

CITY OF BALTIMORE

STEPHANIE RAWLINGS-BLAKE, Mayor



DEPARTMENT OF PUBLIC WORKS

BUREAU OF WATER AND WASTEWATER
300 Abel Wolman Municipal Building
Baltimore, Maryland 21202

January 28, 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. 41
For Calendar Quarter Ending December 31, 2012**

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. 41, for the Calendar Quarter ending December 31, 2012.

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January 28, 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. 41
For Calendar Quarter ending December 31, 2012

*Submitted:
January 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 December 31, 2012, 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 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 awarded on September 26, 2012, and Notice to Proceed is scheduled for February 4, 2013.**

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 December 31, 2012, 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		
			October	November	December
7	4	Lower Jones Falls Interceptor	1	1	1
8	5	Stony Run Interceptor & P.S.	1	1	1
10	7	Greenmount Interceptor	1	1	1
		Total	3	3	3

A summary of rainfall and flow monitoring data collected during September, October, and November 2012, 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 December 31, 2012, the flow monitoring continues at 9 meter locations throughout the City, including a long term monitoring program.

E. Long-Term Capacity/Peak Flow Management: During the calendar quarter ending December 31, 2012, 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 10th, 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 n on December 31, 2012.

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 December 31, 2012, 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 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 December 31, 2012, 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 December 31, 2012, 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 December 31, 2012, 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 December 31, 2012, 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 December 31, 2012, 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 December 31, 2012, 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 December 31, 2012.

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 December 31, 2012, 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.

Paragraph 14: Information Management System Program

- A. During the calendar quarter ending December 31, 2012, 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 December 31, 2012. 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 December 31, 2012, 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 December 31, 2012 is provided in Appendix 5.
- B. During the calendar quarter ending December 31, 2012, 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 December 31, 2012, 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 December 31, 2012, 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 December 31, 2012, SC 845 - 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 852 - 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. The estimated construction completion date is July 2013.**

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 December 31, 2012, this contract was advertised on April 30, 2010, and bids were due on September 30, 2010. The construction NTP was issued on February 22, 2011. **This project is currently in the construction phase. The estimated construction completion date is May 2013.**

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

As of the calendar quarter ending December 31, 2012 the City of Baltimore has updated the Sanitary Discharges of Unknown Origin (SDUO) tracking sheet to the Quarterly Report per the requirements of the policy letter by EPA and MDE dated March 31, 2009. The details of these sites are located in the SDUO tracking sheets in Appendix 5.

The City provided a response to MDE/EPA and requested additional time to research and develop possible methods of quantifying SDUOs in a letter dated April 30, 2009. The City submitted the SDUO Quantification Protocol to MDE and EPA for review, comments and approval on August 06, 2009. EPA/MDE issued a SDUO Quantification Protocol comment letter on December 21, 2009. The City of Baltimore issued a response letter to EPA/MDE on February 16, 2010. EPA/MDE approved the quantification protocol on October 12, 2010, and requested that the City apply the protocol to all resolved and outstanding SDUO sites since October 30, 2008, and to all future SDUOs. The City submitted a final approved copy of the SDUO Quantification Protocol to MDE/EPA on November 18, 2010 and sent in the application of the SDUO Protocol on December 28, 2010.

APPENDIX 1

STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS

APPENDIX 1
STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS
As of December 31, 2012

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

Note: Shaded date cells indicate completion.

APPENDIX 1
STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS
As of December 31, 2012

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

Note: Shaded date cells indicate completion.

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

APPENDIX 2

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of December 31, 2012

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	Repair and rehabilitation of sanitary sewer and manholes in the Maryland Ave sub-sewershed of the Jones Falls Sewershed.	11/04/11 (A)	04/30/13 (P)	10/30/14 (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.
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)	06/25/2012 (A) terminated	N/A	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.
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. NTP will be issued on 2/4/2013.

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

January-13

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

APPENDIX 4

PUMPING STATION WORK ORDERS

Completed/Issued W/O Report
CORRECTIVES & MODS Oct. 1, 2012 - --> Brooklyn Dundalk Eastern Ave
Pumping Stations Dec. 31, 2012 --> Jones Falls Locust Pt. McComas St.
--> Quad Avenue Westport

QUERY NAME WOCOMPSSAL
LIBRARY NAME MONTHLYRUN

FILE	LIBRARY	MEMBER	FORMAT
WST00	WTS81OF	WST00	WST00R
EDNST	WTS81OF	EDNST	EDNSTR
WST31	WTS81OF	WST31	WST31R
DCCTL	WTS81OF	DCCTL	DCCTLR
ETEXTS	WTS81OF	ETEXTS	ETEXTR

DATE 01/23/13
TIME 09:40:18

Compltd/Issued Rpt.-Pumping Stations only(0)

Co. No.	Area	W/O Loc. Number	Machine Number	Machine Description	W/O Sts	Full Problem Prty Code	Req. By	Craft Code	W/O Emplt Date	W/O Issue Date	Station Class
11	PUMPING ST BRKLYN	12.81834	951000	FACILITY,BROOKLYN PUMPING	30	4	stielperc 64972	CS	BLDG	20121217	20111214
		13.80621	2 955201	HEATER,HOT WATER(30 GAL)	25	4	heater stielperc 64972	CS	ELCPS	20121001	20121001
		13.80621	1 955201	HEATER,HOT WATER(30 GAL)	25	4	heater stielperc 64972	CS	BLDG	20121001	20121001
		13.80627	951000	FACILITY,BROOKLYN PUMPING	30	4	stielperc 64972	CS	MCNPS	20121003	20121003
		13.80642	953101	SCREEN,MECHANICAL BAR	30	4	stielperc 64972	CS	MCNPS	20121011	20121010
		13.80651	955701	PREVENTER,BACKFLOW 3"(BAS	25	4	RED-BY: T.GEORGE 6-9704	TG	PENG	20121015	20121015
		13.80676	955101	GENERATOR,EMERGENCY SET	30	2	RED BY C.STIELPER	CS	ELCPS	20121029	20121029
		13.80684	951000	FACILITY,BROOKLYN PUMPING	25	4	RED BY C.STIELPER	CS	PENG	20121030	20121030
		13.80709	952301	PUMP,VACUUM #1	30	30	sullivan	US	MCNPS	20121113	20121113
		13.80710	2 952602	PUMP,#2 SEAL WATER	30	4	making noise stielperc 64972	CS	MCNPS	20121113	20121113
		13.80710	1 952602	PUMP,#2 SEAL WATER	30	4	making noise stielperc 64972	CS	ELCPS	20121113	20121113
		13.80722	951000	FACILITY,BROOKLYN PUMPING	25	4	RED BY R BARTON JR	RB-J	INSPS	20121127	20121127
		13.80722	951000	FACILITY,BROOKLYN PUMPING	25	4	RED BY R BARTON JR	RB-J	PM	20121127	20121127
		13.81382	952801	TANK,HYDRO-PNEUMATIC SEAL	30	4	stielperc 64972	CS	MCNPS	20121228	20121227
Location BRKLYN: COUNT 14											
DUNDAL	10.83917	2	941000	FACILITY,DUNDALK PUMPING	30	4	CONTROL FOR EACH VACUUM PUMP SEAL WATER SUPPLY.	MKA	PENG	20121218	20100617
	12.80866		943101	SCREEN,#1 BAR	30	4	stielperc 64972	CS	ELCPS	20121211	20110930
	12.83340	2	943102	SCREEN,#2 BAR	30	4	stielperc 64972	CS	MCNPS	20121213	20120524
	12.83575		943302	MOTOR,BAR SCREEN #2	30	4	stielperc 64972	CS	ELCPS	20121207	20120607
	12.83582	2	947504	FAN,PRV-4 WET WELL EXHAUS	30	4	stielperc-64972	CS	HA	20121212	20120615
	13.80623		941000	FACILITY,DUNDALK PUMPING	30	4	stielperc 564972	CS	ELCPS	20121003	20121003
	13.80629		940017	MONITOR,GAS	30	4	RED BY R BARTON JR	RB-J	INSPS	20121204	20121003
	13.80634		944603	PUMP,VACUUM #3	30	30	stielperc 64972	CS	MCNPS	20121005	20121004
	13.80635		941103	PUMP,SEWAGE #3	25	4	stielperc 64972	CS	MCNPS	20121004	20121004
	13.80640		941103	PUMP,SEWAGE #3	30	4	.BY M.HOOKS 69701	WH	MCNFB	20121010	20121010
	13.80650		940002	FLOW INDICATING RECORDER/	30	4	stielperc 64972	CS	INSPS	20121015	20121015
	13.80671		940029	BUBBLER/WET WELL	30	30	sullivan	US	INSPS	20121030	20121029
	13.80673		944000	UNIT,RADAR #1,BARSCREEN	30	30	sullivan	US	INSPS	20121030	20121029
	13.80674		945101	GENERATOR,EMERGENCY SET	30	2	RED BY C.STIELPER	CS	ELCPS	20121029	20121029
	13.80683		941000	FACILITY,DUNDALK PUMPING	25	4	RED BY C.STIELPER	CS	PENG	20121030	20121030
	13.80712	1	940002	FLOW INDICATING RECORDER/	30	4	stielperc 64972	CS	ELCPS	20121115	20121113
	13.80712	2	940002	FLOW INDICATING RECORDER/	30	4	stielperc 64972	CS	INSPS	20121115	20121113
	13.80716		943301	MOTOR,BAR SCREEN #1	25	30	alarm 64972	CS	ELCPS	20121119	20121119
	13.81358		943102	SCREEN,#2 BAR	30	4	69701	WH	PM	20121218	20121206
	13.81361	2	941204	MOTOR,SEWAGE PUMP #4	30	30	to determine source of noise cs64972	CS	MCNPS	20121211	20121210
	13.81361	1	941204	MOTOR,SEWAGE PUMP #4	30	30	to determine source of noise cs64972	CS	ELCPS	20121211	20121210
	13.81362		947505	FAN,PRV-5 EXHAUST (ROOF)	30	4	requester R Slayton 6-9748	RLS	HA	20121212	20121211
	13.81362		947505	FAN,PRV-5 EXHAUST (ROOF)	30	4	requester R Slayton 6-9748	RLS	ELCPS	20121212	20121211
	13.81363		947504	FAN,PRV-4 WET WELL EXHAUS	30	4	requester r Slayton 6-9748	RLS	ELCPS	20121212	20121211
	13.81363		947504	FAN,PRV-4 WET WELL EXHAUS	30	4	requester r Slayton 6-9748	RLS	HA	20121212	20121211
	13.81377		940002	FLOW INDICATING RECORDER/	25	4	stielperc 64972	CS	INSPS		20121226

