130501	20130603	PM	ELCPs	ANNUAL PANEL INSPECT.
			13.82266		30	P	20130501	20130603	PM	ELCPs	CLEAN AND INSPECT
			13.82267		30	P	20130501	20130603	PM	ELCPs	CLEAN AND INSPECT
			13.82267		30	P	20130501	20130603	PM	ELCPs	CLEAN AND INSPECT
			13.82267		30	P	20130501	20130603	PM	ELCPs	CLEAN AND INSPECT
			13.82268		30	P	20130501	20130603	PM	ELCPs	CLEAN AND INSPECT
			13.82268		30	P	20130501	20130603	PM	ELCPs	CLEAN AND INSPECT
			13.82269		30	P	20130501	20130603	PM	ELCPs	CLEAN AND INSPECT
			13.82269		30	P	20130501	20130603	PM	ELCPs	CLEAN AND INSPECT
			13.82269		30	P	20130501	20130603	PM	ELCPs	CLEAN AND INSPECT
			13.82269		30	P	20130501	20130603	PM	ELCPs	CLEAN AND INSPECT
			13.82270		30	P	20130501	20130529	PM	ELCPs	CLEAN AND INSPECT
			13.82270		30	P	20130501	20130529	PM	ELCPs	CLEAN AND INSPECT
			13.82270		30	P	20130501	20130529	PM	ELCPs	CLEAN AND INSPECT
			13.82271		30	P	20130501	20130529	PM	ELCPs	CLEAN AND INSPECT
			13.82271		30	P	20130501	20130529	PM	ELCPs	CLEAN AND INSPECT
			13.82271		30	P	20130501	20130529	PM	ELCPs	CLEAN AND INSPECT
			13.82272		30	P	20130501	20130527	PM	ELCPs	CLEAN AND INSPECT
			13.82272		30	P	20130501	20130527	PM	ELCPs	CLEAN AND INSPECT
			13.82273		30	P	20130501	20130529	PM	ELCPs	CLEAN AND INSPECT
			13.82273		30	P	20130501	20130529	PM	ELCPs	CLEAN AND INSPECT
			13.82273		30	P	20130501	20130529	PM	ELCPs	CLEAN AND INSPECT
			13.82303		25	P	20130501		PM	BLDG	EXTERMINATE LOCKER RM. LOWER LEVEL.
			13.82304		30	P	20130501	20130506	PM	BLDG	INSPECT/REPAIR/PLUMBING-ETC.
			13.82305		25	P	20130501		PM	BLDG	COMPUTER PAPER PICK-UP
			13.82310		30	P	20130501	20130613	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
			13.82311		30	P	20130501	20130613	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
			13.82311		30	P	20130501	20130613	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
			13.82312		30	P	20130501	20130613	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
			13.82313		30	P	20130501	20130613	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
			13.82314		30	P	20130501	20130613	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
			13.82315		30	P	20130501	20130613	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
			13.82316		25	P	20130501		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
			13.82317		30	P	20130501	20130626	PM	PM	INSPECT AND LUBRICATE.
			13.82318		30	P	20130501	20130501	PM	PM	INSPECT AND LUBRICATE.
			13.82319		30	P	20130501	20130626	PM	PM	INSPECT AND LUBRICATE.
			13.82320		30	P	20130501	20130501	PM	PM	INSPECT AND LUBRICATE.
			13.82321		30	P	20130501	20130501	PM	PM	INSPECT AND LUBRICATE.

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Total Issued W/O's

Mike/Keith Locations:

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BRKLYN DUNDAL EASTER JF as of 09:27:10
**LOCPO MCST QUAD WSTPT ** on 07/15/13

Co No	Cos Center	Cost Loc Id	Parent WO	Suf	WO	Sts	TYPE	WO	Issue Date	WO	Complt Date	Wrk Type	Craft Code	Short problem Description
11	PUMPING ST EASTER													
		13.82322			30		P	20130501	20130501	20130628	PM	PM		INSPECT AND LUBRICATE.
		13.82323			30		P	20130501	20130501	20130702	PM	PM		INSPECT AND LUBRICATE.
		13.82324			30		P	20130501	20130501	20130626	PM	PM		INSPECT AND LUBRICATE.
		13.82325			25		P	20130501	20130501		PM	PM		INSPECT AND LUBRICATE.
		13.82326			30		P	20130501	20130501	20130626	PM	PM		INSPECT AND LUBRICATE.
		13.82327			30		P	20130501	20130501	20130626	PM	PM		INSPECT AND LUBRICATE.
		13.82328			30		P	20130501	20130501	20130501	PM	PM		INSPECT AND LUBRICATE.
		13.82329			30		P	20130501	20130501	20130628	PM	PM		INSPECT AND LUBRICATE.
		13.82330			30		P	20130501	20130501	20130501	PM	PM		INSPECT AND LUBRICATE.
		13.82331			30		P	20130501	20130501	20130613	PM	PM		CHECK VARIOUS COMPONENTS
		13.82332			30		P	20130501	20130501	20130613	PM	PM		OIL CHANGE
		13.82333			30		P	20130501	20130501	20130613	PM	PM		CHECK VARIOUS COMPONENTS
		13.82334			30		P	20130501	20130501	20130613	PM	PM		CHECK VARIOUS COMPONENTS
		13.82335			30		P	20130501	20130501	20130613	PM	PM		CHECK VARIOUS COMPONENTS
		13.82336			30		P	20130501	20130501	20130613	PM	PM		CHECK VARIOUS COMPONENTS
		13.82337			30		P	20130501	20130501	20130613	PM	PM		INSPECT AND CHECK VARIOUS COMPONENTS
		13.82338			30		P	20130501	20130501	20130613	PM	PM		INSPECT AND CHECK VARIOUS COMPONENTS
		13.82339			30		P	20130501	20130501	20130613	PM	PM		INSPECT AND CHECK VARIOUS COMPONENTS
		13.82340			30		P	20130501	20130501	20130613	PM	PM		LUBRICATION AND CHECKS
		13.82341			30		P	20130501	20130501	20130613	PM	PM		CHECK UNIT AND CLEAN (GEAR REDUCER)
		13.82342			30		P	20130501	20130501	20130613	PM	PM		CHECK UNIT AND CLEAN (GEAR REDUCER)
		13.82343			30		P	20130501	20130501	20130613	PM	PM		LUBRICATION AND CHECKS
		13.82344			30		P	20130501	20130501	20130613	PM	PM		CHECK GATE AND LUBRICATE
		13.82345			30		P	20130501	20130501	20130613	PM	PM		CHECK GATE AND LUBRICATE
		13.82346			30		P	20130501	20130501	20130613	PM	PM		CHECK GATE AND LUBRICATE
		13.82347			30		P	20130501	20130501	20130613	PM	PM		CHECK GATE AND LUBRICATE
		13.82348			30		P	20130501	20130501	20130613	PM	PM		CLEAN AND LUBRICATE
		13.82349			30		P	20130501	20130501	20130613	PM	PM		CLEAN AND LUBRICATE
		13.82350			30		P	20130501	20130501	20130613	PM	PM		CLEAN AND LUBRICATE
		13.82351			30		P	20130501	20130501	20130613	PM	PM		CHECK VARIOUS UNITS
		13.82352			30		P	20130501	20130501	20130613	PM	PM		CHECK VARIOUS UNITS
		13.82353			30		P	20130501	20130501	20130613	PM	PM		CHECK VARIOUS UNITS
		13.82354			30		P	20130501	20130501	20130613	PM	PM		CHECK VARIOUS UNITS
		13.82355			30		P	20130501	20130501	20130613	PM	PM		INSPECTION
		13.82356			30		P	20130501	20130501	20130613	PM	PM		INSPECTION
		13.82357			30		P	20130501	20130501	20130613	PM	PM		INSPECT NORMAL OPERATION
		13.82358			30		P	20130501	20130501	20130613	PM	PM		INSPECT NORMAL OPERATION
		13.82359			30		P	20130501	20130501	20130613	PM	PM		INSPECT NORMAL OPERATION
		13.82360			30		P	20130501	20130501	20130613	PM	PM		INSPECT NORMAL OPERATION
		13.82361			30		P	20130501	20130501	20130613	PM	PM		INSPECT VARIOUS COMPONENTS
		13.82362			30		P	20130501	20130501	20130613	PM	PM		INSPECT VARIOUS COMPONENTS
		13.82363			30		P	20130501	20130501	20130613	PM	PM		INSPECT VARIOUS COMPONENTS
		13.82387			30		P	20130501	20130501	20130530	PM	MCHPS		INSPECTION
		13.82388			30		P	20130501	20130501	20130531	PM	MCHPS		INSPECTION
		13.82389			30		P	20130501	20130501	20130530	PM	MCHPS		INSPECTION
		13.82390			30		P	20130501	20130501	20130531	PM	MCHPS		INSPECTION
		13.82391			30		P	20130501	20130501	20130530	PM	MCHPS		INSPECTION
		13.82392			30		P	20130501	20130501	20130531	PM	MCHPS		INSPECTION

