

CITY OF BALTIMORE

STEPHANIE RAWLINGS-BLAKE, Mayor



DEPARTMENT OF PUBLIC WORKS

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

April 25, 2012

VIA OVERNIGHT MAIL

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
601 D Street NW, Room 6002
Washington, D.C. 20579

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

Michelle Price-Fay
Chief, NPDES Enforcement Branch
United States Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103

Chief
Enforcement Division, Compliance Program
Water Management Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, MD 21230

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
950 Pennsylvania Avenue, N.W.
Washington, D.C. 20530

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

Joyce A. Howell (3RC20) (Cover letter only)
Senior Assistant Regional Counsel
United States Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103

Principal Counsel
Maryland Department of the Environment
Office of the Attorney General
1800 Washington Boulevard
Baltimore, MD 21230

**RE: United States, et al. v. Mayor and City Council of Baltimore
Civil Action No. JFM-02-1524
Calendar Quarterly Report No. 38
For Calendar Quarter Ending March 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. 38, for the Calendar Quarter ending March 31, 2012.

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April 25, 2012
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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, Esq.
Mr. Mike Gallagher
Thak Bakhru, P.E.
Mr. Wazir Qadri
Sean Searles, P.E.
Arthur Jones-Dove, P.E.
Dana Cooper, Esq.
Ms. Dawn Lettman
File

City of Baltimore Sanitary Sewer Overflow Consent Decree

Civil Action No. JFM-02-1524

Calendar Quarterly Report No. 38
For Calendar Quarter ending March 31, 2012

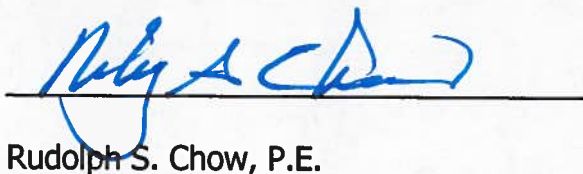
*Submitted:
April 30, 2012*

*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 March 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.**

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 March 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		
			January	February	March
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 December 2011 and January & February 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 March 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 March 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.**

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 March 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, 806 W University Pkwy and 6309 Greenspring Ave.

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. This location will be forwarded to HCD.

806 W University Pkwy: Upon further investigations, it was found that the area drain located on 806 W University Pkwy connects to an uncharted storm drain in the public right-of-way (ROW). This uncharted drain flows into a sanitary manhole. Therefore, 806 W University Pkwy has been determined not to be a private illegal connection, but a cross connection in the public ROW. The City is working expeditiously to address this newly found cross connection.

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. 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 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. DPW will coordinate with HCD for enforcement.**

An illegal connection was found at 702 W University Parkway. The location is being investigated.

- 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 March 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 March 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 March 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 March 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 March 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 March 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 March 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 March 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 March 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 March 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.
- 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 March 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 March 31, 2012 is provided in Appendix 5.

- B. During the calendar quarter ending March 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 March 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 March 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 March 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.** 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 Notice to Proceed (NTP) on December 29, 2009. **This project is currently in the construction phase.**

In addition, the City has selected the consultant for engineering services for SC 855 - ENR Modifications to the Existing Facilities at the Patapsco Wastewater Treatment Plant.

As of the calendar quarter ending March 31, 2012, this contract was advertised on April 30, 2010, and bids were due on June 30, 2010. The construction notice-to-proceed (NTP) was issued on February 22, 2011. **This project is currently in the construction phase.**

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

As of the calendar quarter ending March 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.

The reported volumes for the outstanding SDUO sites discovered prior to October 2008 were not estimated based on a start date of October 2008 (the date of approval of the quantification protocol by MDE/EPA). As a result, the volumes for seven (7) sites were overestimated. An amendment is issued to reports Q35 and Q36 to revise these volumes (included under a separate cover).