Location DUNDAL:
COUNT 26

Co. No.		Area	Loc.	W/O Number	Machine Number	Machine Description	W/O Sts	Full Problem	Req. By	Craft Code	WO Cmpl't Date	WO Issue Date	Shdn Class
11		PUMPING ST	EASTER	12.81221	912505	MOTOR,VACUUM PUMP #5	30	4	stielperc 64972	CS	ELCPS 20121221	20111024	
				13.80014	913102	SCREEN,BAR (SOUTH)	30	4	OKKS 69701	WH	MCHPS 20121119	20120716	
				13.80016	913102	SCREEN,BAR (SOUTH)	30	4	S.69701	WH	ELCPS 20121121	20120718	
				13.80616	913102	SCREEN,BAR (SOUTH)	30	4	E NEED 15 SETS. REQ. BY W.HOOKS 69701	WH	MCHFB 20121029	20120926	
				13.80619	915603	CONDITIONER,AIR#3	30	4	stielperc 64972	CS	HA 20121002	20120928	
				13.80624	915203	PUMP,#1 CHILLED WATER	30	4	stielperc 64972	CS	MCHPS 20121005	20121003	
				13.80628	1	915418 AIR HANDLING UNIT #2 (NEW)	25	4	stielperc 64972	CS	HA 20121003	20121003	
				13.80628	2	915418 AIR HANDLING UNIT #2 (NEW)	30	4	stielperc 64972	CS	PENG 20121224	20121003	
				13.80631	910017	COMBUSTIBLE GAS ALARM	25	4	REQ BY R BARTON JR	RB-J	INSPS 20121004	20121004	
				13.80637	916009	ALARM,MAIN FIRE (GENERATO	30	4	see chris 64972	CS	ELCPS 20121113	20121005	
				13.80638	915413	HEATER,UNIT #1	30	3D	stielperc 64972	CS	HA 20121010	20121009	
				13.80641	915201	PUMP,RECIRC.#1(BOILER)	30	4	stielperc 64972	CS	MCHPS 20121009	20121010	
				13.80644	911105	PUMP,SEWAGE #5	30	4	HOUSING} STIELPER 64972	CS	MCHPS 20121015	20121011	
				13.80645	912603	PUMP,SEAL WATER #3	30	4	LINE STIELPER 64972	CS	MCHPS 20121011	20121011	
				13.80646	911105	PUMP,SEWAGE #5	30	4	STIELPER64972	CS	PM 20121011	20121011	
				13.80649	2	911000 FACILITY,EASTERN AVENUE	30	3D	stielper 64972	CS	MCHPS 20121016	20121015	
				13.80653	915415	HEATER,UNIT #3(3RD FLOOR)	25	4	stielperc 764972	CS	HA 20121016	20121016	
				13.80655	911106	PUMP-STANDBY SEWAGE	25	4	stielperc 64972	CS	MECH 20121018	20121018	
				13.80656	919034	DUMFSTER,(NORTH)	30	4	stielperc 64972	CS	MCHFB 20121018	20121018	
				13.80660	911000	FACILITY,EASTERN AVENUE	30	4	stielperc64972	CS	MCHPS 20121019	20121019	
				13.80663	5255	PUMP 4"DIESEL ON TRAILER	30	4	stielper 64972	CS	MCHPS 20121023	20121023	
				13.80669	916000	BUILDING,EMER.GENERATOR	30	3D	REQ BY C.STIELPER	CS	ELCPS 20121026	20121026	
				13.80670	911000	FACILITY,EASTERN AVENUE	30	3D	(WEST) IN BOILER ROOM	CS	MCHPS 20121101	20121026	
				13.80677	910030	BARSCREENS HUBBLER	30	2	REQ BY C.STIELPER	CS	INSPS 20121026	20121029	
				13.80678	911000	FACILITY,EASTERN AVENUE	30	2	REQ BY C.STIELPER	CS	MCHPS 20121102	20121029	
				13.80694	915414	HEATER,UNIT #2	25	4	stielperc 64972	CS	HA 20121105	20121105	
				13.80698	2	915501 FAN,EXHAUST #1	30	4	stielperc64972	CS	HA 20121115	20121107	
				13.80698	1	915501 FAN,EXHAUST #1	30	4	stielperc64972	CS	ELCPS 20121109	20121107	
				13.80701	911000	FACILITY,EASTERN AVENUE	25	4	stielper 64972	CS	MCHPS 20121108	20121108	
				13.80704	911106	PUMP-STANDBY SEWAGE	25	4	stielperc 64972	CS	MCHPS 20121109	20121109	
				13.80705	910009	TRANSMITTER, PRESSURE	30	4	reading stielperc 64972	CS	INSPS 20121109	20121109	
				13.80711	1	911000 FACILITY,EASTERN AVENUE	25	4	check for leaks stielperc 64972	CS	HA 20121113	20121113	
				13.80711	2	911000 FACILITY,EASTERN AVENUE	25	4	check for leaks stielperc 64972	CS	PENG 20121113	20121113	
				13.80713	918922	GENERATOR,FORTABLE(STORER	30	4	for vans 2020 and 2060 requestar r slayton 69748	MLS	ELCPS 20121113	20121113	
				13.80720	911000	FACILITY,EASTERN AVENUE	30	4	stielperc 64972	CS	ELCPS 20121127	20121126	
				13.80721	911000	FACILITY,EASTERN AVENUE	30	4	stielper 64972	CS	ELCPS 20121127	20121126	
				13.80725	911000	FACILITY,EASTERN AVENUE	30	3D	sullivan van 6-4972	US	ELCPS 20121127	20121127	
				13.81370	913101	SCREEN,BAR (NORTH)	25	4	stielperc 64972	CS	MCHPS 20121217	20121217	
				13.81375	916211	GENERATOR,EMER.SET #1(GEN	30	3D	stielperc 64972	CS	ELCPS 20121220	20121219	
				13.81379	916526	PANEL,ATMOSPHERE	25	3D	when energized 64972	CS	ELCPS 20121226	20121226	

Location: EASTER:
COUNT 40

JF	11.81290	2	921000	FACILITY,JONES FALLS	30	4	horn into pump room stielper 64972	CS	PENG	20121025	20101015	
	13.80604	1	921000	FACILITY,JONES FALLS	30	4	stielperc 64972	CS	BLDG	20121217	20120917	
	13.80633		920017	MONITOR,WET WELL GAS(MEZZ	30	4	REQ BY R BARTON JR	RB-J	INSPS	20121124	20121004	
	13.80639		920018	BUBBLER,(WETWELL)	30	4	stielperc 64972	CS	INSPS	20121012	20121010	

Locations: BROOKLYN DUNDAS EASTERN AS OF 01/23/13												
Pumping Station												
JF LOCP0 MCST QUAD WSTPT												
Co. No.	Area	Loc. Number	Machine Number	Machine Description	W/O Sts	Full Problem	Req. By	Craft Code	W/O Cmpplt Date	W/O Issue Date	Shutdown Class	
11 PUMPING ST JF												
		13.80652	923201	PREVENTER, BACKFLOW (BASED)	25	4	RED BY T. GEORGE 6-9704	TG	FEHG		20121015	
		13.80661	925731	DUMPSTER, JF2001 (SCREEN RM	25	4	stiel-perc 64972	CS	MCHFB		20121022	
		13.80662	921000	FACILITY, JONES FALLS	30	4	stielperc 64972	CS	MCHPS	20121025	20121023	
		13.80700	2 921000	FACILITY, JONES FALLS	30	4	stielperc 64972	CS	MCHFB	20121122	20121108	
		13.80700	1 921000	FACILITY, JONES FALLS	30	4	stielperc 64972	CS	BLDG	20121121	20121108	
		13.81366	920027	LOOP 021, MET WELL #1 (EAST)	30	4	stielperc 64972	CS	INSPS	20121212	20121213	
		13.81367	921000	FACILITY, JONES FALLS	30	4	stielperc 64972	CS	BLDG	20121220	20121213	
		13.81376	2 925701	HEATER, WATER	25	3D	stielperc 64972	CS	ELCPS		20121220	
		13.81376	1 925701	HEATER, WATER	25	3D	stielperc 64972	CS	BLDG		20121220	
Location JF:												
COUNT 13												
LOCP0												
		12.81520	987102	FAN, MET WELL	30	3D	Sullivan 6-4972	US	ELCPS	20121005	20111130	
		13.80699	2 985202	MOTOR, SEWAGE PUMP B	30	4	RED BY K. KUBSKI	KK	MCHPS	20121107	20121107	
		13.80699	1 985202	MOTOR, SEWAGE PUMP B	25	4	RED BY K. KUBSKI	KK	ELCPS		20121107	
Location LOCP0:												
COUNT 3												
MCST												
		13.80630	975017	MONITOR, MULTI-GAS SYSTEM	25	4	RED BY R BARTON JR	RBJ	INSPS		20121003	
		13.80657	975000	FACILITY, MCOMMS	25	4	RED BY R BARTON JR	RBJ	INSPS		20121018	
		13.80718	975029	BUBBLER	30	3D	Sullivan 6-4972	US	INSPS	20121121	20121121	
Location MCST:												
COUNT 3												
QUAD												
		13.80632	930018	DETECTOR, MET WELL GAS	30	4	RED BY R BARTON JR	RBJ	INSPS	20121130	20121004	
		13.80643	937121	VFD, #1 PUMP	25	4	Job ZB525 requester r slayton 6-9748	RLS	ELCPS		20121011	
		13.80654	2-933101	SCREEN, BAR	30	3D	stiel-perc 64972	CS	MCHPS	20121017	20121016	
		13.80654	1 933101	SCREEN, BAR	30	3D	stiel-perc 64972	CS	MCHFB	20121017	20121016	
		13.80679	937441	PANEL, BAR SCREEN CONTROL	25	3D	RED. BY J. NAROCK 6-9748	JCN	ELCPS		20121030	
		13.80680	937121	VFD, #1 PUMP	30	3D	RED. BY J. NAROCK 6-9748	JCN	ELCPS	20121030	20121030	
		13.80682	930029	BUBBLER SYSTEM	30	3D	Sullivan 6-4972	US	INSPS	20121102	20121030	
		13.80693	931201	MOTOR, #1 SEWAGE PUMP (SUBM	25	4	stielperc 64972	CS	ELCPS		20121102	
		13.80696	932103	VALVE, #3 PUMP-CONE (DISCHA	30	4	stielperc 64972	CS	MCHPS	20121109	20121105	
		13.80715	2 932102	VALVE, #2 PUMP CONE (DISCHA	30	4	corrsctly stielper 64972	CS	MCHPS	20121116	20121115	
		13.80715	1 932102	VALVE, #2 PUMP CONE (DISCHA	30	4	corrsctly stielper 64972	CS	ELCPS	20121116	20121115	
		13.80719	2-932102	VALVE, #2 PUMP-CONE (DISCHA	30	3D	proper operation stielperc 64972	CS	MECH	20121127	20121126	
		13.80719	2 932102	VALVE, #2 PUMP CONE (DISCHA	30	3D	proper operation stielperc 64972	CS	MCHPS	20121127	20121126	
		13.80719	1 932102	VALVE, #2 PUMP CONE (DISCHA	30	3D	proper operation stielperc 64972	CS	ELCPS	20121127	20121126	
		13.80719	1-932102	VALVE, #2 PUMP CONE (DISCHA	30	3D	proper operation stielperc 64972	CS	ELC	20121127	20121126	
		13.80723	931000	FACILITY, QUAD AVENUE	30	4	RED BY R BARTON JR	RBJ	PM	20121126	20121127	
		13.80723	931000	FACILITY, QUAD AVENUE	30	4	RED BY R BARTON JR	RBJ	INSPS	20121126	20121127	
		13.80726	937122	VFD, #2 PUMP	30	4	faults on # 2 pump recently installed requester r slayton	RLS	ELCPS	20121129	20121129	
		13.81067	1 937122	VFD, #2 PUMP	25	3D	RED BY K. KUBSKI	KB	ELCPS		20121204	
		13.81067	2 937122	VFD, #2 PUMP	30	3D	RED BY K. KUBSKI	KB	MCHPS	20121204	20121204	
		13.81357	932102	VALVE, #2 PUMP CONE (DISCHA	30	4	stielperc 74972	CS	MCHPS	20121206	20121205	

Co. No.	Area	Loc.	W/O Number	Machine Number	Machine Description	W/O Sts	Full Problem Prty Code	Req. By	Craft Code	WO Cmpl't Date	WO Issue Date	Shutdown Class
11	PUMPING ST QUAD		13.81359	932102	VALVE.#2 PUMP CONE(DISCHA	30	4 stielperc64972	CS	MCNPS	20121207	20121207	
			13.81360	933405	GATE,SGS #1 PUMP WET WELL	25	3D no control power 64972	CS	ELCPS	20121207	20121207	
			13.81371	937122	VFD,#2 PUMP	25	4 48700K requester r slayton 6-9748	ELS	ELCPS		20121218	
Location QUAD: COUNT 24												
WSTPT			13.80658	973607	PANEL,RTU	30	4 stielperc64972	CS	INSPS	20121019	20121019	
			13.80665	1 971101	PUMP,SEWAGE #1	30	4 inspection requester r slayton 6-9748	ELS	ELCPS	20121029	20121026	
			13.80665	2 971101	PUMP,SEWAGE #1	30	4 inspection requester r slayton 6-9748	ELS	MCNPS	20121026	20121026	
			13.80675	973401	GENERATOR,EMERGENCY SET	30	2 REQ BY C.STIELPER	CS	ELCPS	20121029	20121029	
			13.80714	973607	PANEL,RTU	30	4 stielperc 64972	CS	INSPS	20121119	20121114	
			13.80717	2 970004	CONTROLLER,PROGRAMABLE(PL	25	3D stielperc 64972	CS	INSPS		20121119	
			13.80717	1 970004	CONTROLLER,PROGRAMABLE(PL	30	3D stielperc 64972	CS	INST	20121120	20121119	
			13.80717	1 970004	CONTROLLER,PROGRAMABLE(PL	30	3D stielperc 64972	CS	ELCPS	20121120	20121119	
			13.80724	973101	HEATER,UNIT #1(BY GENERAT	30	3D check other units for proper heating.	US	ELCPS	20121121	20121127	
			13.80727	2 971000	FACILITY,WESTPORT	25	4 stielperc 64972	CS	PENG		20121129	
			13.81364	970004	CONTROLLER,PROGRAMABLE(PL	30	4 ATTN. GLEN SINGLE	RB-J	INST	20121211	20121211	
			13.81378	2 972201	MOTOR,BAR SCREEN	30	3D wont run stielperc 64972	CS	MCNPS	20121226	20121226	
			13.81378	1 972201	MOTOR,BAR SCREEN	25	3D wont run stielperc 64972	CS	ELCPS		20121226	