APR. 01,'13 - JUN. 30,'13 **BRKLYN DUNDAL EASTER JF** as of 09:27:10
PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 07/15/13

Co	Cost	Parent	WO	WO	TYPE	WO	WO	Wrk	Craft	Short problem
No	Center	WO	Suf	Sts		Issue	Complt	Typ	Code	Description
	Id	Number				Date	Date			
11	PUMPING ST EASTER	13.82393		30	P	20130501	20130529	PM	MCHPS	INSPECTION
		13.82393		30	P	20130501	20130529	PM	MECH	INSPECTION
		13.82394		30	P	20130501	20130529	PM	MCHPS	INSPECTION
		13.82395		30	P	20130501	20130531	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82396		30	P	20130501	20130528	PM	INSPS	INSPECT/CLEAN/CALIBRATE
		13.82397		30	P	20130501	20130528	PM	INSPS	INSPECT/CLEAN/CALIBRATE
		13.82398		30	P	20130501	20130528	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82399		30	P	20130501	20130530	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82400		30	P	20130501	20130529	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82401		30	P	20130501	20130530	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82402		30	P	20130501	20130531	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82403		30	P	20130501	20130529	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82404		30	P	20130501	20130529	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82405		30	P	20130501	20130531	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82406		30	P	20130501	20130503	PM	INSPS	INSPECTION
		13.82407		30	P	20130501	20130529	PM	INSPS	CLEAN AND INSPECT
		13.82475		25	P	20130603		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82476		25	P	20130603		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82477		25	P	20130603		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82478		25	P	20130603		PM	INSPS	CLEAN/INSPECT/CALIBRATE
		13.82479		25	P	20130603		PM	INSPS	INSPECT PRESSURE DEVICES
		13.82480		25	P	20130603		PM	INSPS	INSPECTION
		13.82544		30	P	20130603	20130620	PM	MCHPS	INSPECTION
		13.82545		25	P	20130603		PM	MCHPS	INSPECTION
		13.82547		25	P	20130603		PM	BLDG	EXTERMINATE LOCKER RM.LOWER LEVEL.
		13.82548		25	P	20130603		PM	BLDG	COMPUTER PAPER PICK-UP
		13.82553		30	P	20130603	20130626	PM	PM	INSPECT AND LUBRICATE.
		13.82554		30	P	20130603	20130603	PM	PM	INSPECT AND LUBRICATE.
		13.82555		30	P	20130603	20130626	PM	PM	INSPECT AND LUBRICATE.
		13.82556		30	P	20130603	20130626	PM	PM	INSPECT AND LUBRICATE.
		13.82557		30	P	20130603	20130603	PM	PM	INSPECT AND LUBRICATE.
		13.82558		30	P	20130603	20130628	PM	PM	INSPECT AND LUBRICATE.
		13.82559		30	P	20130603	20130702	PM	PM	INSPECT AND LUBRICATE.
		13.82560		30	P	20130603	20130626	PM	PM	INSPECT AND LUBRICATE.
		13.82561		25	P	20130603		PM	PM	INSPECT AND LUBRICATE.
		13.82562		30	P	20130603	20130626	PM	PM	INSPECT AND LUBRICATE.
		13.82563		30	P	20130603	20130626	PM	PM	INSPECT AND LUBRICATE.
		13.82564		30	P	20130603	20130603	PM	PM	INSPECT AND LUBRICATE.
		13.82565		30	P	20130603	20130628	PM	PM	INSPECT AND LUBRICATE.
		13.82566		30	P	20130603	20130603	PM	PM	INSPECT AND LUBRICATE.
		13.82567		30	P	20130603	20130618	PM	PM	INSPECT AND LUBRICATE.
		13.82568		30	P	20130603	20130618	PM	PM	CHANGE OIL AND FILTER.
		13.82569		30	P	20130603	20130618	PM	PM	CHANGE OIL AND FILTER.
		13.82570		30	P	20130603	20130618	PM	PM	INSPECT AND LUBE
		13.82571		30	P	20130603	20130618	PM	PM	INSPECTION
		13.82572		30	P	20130603	20130618	PM	PM	INSPECTION
		13.82636		25	P	20130603		PM	HA	INSPECT AND CLEAN
		13.82637		25	P	20130603		PM	HA	INSPECT AND CLEAN

Co--Cost No Center	Cost Loc Id	Parent WO	WO	Suf	Sts	TYPE	WO	Issue Date	WO	Cmplt Date	Wrk Type	Craft Code	Short problem Description
11	PUMPING ST EASTER	13.82638			25	P	20130603		HA	PM	HA		INSPECT AND CLEAN
		13.82639			25	P	20130603		HA	PM	HA		INSPECT AND CLEAN
		13.82640			30	P	20130603	20130708	HA	PM	HA		INSPECT AND CLEAN
		13.82641			25	P	20130603		ELCPS	PM	ELCPS		INSPECT AND CLEAN
		13.82642			30	P	20130603	20130628	ELCPS	PM	ELCPS		ANNUAL PANEL INSPECT.
		13.82642			30	P	20130603	20130628	ELCPS	PM	ELCPS		ANNUAL PANEL INSPECT.
		13.82643			30	P	20130603	20130628	ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82643			30	P	20130603	20130628	ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82644			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82644			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82645			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82645			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82646			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82646			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82647			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82647			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82648			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82648			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82649			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82649			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82650			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT
		13.82650			25	P	20130603		ELCPS	PM	ELCPS		CLEAN AND INSPECT

Total W/O's for Location EASTER:
COUNT 216

JF	13.81950	30	P	20130401	20130612	PM	PM	INSPECTION.
	13.81951	30	P	20130401	20130612	PM	PM	CHANGE OIL (REDUCER)
	13.81952	30	P	20130401	20130612	PM	PM	CHANGE OIL (REDUCER)
	13.81953	30	P	20130401	20130617	PM	PM	CLEAN, LUBRICATE
	13.81954	30	P	20130401	20130617	PM	PM	INSPECT AND LUBRICATE CRANE
	13.81955	30	P	20130401	20130617	PM	PM	INSPECT AND LUBE CRANE
	13.81956	30	P	20130401	20130617	PM	PM	MONTHLY CHECKS
	13.81957	30	P	20130401	20130702	PM	PM	INSPECTION
	13.81958	30	P	20130401	20130618	PM	PM	INSPECTION
	13.81959	30	P	20130401	20130618	PM	PM	INSPECTION
	13.81960	30	P	20130401	20130618	PM	PM	INSPECTION
	13.82081	30	P	20130401	20130405	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82082	30	P	20130401	20130405	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82083	30	P	20130401	20130402	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82084	30	P	20130401	20130402	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82085	30	P	20130401	20130401	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82086	30	P	20130401	20130402	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82087	30	P	20130401	20130411	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82088	30	P	20130401	20130401	PM	INSPS	INSPECTION
	13.82089	30	P	20130401	20130404	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82090	30	P	20130401	20130403	PM	INSPS	INSPECTION
	13.82091	30	P	20130401	20130404	PM	INSPS	CLEAN AND INSPECT