APPENDIX 1

STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS

APPENDIX 1
STATUS OF PARAGRAPHS OF CONSTRUCTION PROJECTS
As of March 31, 2012

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSO STRUCTURES ELIMINATED	STATUS
UPPER JONES FALLS SEWERSHED							
1	Western Run Interceptor (JPI Branch) Sanitary Contract Nos. 700 & 789	1. Install approximately 880 linear feet of 30-inch parallel relief sewer from JPIB49 to JPI10 (along JPI90A-JPI94) (SC760) 2. Install approximately 9,400 linear feet of 21- to 24-inch parallel relief sewer from JPI20 to JPI65 (SC789) 3. Rehabilitate approximately 3,300 linear feet of existing 18-inch sewer from JPI07 to JPI20 (SC789)	June 30, 2002	June 30, 2004	June 30, 2005	Eliminates SSO nos. 21, 22, 23, 24 and 29	Complete
2	Upper Jones Falls Interceptor (North & South of Pepsi Cola Plant) Sanitary Contract Nos. 772 & 824	1. Rehabilitation of approximately 1,800 linear feet of existing 42- to 48-inch sewer located between JPI01 (Mt. Washington Flume) and JPI10, and approximately 6,570 linear feet of 48- to 60-inch sewer located between JPI42 and the JPI70. Replacement of approximately 1,900 linear feet of 48" sewer between JPI10 and JPI18, and approximately 1,850 linear feet of 60" sewer between JPI10 and the Jones Falls Pumping Station (SC 772). 2. Replacement of approximately 7,080 linear feet of 48-inch sewer between JPI18 and JPI42 (SC 824). 3. Manhole and stream bank restoration.	June 30, 2004	December 27, 2006	12/30/2008 **	Eliminates SSO Nos. 33 and 34	SC 772- Practical Completion was achieved on June 30, 2006. SC 824 - Construction Phase** Letter sent to MDE and EPA on 6-25-07 requesting an extension of the SSO elimination date to December 2008. MDE response letter approving extension was received on September 5, 2007. Eliminated SSO Nos 33 and 34 on 12/10 and 12/23/08, respectively.
3	New Jones Falls Force Main/Pressure Sewer - Lower Section and Valves Improvements of existing force/pressure sewer Sanitary Contract Nos. SC779 & SC805	1. Replacement of approximately 1600 linear feet of force main/pressure sewer in Broadway from Oliver to East Chase Street connecting to High Level sewer (SC 779) 2. Improvements to gate valves, blow-off valves and air release valves for existing force main/pressure sewer (SC 805)	December 30, 2002	June 30, 2004	6/30/2005 - SEE STATUS	Contributes to elimination of SSO No. 5	SSO No. 5 cannot be eliminated until projects 4 and 5 are completed.
4	Jones Falls Pumping Station Force Main/Pressure Sewer Sanitary Contract No. 800	Upgrade existing force main/pressure sewer to handle increased flows from rehabilitated/upgraded Jones Falls Pumping Station as well as additional flows from possible future pumping stations in Stony Run and along the JCA branch	June 30, 2005	12/29/2007**	May 2, 2008	Contributes to elimination of SSO No. 5	Construction Phase** Letter sent to MDE and EPA on 6-11-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension received September 5, 2007. Letter sent to MDE and EPA on 12/17/07 requesting additional 60 day extension for practical completion. Practical completion occurred on 12/30/08. Extension request approval granted by MDE in a letter dated April 15, 2010. Awaiting response from EPA.
5	Jones Falls Pumping Station Sanitary Contract No. 822	Upgrade existing pumping station to handle at least 50 mgd	December 30, 2005	12/29/2007**	June 30, 2008	Eliminates SSO No. 5	Construction Phase** Letter sent to MDE and EPA on 6-11-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension received September 5, 2007. Beneficial Occupancy achieved 11/18/07.
6	Elimination of Collection System Overflows in Upper Jones Falls Sewershed Sanitary Contract No. 876	Assess hydraulics and design improvements to areas adjacent to overflows	Existing on-call contract	June 30, 2003	June 30, 2004	Eliminates SSO Nos. 20, 31, 32 and 36	Complete