Location WSTPT:
COUNT 13

Cost Center PUMPING ST Work Orders
COUNT 136

Total Work Orders for 11:
COUNT 136

Pumping Station Issued Mike W/O's Locations:
OCT. 01,12 - DEC. 31,12 ----> Brooklyn Dundalk Eastern Ave
** PM only ** ----> Jones Falls Locust Point McComas St.
---->Quad Avenue Westport

QUERY NAME WOCOMPMSAL
LIBRARY NAME MONTHLYRUN

FILE	LIBRARY	MEMBER	FORMAT
WSMST00	MMS810F	WSMST00	WSMST00R
WSMST31	MMS810F	WSMST31	WSMST31R

DATE 01/23/13
TIME 09:32:29

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

01/23/13 09:32:29 Total Issued W/O's Mike Locations: WOCOMPMSAL
OCT. 01,12 -- DEC. 31,12 **BRKLYN DUNDAL EASTER JF** as of 09:32:29
PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 01/23/13

Co No	Cost Center	Cost Loc	Parent WO	W/O Suf	WO Sts	TYPE	WO Issue Date	WO Cmpl Date	Wrk Typ	Craft Code	Short Description
11	PUMPING ST BRKLYN	13.81031			30	P	20121203	20121214	PM	INSPS	INSPECTION
		13.81032			30	P	20121203	20121210	PM	INSPS	INSPECTION
		13.81033			30	P	20121203	20121210	PM	INSPS	INSPECTION
		13.81034			30	P	20121203	20121211	PM	INSPS	CHECK COMPONENTS
		13.81035			25	P	20121203		PM	INSPS	INSPECTION
		13.81036			30	P	20121203	20121211	PM	INSPS	INSPECTION
		13.81037			30	P	20121203	20121210	PM	INSPS	INSPECTION
		13.81038			30	P	20121203	20121210	PM	INSPS	CLEAN AND INSPECT
		13.81039			30	P	20121203	20121210	PM	INSPS	CLEAN AND INSPECT
		13.81077			25	P	20121204		PM	HA	CLEAN AND INSPECT
		13.81078			25	P	20121204		PM	HA	CLEAN AND INSPECT
		13.81079			25	P	20121204		PM	HA	INSPECT AIR FILTERS
		13.81079			25	P	20121204		PM	HA	INSPECT AIR FILTERS
		13.81080			25	P	20121204		PM	HA	CHANGE AIR FILTERS
		13.81205			25	P	20121204		PM	ELCPS	INSPECT AND CLEAN
		13.81206			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81207			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81208			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81209			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81210			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81211			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81212			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81213			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81214			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81215			25	P	20121204		PM	ELCPS	INSPECT AND CLEAN.
		13.81216			25	P	20121204		PM	ELCPS	INSPECT AND CLEAN.
		13.81217			25	P	20121204		PM	ELCPS	INSPECT AND CLEAN.
		13.81218			25	P	20121204		PM	ELCPS	INSPECT AND CLEAN.
		13.81219			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81220			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81221			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81222			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81223			25	P	20121204		PM	ELCPS	CLEAN, CHECK, LUBRICATE
		13.81223			25	P	20121204		PM	ELCPS	CLEAN, CHECK, LUBRICATE
		13.81224			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81225			25	P	20121204		PM	ELCPS	CLEAN, CHECK, LUBRICATE
		13.81225			25	P	20121204		PM	ELCPS	CLEAN, CHECK, LUBRICATE
		13.81226			25	P	20121204		PM	ELCPS	CLEAN, CHECK, LUBRICATE
		13.81226			25	P	20121204		PM	ELCPS	CLEAN, CHECK, LUBRICATE
		13.81227			25	P	20121204		PM	ELCPS	CLEAN, CHECK, LUBRICATE
		13.81227			25	P	20121204		PM	ELCPS	CLEAN, CHECK, LUBRICATE
		13.81228			25	P	20121204		PM	ELCPS	CLEAN, CHECK, LUBRICATE
		13.81228			25	P	20121204		PM	ELCPS	CLEAN, CHECK, LUBRICATE
		13.81229			25	P	20121204		PM	ELCPS	CLEAN & INSPECT
		13.81230			25	P	20121204		PM	ELCPS	CLEAN & INSPECT
		13.81231			25	P	20121204		PM	ELCPS	CLEAN & INSPECT
		13.81232			25	P	20121204		PM	ELCPS	CLEAN & INSPECT
		13.81233			25	P	20121204		PM	ELCPS	CLEAN & INSPECT

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

11	PUMPING ST BRKLYN	13.81234	25	P	20121204	PM	ELCPS	CLEAN AND INSPECT
		13.81234	25	P	20121204	PM	ELCPS	CLEAN AND INSPECT
		13.81235	25	P	20121204	PM	ELCPS	CLEAN AND INSPECT
		13.81235	25	P	20121204	PM	ELCPS	CLEAN AND INSPECT
		13.81236	25	P	20121204	PM	ELCPS	TEST AND INSPECT
		13.81237	25	P	20121204	PM	ELCPS	TEST AND INSPECT
		13.81238	25	P	20121204	PM	ELCPS	TEST AND INSPECT
		13.81239	25	P	20121204	PM	ELCPS	TEST AND INSPECT
		13.81240	25	P	20121204	PM	ELCPS	TEST AND INSPECT
		13.81241	25	P	20121204	PM	ELCPS	INSPECT AND LUBRICATE
		13.81351	25	P	20121204	PM	MCHPS	CLEAN VACUUM LINES
		13.81352	25	P	20121204	PM	MCHPS	CLEAN VACUUM LINES

Total W/O's for Location BRKLYN:
COUNT 108

DUNDAL	13.80664	30	P	20121025	20121022	PM	INSPS	INSPS-- DO PM'S AT STATION
	13.80816	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80817	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80818	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80819	25	P	20121203		PM	PM	TEST AND LUBRICATE
	13.80820	25	P	20121203		PM	PM	TEST AND LUBRICATE
	13.80821	25	P	20121203		PM	PM	TEST AND LUBRICATE
	13.80822	25	P	20121203		PM	PM	TEST AND LUBRICATE
	13.80823	25	P	20121203		PM	PM	TEST AND LUBRICATE
	13.80824	25	P	20121203		PM	PM	TEST AND LUBRICATE
	13.80825	25	P	20121203		PM	PM	INSPECT-AND LUBRICATE
	13.80826	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80827	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80828	25	P	20121203		PM	PM	INSPECT-AND LUBRICATE
	13.80829	25	P	20121203		PM	PM	MONTHLY INSPECTION
	13.80830	25	P	20121203		PM	PM	MONTHLY INSPECTION
	13.80831	25	P	20121203		PM	PM	OIL-CHANGE-(REDUCER)
	13.80832	25	P	20121203		PM	PM	OIL CHANGE (REDUCER)
	13.80833	25	P	20121203		PM	PM	INSPECT AND LUBE
	13.80834	25	P	20121203		PM	PM	INSPECT AND LUBE GATE
	13.80835	25	P	20121203		PM	PM	INSPECT AND LUBE GATE
	13.80836	25	P	20121203		PM	PM	INSPECT AND LUBE GATE
	13.80837	25	P	20121203		PM	PM	INSPECT AND LUBE GATE
	13.80838	25	P	20121203		PM	PM	CLEAN AND LUBRICATE
	13.80839	25	P	20121203		PM	PM	CLEAN AND LUBRICATE
	13.80840	25	P	20121203		PM	PM	CLEAN AND LUBRICATE
	13.80841	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80842	25	P	20121203		PM	PM	MONTHLY INSPECTION
	13.80843	25	P	20121203		PM	PM	MONTHLY INSPECTION
	13.80844	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80844	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80845	25	P	20121203		PM	PM	INSPECTION.

01/23/13 09:32:29

Total Issued W/O's
OCT. 01,12 -- DEC. 31,12

Mike
Locations:
DUNDAL EASTER JF** as of 09:32:29

WOCOMPMSAL
as of 09:32:29

PAGE 4

PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 01/23/13

Co	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short
No	Center	WO	Suf	Sts			Date		Type	Code	Description
		Number									
11	PUMPING ST DUNDAL	13.80846		25	P	20121203		PM	PM		INSPECTION.
		13.80847		25	P	20121203		PM	PM		INSPECT
		13.80848		25	P	20121203		PM	PM		INSPECT AND LUBRICATE
		13.80849		25	P	20121203		PM	PM		INSPECT AND LUBRICATE
		13.80850		25	P	20121203		PM	PM		INSPECT AND LUBRICATE
		13.80851		25	P	20121203		PM	PM		INSPECT AND LUBRICATE
		13.80852		25	P	20121203		PM	PM		INSPECT TANK
		13.80853		25	P	20121203		PM	PM		CHECK VARIOUS COMPONENTS AND LUBRICATE
		13.80854		25	P	20121203		PM	PM		FLUSH COOLING SYSTEM &CHANGE OIL
		13.80855		25	P	20121203		PM	PM		CHECK VARIOUS COMPONENTS AND LUBRICATE
		13.80856		25	P	20121203		PM	PM		QUARTERLY INSPECTION AND LUBRICATION
		13.80856		25	P	20121203		PM	PM		QUARTERLY INSPECTION AND LUBRICATION
		13.80857		25	P	20121203		PM	PM		OBSERVE OPERATION, LUBRICATION
		13.80858		25	P	20121203		PM	PM		OBSERVE OPERATION, LUBRICATION
		13.80859		25	P	20121203		PM	PM		MONTHLY INSPECTION
		13.80860		25	P	20121203		PM	PM		MONTHLY INSPECTION
		13.80861		25	P	20121203		PM	PM		INSPECTION
		13.80911		30	P	20121203	20121205	PM	GRDS		CLEAN WET WELL.
		13.80963		30	P	20121203	20130102	PM	BLDG		INSPECT/REPAIR/PLUMBING-ETC.
		13.80964		25	P	20121203		PM	BLDG		INSPECT AND REPAIR
		13.81009		30	P	20121203	20121210	PM	INSPS		INSPECT AND CALIBRATE
		13.81010		30	P	20121203	20121210	PM	INSPS		INSPECTION
		13.81011		30	P	20121203	20121210	PM	INSPS		INSPECTION
		13.81012		30	P	20121203	20121204	PM	INSPS		INSPECTION
		13.81013		30	P	20121203	20121204	PM	INSPS		INSPECTION
		13.81014		30	P	20121203	20121210	PM	INSPS		PURGE TRANSMITTER.
		13.81015		30	P	20121203	20121210	PM	INSPS		INSPECT AND CALIBRATE
		13.81016		30	P	20121203	20121207	PM	INSPS		CLEAN/INSPECT/CALIBRATE
		13.81017		30	P	20121203	20121207	PM	INSPS		CLEAN/INSPECT/CALIBRATE
		13.81018		30	P	20121203	20121207	PM	INSPS		CLEAN/INSPECT/CALIBRATE
		13.81019		30	P	20121203	20121203	PM	INSPS		INSPECTION
		13.81020		30	P	20121203	20121203	PM	INSPS		INSPECTION
		13.81021		30	P	20121203	20121207	PM	INSPS		INSPECTION
		13.81022		30	P	20121203	20121203	PM	INSPS		INSPECTION
		13.81023		30	P	20121203	20121204	PM	INSPS		INSPECT AND CLEAN
		13.81159		25	P	20121204		PM	ELCPS		CLEAN/INSPECT/CALIBRT.MERCOID SWITCHES.
		13.81160		25	P	20121204		PM	ELCPS		CLEAN/INSPECT/CALIBRT.
		13.81161		25	P	20121204		PM	ELCPS		CLEAN/INSPECT/CALIBRT.
		13.81162		25	P	20121204		PM	ELCPS		INSPECT AND LUBRICATE
		13.81163		25	P	20121204		PM	ELCPS		INSPECT AND LUBRICATE
		13.81164		25	P	20121204		PM	ELCPS		INSPECT AND LUBRICATE
		13.81165		25	P	20121204		PM	ELCPS		INSPECT AND CLEAN MOTOR (EVERY 4 YRS)
		13.81166		25	P	20121204		PM	ELCPS		CHECK OPERATOIN.
		13.81167		25	P	20121204		PM	ELCPS		CHECK OPERATOIN.
		13.81168		25	P	20121204		PM	ELCPS		CHECK OPERATOIN.
		13.81169		25	P	20121204		PM	ELCPS		CHECK OPERATOIN.
		13.81170		25	P	20121204		PM	ELCPS		INSPECT AND LUBRICATE
		13.81171		25	P	20121204		PM	ELCPS		INSPECT AND LUBRICATE