Co No	Cost Center	Cost Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO Issue Date	WO Cmpl Date	Wrk Typ	Craft Code	Short problem Description
11	PUMPING ST JF		13.82170		30	P	20130402	20130506	PM	ELCPS	CHECK,BATTERIES& LIGHT
			13.82170		30	P	20130402	20130506	PM	ELEC	CHECK,BATTERIES& LIGHT
			13.82171		30	P	20130402	20130404	PM	ELCPS	INSPECT AND LUBRICATE
			13.82172		30	P	20130402	20130408	PM	ELCPS	INSPECT AND LUBRICATE.
			13.82172		30	P	20130402	20130408	PM	PM	INSPECT AND LUBRICATE.
			13.82174		30	P	20130402	20130425	PM	ELCPS	ANNUAL INSPECTION AND LUBRICATION
			13.82175		30	P	20130402	20130425	PM	ELCPS	ANNUAL INSPECTION AND LUBRICATION
			13.82176		30	P	20130402	20130425	PM	ELCPS	INSPECT AND LUBRICATE
			13.82177		30	P	20130402	20130425	PM	ELCPS	ANNUAL INSPECTION
			13.82178		30	P	20130402	20130424	PM	ELCPS	ANNUAL INSPECTION
			13.82179		30	P	20130402	20130506	PM	ELCPS	INSPECT AND CLEAN
			13.82179		30	P	20130402	20130506	PM	ELEC	INSPECT AND CLEAN
			13.82180		30	P	20130402	20130506	PM	ELCPS	INSPECT AND CLEAN
			13.82180		30	P	20130402	20130506	PM	ELEC	INSPECT AND CLEAN
			13.82181		30	P	20130402	20130424	PM	ELCPS	CLEAN & INSPECT
			13.82182		30	P	20130402	20130424	PM	ELCPS	CLEAN & INSPECT
			13.82183		30	P	20130402	20130418	PM	ELCPS	CLEAN & INSPECT
			13.82184		30	P	20130402	20130411	PM	ELCPS	CLEAN & INSPECT
			13.82185		30	P	20130402	20130411	PM	ELCPS	CLEAN & INSPECT
			13.82186		30	P	20130402	20130411	PM	ELCPS	CLEAN & INSPECT
			13.82187		30	P	20130402	20130411	PM	ELCPS	CLEAN & INSPECT
			13.82188		30	P	20130402	20130424	PM	ELCPS	CLEAN & INSPECT
			13.82189		30	P	20130402	20130424	PM	ELCPS	CLEAN & INSPECT
			13.82190		30	P	20130402	20130425	PM	ELCPS	CLEAN & INSPECT
			13.82261		30	P	20130501	20130522	PM	ELCPS	ANNUAL INSPECTION AND CLEANING
			13.82262		30	P	20130501	20130523	PM	ELCPS	ANNUAL INSPECTION AND CLEANING
			13.82263		30	P	20130501	20130523	PM	ELCPS	ANNUAL INSPECTION AND CLEANING
			13.82274		30	P	20130501	20130523	PM	ELCPS	CHECK OPERATION/INSPECTION
			13.82275		30	P	20130501	20130514	PM	ELCPS	INSPECT AND LUBRICATE
			13.82276		30	P	20130501	20130514	PM	ELCPS	INSPECT AND LUBRICATE
			13.82277		30	P	20130501	20130514	PM	ELCPS	INSPECT AND LUBRICATE
			13.82278		30	P	20130501	20130517	PM	ELCPS	INSPECT AND CLEAN
			13.82279		30	P	20130501	20130517	PM	ELCPS	INSPECT AND CLEAN
			13.82280		30	P	20130501	20130517	PM	ELCPS	INSPECT AND CLEAN
			13.82408		30	P	20130501	20130517	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.82409		30	P	20130501	20130517	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.82410		30	P	20130501	20130516	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.82411		30	P	20130501	20130516	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.82412		30	P	20130501	20130514	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.82413		30	P	20130501	20130516	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.82414		30	P	20130501	20130514	PM	INSPS	INSPECTION
			13.82415		30	P	20130501	20130514	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.82416		30	P	20130501	20130515	PM	INSPS	INSPECTION
			13.82417		30	P	20130501	20130515	PM	INSPS	CLEAN AND INSPECT
			13.82481		25	P	20130603		PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.82482		25	P	20130603		PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.82651		30	P	20130603	20130610	PM	ELCPS	INSPECT AND LUBRICATE
			13.82652		30	P	20130603	20130618	PM	ELCPS	INSPECT AND LUBRICATE

NOT IN SERVICE***
NOT IN SERVICE***
NOT IN SERVICE***
NOT IN SERVICE***

07/15/13 09:27:10

Total Issued W/O's

Mike/Keith Locations:

WOCOMPMSAL

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APR. 01,'13 - JUN. 30,'13
PUMPING STATIONS - PM only

BRKLYN DUNDAL EASTER JF as of 09:27:10
**LOCPO MCST QUAD WSTPT ** on 07/15/13

Co No	Cost Center	Cost Loc Id	Parent WO	Suf	WO	Sts	TYPE	WO	Issue Date	WO	Cmplt Date	Wrk Type	Craft Code	Short problem Description
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11	PUMPING ST JF	13.82653	30	P	20130603	20130618	PM	ELCPS	INSPECT AND LUBRICATE
		13.82654	30	P	20130603	20130610	PM	ELCPS	INSPECT AND LUBRICATE
		13.82655	30	P	20130603	20130610	PM	ELCPS	INSPECT AND LUBRICATE
		13.82656	30	P	20130603	20130614	PM	ELCPS	INSPECT AND LUBRICATE
		13.82657	30	P	20130603	20130610	PM	ELCPS	INSPECT AND LUBRICATE
		13.82658	30	P	20130603	20130610	PM	ELCPS	INSPECT AND LUBRICATE
		13.82659	30	P	20130603	20130610	PM	ELCPS	CHECK VARIOUS UNITS

Total W/O's for Location JF:
COUNT 77

LOCPO	13-82054	30	P	20130401	20130429	PM	PM	INSPECTION AND LUBRICATION
	13.82055	30	P	20130401	20130429	PM	PM	CLEAN FILTER, INSPECT
	13.82056	30	P	20130401	20130429	PM	PM	FLUSH COOLING SYSTEM &CHANGE OIL
	13.82057	30	P	20130401	19930420	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
	13.82058	30	P	20130401	20130429	PM	PM	INSPECTION
	13.82058	30	P	20130401	20130429	PM	PM	INSPECTION
	13.82059	30	P	20130401	20130429	PM	PM	CHECK OPERATION
	13.82060	30	P	20130401	20130429	PM	PM	TESTING AND LUBRICATION
	13.82061	30	P	20130401	19930420	PM	PM	TESTING AND LUBRICATION
	13.82062	30	P	20130401	19930420	PM	PM	TESTING AND LUBRICATION
	13.82063	30	P	20130401	20130429	PM	PM	TESTING AND LUBRICATION
	13.82064	30	P	20130401	19930402	PM	PM	TESTING AND LUBRICATION
	13.82065	30	P	20130401	19930420	PM	PM	TESTING AND LUBRICATION
	13.82066	30	P	20130401	19930420	PM	PM	INSPECT AND LUBRICATE
	13.82134	30	P	20130401	20130415	PM	PM	INSPECT AND LUBRICATE
	13.82135	30	P	20130401	20130415	PM	PM	CLEAN/INSPECT/CALIBRATE
	13.82136	30	P	20130401	20130419	PM	PM	CLEAN/INSPECT/CALIBRATE
	13.82138	30	P	20130401	20130419	PM	PM	CLEAN/INSPECT/CALIBRATE
	13.82139	30	P	20130401	20130418	PM	PM	INSPECTION
	13.82140	30	P	20130401	20130418	PM	PM	INSPECTION AND CLEAN
	13.82224	30	P	20130402	20130418	PM	ELCPS	INSPECTION.
	13.82297	30	P	20130501	20130506	PM	ELCPS	CLEAN AND INSPECT
	13.82300	30	P	20130501	20130506	PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
	13.82301	30	P	20130501	20130506	PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
	13.82302	30	P	20130501	20130506	PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
	13.82385	25	P	20130501		PM	PM	INSPECT AND LUBRICATE
	13.82386	25	P	20130501		PM	PM	INSPECT AND LUBRICATE
	13.82533	30	P	20130603	20130624	PM	PM	CLEAN/INSPECT/CALIBRATE
	13.82534	30	P	20130603	20130624	PM	PM	CLEAN/INSPECT/CALIBRATE
	13.82535	30	P	20130603	20130628	PM	PM	CLEAN/INSPECT/CALIBRATE
	13-82537	30	P	20130603	20130625	PM	PM	INSPECTION
	13.82538	30	P	20130603	20130624	PM	PM	INSPECTION
	13.82539	30	P	20130603	20130628	PM	PM	INSPECT AND CLEAN
	13-82624	25	P	20130603		PM	PM	CLEAN FILTER, INSPECT
	13.82625	25	P	20130603		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
	13.82626	25	P	20130603		PM	PM	INSPECTION
	13-82627	25	P	20130603		PM	PM	CHECK OPERATION

APR. 01, '13 - JUN. 30, '13
PUMPING STATIONS - PM only

BRKLYN DUNDAL EASTER JF as of 09:27:10
**LOCPO MCST QUAD WSTPT ** on 07/15/13

Co	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short problem
No	Center	WO	Suf	Sts			Date		Type	Code	Description
		Id	Number								
11	PUMPING ST	LOCPO	13.82628	25	P	20130603		PM	PM	PM	TESTING AND LUBRICATION
			13.82629	25	P	20130603		PM	PM	PM	TESTING AND LUBRICATION
			13.82630	25	P	20130603		PM	PM	PM	TESTING AND LUBRICATION
			13.82631	25	P	20130603		PM	PM	PM	TESTING AND LUBRICATION
			13.82632	25	P	20130603		PM	PM	PM	TESTING AND LUBRICATION
			13.82633	25	P	20130603		PM	PM	PM	INSPECT AND LUBRICATE
			13.82634	25	P	20130603		PM	PM	PM	INSPECT AND LUBRICATE
			13.82675	25	P	20130603		PM	ELEC	ELEC	CHECK, BATTERIES & LIGHT
			13.82676	25	P	20130603		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
			13.82677	25	P	20130603		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
			13.82681	25	P	20130603		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
			13.82682	25	P	20130603		PM	ELCPS	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
			13.82683	25	P	20130603		PM	ELCPS	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
			13.82684	25	P	20130603		PM	ELCPS	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE

Total W/O's for Location MCST:
COUNT 51

MCST	13.82053	25	P	20130401		PM	PM	PM	PM	PM	CHECK AND LUBE
	13.82209	30	P	20130402	20130418	PM	ELCPS	ELCPS	ELCPS	ELCPS	INSPECTION
	13.82296	30	P	20130501	20130507	PM	ELCPS	ELCPS	ELCPS	ELCPS	CLEAN AND INSPECT
	13.82448	30	P	20130501	20130506	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82449	30	P	20130501	20130506	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82450	30	P	20130501	20130509	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82451	30	P	20130501	20130509	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82452	30	P	20130501	20130507	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82453	30	P	20130501	20130507	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82527	30	P	20130603	20130610	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82528	30	P	20130603	20130610	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82529	30	P	20130603	20130613	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82530	30	P	20130603	20130613	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82531	30	P	20130603	20130614	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82532	30	P	20130603	20130614	PM	INSPS	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
	13.82622	25	P	20130603		PM	PM	PM	PM	PM	ENG. TUNE-UP, OIL CHANGE SYSTEM CHECK
	13.82623	25	P	20130603		PM	PM	PM	PM	PM	INSPECT AND LUBRICATE
	13.82673	30	P	20130603	20130607	PM	ELCPS	ELCPS	ELCPS	ELCPS	INSPECT AND LUBRICATE
	13.82674	30	P	20130603	20130607	PM	ELCPS	ELCPS	ELCPS	ELCPS	CHECK OPERATING CONDITION, BATTERY CHEC

Total W/O's for Location MCST:
COUNT 19

QUAD	13.81961	30	P	20130401	20130619	PM	PM	PM	PM	PM	TEST AND LUBRICATE
	13.81962	30	P	20130401	20130619	PM	PM	PM	PM	PM	TEST AND LUBRICATE
	13.81963	30	P	20130401	20130619	PM	PM	PM	PM	PM	TEST AND LUBRICATE
	13.81964	30	P	20130401	20130619	PM	PM	PM	PM	PM	TEST AND LUBRICATE
	13.81965	30	P	20130401	20130619	PM	PM	PM	PM	PM	TEST AND LUBRICATE
	13.81966	30	P	20130401	20030619	PM	PM	PM	PM	PM	TEST AND LUBRICATE
	13.81967	30	P	20130401	20130619	PM	PM	PM	PM	PM	TEST AND LUBRICATE

07/15/13 09:27:10

Total Issued W/O's

Mike/Keith Locations:

WOCOMPSAL

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APR. 01, '13 - JUN. 30, '13
PUMPING STATIONS - PM only

BRKLYN DUNDAL EASTER JF as of 09:27:10
**LOCPO MCST QUAD WSTPT ** on 07/15/13

Co	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short problem
No	Center	WO	Suf	Sts			Date		Typ	Code	Description
		Id	Number					Date			

11	PUMPING ST QUAD	13.82660	30	P	20130603	20130604	PM	ELCPS	CHECK OPERATING CONDITION, BATTERY
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Total W/O's for Location QUAD:
COUNT 56

WSTPT	13.82048	30	P	20130401	20130429	PM	PM	CLEAN, LUBRICATE
	13.82049	30	P	20130401	20130429	PM	PM	CLEAN, LUBRICATE
	13.82050	30	P	20130401	20130429	PM	PM	CLEAN, LUBRICATE
	13.82051	30	P	20130401	20130429	PM	PM	CLEAN, LUBRICATE
	13.82052	30	P	20130401	20130429	PM	PM	CLEAN, LUBRICATE
	13.82133	25	P	20130401		PM	INSPS	INSPECTION
	13.82206	30	P	20130402	20130416	PM	ELCPS	INSPECT AND LUBRICATE
	13.82207	30	P	20130402	20130416	PM	ELCPS	INSPECT AND LUBRICATE
	13.82208	30	P	20130402	20130416	PM	ELCPS	INSPECTION
	13.82295	30	P	20130501	20130506	PM	ELCPS	CLEAN AND INSPECT
	13.82367	25	P	20130501		PM	PM	CHECK VARIOUS COMPONENTS
	13.82368	25	P	20130501		PM	PM	CHECK VARIOUS COMPONENTS
	13.82369	25	P	20130501		PM	PM	CHECK VARIOUS COMPONENTS
	13.82370	25	P	20130501		PM	PM	INSPECT AND LUBRICATE
	13.82371	25	P	20130501		PM	PM	INSPECT AND LUBRICATE
	13.82372	25	P	20130501		PM	PM	INSPECT AND LUBRICATE
	13.82373	25	P	20130501		PM	PM	LUBRICATION
	13.82374	25	P	20130501		PM	PM	INSPECT AND LUBRICATE
	13.82375	25	P	20130501		PM	PM	CHECK VARIOUS UNITS
	13.82376	25	P	20130501		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
	13.82376	25	P	20130501		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
	13.82377	25	P	20130501		PM	PM	INSPECT NORMAL OPERATION
	13.82378	25	P	20130501		PM	PM	INSPECT NORMAL OPERATION
	13.82379	25	P	20130501		PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT
	13.82380	25	P	20130501		PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT
	13.82381	25	P	20130501		PM	PM	INSPECT AND LUBRICATE
	13.82382	25	P	20130501		PM	PM	INSPECT AND LUBRICATE
	13.82383	25	P	20130501		PM	PM	INSPECT AND LUBRICATE
	13.82384	25	P	20130501		PM	PM	INSPECT AND LUBRICATE
	13.82442	30	P	20130501	20130514	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82443	30	P	20130501	20130514	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82444	30	P	20130501	20130516	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82445	30	P	20130501	19730510	PM	INSPS	INSPECT AND CALIBRATE
	13.82446	25	P	20130501		PM	INSPS	INSPECTION
	13.82447	30	P	20130501	20130516	PM	INSPS	INSPECTION
	13.82524	25	P	20130603		PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.82525	25	P	20130603		PM	INSPS	INSPECT AND CALIBRATE
	13.82526	25	P	20130603		PM	INSPS	INSPECTION
	13.82620	25	P	20130603		PM	PM	INSPECTION
	13.82621	25	P	20130603		PM	PM	LUBRICATE, OIL-CHANGE
	13.82671	30	P	20130603	20130606	PM	ELCPS	INSPECTION
	13.82672	30	P	20130603	20130606	PM	ELCPS	INSPECT AND LUBRICATE

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Total Issued W/O's
APR. 01, '13 - JUN. 30, '13
PUMPING STATIONS - PM only

Mike/Keith Locations: WOCMPMSAL
 BRKLYN DUNDAL EASTER JF as of 09:27:10
 **LOCPO MCST QUAD WSTPT ** on 07/15/13

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Co	Cost	Cost	Parent
No	Center	Loc	WO
		Id	Number

WO	Issue	WO	Wrk	Craft	Short problem
Date		Cmplt	Typ	Code	Description
		Date			

FINAL TOTALS
COUNT 691

END OF REPORT

Completed/Issued W/O Report	CORRECTIVES & MDS*	LOCATIONS:
Apr. 1, 2013 -	→ Brooklyn	Dundalk Eastern Ave
Jun. 30, 2013 →	Jones Falls Locust Pt.	McComas St.
	→ Quad Avenue	Westport

QUERY NAME WCOMPSSAL
LIBRARY NAME MONTHLYRUN

FILE	LIBRARY	MEMBER	FORMAT
WSM5T00	WMS810F	WSM5T00	WSM5T00R
EQMST	WMS810F	EQMST	EQMSTR
WSM5T31	WMS810F	WSM5T31	WSM5T31R
DCCTL	WMS810F	DCCTL	DCCTLR
ETEXTS	WMS810F	ETEXTS	TEXTSR