APPENDIX 1
STATUS OF PARAGRAPHS OF CONSTRUCTION PROJECTS
As of March 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) (SC018) 2. Rehabilitation of approximately 16,500 linear feet of existing sewer ranging from 12- to 50-inch (SC773) 3. Inverted siphon rehabilitation in Falls Road (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 achieved on May 29, 2009 for the sewer portion of the Stony Run Interceptor (SC-839). The portion of the project is nearly complete. Flow monitoring at new Stony Run Pump Station on August 28, 2009. The City submitted an extension request to EPA and MDE for SSO 67 and 72 dated February 16, 2010 requesting an extension to February 28, 2011. The City further submitted another extension letter dated February 15, 2011, requesting an extension to June 29, 2019 to allow for adequate time for the City to complete the hydraulic restriction project at the BR-WWTP, which the City believes is a major contributor to not being able to eliminate these SSOs.
9	Maryland Avenue Interceptor (JGB Branch) Sanitary Contract No. 799	1. Replace (upsize) approximately 4,400 linear feet of existing 12- to 24-inch sewer with new 21- to 36-inch sewer along branch interceptor, excluding proposed 901 N. Howard project area. 2. Improvements to siphon/SSO No. 125 under I-83 (JGB18-JGB19) 3. Sewer replacement may require crossing the CLRL	December 30, 2003	July 14, 2005 *	June 30, 2006	Eliminates SSO Nos. 69 & 125	Complete
10	Greenmount Avenue Interceptor (JGA Branch)* Sanitary Contract No. 820, 833	1. Install approximately 7,325 linear feet of 36 to 42-inch parallel relief sewer from Bonaparte Avenue to the High level Interceptor on Exeter 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 achieved on May 27, 2008. Monitoring period began July 25, 2008.
11	Elimination of Siphon Blowoff (Siphon west of RR tracks) Sanitary Contract No. 830	1. Cleaning and inspection of siphon with repairs as necessary. 2. Elimination of blow-off.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO No. 68	Complete
* Approved by MDE/EPA. ** Approved by MDE. ***Approved by EPA							
HERRING RUN SEWERSHED							
12	Moore's Run Interceptor - Middle Section Storm Water Contract Nos. 7746 and 7751.	Construction of approximately 400 linear feet of 18-inch, approximately 600 linear feet of 21-inch, approximately 4900 linear feet 24-inch, approximately 1000 linear feet of 27-inch, and approximately 100 linear feet of 30-inch sewer to replace existing interceptor	June 30, 2003	July 14, and Sept 2, 2005**	June 30, 2006	Contributes to elimination of SSO Nos. 118 and 119	Complete
13	Moore's Run Interceptor - Lower Section Sanitary Contract No. 801 and 843	Construction of approximately 6900 linear feet of 42-inch, approximately 2700 linear feet of 36-inch siphon, and approximately 3700 linear feet of 54-inch sewer to replace the existing interceptor	June 30, 2005	June 30, 2007	June 30, 2008	Eliminates SSO No. 93 and 94	Construction Phase - Complete
14	Moore's Run Interceptor - Upper Section Sanitary Contract No. 817	Construction of approximately 1700 linear feet of 18-inch and approximately 2200 linear feet of 21-inch sewer to replace the existing interceptor	June 30, 2004	June 30, 2005	June 30, 2006	Contributes to elimination of SSO Nos. 118 and 119	Complete
15	Elimination of Collection System Overflows in Herring Run Sewershed	Assess hydraulics and design improvements to areas adjacent to overflows	Existing on-call contract	June 30, 2003	June 30, 2004	Eliminates SSO Nos. 88 and 109	Complete
16	Elimination of Siphon Blowoffs (Siphon No. 2 - Bay View Yard south of RR tracks; Siphon No. 4 - Bowleys Lane/Moravia Road) Sanitary Contract No. 830	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 92	Complete*