Co No	Cost Center	Cost Loc	Parent WO	WO Suf	WO Sts	TYPE	WO Issue Date	WO Cmpl Date	Wrk Typ	Craft Code	Short problem Description
11	PUMPING ST DUNDAL	13.81172			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81173			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81174			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81175			25	P	20121204		PM	ELCPS	CHECK OPERATION/INSPECTION
		13.81176			25	P	20121204		PM	ELCPS	CHECK OPERATION/INSPECTION
		13.81177			25	P	20121204		PM	ELCPS	TEST AND INSPECT
		13.81178			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81179			25	P	20121204		PM	ELCPS	CHECK FLOAT SWITCH & LUBE MECHANICAL.
		13.81180			25	P	20121204		PM	ELCPS	CHECK FLOAT SWITCH & LUBE MECHANICAL.
		13.81181			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81182			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81183			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81184			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81185			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81186			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81187			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81188			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81189			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81190			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81191			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81192			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81193			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81194			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81195			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81196			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81197			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81198			25	P	20121204		PM	ELCPS	CLEAN & INSPECT MOTOR (FIELD)
		13.81199			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81200			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81200			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81201			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81201			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81348			25	P	20121204		PM	MCHPS	INSPECTION
		13.81349			25	P	20121204		PM	MCHPS	INSPECTION
		13.81350			25	P	20121204		PM	MCHPS	INSPECTION

Total W/O's for Location DUNDAL:
COUNT 115

EASTER	13.80734	25	P	20121203	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	13.80735	25	P	20121203	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	13.80735	25	P	20121203	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	13.80736	25	P	20121203	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	13.80737	25	P	20121203	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	13.80738	25	P	20121203	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	13.80739	25	P	20121203	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	13.80740	25	P	20121203	PM	CHANGE OIL
	13.80741	25	P	20121203	PM	INSPECT AND LUBRICATE.

01/23/13 09:32:29 Total Issued W/O's Mike Locations: WCOMPMSAL
OCT. 01,12 -- DEC. 31,12 **BRKLYN DUNDAL EASTER JF** as of 09:32:29
PUMPING STATIONS -- PM only **LOCPO MCST QUAD WSTPT ** on 01/23/13

Go--Cost No Center	Cost Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO Issue Date	WO Cmplt Date	Wrk Typ	Craft Code	Short problem Description
11	PUMPING ST EASTER	13.80742		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80743		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80744		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80745		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80746		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80747		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80748		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80749		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80750		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80751		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80752		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80754		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80755		25	P	20121203		PM	PM	INSPECT AND LUBRICATE.
		13.80756		25	P	20121203		PM	PM	CHECK VARIOUS COMPONENTS
		13.80757		25	P	20121203		PM	PM	OIL CHANGE
		13.80758		25	P	20121203		PM	PM	CHECK VARIOUS COMPONENTS
		13.80758		25	P	20121203		PM	PM	CHECK VARIOUS COMPONENTS
		13.80759		25	P	20121203		PM	PM	CHECK VARIOUS COMPONENTS
		13.80760		25	P	20121203		PM	PM	CHECK VARIOUS COMPONENTS
		13.80760		25	P	20121203		PM	PM	CHECK VARIOUS COMPONENTS
		13.80761		25	P	20121203		PM	PM	CHECK VARIOUS COMPONENTS
		13.80761		25	P	20121203		PM	PM	CHECK VARIOUS COMPONENTS
		13.80761		25	P	20121203		PM	PM	CHECK VARIOUS COMPONENTS
		13.80762		25	P	20121203		PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS
		13.80763		25	P	20121203		PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS
		13.80764		25	P	20121203		PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS
		13.80765		25	P	20121203		PM	PM	LUBRICATION AND CHECKS
		13.80766		25	P	20121203		PM	PM	CHECK UNIT AND CLEAN (GEAR REDUCER)
		13.80767		25	P	20121203		PM	PM	CHECK UNIT AND CLEAN (GEAR REDUCER)
		13.80768		25	P	20121203		PM	PM	LUBRICATION AND CHECKS
		13.80769		25	P	20121203		PM	PM	CHECK GATE AND LUBRICATE
		13.80770		25	P	20121203		PM	PM	CHECK GATE AND LUBRICATE
		13.80771		25	P	20121203		PM	PM	CHECK GATE AND LUBRICATE
		13.80772		25	P	20121203		PM	PM	CHECK GATE AND LUBRICATE
		13.80773		25	P	20121203		PM	PM	CLEAN AND LUBRICATE
		13.80774		25	P	20121203		PM	PM	CLEAN AND LUBRICATE
		13.80775		25	P	20121203		PM	PM	CLEAN AND LUBRICATE
		13.80776		25	P	20121203		PM	PM	CHECK VARIOUS UNITS
		13.80777		25	P	20121203		PM	PM	CHECK VARIOUS UNITS
		13.80778		25	P	20121203		PM	PM	CHECK VARIOUS UNITS
		13.80779		25	P	20121203		PM	PM	CHECK VARIOUS UNITS
		13.80780		25	P	20121203		PM	PM	INSPECTION
		13.80781		25	P	20121203		PM	PM	INSPECTION
		13.80782		25	P	20121203		PM	PM	CHANGE OIL AND FILTER.
		13.80783		25	P	20121203		PM	PM	CHANGE OIL AND FILTER.
		13.80784		25	P	20121203		PM	PM	CHANGE OIL AND FILTER.
		13.80785		25	P	20121203		PM	PM	INSPECT AND LUBE
		13.80786		25	P	20121203		PM	PM	INSPECT NORMAL OPERATION

01/23/13 09:32:29 Total Issued W/O's Mike Locations: WOCMPMSAL
OCT. 01,12 -- DEC. 31,12 **BRKLYN DUNDAL EASTER JF** as of 09:32:29
PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 01/23/13

Co	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short
No	Center	WO	Suf	Sts			Date		Type	Code	Description
		Id									
11	PUMPING ST EASTER	13.80787	25	P	20121203	PM	PM	PM	PM	PM	INSPECT NORMAL OPERATION
		13.80788	25	P	20121203	PM	PM	PM	PM	PM	INSPECT NORMAL OPERATION
		13.80789	25	P	20121203	PM	PM	PM	PM	PM	INSPECT NORMAL OPERATION
		13.80790	25	P	20121203	PM	PM	PM	PM	PM	INSPECT NORMAL OPERATION
		13.80791	25	P	20121203	PM	PM	PM	PM	PM	INSPECT VARIOUS COMPONENTS
		13.80791	25	P	20121203	PM	PM	PM	PM	PM	INSPECT VARIOUS COMPONENTS
		13.80792	25	P	20121203	PM	PM	PM	PM	PM	INSPECT VARIOUS COMPONENTS
		13.80793	25	P	20121203	PM	PM	PM	PM	PM	INSPECT VARIOUS COMPONENTS
		13.80961	25	P	20121203	PM	BLDG	COMPUTER PAPER PICK-UP			
		13.80969	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80970	30	P	20121203	PM	INSPS	INSPECT/CLEAN/CALIBRT			
		13.80971	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80972	30	P	20121203	PM	INSPS	INSPECT/CLEAN/CALIBRATE			
		13.80973	30	P	20121203	PM	INSPS	INSPECT/CLEAN/CALIBRATE			
		13.80974	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80975	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80976	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80977	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80978	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80979	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80980	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80981	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80982	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80983	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE			
		13.80984	30	P	20121203	PM	INSPS	INSPECT PRESSURE DEVICES			
		13.80985	30	P	20121203	PM	INSPS	INSPECTION			
		13.80986	30	P	20121203	PM	INSPS	INSPECTION			
		13.80987	30	P	20121203	PM	INSPS	CLEAN AND INSPECT			
		13.81068	25	P	20121204	PM	HA	CLEAN BOILER			
		13.81069	25	P	20121204	PM	HA	CLEAN BOILER			
		13.81070	25	P	20121204	PM	HA	INSPECT AND CLEAN			
		13.81071	25	P	20121204	PM	HA	INSPECT VARIOUS UNITS			
		13.81072	25	P	20121204	PM	HA	INSPECT VARIOUS UNITS			
		13.81073	25	P	20121204	PM	HA	INSPECT VARIOUS UNITS			
		13.81074	25	P	20121204	PM	HA	INSPECT VARIOUS UNITS			
		13.81075	25	P	20121204	PM	HA	INSPECT VARIOUS UNITS			
		13.81076	25	P	20121204	PM	HA	INSPECT VARIOUS UNITS			
		13.81081	25	P	20121204	PM	ELEC	CHECK,BATTERIES& LIGHT			
		13.81082	25	P	20121204	PM	ELCPS	INSPECT AND CLEAN MOTOR (EVERY 4 YEARS)			
		13.81083	25	P	20121204	PM	ELCPS	INSPECT AND CLEAN MOTOR (EVERY 4 YEARS)			
		13.81084	30	P	20121204	PM	ELCPS	INSPECT AND CLEAN MOTOR (EVERY 4 YEARS)			
		13.81084	30	P	20121204	PM	INSPS	INSPECT AND CLEAN MOTOR (EVERY 4 YEARS)			
		13.81085	25	P	20121204	PM	ELCPS	INSPECT AND CLEAN MOTOR (EVERY 4 YEARS)			
		13.81086	25	P	20121204	PM	ELCPS	INSPECT AND CLEAN MOTOR (EVERY 4 YEARS)			
		13.81087	25	P	20121204	PM	ELCPS	INSPECT AND LUBRICATE			
		13.81088	25	P	20121204	PM	ELCPS	INSPECT AND LUBRICATE			
		13.81089	25	P	20121204	PM	ELCPS	INSPECT AND LUBRICATE			
		13.81090	25	P	20121204	PM	ELCPS	INSPECT AND LUBRICATE			

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Total Issued W/O's
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Mike
**BRKLYN

Locations:
DUNDAL EASTER JF**

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as of 09:32:29

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PUMPING STATIONS - PM only

MCST QUAD WSPT ** on 01/23/13

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 EASTER	13.81091			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81092			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81093			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81094			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81095			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81096			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81097			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81098			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81099			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81099			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81100			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81100			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81101			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81101			25	P	20121204		PM	ELCPS	CLEAN AND INSPECT
		13.81102			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE OVERHEAD HOIST
		13.81103			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE SCREEN RM TROLLEY
		13.81104			25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE
		13.81324			25	P	20121204		PM	MCHPS	INSPECTION
		13.81334			25	P	20121204		PM	MCHPS	INSPECTION
		13.81335			25	P	20121204		PM	MCHPS	INSPECTION
		13.81336			25	P	20121204		PM	MCHPS	INSPECTION
		13.81337			25	P	20121204		PM	MCHPS	INSPECTION
		13.81338			25	P	20121204		PM	MCHPS	INSPECTION
		13.81339			25	P	20121204		PM	MCHPS	INSPECTION
		13.81340			25	P	20121204		PM	MCHPS	INSPECTION
		13.81341			25	P	20121204		PM	MCHPS	INSPECTION
		13.81342			25	P	20121204		PM	MCHPS	INSPECTION
		13.81343			25	P	20121204		PM	MCHPS	INSPECTION