DATE 07/15/13
TIME 09:31:57

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

Co. No.	Area	W/O Number	Machine Number	Machine Description	W/O	Sts	Prty Code	Full Problem	Req. By	Craft Code	WO Emplt Date	WO Issue Date	Stricken Class
11	PUMPING ST EASTER	13.82248	919603	MACHINE,ICE W/FILTERS	30	3D		Sullivan 6-4972	US	HA	20130423	20130418	
		13.82249	911000	FACILITY,EASTERN AVENUE	30	4		stielper 6-4972	CS	MCHFB	20130509	20130423	
		13.82254	2	911000 FACILITY,EASTERN AVENUE	25	3D		leak in pipe and ceiling {pump room floor} see CS /us 64972	CS	MCHPS		20130425	
		13.82254	1	911000 FACILITY,EASTERN AVENUE	30	3D		leak in pipe and ceiling {pump room floor} see CS /us 64972	CS	BLDG	20130506	20130425	
		13.82255	918816	ROTO-TILLER, (HECHINGER) SH	25	4		stielper 54972	CS	MCHPS		20130425	
		13.82256	918943	TRIMMER, HEDGE #0745	30	4		stielper 64972	CS	MCHPS	20130509	20130425	
		13.82258	911000	FACILITY,EASTERN AVENUE	25	3D		in computer room, Sullivan 6-4972	US	BLDG		20130501	
		13.82259	911000	FACILITY,EASTERN AVENUE	30	3D		Sullivan 6-4972	US	BLDG	20130507	20130501	
		13.82260	911000	FACILITY,EASTERN AVENUE	25	3D		Sullivan 6-4972	US	BLDG		20130501	
		13.82455	913102	SCREEN,BAR (SOUTH)	25	3D		Sullivan 6-4972	UD	MCHPS		20130502	
		13.82457	919035	PUMPS, (SOUTH)	30	4		stielper 64972	CS	MCHFB	20130515	20130509	
		13.82459	912102	VALVE-CONE #2 PUMP	25	3D		REQ BY J.NAROCK	JCN	ELCPS		20130514	
		13.82460	912103	VALVE-CONE #3 PUMP	30	4		stielper 64972	CS	ELCPS	20130508	20130514	
		13.82461	911000	FACILITY,EASTERN AVENUE	25	4		offices (no heat) stielper 64972	CS	HA		20130514	
		13.82462	911000	FACILITY,EASTERN AVENUE	30	4		see stielper 64972	CS	MCHFB	20130515	20130514	
		13.82464	911000	FACILITY,EASTERN AVENUE	30	4		stielper 64972	CS	MCHFB	20130521	20130516	
		13.82467	913202	MOTOR,BAR SCREEN (SOUTH)	25	4			WH	ELCPS		20130521	
		13.82468	912103	VALVE-CONE #3 PUMP	30	3D		stielper 64972	CS	ELCPS	20130529	20130522	
		13.82469	913102	SCREEN,BAR (SOUTH)	25	4		stielper 64972	CS	ELCPS		20130522	
		13.82473	910001	TRANSMITTER,DP ROSEMOUNT	30	4		stielper 64972	CS	INSPS	20130530	20130530	
		13.82689	910029	TRANSDUCER,PRESSURE	25	3D		stielper 64972	CS	INSPS		20130605	
		13.82706	911000	FACILITY,EASTERN AVENUE	25	4		N.REQ.BY W.HOOKS 69701	WH	BLDG		20130612	
		13.82709	911000	FACILITY,EASTERN AVENUE	30	4		degree bend on pitch fork stielper 64972	CS	MCHFB	20130614	20130614	
		13.82710	911101	PUMP,SEWAGE #1	30	4		stielper 64972	CS	MCHPS	20130614	20130614	
		13.82711	916000	BUILDING,EMER.GENERATOR	30	3D		REQ. BY J. NAROCK 6-9748	JCN	ELCPS	20130618	20130617	
		13.82714	910009	TRANSMITTER, PRESSURE	30	4		incorrect reading stie per 64972	CS	INSPS	20130628	20130618	
		13.82715	915303	FAN,EXHAUST	25	4		load-stielper 64972	CS	HA		20130618	
		13.82716	911301	GENERATOR,EMER.STANDBY FU	30	4		{CORRODED AWAY}STIELPER 64972	CS	ELCPS	20130621	20130620	
		13.82718	910009	TRANSMITTER, PRESSURE	30	4		stielper 64972	CS	INSPS	20130628	20130621	
		13.82719	911101	PUMP,SEWAGE #1	30	4		stielper 64972	CS	MCHPS	20130625	20130624	
		13.82720	911104	PUMP,SEWAGE #4	30	4		stielper 64972	CS	MCHPS	20130626	20130624	
		13.82721	911000	FACILITY,EASTERN AVENUE	30	4		stielper 64972	CS	ELCPS	20130628	20130624	
		13.82722	913404	HEATER,UNIT #4(PUMP FLR)	25	4		stielper 64972	CS	HA		20130624	
Location EASTER:													
COUNT 53													
JF	13.80552	192041	BREAKER,TIE 2.4KV(ELECT.R	30	3			REQ BY K.KURSKI	KK	ELCPS	20130603	20120814	
	13.81884	923201	PREVENTER,BACKFLOW(BASIN	30	4			stielper 64972	CS	PEMG	20130513	20130315	
	13.81910	924101	SCREEN,BAR #1(FRONT CLEAN	30	4			Q.BY W.HOOKS 69701	WH	MCHFB	20130401	20130327	
	13.82252	921201	MOTOR,SEWAGE PUMP #1	30	4			off e level stielper 64972	CS	ELCPS	20130501	20130425	
	13.82471	921000	FACILITY,JONES FALLS	25	4			stielper 64972	CS	BLDG		20130524	
	13.82692	920016	MONITOR,BAR SCREEN GAS(ME	25	4			REQ R BARTON JR	RB-J	INSPS		20130607	
	13.82697	924102	SCREEN,BAR #2(FRONT CLEAN	30	3D				CS	MCHPS	20130611	20130610	
	13.82699	920005	CONTROLLER,PROGRAMMABLE	30	4			stielper 64972	CS	ELCPS	20130611	20130611	
	13.82707	924302	DRIVE,#2 BAR SCREEN	25	4			MACHINING PLATE, REQ BY W.HOOKS 69701	WH	MCHFB		20130612	
	13.82708	926731	DUMPSTER,JF2001(SCREEN RM	30	4			stielper 64972	CS	MCHFB	20130614	20130613	

APPENDIX 5

SUMMARY OF REPORTED OVERFLOWS

City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending June 30, 2013

SSO No. 67

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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None Reported this Quarter

SSO No. 72

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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None Reported this Quarter

SSO No. 132

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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05/11/2013	Flow Meter in Place	0.81
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SSO No. 134

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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05/10/2013	Flow Meter in Place	1.06
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05/11/2013	Flow Meter in Place	0.81
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SSO No. 135

<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, 2013

05/11/2013	Flow Meter in Place	0.81
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SSO No. 137

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
05/11/2013	Flow Meter in Place	0.74

SSO No. 138

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
None Reported this Quarter		

SSO No. 139

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
None Reported this Quarter		

Pumping Station Overflows

<u>Pumping Station</u>	<u>Date</u>	<u>Volume Loss (gal)</u>	<u>Rainfall (in)</u>
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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City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending June 30, 2013

Patapsco	04/18/2013	unknown	unknown
Back River	06/10/2013	50,000	unknown

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2013

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
4/1/2013	180	Rags & Grease	0.00	Jones Falls	1601 N. Fulton Ave	21217
4/1/2013	Evidence of Overflow	Rags	0.00	None	1809 Bolton St	21217
4/2/2013	2440	Rags	0.00	Inner Harbor	3101 Pulaski Hwy	21224
4/3/2013	Evidence of Overflow	Roots & Grease	0.00	None	914 N. Monroe St	21217
4/3/2013	Evidence of Overflow	Roots	0.00	None	5604 Purlington Way	21212
4/4/2013	Evidence of Overflow	Rags	0.00	None	805 W. Cross St	21230
4/4/2013	Evidence of Overflow	Roots & Debris	0.00	None	2551 Marbourne Ave	21230
4/4/2013	1000	Rags & Roots	0.00	Gwynns Falls	3703 Fallstaff Rd	21215
4/4/2013	Evidence of Overflow	Roots	0.00	None	4440 Newport Ave	21211
4/4/2013	25	Roots	0.00	Gwynns Falls	Mondawmin Ave & Clifton Rd	21216
4/5/2013	Evidence of Overflow	Rags & Grease	0.10	None	2518 Talbot Rd	21216
4/5/2013	Evidence of Overflow	N/A	0.10	None	3617 Hillsdale Rd	21207
4/5/2013	Evidence of Overflow	Rags	0.10	None	4536 Schenley Rd	21210
4/6/2013	Evidence of Overflow	Roots	0.00	None	6019 Loch Raven Rd	21239
4/7/2013	Evidence of Overflow	Rags	0.00	None	2337 Edmondson Ave	21223
4/7/2013	Evidence of Overflow	N/A	0.00	None	3038 Dillon St	21224
4/7/2013	Evidence of Overflow	Cable hung in connection	0.00	None	3626 Greenmount Ave	21218
4/8/2013	Evidence of Overflow	Rags & Roots	0.01	None	6 Elmwood Rd	21210
4/8/2013	Evidence of Overflow	Rags	0.01	None	7003 Survey Dr	21215
4/9/2013	Evidence of Overflow	Rags & Grease	0.00	None	604 Venable St	21218
4/9/2013	Evidence of Overflow	Rags & Roots	0.00	None	3834 Lewin Ave	21215
4/10/2013	309	Rags & Roots	0.00	Jones Falls	8 Elmwood Rd	21210
4/10/2013	Evidence of Overflow	Roots	0.00	None	724 N. Fulton Ave	21217
4/10/2013	Evidence of Overflow	N/A	0.00	None	2337 Edmondson Ave	21223
4/10/2013	Evidence of Overflow	Roots	0.00	None	5512 Boxhill Ln	21210
4/11/2013	Evidence of Overflow	Roots	0.00	None	301 Rossiter Ave	21212
4/11/2013	Evidence of Overflow	N/A	0.00	None	432 Ilchester Ave	21218
4/11/2013	Evidence of Overflow	Rags & Grease	0.00	None	1134 N. Gilmor St	21217
4/11/2013	Evidence of Overflow	N/A	0.00	None	1809 Rayner Ave	21217
4/11/2013	5400	Rags & Grease	0.00	Gwynns Falls	2730 Wilmarco St	21223
4/11/2013	Evidence of Overflow	N/A	0.00	None	3434 Park Heights Ave	21215
4/12/2013	Evidence of Overflow	Rags	0.65	None	503 Edgevale Rd	21210
4/13/2013	15	Rags & Grease	0.00	None	320 Millington Ave	21223
4/14/2013	320	Roots	0.00	Jones Falls	6 Boulder Ln	21210
4/14/2013	Evidence of Overflow	Rags & Grease	0.00	None	1614 Braddish Ave	21216
4/14/2013	Evidence of Overflow	Rags & Roots	0.00	None	5906 Edna Ave	21214
4/15/2013	216	Rags & Grease	0.00	Gwynns Falls	137 S. Loudon Ave	21229
4/15/2013	Evidence of Overflow	Rags	0.00	None	305 Somerset Rd	21210
4/15/2013	995	Rags, Roots, Grease & Debris	0.00	Gwynns Falls	4002 Kathland Ave	21207
4/15/2013	Evidence of Overflow	N/A	0.00	None	6701 Quad Ave	21205