APPENDIX 1
STATUS OF PARAGROUNDED AND CONSTRUCTION PROJECTS
As of March 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
GWYNYS FALLS SEWERSHED							
17	Powder Mill System Improvements including GFG branch in Gwynys Falls Sewershed Sanitary Contract Nos. 777 & 804	Rehabilitation of approximately 12,000 linear feet of 12- to 24-inch conveyance piping (SC777) and approximately 33,000 linear feet of 8- to 10-inch collection piping (SC804)	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 28P, 29P and 33P	Complete
18	Dead Run System Improvements DRA Branch Sanitary Contract No. 788, 825	Clean, inspect and rehabilitate of approximately 20,000 linear feet of 12- to 24-inch conveyance piping (COE) and approximately 11,000 linear feet of 8- to 12-inch collection piping (SC788).	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 16P and 17P	Complete
19	Maidens Choice Interceptor Sanitary Contract No. 826	Clean, inspect, and rehabilitate 12,400 linear feet of 12- to 24-inch conveyance piping.	On-call contract	June 30, 2007	June 30, 2008	Eliminates SSO Nos. 23P and 24P	Construction Phase - Complete
20	Elimination of Siphon Blowoffs (Siphon No. 11 - Annapolis Road and Clare Street; Siphon No. 12 - Chesholm Rd. west of Franklinton Rd.) SC No. 827	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 84 and 22P	Complete*
COMBINED SEWER AREAS							
21	Walbrook Sanitary Contract No. 780	Implementation of Long Term Control Plan and combined sewer separation design in Walbrook area		June 30, 2002	June 30, 2003	Eliminates CSO No. 21P	Complete
22	Forest Park Sanitary Contract Nos. 780 and 813	Implementation of Long Term Control Plan and combined sewer separation design in Forest Park area	December 30, 2003	June 30, 2005	June 30, 2006	Eliminates CSO No. 13P and SSO Nos. 10P, 11P, 12P, 18P, 19P, 25P, 26P, 27P and 31P. SSO Nos. 10P, 18P, 19P & 31P are eliminated.	Complete
HIGH LEVEL SEWERSHED							
23	Gwynys Run Interceptor Sanitary Contract No. 812	Improvements to the Gwynys Run Interceptor	December 30, 2004	February 25, 2007	12/27/2007**	Eliminates SSO Nos. 106,107 and 130	Complete
24	Gwynys 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 Uneta Avenue) Sanitary Contract No. 827	1. Cleaning and inspection of siphon with repairs as necessary. 2. Elimination of blow-off.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO No. 32P	Complete
* Approved by MDE/PA. ** Approved by MDE. ***Approved by EPA							

APPENDIX 2

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of March 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.
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)	08/10/2012 (P)	02/10/2014 (P)	This contract was awarded to Metra Industries, who was the lowest bidder, on June 08, 2011. Notice-to-Proceed was issued on August 08, 2011. Sixth progress meeting was held on February 29, 2012. The seventh progress meeting has been scheduled for April 3, 2012. Cleaning of the outfall currently on-going.
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.