Total W/O's for Location EASTER:
COUNT 133

JF	13.80626	30	P	20121003	20121004	PM	INSPS	INSPS-- DO PM'S AT STATION
	13.80794	25	P	20121203		PM	PM	CLEAN AND LUBRICATE
	13.80795	25	P	20121203		PM	PM	CLEAN AND LUBRICATE
	13.80796	25	P	20121203		PM	PM	CLEAN AND LUBRICATE
	13.80797	25	P	20121203		PM	PM	INSPE T AND LUBRICATE PUMP
	13.80798	25	P	20121203		PM	PM	INSPECT AND LUBRICATE PUMP
	13.80799	25	P	20121203		PM	PM	INSPECTION.
	13.80800	30	P	20121203	20130107	PM	PM	LUBRICATION AND CHECKS
	13.80801	30	P	20121203	20130102	PM	PM	LUBRICATION AND CHECKS
	13.80802	30	P	20121203	20130102	PM	PM	CHANGE OIL (REDUCER)
	13.80803	30	P	20121203	20130104	PM	PM	CHANGE OIL (REDUCER)
	13.80804	25	P	20121203		PM	PM	CLEAN, LUBRICATE
	13.80805	25	P	20121203		PM	PM	INSPECT AND LUBRICATE CRANE
	13.80806	25	P	20121203		PM	PM	INSPECT AND LUBE CRANE
	13.80807	25	P	20121203		PM	PM	CHECK OPERATION
	13.80808	25	P	20121203		PM	PM	INSPECTION

Total Issued W/O's
OCT. 01/12 -- DEC. 31/12

Mike

Locations:
BRKLYN DUNDAL EASTER JF as of 09:32:29
PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 01/23/13

Go	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short
No	Center	WO	Suf	Sts			Date		Type	Code	Description
		Id									
11	PUMPING ST JF	13.80809		25	P	20121203		PM	PM	PM	INSPECTION
		13.80810		25	P	20121203		PM	PM	PM	INSPECTION
		13.80811		25	P	20121203		PM	PM	PM	INSPECTION
		13.80812		30	P	20121203	20130107	PM	PM	PM	INSPECTION
		13.80909		30	P	20121203	20121205	PM	GRDS	GRDS	CLEAN WET WELL.
		13.80988		30	P	20121203	20121231	PM	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		13.80989		30	P	20121203	20121231	PM	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		13.80990		30	P	20121203	20130102	PM	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		13.80991		30	P	20121203	20130102	PM	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		13.80992		30	P	20121203	20130102	PM	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		13.80993		30	P	20121203	20121231	PM	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		13.80994		30	P	20121203	20121227	PM	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		13.80995		30	P	20121203	20121227	PM	INSPS	INSPS	INSPECTION
		13.80996		30	P	20121203	20121227	PM	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		13.80997		30	P	20121203	20121224	PM	INSPS	INSPS	INSPECTION
		13.80998		30	P	20121203	20121224	PM	INSPS	INSPS	CLEAN AND INSPECT
		13.81105		30	P	20121204	20121217	PM	ELCPS	ELCPS	CLEAN AND INSPECT
		13.81106		30	P	20121204	20121217	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81107		30	P	20121204	20121217	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81108		30	P	20121204	20121217	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81109		30	P	20121204	20121217	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81110		30	P	20121204	20121217	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81111		25	P	20121204	20130116	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81112		25	P	20121204	20130116	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81113		25	P	20121204	20130116	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81114		25	P	20121204	20130116	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81115		25	P	20121204	20130116	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81116		25	P	20121204	20130116	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81117		25	P	20121204	20130116	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81118		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81119		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81120		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81121		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81122		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81123		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81124		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81125		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81126		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81127		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81128		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81129		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81130		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE
		13.81131		25	P	20121204		PM	PM	PM	INSPECT AND LUBRICATE.
		13.81132		25	P	20121204		PM	ELCPS	ELCPS	CHECK VARIOUS UNITS
		13.81133		25	P	20121204		PM	ELCPS	ELCPS	ANNUAL INSPECTION AND LUBRICATION
		13.81134		25	P	20121204		PM	ELCPS	ELCPS	ANNUAL INSPECTION AND LUBRICATION
		13.81135		25	P	20121204		PM	ELCPS	ELCPS	ANNUAL INSPECTION AND LUBRICATION
		13.81136		25	P	20121204		PM	ELCPS	ELCPS	INSPECT AND LUBRICATE

PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 01/23/13

Co	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short problem
No	Center	WO	Suf	Sts			Date		Typ	Code	Description
		Id									
11	PUMPING ST JF	13.81137		25	P	20121204		PM	ELCPS	ANNUAL INSPECTION AND LUBRICATION	
		13.81138		25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE	
		13.81139		25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE	
		13.81140		25	P	20121204		PM	ELCPS	INSPECT AND LUBRICATE	
		13.81141		25	P	20121204		PM	ELCPS	ANNUAL INSPECTION	
		13.81142		25	P	20121204		PM	ELCPS	ANNUAL INSPECTION	
		13.81143		25	P	20121204		PM	ELCPS	ANNUAL INSPECTION	
		13.81144		25	P	20121204		PM	ELCPS	CLEAN & INSPECT	
		13.81145		25	P	20121204		PM	ELCPS	CLEAN & INSPECT	
		13.81146		25	P	20121204		PM	ELCPS	CLEAN & INSPECT	
		13.81344		25	P	20121204		PM	MCHPS	INSPECTION	
		13.81345		25	P	20121204		PM	MCHPS	INSPECTION	
		13.81346		25	P	20121204		PM	MCHPS	INSPECTION	

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

LOCPO	13.80647	30	P	20121015	20121022	PM	INSPS	INSPS-DO PM'S AT STATION
	13.80912	30	P	20121203	20121205	PM	GRDS	CLEAN WET WELL.
	13.80947	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80948	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80949	25	P	20121203		PM	PM	CLEAN FILTER, INSPECT
	13.80950	25	P	20121203		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
	13.80951	25	P	20121203		PM	PM	INSPECTION
	13.80952	25	P	20121203		PM	PM	CHECK OPERATION
	13.80953	25	P	20121203		PM	PM	OIL CHANGE AND LUBRICATION
	13.80954	25	P	20121203		PM	PM	TESTING AND LUBRICATION
	13.80955	25	P	20121203		PM	PM	TESTING AND LUBRICATION
	13.80956	25	P	20121203		PM	PM	TESTING AND LUBRICATION
	13.80957	25	P	20121203		PM	PM	TESTING AND LUBRICATION
	13.80958	25	P	20121203		PM	PM	TESTING AND LUBRICATION
	13.80959	25	P	20121203		PM	PM	INSPECT AND LUBRICATE
	13.80960	25	P	20121203		PM	PM	INSPECT-AND LUBRICATE
	13.81055	25	P	20121203		PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.81056	25	P	20121203		PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.81057	25	P	20121203		PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.81059	25	P	20121203		PM	INSPS	INSPECTION
	13.81060	25	P	20121203		PM	INSPS	INSPECTION
	13.81061	25	P	20121203		PM	INSPS	INSPECT-AND CLEAN
	13.81262	30	P	20121204	20121218	PM	ELCPS	CHECK,BATTERIES& LIGHT
	13.81262	30	P	20121204	20121218	PM	ELEC	CHECK,BATTERIES& LIGHT
	13.81263	30	P	20121204	20121218	PM	ELCPS	INSPECT AND LUBRICATE
	13.81264	30	P	20121204	20121218	PM	ELCPS	INSPECT AND LUBRICATE
	13.81277	30	P	20121204	20121218	PM	ELCPS	CLEAN AND LUBRICATE
	13.81278	30	P	20121204	20121220	PM	ELCPS	INSPECT AND LUBRICATE
	13.81279	25	P	20121204	20121218	PM	ELCPS	INSPECT AND LUBRICATE
	13.81280	30	P	20121204	20121218	PM	ELCPS	INSPECTION.
	13.81281	30	P	20121204	20130103	PM	ELCPS	CHECK-OPERATING CONDITIONS, BATTERY CHE

OCT. 01,12 -- DEC. 31,12 **BRKLYN DUNDAL EASTER JF** as of 09:32:29
PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 01/23/13

Cost	Parent	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short
Center	WO	Suf	Sts	Issue	Date	Issue	Type	Code	Description
	Id	Number							

11	PUMPING ST LOCPO	13.81282	30	P	20121204	20121218	PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
		13.81283	30	P	20121204	20121218	PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE

Total W/O's for Location MCST:
COUNT 33

MCST	13.80937	25	P	20121203	PM	PM	INSPECT AND LUBRICATE
	13.80938	25	P	20121203	PM	PM	INSPECT AND LUBRICATE
	13.80938	25	P	20121203	PM	PM	INSPECT AND LUBRICATE
	13.80939	25	P	20121203	PM	PM	INSPECT AND LUBRICATE.
	13.80940	25	P	20121203	PM	PM	CLEAN FILTER, INSPECTION
	13.80941	25	P	20121203	PM	PM	CLEAN FILTER, INSPECTION
	13.80942	25	P	20121203	PM	PM	CHECK AND LUBE
	13.80943	25	P	20121203	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
	13.80944	25	P	20121203	PM	PM	INSPECTION
	13.80944	25	P	20121203	PM	PM	INSPECTION
	13.80945	25	P	20121203	PM	PM	CHECK OPERATION
	13.80946	25	P	20121203	PM	PM	CHECK OPERATION
	13.80967	25	P	20121203	PM	BLDG	INSPECT/REPAIR/PLUMBING-ETC.
	13.80968	25	P	20121203	PM	BLDG	INSPECT AND REPAIR
	13.81049	30	P	20121220	PM	INSPS	INSPECT AND CALIBRATE
	13.81050	30	P	20121220	PM	INSPS	INSPECT AND CALIBRATE
	13.81051	30	P	20121203	PM	INSPS	INSPECT AND CALIBRATE
	13.81052	30	P	20121221	PM	INSPS	INSPECT AND CALIBRATE
	13.81053	30	P	20121221	PM	INSPS	INSPECT AND CALIBRATE
	13.81054	30	P	20121221	PM	INSPS	INSPECT AND CALIBRATE
	13.81255	30	P	20121204	PM	ELCPS	INSPECT AND LUBRICATE
	13.81256	30	P	20121204	PM	ELCPS	INSPECTION
	13.81257	30	P	20121204	PM	ELCPS	INSPECTION
	13.81258	30	P	20121204	PM	ELCPS	INSPECTION
	13.81259	30	P	20121204	PM	ELCPS	INSPECTION
	13.81260	30	P	20121204	PM	ELCPS	CLEAN AND INSPECT
	13.81261	30	P	20121204	PM	ELCPS	CHECK OPERATING CONDITION, BATTERY CHEC

Total W/O's for Location MCST:
COUNT 27

QUAD	13.80813	25	P	20121203	PM	PM	CHANGE OIL
	13.80814	30	P	20121206	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
	13.80815	25	P	20121203	PM	PM	INSPECT, LUBRICATE CABLES, OIL CHECK
	13.80815	25	P	20121203	PM	PM	INSPECT, LUBRICATE CABLES, OIL CHECK
	13.80962	25	P	20121203	PM	BLDG	INSPECT FOR CRACKS, RUST, PAINT
	13.80999	30	P	20121203	PM	INSPS	CLEAN AND INSPECT
	13.81000	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.81001	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE RECORDER
	13.81002	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE/GAS ALARM
	13.81003	30	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE
	13.81004	25	P	20121203	PM	INSPS	CLEAN/INSPECT/CALIBRATE