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2013

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
4/16/2013	Evidence of Overflow	N/A	0.00	None	432 Ilchester Ave	21218
4/16/2013	Evidence of Overflow	Rags	0.00	None	1029 Cooks Ln	21229
4/16/2013	15	Rags & Grease	0.00	None	2119 Kentucky Ave	21218
4/16/2013	30	Rags & Grease	0.00	None	4426 Forestview Ave	21206
4/17/2013	350	Rags & Grease	0.00	Gwynns Falls	500 Doswell Ave	21223
4/17/2013	Evidence of Overflow	Rags & Grease	0.00	None	1117 Appleton St	21217
4/17/2013	30	Rags & Grease	0.00	None	2840 Greenmount Ave	21218
4/17/2013	Evidence of Overflow	Rags	0.00	None	5816 Berkeley Ave	21215
4/19/2013	Evidence of Overflow	Rags	0.80	None	432 Ilchester Ave	21218
4/19/2013	Evidence of Overflow	Unknown	0.80	None	2324 W. Fayette St	21223
4/19/2013	Evidence of Overflow	Rags & Grease	0.80	Inner Harbor	3101 Pulaski Hwy	21224
4/20/2013	Evidence of Overflow	N/A	0.07	None	1009 Appleton St	21217
4/21/2013	Evidence of Overflow	Roots	0.00	None	914 N. Monroe St	21217
4/21/2013	Evidence of Overflow	Rags & Grease	0.00	None	4400 Wabash Ave	21215
4/22/2013	Evidence of Overflow	Unknown	0.00	None	1307 W. Northern Pkwy	21209
4/22/2013	Evidence of Overflow	Rags	0.00	None	3801 6th St	21225
4/23/2013	Evidence of Overflow	Rags	0.00	None	3303 Elbert St	21229
4/24/2013	Evidence of Overflow	Rags & Roots	0.00	None	1307 W. Northern Pkwy	21209
4/24/2013	Evidence of Overflow	Rags & Roots	0.00	None	3208 Taney Rd	21215
4/24/2013	Evidence of Overflow	Rags	0.00	None	3700 Reisterstown Rd	21215
4/25/2013	37	Rags & Grease	0.00	Herring Run	1427 Homestead St	21218
4/25/2013	Evidence of Overflow	Rags, Grease & Debris	0.00	None	1521 Park Ave	21217
4/25/2013	1000	Rags, Grease & Trash	0.00	Herring Run	4801 Lorrelly Ave	21206
4/27/2013	Evidence of Overflow	N/A	0.00	None	508 S. Hanover St	21201
4/27/2013	Evidence of Overflow	Roots	0.00	None	1828 Laurens St	21217
4/27/2013	Evidence of Overflow	Pipe Break	0.00	None	6013 Park Heights Ave	21215
4/28/2013	700	Rags	0.00	Patapsco	3800 8th St	21225
4/29/2013	63	Rags & Roots	0.38	Gwynns Falls	6705 Western Run Dr	21215
4/30/2013	Evidence of Overflow	N/A	0.21	None	3703 Fallstaff Rd	21215

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2013

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
5/1/2013	Evidence of Overflow	N/A	0.05	None	1615 Ashburton St	21216
5/1/2013	Evidence of Overflow	N/A	0.05	None	2313 Allendale Rd	21216
5/1/2013	97	Rags, Roots	0.05	Jones Falls	6708 Cross Country Blvd	21215
5/1/2013	375	Rags, Grease	0.05	Jones Falls	Ashland Ave & N Caroline St	21205
5/2/2013	Evidence of Overflow	Roots	0.00	None	931 Wilmington Ave	21223
5/2/2013	200	Rags, Trash	0.00	Herring Run	3212 Juneau Pl	21214
5/2/2013	Evidence of Overflow	Other Debris	0.00	None	2115 Ridgehill Ave	21217
5/2/2013	Evidence of Overflow	N/A	0.00	None	305 Somerset Rd	21210
5/3/2013	60	Rags, Grease	0.09	Inlet (Back River)	6200 Holabird Ave	21224
5/3/2013	Evidence of Overflow	Rags, Grease, Trash	0.09	None	428 E Preston St	21215
5/5/2013	2110	Rags	0.00	Gwynns Falls	810 N Hilton St	21229
5/6/2013	Evidence of Overflow	Roots	0.00	None	2218 Deerfern Cres	21209
5/6/2013	Evidence of Overflow	Roots	0.00	None	902 Reverdy Rd	21212
5/6/2013	275	Rags, Roots	0.00	Gwynns Falls	4605 Briarcliff Rd	21229
5/7/2013	164	Grease	0.50	High Level	574 Orchard St	21201
5/7/2013	Evidence of Overflow	Rags, Roots	0.50	None	1505 Woodbourne Ave	21239
5/9/2013	Evidence of Overflow	Roots, Other Debris	0.00	None	2723 Presbury St	21216
5/10/2013	1740	Grease	0.79	Herring Run	2133 ColdSpring Ln	21214
5/11/2013	270	Rags	0.47	Herring Run Stream	Loch Raven Blvd & Winston Ave	21212
5/11/2013	165	Rags, Grease	0.47	Jones Falls	2479 Druid Hill Ave	21217
5/11/2013	60	Rags, Grease	0.47	None	4406 Kathland Ave	21207
5/11/2013	60	Roots	0.47	None Inlet	5213 Putney Wat	21212
5/12/2013	Evidence of Overflow	Rags, Roots	0.00	None	1234 Braddish Ave	21207
5/12/2013	2300	Rags, Grease	0.00	Gwynns Falls	4600 Briarcliff Rd	21229
5/12/2013	Evidence of Overflow	Rags, Grease, Trash	0.00	None	2603 Boone St	21218
5/13/2013	Evidence of Overflow	Leaking Water Meter	0.00	None	501 Edgevale Rd	21210
5/17/2013	Evidence of Overflow	Other Debris	0.01	None	4023 Loch Raven Blvd	21218
5/20/2013	64	Roots	0.01	Jones Falls	503 Edgevale Rd	21210
5/20/2013	Evidence of Overflow	Roots	0.01	None	2656 Miles Ave	21211
5/20/2013	Evidence of Overflow	N/A	0.01	None	4707 Frederick Ave	21229
5/21/2013	Evidence of Overflow	Roots, Other Debris	0.05	None	2712 Cylburn Ave	21215
5/21/2013	Evidence of Overflow	Roots, Grease	0.05	None	3912 Liberty Heights Ave	21207
5/21/2013	Evidence of Overflow	Rags, Grease	0.05	None	3400 Park Heights Ave	21215
5/21/2013	4850	Rags, Trash	0.05	None	5008 Loch Raven Blvd	21239
5/22/2013	Evidence of Overflow	Roots	0.02	None	2313 Hamilton Ave	21214

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2013

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
5/25/2013	Evidence of Overflow	Grease	0.00	None	1227 Bentalou St	21216
5/26/2013	600	Roots, Grease	0.00	Jones Falls	4307 N Charles St	21218
5/26/2013	21775	Grease	0.00	Jones Falls	4700 Falls Rd	21209
5/27/2013	Evidence of Overflow	Grease, Trash	0.00	None	2308 Pennyroyal Ter	21209
5/27/2013	200	Rags, Roots	0.00	Jones Falls	4303 N Charles St	21218
5/27/2013	Evidence of Overflow	Rags, Roots, Other Paper	0.00	None	1329 Medfield Ave	21211
5/29/2013	30	Rags, Grease	0.00	None	2019 Barclay St	21202
5/30/2013	Evidence of Overflow	Rags, Other Debris	0.00	None	1714 N Calhoun St	21217
5/30/2013	270	Rags, Grease, Trash	0.00	Northwest Passage	6210 Holabird Ave	21224

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2013

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
6/1/2013	198	Rags, Grease	N/A	Jones Falls	2211 Division St	21217
6/3/2013	Evidence of Overflow	Rags	N/A	None	207 N Castle St	21231
6/3/2013	Evidence of Overflow	Other: Mud	N/A	None	2201 Westfield Ave	21214
6/4/2013	Evidence of Overflow	Roots	N/A	None	2509 Marbourne Ave	21230
6/4/2013	Evidence of Overflow	Rags	N/A	None	2819 Westfield Ave	21214
6/4/2013	Evidence of Overflow	Rags	N/A	None	3624 Roland Ave	21211
6/5/2013	Evidence of Overflow	N/A	N/A	None	3119 Baker St	21216
6/5/2013	Evidence of Overflow	Other Debris	N/A	None	3208 Taney Rd	21215
6/6/2013	60	Power Loss	N/A	None	1704 Rogers Ave	21215
6/7/2013	28500	Sump, Other: Pipe Break	N/A	Jones Falls	110 W 39th St	21210
6/7/2013	Evidence of Overflow	Roots	N/A	None	1808 Fairbank Rd	21209
6/7/2013	960	Rags, Grease	N/A	Dundalk	3101 Pulaski Hwy	21224
6/7/2013	3825	Roots	N/A	Jones Falls	666 E 27th St	21218
6/8/2013	Evidence of Overflow	N/A	N/A	None	1802 Guilford Ave	21211
6/8/2013	1422	Grease, Trash	N/A	Herring Run	3701 Erdman Ave	21213
6/9/2013	Evidence of Overflow	N/A	N/A	None	666 E 27th St	21213
6/10/2013	Evidence of Overflow	Heavy Rain	N/A	Gwynns Falls	4400 Kathland Ave	21217
6/11/2013	Evidence of Overflow	Pipe Break	N/A	None	620 E 30th St	21218
6/11/2013	Evidence of Overflow	Heavy Rain	N/A	Jones Falls	1901 Falls Rd	21211
6/11/2013	47.5	Rags, Roots	N/A	Inner Harbor	2525 Insulator Dr	21230
6/11/2013	Evidence of Overflow	Heavy Rain	N/A	Gwynns Falls	2920 Benson Ave	21223
6/11/2013	Evidence of Overflow	Other Debris	N/A	N/A	3008 Wilkens Ave	21223
6/11/2013	560	Rags, Other Debris	N/A	Jones Falls	4209 Wickford Ave	21210
6/11/2013	Evidence of Overflow	Rags, Heavy Rain, Other Debris	N/A	None	540 Hurley Ave	21223
6/12/2013	Evidence of Overflow	N/A	N/A	None	1945 W Lafayette Ave	21217
6/12/2013	60	Roots, Grease	N/A	N/A	2105 Erdman Ave	21218
6/13/2013	5750	Other, Debris	N/A	Jones Falls	119 Overhill Ave	21210
6/13/2013	Evidence of Overflow	Other Improper Installation	N/A	Inner Harbor	412 George St	21201
6/14/2013	Evidence of Overflow	N/A	N/A	None	508 Hanover St	21201
6/14/2013	485	Grease	N/A	Inner Harbor	Key Hwy & Webster St	21230
6/15/2013	Evidence of Overflow	Grease	N/A	N/A	201 E 31st St	21218
6/16/2013	375	Rags, Roots	N/A	N/A	1236 Braddish Ave	21216
6/16/2013	Evidence of Overflow	Rags, Other, Debris	N/A	N/A	1415 Clarkson St	21230
6/17/2013	Evidence of Overflow	Roots	N/A	N/A	501 E 36th St	21218
6/18/2013	Evidence of Overflow	Roots	N/A	N/A	1112 Wood Heights Ave	21211
6/18/2013	Evidence of Overflow	Rags	N/A	Baltimore Harbor	1937 E North Ave	21213
6/20/2013	Evidence of Overflow	Roots	N/A	N/A	810 Glen Allen Dr	21229
6/20/2013	50	Rags, Grease	N/A	Herring Run	1625 Stonewood Rd	21239
6/20/2013	4690	Rags, Roots	N/A	Gwynns Falls	1008 Poplar Hill Rd	21210
6/20/2013	525	Grease, Other, Debris	N/A	Jones Falls	1100 E 20th St	21202
6/20/2013	465	Rags, Grease	N/A	Jones Falls	Ensor St & E Madison St	21202

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending June 30, 2013

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
6/23/2013	600	Rags, Grease	N/A	Patapsco	3100 S Hanover St	21225
6/24/2013	Evidence of Overflow	Roots	N/A	N/A	2016 E 31st St	21218
6/26/2013	Evidence of Overflow	N/A	N/A	N/A	1937 E North Ave	21213
6/26/2013	425	Rags, Grease	N/A	Dundalk	5423 O'Donnell St	21224
6/28/2013	189	Rags, Roots	N/A	Jones Falls	Alpine Rd & Wilmslow Rd	21210
6/29/2013	Evidence of Overflow	Rags	N/A	N/A	2863 Maudlin Ave	21230
Notes:						
1. Unknown Quantity - When DPW visited the site, the problem had already subsided, but the source of discharge was evident. 2. Traces of sewage were evident but SSO had subsided prior to arrival at the site. 3. N/A- Not Available (March Rain Gauge data not available at time of this report.)						

Updated through June 30, 2013

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 (8)	Measures Taken to Identify Source or Resolve	Future/Planned Work
1	11/30/2007	Mannasota & Shannon	21213	Herring Run	Not Resolved	On-going	5,567,257 T	City had on-call contractor cap the underdrain to resolve the SDUO, but the sewage was hydraulically forced into the storm drain pipe. Cap was removed. Investigation ongoing. Field work was performed to expose underdrain at two locations	Further investigation with dye testing and ammonia testing is scheduled for next quarter .
2	4/11/2007	6225 York Rd behind Walker Mews Apartment Building	21212	Herring Run	Not Resolved	On-going	1,986,157 T	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.
14	9/18/2007	JHU Campus	21218	Jones Falls	Not Resolved	On-going	2,495,428 T	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 is closely tracking progress in resolving this issue. The City will inform JHU that the recent repairs were not successful and refer to HCD.
20	7/5/2006	W. 24th & Morton St.	21218	Jones Falls	Not Resolved	On-going	2,453,760 A	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.	City pursuing private owners.
32	5/19/2009	4016-4018 Rogers Ave. - Rogers Post Apartments	21207	Gwynns Falls	Not Resolved	On-going	754,465 T	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.	City scheduling site testing with property owner.
33	6/25/2009	Cross Country Blvd & Crest Rd.	21209	Jones Falls	Not Resolved	On-going	2,106,416 T	Confirmatory testing has shown that this SDUO is not resolved. Final section of pipe repaired. Flow and concentration reduced significantly, but not eliminated.	Recommended for lining/rehabilitation.
34	7/17/2009	Pall Mall Rd & Oswego Ave	21215	Jones Falls	Not Resolved	On-going	727,776 T	Property with illicit connection to storm drain has been identified. Notified HCD/HABC of a violation, and notice was issued 01/10/11.	Continue coordination with HCD continues to check when this connection will be re-routed by the owner. Once complete, follow up testing will be carried out.
38	11/6/2009	3302 Esther Place (inside 54"storm drain)	21212	Inner Harbor	Not Resolved	On-going	767,232 T	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.	Follow up with HCD to check when this connection will be re-routed by the owner. Once complete, follow up testing will be carried out.