OCT. 01,12 -- DEC. 31,12 **BRKLYN DUNDAL EASTER JF** as of 09:32:29

PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 01/23/13

Co	Cos	Cost	Parent	WO	WO	TYPE	WO	WO	WO	Wrk	Craft	Short problem
No	Center	Loc	WO	Suf	Sts		Issue	Complt	Date	Type	Code	Description
		Id	Number				Date					
11	PUMPING ST QUAD	13.81005	25	P	20121203	PM	INSPS	INSPS	INSPECT AND CALIBRATE			
		13.81006	25	P	20121203	PM	INSPS	INSPS	INSPECT AND CALIBRATE			
		13.81007	30	P	20121203	PM	INSPS	INSPS	INSPECT AND CALIBRATE			
		13.81008	25	P	20121203	PM	INSPS	INSPS	INSPECTION			
		13.81147	25	P	20121204	PM	ELCPS	ELCPS	CLEAN AND INSPECT			
		13.81148	30	P	20121204	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE			
		13.81149	25	P	20121204	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE			
		13.81150	30	P	20121204	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE			
		13.81151	25	P	20121204	PM	ELCPS	ELCPS	CHECK OPERATION/INSPECTION			
		13.81152	25	P	20121204	PM	ELCPS	ELCPS	CLEAN AND INSPECT			
		13.81153	25	P	20121204	PM	ELCPS	ELCPS	CLEAN & INSPECT			
		13.81154	25	P	20121204	PM	ELCPS	ELCPS	CHECK OPERATING CONDITION, BATTERY			
		13.81155	25	P	20121204	PM	ELCPS	ELCPS	INSPECT AND LUBRICATE			
		13.81156	30	P	20121204	PM	ELCPS	ELCPS	CLEAN, INSPECT CONNECTIONS			
		13.81157	30	P	20121204	PM	ELCPS	ELCPS	CLEAN, INSPECT CONNECTIONS			
		13.81158	30	P	20121204	PM	ELCPS	ELCPS	CLEAN, INSPECT CONNECTIONS			
		13.81158	30	P	20121204	PM	ELEC	ELEC	CLEAN, INSPECT CONNECTIONS			
		13.81347	25	P	20121204	PM	MCHPS	MCHPS	INSPECTION			

Total W/O's for Location QUAD:
COUNT 29

WSTPT	13.80702	30	P	20121109	20121108	PM	INSPS	INSPS-DO PM'S AT STATION
	13.80913	30	P	20121203	20121206	PM	PM	INSPECTION
	13.80914	30	P	20121203	20121206	PM	PM	CHECK VARIOUS COMPONENTS
	13.80915	30	P	20121203	20121206	PM	PM	CHECK VARIOUS COMPONENTS
	13.80916	30	P	20121203	20121206	PM	PM	CHECK VARIOUS COMPONENTS
	13.80917	30	P	20121203	20121206	PM	PM	INSPECT AND LUBRICATE
	13.80918	30	P	20121203	20121206	PM	PM	INSPECT AND LUBRICATE
	13.80919	30	P	20121203	20121218	PM	PM	INSPECT AND LUBRICATE
	13.80920	30	P	20121203	20121206	PM	PM	LUBRICATION
	13.80921	30	P	20121203	20121206	PM	PM	INSPECT AND LUBRICATE
	13.80922	30	P	20121203	20121206	PM	PM	CHECK VARIOUS UNITS
	13.80923	30	P	20121203	20121206	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
	13.80924	30	P	20121203	20121206	PM	PM	INSPECT NORMAL OPERATION
	13.80925	30	P	20121203	20121206	PM	PM	INSPECT NORMAL OPERATION
	13.80926	30	P	20121203	20121206	PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT
	13.80927	30	P	20121203	20121206	PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT
	13.80927	30	P	20121203	20121206	PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT
	13.80928	30	P	20121203	20121206	PM	PM	CLEAN, LUBRICATE
	13.80929	30	P	20121203	20121206	PM	PM	INSPECT AND LUBRICATE
	13.80930	30	P	20121203	20121206	PM	PM	CLEAN, LUBRICATE
	13.80931	30	P	20121203	20121206	PM	PM	INSPECT AND LUBRICATE
	13.80932	30	P	20121203	20121206	PM	PM	CLEAN, LUBRICATE
	13.80933	30	P	20121203	20121206	PM	PM	INSPECT AND LUBRICATE
	13.80934	30	P	20121203	20121206	PM	PM	CLEAN, LUBRICATE
	13.80935	30	P	20121203	20121206	PM	PM	INSPECT AND LUBRICATE
	13.80936	30	P	20121203	20121206	PM	PM	CLEAN, LUBRICATE

BRKLYN DUNDAL EASTER JF as of 09:32:29
PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 01/23/13

Co	Cost	Cost	Parent	WO	WO	TYPE	WO	WO	Wrk	Craft	Short
No	Center	Loc	WO	Suf	Sts		Issue	Cmplt	Typ	Code	Description
			Id				Date	Date			
11	PUMPING ST	WSTPT	13.81042		30	P	20121203	20121226	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.81043		30	P	20121203	20121226	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.81044		30	P	20121203	20121226	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.81045		30	P	20121203	20121228	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.81046		30	P	20121203	20121228	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			13.81047		25	P	20121203		PM	INSPS	INSPECT AND CALIBRATE
			13.81048		30	P	20121203	20121227	PM	INSPS	INSPECTION
			13.81250		30	P	20121204	20121228	PM	ELCPS	INSPECTION
			13.81251		30	P	20121204	20121228	PM	ELCPS	INSPECT AND LUBRICATE
			13.81252		30	P	20121204	20121228	PM	ELCPS	INSPECT AND LUBRICATE
			13.81253		30	P	20121204	20121228	PM	ELCPS	INSPECTION
			13.81254		30	P	20121204	20121228	PM	ELCPS	INSPECT AND LUBRICATE

Total W/O's for Location WSTPT:
COUNT 38

Total W/O's for Cost Center PUMPING ST:
COUNT 560

Totals for Company 11:
COUNT 560

APPENDIX 5

SUMMARY OF REPORTED OVERFLOWS

City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending December 31, 2012

SSO No. 67

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
10/29/2012	Flow Meter in Place	6.15
10/30/2012	Flow Meter in Place	1.05

SSO No. 72

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
10/29/2012	Flow Meter in Place	6.15
10/30/2012	Flow Meter in Place	1.05

SSO No. 132

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
10/29/2012	Flow Meter in Place	6.58
10/30/2012	Flow Meter in Place	0.88

SSO No. 134

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
10/29/2012	Flow Meter in Place	6.58

City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending December 31, 2012

10/30/2012	Flow Meter in Place	0.88
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SSO No. 135

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
10/29/2012	Flow Meter in Place	6.58
10/30/2012	Flow Meter in Place	0.88

SSO No. 137

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
09/18/2012	Flow Meter in Place	1.58
10/19/2012	Flow Meter in Place	1.07
10/29/2012	Flow Meter in Place	5.92
10/30/2012	Flow Meter in Place	1.03

SSO No. 138

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
10/29/2012	Flow Meter in Place	5.66
10/30/2012	Flow Meter in Place	0.83

City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending December 31, 2012

SSO No. 139

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
10/29/2012	Flow Meter in Place	5.66
10/30/2012	Flow Meter in Place	0.83

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>
None Reported this Quarter			

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending December 31, 2012

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
10/2/2012	Evidence of Overflow	Rags, Grease & Debris	0.77	None	2601 Cannery Ave	21226
10/2/2012	Evidence of Overflow	Rags	0.77	None	3907 W. Mulberry St	21229
10/4/2012	Evidence of Overflow	Roots	0.01	None	2924 Fleetwood Ave	21214
10/6/2012	Evidence of Overflow	N/A	0.00	None	1147 Monroe Cir	21225
10/6/2012	Evidence of Overflow	Rags & Roots	0.00	None	309 Rossiter Ave	21212
10/6/2012	30	Rags & Grease	0.00	Gwynns Falls	1823 Eutaw Place	21217
10/8/2012	540	N/A	0.00	None/ Private Location	1100 Evans Way	21215
10/8/2012	Evidence of Overflow	Rags	0.00	None	839 E. Chase St	21202
10/9/2012	Evidence of Overflow	Rags	0.04	None	3517 Oakmont Ave	21215
10/9/2012	7375	N/A	0.04	Gwynns Falls	914 Wilmington Ave	21223
10/10/2012	105	Rags & Grease	0.02	Jones Falls	1008 Billy Holiday Ct	21205
10/10/2012	Evidence of Overflow	Debris	0.02	None	1817 Penrose Ave	21223
10/11/2012	Evidence of Overflow	Rags	0.00	None	2401 Harriet Ave	21230
10/11/2012	277	Rags, Roots & Grease	0.00	Gwynns Falls	4001 Clifton Ave	21216
10/12/2012	Evidence of Overflow	Rags	0.00	None	104 S. Monastery Ave	21229
10/13/2012	325	Rags & Grease	0.00	Gwynns Falls	2850 Edmondson Ave	21223
10/14/2012	170	Grease	0.00	Jones Falls	1112 Wood Heights Ave	21211
10/16/2012	348	Rags & Grease	0.00	Gwynns Falls	851 Braddish Ave	21216
10/16/2012	500	Rags & Grease	0.00	Inner Harbor	3800 E. Baltimore St	21224
10/16/2012	Evidence of Overflow	Rags	0.00	None	445 Kenneth Sq	21212
10/17/2012	399	Rags, Grease & Sand, Gravel, Rocks	0.00	Jones Falls	2231 Rogene Dr	21209
10/18/2012	1100	Rags, Grease & Trash	0.00	Gwynns Falls	137 W. North Ave	21217
10/18/2012	Evidence of Overflow	Rags & Debris	0.00	None	5921 Western Run Dr	21209
10/18/2012	Evidence of Overflow	N/A	0.00	None	York Rd & Nicoll Ave	21212
10/18/2012	Evidence of Overflow	Roots & Debris	0.00	None	2722 Sethlow Rd	21225
10/19/2012	Evidence of Overflow	Roots	0.93	None	4 Millbrook Rd	21218
10/20/2012	Evidence of Overflow	N/A	0.01	None	1108 N. Central Ave	21202
10/20/2012	Evidence of Overflow	Rags	0.01	None	519 N. Streeper St	21205
10/20/2012	2241	N/A	0.01	Patapsco	1113 S. Charles St	21230
10/20/2012	1941	Roots & Sand, Gravel, Rocks	0.01	Gwynns Falls	5100 N. Franklinton Rd	21207
10/22/2012	Evidence of Overflow	N/A	0.00	None	3500 Horton Ave	21225
10/22/2012	Evidence of Overflow	Debris	0.00	None	4705 Kernwood Ave	21212
10/22/2012	945	Rags & Roots	0.00	Gwynns Falls	5003 Ashmans Hope	21207
10/24/2012	Evidence of Overflow	Trash	0.00	None	2449 Shirley Ave	21215
10/26/2012	Evidence of Overflow	Grease	0.00	None	725 Milyer Ln	21229
10/26/2012	770	N/A	0.00	Inner Harbor	5423 O'Donnell St	21224
10/27/2012	Evidence of Overflow	Roots	0.00	None	717 Brinkwood Rd	21229
10/27/2012	93	N/A	0.00	Inner Harbor	708 Harvey St	21230
10/28/2012	510	Rags & Grease	0.20	Herring Run	1903 South Rd	21209
10/29/2012	Evidence of Overflow	N/A	5.73	None	1801 Falls Rd	21201

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending December 31, 2012

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
10/29/2012	224	Rags, Grease & Debris	5.73	Jones Falls	3615 Hillsdale Rd	21207
10/29/2012	4720	Rags & Grease	5.73	Jones Falls	413 N. Kenwood Ave	21224
10/29/2012	Evidence of Overflow	Heavy Rain	5.73	None	5614 Pioneer Dr	21214
10/29/2012	Evidence of Overflow	N/A	5.73	None	1429 E. Baltimore St	21231
10/29/2012	3417	Roots & Debris	5.73	Gwynns Falls	3907 Clarinth Rd	21215
10/29/2012	Evidence of Overflow	Rags & Roots	5.73	None	307 Edgevale Rd	21210
10/30/2012	360	Rags & Grease	0.94	Inner Harbor	1300 E. Baltimore St	21202
10/30/2012	Evidence of Overflow	Roots	0.94	None	4914 Westhills Rd	21229
10/31/2012	8100	N/A	0.00	Herring Run	2800 Chesterfield Ave	21213
10/31/2012	Evidence of Overflow	N/A	0.00	None	825 E. Fort Ave	21230
10/31/2012	250	Rags & Grease	0.00	Jones Falls	1900 N. Howard St	21218
10/31/2012	1928	Rags, Roots & Grease	0.00	Patapsco	4213 Penhurst Ave	21215