Updated through June 30, 2013

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40	5/26/2010	Cross Country & Chillham Rd (300 ft northeast of intersection in am uncharted 15" Storm Drain)	21209	Western Run	Not Resolved	On-going	46,094 T	Verified as SDUO site by ammonia field test and dye test completed on May 26, 2010.	UES is addressing this site as part of the overall Consent Decree CIP.
42	6/3/2010	Cross Country & Key Ave (Storm Drain MH with sewage in bottom)	21215	Western run	Not Resolved	On-going	161,712 T	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
48	8/4/2010	3412 - 3418 Glenmore Ave	21214	Moores Run to Herring Run	Not Resolved	On-going	534,744 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. Dye testing performed June 2013.	Investigation ongoing.
51	9/9/2010	Barre St. near Sterrett	21203	Inner Harbor	Not Resolved	On-going	26,515 A	Investigation ongoing. UES in the process of notifying HCD to process a Violation Notice.	Continue to coordinate and track progress by HCD.
52	11/17/2010	39th & University Pkwy	21218	Jones Falls	Not Resolved	On-going	623,384 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.	Retest upon completion of relining.
53	5/12/2011	Dale Rd. at Crest Rd.	21209	Jones Falls	Resolved	775	112,320 T	Inlet was unearthed on 7/19/11 and unidentified pipe was discovered. Attempt on 11/17/11 to CCTV was unsuccessful. Identified house connection for dye testing. Dye testing confirmed house connection is connected to drain.	Property owner notified and waiting for response. Site abated as of 6/25/2013.
55	8/10/2011	Mannasota & Parkside	21206	Herring Run	Not Resolved	Resolved	25,533 T	Sewage is infiltrating the storm entering storm drain at Cyburn Ave. On 7/26/2011, on-call consultant recommended the sewer line be CIPP lined. Site lined, but follow-up testing documented ammonia.	Under renewed investigation.
56	8/23/2011	Clifton Road between Fairfax and Westchester Roads	21216	Gwynns Falls	Not Resolved	On-going	643,789 T	During field investigation of a 24" drain, an unidentified pipe (18" drain) was found to be carrying flow. A new manhole was constructed on 9/28/2011 to provide access to the 18" drain. The on-call contractor attempted to clean and CCTV from the manhole to the 18" drain but discovered that the pipe was full of debris, roots and broken. New MH installed.	Additional dye testing to be scheduled.

Updated through June 30, 2013

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 (8)	Measures Taken to Identify Source or Resolve	Future/Planned Work
57	8/31/2011	Seabury & Hillview	21225	Patapsco	Not Resolved	On-going	345,355 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.	The manhole in question needs to be rehabbed
59	11/22/2011	Fairmount and Bradford	21224	Inner Harbor	Not Resolved	On-going	53,056 A	Performed dye test, excavated drain and performed CCTV. New manhole built.	Further investigation and development of recommendations.
62	1/27/2012	JHU - Remsen Hall	21218	Johns Falls	Not Resolved	On-going	182,940 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.	JHU is proceeding with repairs with repairs. The City will inform JHU that the recent repairs were not successful and refer to HCD.
63	12/2/2011	Pinkney & Winner	21215	Johns Falls	Not Resolved	On-going	89,986 T	CIPP Lining recommended.	Retest upon completion of relining. Work to be performed under CD project.
66	10/11/2012	McMechen & Jordan	21217	Jones Falls	Not Resolved	On-going	1,848,672 T	Dye test program and CCTV performed.	Need to install new MH to continue investigation.
67	9/26/2012	McMechen & Brevard	21217	Jones Falls	Not Resolved	On-going	27,846 T	Dye testing performed.	Under Investigation
68	10/11/2012	Mason & McMechen	21217	Jones Falls	Not Resolved	On-going	9,432 T	Dye test program and CCTV performed.	Need to install new MH to continue investigation.
69	12/4/2012	Fait & Grundy	21224	Inner Harbor	Not Resolved	On-going	11,981 T	Heavy cleaning and CCTV performed.	Need to install new MH to continue investigation.
70	12/5/2012	Haven & Bank	21224	Inner Harbor	Not Resolved	On-going	7,452 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	54,720 A	Visual inspection and dye test performed.	Under Investigation
72	2/13/2013	Fairway Ridge Apts.	21207	Gwynns Falls	Not Resolved	On-going	10,125 A	Dye testing confirmed private connections. Property owner notified.	Follow up with property owner to confirm repair.
73	3/1/2013	230 N. Franklintown Rd.	21223	Gwynns Falls	Not Resolved	On-going	50,957 A	Dye testing performed.	Follow-up dye testing scheduled.
74	3/12/2013	3801 Pulaski Hwy - Hebrew Friendship Cemetery	21224	Inner Harbor	Not Resolved	On-going	83,468 A	Dye testing and inspection performed.	Recommended for lining/rehabilitation. Recommendation was forwarded to UAMD for implementation

Updated through June 30, 2013

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75	4/3/2013	Pulaski Hwy. & Dean St.	21224	Inner Harbor	Not resolved	On-going	3,460 A	Dye testing and inspection performed.	Recommended for lining/rehabilitation. Recommendation was forwarded to UAMD for implementation
76	5/22/2013	Nuth Ave, off of Frankford Ave.	21213	Herring Run	Not resolved	On-going	1,060 T	Dye test program, and CCTV, planned.	Under Investigation

SDUO Site abated
SDUO Site on Private Property

SDUO Summary:

1. Total SDUO Sites Documented: **78**

2. Total SDUO Sites Resolved: **48 (62% Complete)**

3. Total Active SDUO Sites on Private Property: **11**

4. Total SDUO Sites Unresolved: **30 (38% Open)**

5. New SDUO Sites documented in the last Quarter: **3 (Including reintroduced Site 55 based on recent testing)**

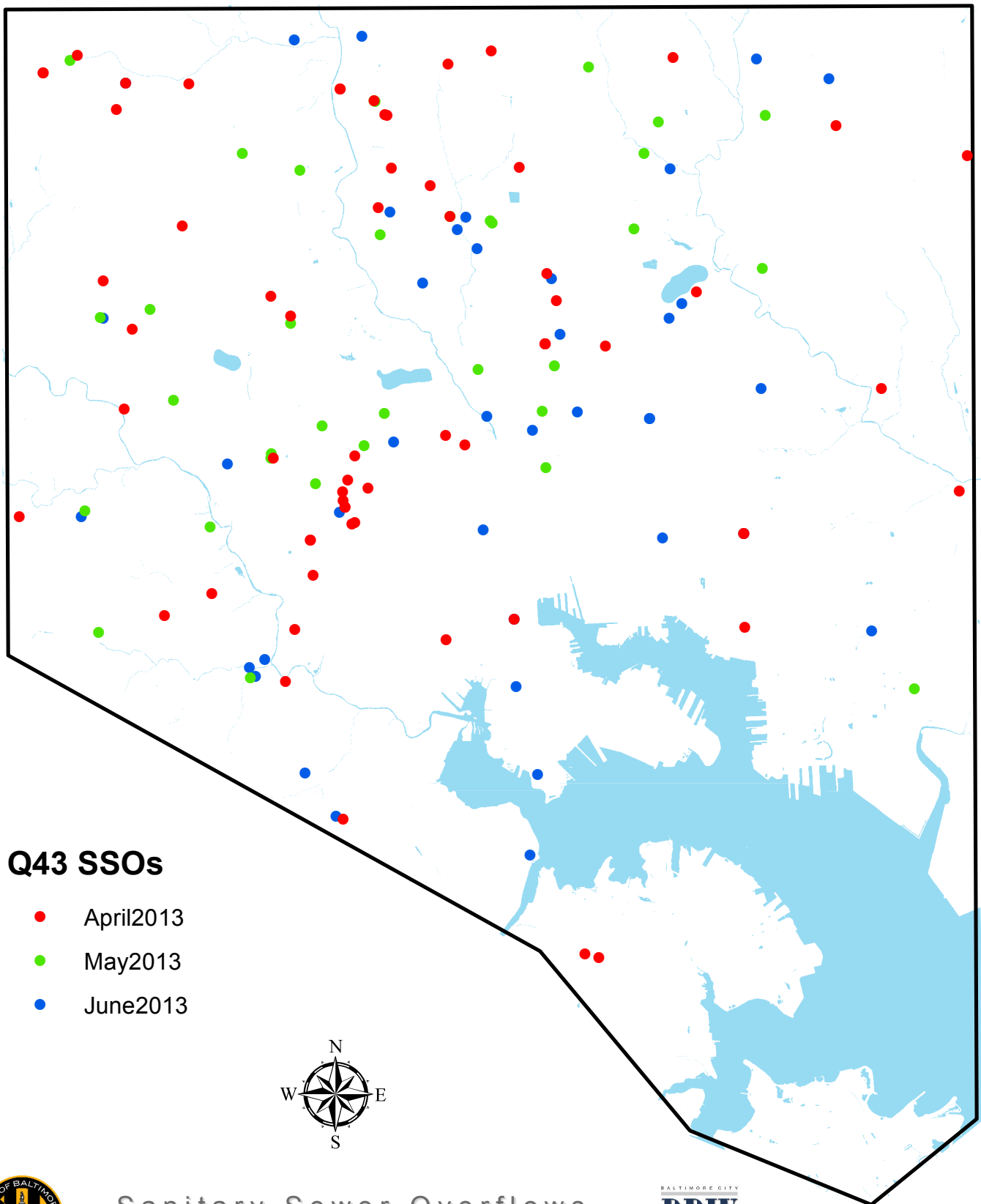
6. Under the column entitled "Date of Resolution", if the note reads Not Resolved an end date of 06/30/2013 was used to determine the quantity of discharge up to that point.

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.



Q43 SSOs

- April2013
- May2013
- June2013



Sanitary Sewer Overflows
April 2013 - June 2013



Updated: July 2013