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending December 31, 2012

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
11/1/2012	15	Rags & Grease	0.00	None	3034 Mathews St	21218
11/2/2012	60	Grease	0.00	Inner Harbor	402 Key Hwy	21230
11/3/2012	180	Rags, Roots & Grease	0.00	Gwynns Falls	511 S. Collins Ave	21229
11/3/2012	Evidence of Overflow	N/A	0.00	None	2301 Windsor Ave	21216
11/4/2012	600	Rags & Grease	0.00	Herring Run	Darley Ave. & N. Wolfe St	21213
11/5/2012	Evidence of Overflow	Rags	0.00	None	1108 N. Central Ave	21202
11/5/2012	975	Heavy Debris	0.00	Inner Harbor	1651 Ceddox St	21226
11/6/2012	111	Rags	0.00	Jones Falls	1802 Mosher St	21217
11/7/2012	Evidence of Overflow	Rags & Roots	0.02	None	1314 Cedarcroft Rd	21212
11/8/2012	51	Pipe Break & Sand, Gravel, Rocks	0.00	Jones Falls	1656 W. North Ave	21217
11/12/2012	Evidence of Overflow	Roots	0.01	None	1903 South Rd	21209
11/12/2012	Evidence of Overflow	Rags, Roots & Grease	0.01	None	214 Tunbridge Rd	21212
11/12/2012	Evidence of Overflow	Rags & Roots	0.01	None	3205 Elmora Ave	21213
11/12/2012	Evidence of Overflow	Roots & Grease	0.01	None	3603 Buena Vista Ave	21211
11/14/2012	Evidence of Overflow	Rags, Roots & Grease	0.00	None	3710 Nortonia Rd	21216
11/14/2012	120	Rags & Grease	0.00	Patapsco	6200 O'Donnell St	21224
11/14/2012	500	Rags, Grease & Debris	0.00	Herring Run	Darley Ave. & N. Wolfe St	21213
11/15/2012	870	Rags & Grease	0.00	Gwynns Falls	Smallwood & North Ave	21217
11/15/2012	Evidence of Overflow	Rags & Grease	0.00	None	2800 Rosalind Ave	21215
11/18/2012	Evidence of Overflow	Rags & Debris	0.00	None	917 Seagull Ave	21225
11/19/2012	Evidence of Overflow	Rags	0.00	None	6309 Eunice Ave	21214
11/19/2012	Evidence of Overflow	N/A	0.00	None	1246 N. Broadway	21213
11/19/2012	Evidence of Overflow	Rags & Grease	0.00	None	1326 N. Broadway	21213
11/19/2012	Evidence of Overflow	Pipe Break	0.00	None	400 S. Augusta Ave	21229
11/19/2012	124	Rags	0.00	Low Level	805 W. Cross St	21230
11/21/2012	Evidence of Overflow	N/A	0.00	None	412 S. Beechfield Ave	21229
11/21/2012	Evidence of Overflow	Rags	0.00	None	2921 Stranden Rd	21230
11/23/2012	Evidence of Overflow	N/A	0.00	None	803 E. 22nd St	21218
11/23/2012	60	N/A	0.00	None	1100 Elliott St & Urban Way	21224
11/23/2012	Evidence of Overflow	Rags & Grease	0.00	None	5016 Frankford Ave	21206
11/23/2012	Evidence of Overflow	Rags	0.00	None	Urban Way	21224
11/23/2012	Evidence of Overflow	Rags	0.00	None	1811 Bolton St	21217
11/24/2012	Evidence of Overflow	Rags & Grease	0.00	None	3001 Erdman Ave	21213
11/25/2012	Evidence of Overflow	Rags & Grease	0.00	None	307 Rossiter Ave	21212
11/26/2012	Evidence of Overflow	Debris	0.00	None	412 S. Beechfield Ave	21229



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending December 31, 2012

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
11/26/2012	Evidence of Overflow	Rags	0.00	None	916 N. Monroe St	21217
11/26/2012	Evidence of Overflow	Roots	0.00	None	5736 Nasco Pl	21239
11/26/2012	330	Rags & Grease	0.00	Jones Falls	Wolfe St & Fayette St	21287
11/26/2012	98	Rags, Grease & Rocks	0.00	Jones Falls	W. Northern Pkwy & Falls Rd	21210
11/27/2012	Evidence of Overflow	Debris	0.24	None	16 S. Monroe St	21223
11/27/2012	1491	Rags & Debris	0.24	Jones Falls	1823 Eutaw Pl	21217
11/27/2012	Evidence of Overflow	Sand, Gravel, Rocks	0.24	None	400 S. Augusta Ave	21229
11/27/2012	Evidence of Overflow	Roots & Debris	0.24	None	1809 Bolton St	21217
11/28/2012	Evidence of Overflow	Roots	0.00	None	1011 Woodson Rd	21212
11/29/2012	Evidence of Overflow	N/A	0.00	None	1122 Braddish Ave	21216
11/29/2012	180	Rags & Debris	0.00	Jones Falls	1823 Eutaw Pl	21217
11/29/2012	Evidence of Overflow	Rags & Debris	0.00	None	2427 Etting St	21217
11/29/2012	143	Rags	0.00	Jones Falls	Flaxter & Yellowwood Ave	21209
11/29/2012	216	Rags & Roots	0.00	Gwynns Falls	412 S. Beechfield Ave	21229
11/29/2012	Evidence of Overflow	N/A	0.00	None	5216 Linden Heights Ave	21215

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending December 31, 2012

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
12/1/2012	Evidence of Overflow	Rags	N/A	None	1036 Braddish Ave	21216
12/1/2012	Evidence of Overflow	Roots	N/A	None	2548 Marbourne Ave	21230
12/1/2012	Evidence of Overflow	N/A	N/A	None	4523 Pimlico Rd	21215
12/2/2012	1040	Roots	N/A	Gwynns Falls	4403 Wakefield Rd	21216
12/2/2012	Evidence of Overflow	Pipe Break	N/A	None	5928 Glen Falls Ave	21206
12/3/2012	Evidence of Overflow	Pipe Break & Sand, Gravel, Rocks	N/A	Herring Run	2727 E. Strathmore Ave	21214
12/3/2012	Evidence of Overflow	Pipe Break	N/A	Jones Falls	3001 Saint Paul St	21218
12/4/2012	Evidence of Overflow	Rags	N/A	None	1028 N. Calvert St	21202
12/4/2012	300	Rags, Grease & Debris	N/A	Gwynns Falls	3700 Clifton Ave	21216
12/4/2012	Evidence of Overflow	Rags & Roots	N/A	None	4909 Liberty Heights Ave	21207
12/4/2012	885	Roots & Grease	N/A	Herring Run	5101 Harford Rd	21214
12/5/2012	30	Rags & Grease	N/A	None	1318 N. Luzerne Ave	21213
12/5/2012	600	Rags & Debris	N/A	Inner Harbor	Dundalk Ave & Gusryan St	21224
12/6/2012	200	Grease & Debris	N/A	Inner Harbor	921 E. Fort Ave	21230
12/6/2012	130	Rags & Grease	N/A	Jones Falls	2002 Greenmount Ave	21218
12/6/2012	630	Rags & Grease	N/A	Herring Run	2101 Pentland Drive	21239
12/6/2012	Evidence of Overflow	N/A	N/A	None	2461 Perring Manor Rd	21234
12/6/2012	Evidence of Overflow	Roots	N/A	None	3616 Hickory Ave	21211
12/6/2012	Evidence of Overflow	Rags & Grease	N/A	None	5006 Litchfield Ave	21215
12/6/2012	210	Rags & Debris	N/A	Gwynns Falls	Gwynns Falls Pkwy & Tioga Pkwy	21215
12/7/2012	Evidence of Overflow	Roots	N/A	None	601 E. 34th St	21218
12/7/2012	Evidence of Overflow	Roots	N/A	None	4909 Ross Rd	21216
12/8/2012	360	Rags & Grease	N/A	Jones Falls	112 Elmhurst Rd	21210
12/8/2012	138	Rags & Grease	N/A	Jones Falls	201 E. Pratt St	21202
12/10/2012	351	N/A	N/A	None	2629 Rayner Ave	21216
12/11/2012	4570	Rags & Grease	N/A	Patapsco	810 Glade Ct	21225
12/12/2012	Evidence of Overflow	Rags & Roots	N/A	None	812 S. Sharp St	21230
12/13/2012	Evidence of Overflow	Roots	N/A	Jones Falls	2509 Shellydale Dr	21209
12/14/2012	Evidence of Overflow	N/A	N/A	None	214 Tunbridge Rd	21212
12/14/2012	Evidence of Overflow	Rags	N/A	Jones Falls	831 Brooks Ln	21217
12/14/2012	Evidence of Overflow	N/A	N/A	None	3533 Lucille Ave	21215
12/14/2012	Evidence of Overflow	Rags & Roots	N/A	Gwynns Falls	4828 Pimlico Rd	21215
12/14/2012	Evidence of Overflow	Grease	N/A	None	5600 Woodmont Ave	21239
12/15/2012	308	Rags & Grease	N/A	Jones Falls	102 E. 25th St	21202
12/15/2012	620	Rags & Grease	N/A	Jones Falls	102 E. 25th St	21202
12/15/2012	1101	Grease	N/A	Inner Harbor	502 S. Belnord Ave	21231
12/15/2012	Evidence of Overflow	Rags & Grease	N/A	None	1051 Cameron St	21212
12/15/2012	Evidence of Overflow	Rags & Grease	N/A	None	1638 Ruxton Ave	21216
12/15/2012	Evidence of Overflow	Rags & Roots	N/A	None	4210 Nadine Dr	21215
12/15/2012	30	N/A	N/A	Inlet	4801 Lorelly Ave	21216
12/15/2012	Evidence of Overflow	N/A	N/A	Patapsco	6608 Danville Ave	21224

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending December 31, 2012

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
12/16/2012	180	Rags & Grease	N/A	Gwynns Falls	4005 Carlisle Ave	21216
12/17/2012	1750	Grease & Debris	N/A	Inner Harbor	3250 E. Fayette St	21224
12/18/2012	Evidence of Overflow	N/A	N/A	None	3415 Clarks Ln	21215
12/18/2012	Evidence of Overflow	N/A	N/A	None	3902 Hillsdale Rd	21207
12/18/2012	Evidence of Overflow	Rags & Roots	N/A	None	5314 Wendley Rd	21229
12/19/2012	Evidence of Overflow	Roots	N/A	None	103 Woodlawn Rd	21210
12/19/2012	Evidence of Overflow	Roots	N/A	None	214 Tunbridge Rd	21212
12/19/2012	158	Rags & Dirt, Debris	N/A	Gwynns Falls	5807 Royal Oak Ave	21207
12/19/2012	Evidence of Overflow	Rags & Roots	N/A	None	6608 Danville Ave	21222
12/20/2012	Evidence of Overflow	Rags	N/A	None	4004 W. Strathmore Ave	21215
12/21/2012	850	Rags & Roots	N/A	Gwynns Falls	Denison St & Walbrook Ave	21216
12/22/2012	360	Rags & Grease	N/A	Patapsco	Bridgeview Rd & Round Rd	21225
12/23/2012	264	Roots	N/A	Herring Run	307 Rossiter Ave	21212
12/23/2012	Evidence of Overflow	Grease	N/A	Herring Run	412 E. Cold Spring Ln	21212
12/26/2012	166	Rags, Grease & Debris	N/A	Jones Falls	2200 Kirk Ave	21218
12/26/2012	795	Roots	N/A	Herring Run	2706 E. Strathmore Ave	21214
12/27/2012	80	Roots & Trash	N/A	Herring Run	700 Belle Terre Ave	21218
12/27/2012	Evidence of Overflow	N/A	N/A	None	817 Stoll St	21225
12/27/2012	Evidence of Overflow	Rags	N/A	None	1322 W. Pratt St	21223
12/27/2012	Evidence of Overflow	Rags & Roots	N/A	Gwynns Falls	2701 Mount Holly St	21216
12/27/2012	Evidence of Overflow	Roots & Grease	N/A	None	4017 Kathland Ave	21207
12/27/2012	258	Rags & Grease	N/A	Gwynns Falls	4829 Reisterstown Rd	21215
12/27/2012	400	Rags & Roots	N/A	Herring Run	5713 Edgepark Rd	21239
12/28/2012	360	Rags & Roots	N/A	Jones Falls	700 W. University Pkwy	21211
12/28/2012	Evidence of Overflow	N/A	N/A	None	2014 McCulloh St	21217
12/29/2012	780	Rags, Roots & Grease	N/A	Jones Falls	Falls Rd & Hillside Rd	21210
12/29/2012	13635	Sand, Gravel, Rocks	N/A	Herring Run	Harford Rd & Parkside Dr	21214
12/30/2012	Evidence of Overflow	Rags & Debris	N/A	None	2949 Frederick Ave	21223
12/31/2012	48	Rags & Grease	N/A	High Level	900 Druid Hill Ave	21201
12/31/2012	165	Rags & Grease	N/A	Northwest Harbor	5701 O'Donnell St	21224
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 (December Rain Gauge data not available at time of this report.)						

Updated through December 31, 2012

Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) 12 /31/2012	Measures Taken to Identify Source or Resolve	Future/Planned Work
Priority #1	1/3/2002	Stony Run/University Parkway Hopkins House	21218	Jones Falls	Not Resolved	Resolved	31,104 (T)	Property Manager reported that work was completed on March 28, 2012. City cleaned remaining grease from line.	City will perform confirmatory testing. Test negative. This site is abated.
1	11/30/2007	Mannasota & Shannon	21213	Herring Run	Not Resolved	On-going	6,256,599 (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 required. Investigation scheduled for next quarter
2	4/11/2007	6225 York Rd behind Walker Mews Apartment Building	21212	Herring Run	Not Resolved	On-going	1,775,186 (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	2,230,362 (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. JHU is proceeding.
20	7/5/2006	W. 24th & Morton St.	21218	Jones Falls	Not Resolved	On-going	2,193,120 (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.
24	9/1/2004	Collins Ave (end of the 500 block)	21229	Gwynns Falls	Not Resolved	Resolved	1,030,320 (T)	Smoke testing was performed on 8/24/11. The on-call consultant is currently coordinating with property owners to continue further investigations. The property owner at 421 S . Augusta Ave. remain uncooperative and a violation notice was sent by HCD/HABC. One of the property owners re-routed the improperly connected house connection. Based on re-testing by SWMD at the manhole on Potter St., the SDUO has still not been abated. Dye test of 4113 showed that it is properly connected to the sewer. HCD is processing a violation.	A Violation Notice will not be issued. This location has been dry and more testing will be done to abate. Continues to be dry. Site is abated.

Updated through December 31, 2012

Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) 12 /31/2012	Measures Taken to Identify Source or Resolve	Future/Planned Work
32	5/19/2009	4016-4018 Rogers Ave. - Rogers Post Apartments	21207	Gwynns Falls	Not Resolved	On-going	663,487 (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	4,017,127 (T)	Confirmatory testing has shown that this SDUO is not resolved. Final section of pipe repaired. Flow and concentration reduced significantly, but not eliminated.	City will perform additional testing.
34	7/17/2009	Pall Mall Rd & Oswego Ave	21215	Jones Falls	Not Resolved	On-going	636,552 (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.
37	11/6/2009	Lakewood Ave & Madison St (Storm Drain)	21205	Inner Harbor	Not Resolved	Resolved	2,336,658 (T)	Each pipe was previously plugged and areas around plugs grouted in May 2011. Based on testing by SWMD, it appeared that the plugs and grouting worked initially and this location was determined to be resolved. SWMD retested on 7/26/2011 and found that grouting has not abated the problem and that sewage is now seeping into the drain through its bricklining. Extensive dye testing performed.	Dye testing was negative but Ammonia was positive. City evaluating options. Extensive dye testing negative.
38	11/6/2009	3302 Esther Place (inside 54" storm drain)	21212	Inner Harbor	Not Resolved	On-going	2,154,240 (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.
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	34,968 (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	135,648 (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
45	6/23/2010	5015 Greenleaf Rd.	21210	Stoney Run to Jones Falls	Not Resolved	Resolved	119,520 (T)	After investigation and construction of new manhole, UES recommends to CIPP line the sewer downstream of the newly constructed manhole.	Upon completion of lining, site will be retested to confirm success of the repair. Test is negative. Site is abated.

Updated through December 31, 2012

Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) /31/2012	Measures Taken to Identify Source or Resolve	Future/Planned Work
48	8/4/2010	3412 - 3418 Glenmore Ave	21214	Moores Run to Herring Run	Not Resolved	On-going	443,520 (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.	Investigation ongoing.
51	9/9/2010	Barre St. near Sterrett	21203	Inner Harbor	Not Resolved	On-going	21,833 (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	505,358 (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	Not Resolved	On-going	86,256 (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.
54	6/21/2011	Cylburn Ave at N. Parkway	21210	Jones Falls	Not Resolved	Resolved	672,480 (T)	Sewage is infiltrating the storm entering storm drain at Cylburn Ave. On 7/26/2011, on-call consultant recommended the sewer line be CIPP lined.	On Call Contractor to perform CIPP lining. Retest upon completion of lining to confirm success. Test is negative. Site is abated
55	8/9/2011	Mannasota Ave. at Parkside Drive	21206	Herring Run	Not Resolved	Resolved	15,445 (T)	Sewage seeping into storm drain through brick mortar. CCTV and dye testing performed. Results inconclusive to date. Requested CIPP lining 2/16/12.	Retest upon completion of lining to confirm success. Test is negative. Site is abated
56	8/23/2011	Clifton Road between Fairfax and Westchester Roads	21216	Gwynns Falls	Not Resolved	On-going	471,668 (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.
57	8/31/2011	Seabury & Hillview	21225	Patapsco	Not Resolved	On-going	251,918 (T)	CIPP Lining recommended and executed.	Additional lining recommended.

Updated through December 31, 2012

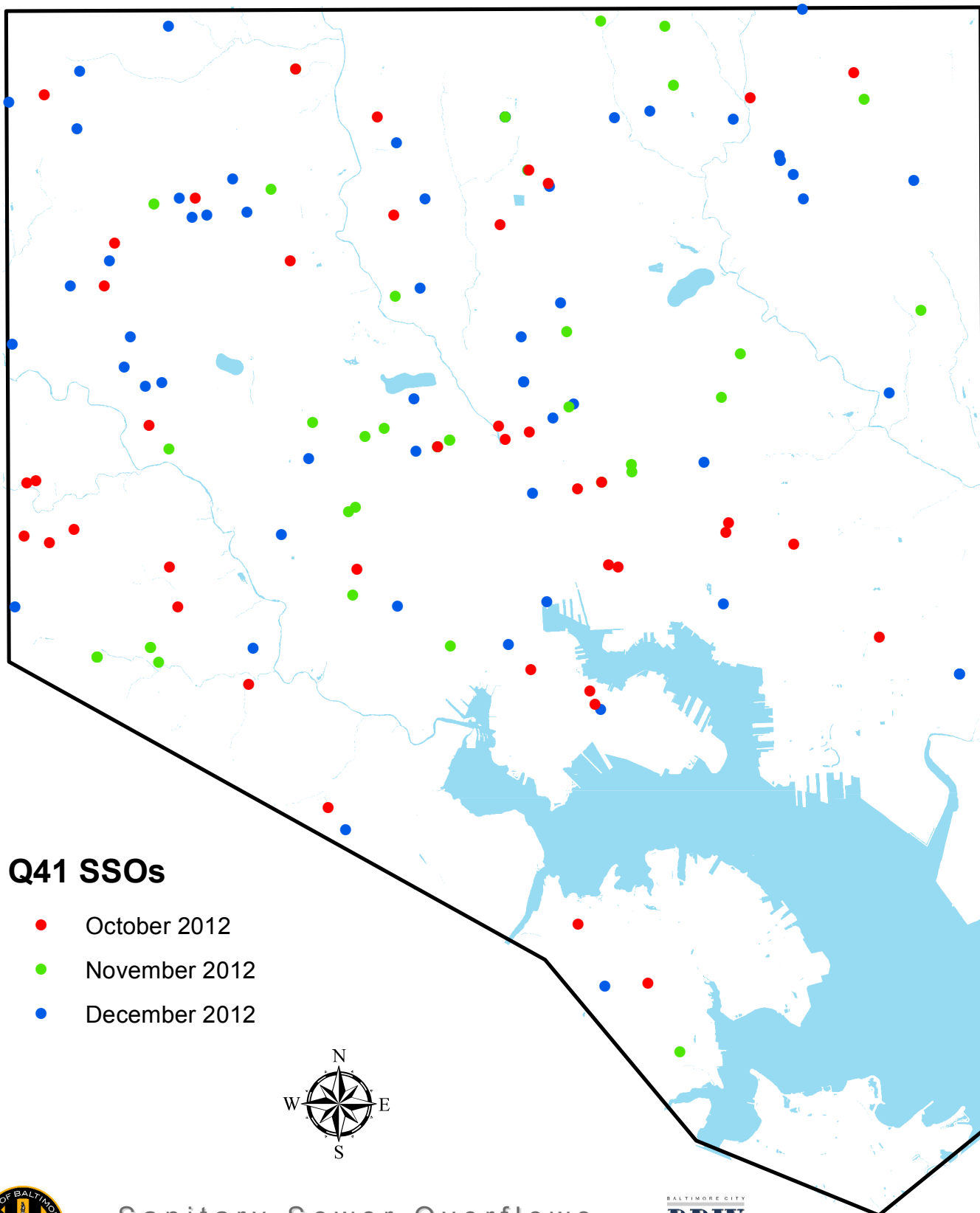
Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) 12 /31/2012	Measures Taken to Identify Source or Resolve	Future/Planned Work
59	11/22/2011	Fairmount and Bradford	21224	Inner Harbor	Not Resolved	On-going	50,637(A)	Performed dye test, excavated drain and performed CCTV. New manhole built.	Further investigation and development of recommendations.
60	11/22/2011	Milton & Chase	21213	Inner Harbor	Not Resolved	Resolved	112,680 (T)	Lining recommended 1/19/12.	Upon completion of lining, City will perform confirmatory testing. Test is negative. Site is abated
61	11/30/2011	Hilton St. Near Piedmont	21216	Gwynns Falls	Not Resolved	Resolved	139,218 (T)	New MH installed and CCTVed the line.	Scheduling additional CCTV. Test is negative. Site is abated
62	1/27/2012	JHU - Remsen Hall	21218	Johns Falls	Not Resolved	On-going	113,417 (A)	Met with representatives of Johns Hopkins University to discuss issue.	JHU is proceeding with repairs with repairs.
63	12/2/2011	Pinkney & Winner	21215	Johns Falls	Not Resolved	On-going	61,709 (T)	CIPP Lining recommended.	Retest upon completion of relining.
64	2/8/2012	Kresson St	21224	Baltimore Harbor	Not Resolved	Resolved	16,620 (T)	Illicit connection found. Owner reportedly proceeding with repair.	Retest upon completion of repairs. Test is negative. Site is abated
65	3/8/2012	Bentalou & Penrose	21223	Gwynns Falls	Not Resolved	Resolved	3,708 (T)	Dye testing performed 6/28/2012 confirmed pivate connection. A letter was sent to the propoerty owner requesting a corrective action taken. Owner reportedly proceeding with repair.	Recontact owner and test to confirm. Test is negative. Site is abated
66	10/11/2012	McMechen & Jordan	21217	Jones Falls	Not Resolved	On-going	765,643(T)	Dye test program, and CCTV, planned.	Under Investigation
67	9/26/2012	McMechen & Brevard	21217	Jones Falls	Not Resolved	On-going	483(T)	Dye test program, and CCTV, planned.	Under Investigation
68	10/11/2012	Mason & McMechen	21217	Jones Falls	Not Resolved	On-going	TBD	Dye test program, and CCTV, planned.	Under Investigation
69	12/4/2012	Fait & Grundy	21224	Inner Harbor	Not Resolved	On-going	1,227(A)	Dye test program, and CCTV, planned.	Under Investigation
70	12/5/2012	Haven & Bank	21224	Inner Harbor	Not Resolved	On-going	TBD	Dye test program, and CCTV, planned.	Under Investigation

Updated through December 31, 2012

Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) 12 /31/2012	Measures Taken to Identify Source or Resolve	Future/Planned Work
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	SDUO Site abated
	SDUO Site on Private Property

SDUO Summary: 1. Total SDUO Sites Documented: 72 2. Total SDUO Sites Resolved: 48 (67% Complete) 3. Total SDUO Sites on Private Property: 8 4. Total SDUO Sites Unresolved: 24 (33% Open) 5. New SDUO Sites documented in the last Quarter: 5 6. Under the column entitled "Date of Resolution", if the note reads Not Resolved an end date of 12/31/2012 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.	
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Q41 SSOs

- October 2012
- November 2012
- December 2012



Sanitary Sewer Overflows
October 2012 - December 2012



Updated: January 2013