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

APPENDIX 3

LIST OF ILLEGAL CONNECTIONS

City of Baltimore Sanitary Sewer Overflow Consent Decree

March-12

Civil Action No. JFM-02-1524

List of Illegal Connections

Full Address	Test ID	Person/Entity Responsible	Source Type	Date Identified	Dye Result	Current Status	Comments
1. 5904 Berkeley Ave.	172B 12	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
2. 6203 Blimore Ave.	311A 2	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
3. 3310 Clark In.	212B 7	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
4. 3312 Clark In.	212B 6	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
5. 3601 Clark In.	256B 1	Property Owner	Area Drain	3/21/2005	Positive	Newly identified	Confirmed Not Illegal
6. 2238 Crest Rd.	14A 2	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
7. 2302 Crest Rd.	13A 5	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
8. 5616 Cross Country Blvd.	13A 6	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
9. 6309 Fairlane Dr.	99A 2	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
10. 6309 Fairlane Dr.	154B 2	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
11. 6908 Fieldcrest Rd.	154B 1	Property Owner	Downspout Connection	6/20/2005		Newly identified	Confirmed Not Illegal
12. 6908 Fieldcrest Rd.	272B 3	Property Owner	Downspout Connection	6/20/2005		Newly identified	Confirmed Not Illegal
13. 3800 Glenview Ave.	275B 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. No response was received from the property owner. This location will be forwarded to HCD for a violation notice.
14. 6309 Greenspring Ave.	153B 5	Property Owner	Downspout	6/18/2010		Illegal	
15. 2212 Ken Oak Rd.	153B 4	Property Owner	Area Drain	3/28/2005	Positive	Newly identified	Confirmed Not Illegal
16. 2212 Ken Oak Rd.	100A 1	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
17. 2416 Ken Oak Rd.	100A 2	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
18. 5609 Ken Ave.	103A 1	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
19. 5609 Ken Ave.	50B 4	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
20. 2504 Lantryvale Rd.	154B 7	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
21. 5815 Lochlea Rd.	116B 1	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
							A letter was sent to HCD on May 25, 2011, for further action. 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 requesting that the property owner be issued a violation notice. Property owner is not responsive. DPW will coordinate with HCD for enforcement.
22. 4424 Marble Hall Road		Property Manager	Stormwater Drain	4/13/2011		Illegal	
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.	78B 4	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
25. 5806 Park Heights Ave.	78B 2	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
26. 5806 Park Heights Ave.	78B 3	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
27. 5806 Park Heights Ave.	78B 9	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
28. 5806 Park Heights Ave.	78B 8	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
29. 5905 Park Heights Ave.	95B 2	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
30. 6414 Park Heights Ave.	315A 4	Property Owner	Downspout Connection	6/20/2005		Newly identified	Confirmed Not Illegal
31. 6414 Park Heights Ave.	315A 3	Property Owner	Area Drain	3/22/2005	Positive	Newly identified	Confirmed Not Illegal
32. 7126 Park Heights Ave.	280B 16	Property Owner	Downspout Connection	6/20/2005		Newly identified	Confirmed Not Illegal
33. 6311 Pearce Ave.	203B 5	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
34. 6311 Pearce Ave.	203B 4	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
35. 6106 Pimlico Rd.	135A 1	Property Owner	Driveway Drain	3/28/2005	Positive	Newly identified	Confirmed Not Illegal
36. 6306 Pimlico Rd.	127B 1	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
37. 5503 Rusk Ave.	30B 1	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
38. 3208 Shelburne Rd.	334A 1	Property Owner	Driveway Drain	3/15/2005	Positive	Newly identified	Confirmed Not Illegal
39. 1702 South Rd.	324A 2	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
40. 2117 Sulgrave Ave.	320B 6	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
41. 2607 Taney Rd.	183B 4	Property Owner	Driveway Drain	3/23/2005	Positive	Newly identified	Confirmed Not Illegal
42. 2615 Taney Rd.	183B 2	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
43. 2700 Taney Rd.	183B 8	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
44. 2808 Taney Rd.	182B 6	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
45. 2808 Taney Rd.	182B 5	Property Owner	Downspout	6/20/2005		Newly identified	Confirmed Not Illegal
46. 2810 W. Strathmore Ave.	180A 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
702 & W University Pkwy	32	Property Owner	Area Drain	7/11/2008	Positive	Illegal	Under investigation.
806							

APPENDIX 4

PUMPING STATION WORK ORDERS

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

QUERY NAME WOCMPMSAL
LIBRARY NAME MONTHLYRUN

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

DATE 04/04/12
TIME 15:06:53

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

Co No	Cost Center	Cost Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO Issue Date	WO Cmplt Date	Wrk Typ	Graft Code	Short-problem Description
11	PUMPING ST BRKLYN	12.81879	30	P	20120103	20120126	PM	INSPS	INSPECTION		
		12.81880	30	P	20120103	20120126	PM	INSPS	INSPECTION		
		12.81881	30	P	20120103	20120127	PM	INSPS	INSPECTION		
		12.81882	30	P	20120103	20120127	PM	INSPS	INSPECTION		
		12.81883	30	P	20120103	20120127	PM	INSPS	INSPECTION		
		12.81884	30	P	20120103	20120127	PM	INSPS	INSPECTION		
		12.81885	30	P	20120103	20120127	PM	INSPS	INSPECTION		
		12.81886	30	P	20120103	20120126	PM	INSPS	INSPECT AND CALIBRATE		
		12.81887	30	P	20120103	20120126	PM	INSPS	INSPECT AND CALIBRATE		
		12.81911	30	P	20120103	20120105	PM	MCHPS	INSPECTION		
		12.81996	30	P	20120104	20120123	PM	PM	CHECK VARIOUS COMPONENTS		
		12.81997	30	P	20120104	20120123	PM	PM	CHECK VARIOUS COMPONENTS		
		12.81998	30	P	20120104	20120123	PM	PM	CLEAN AND LUBRICATE UNIT		
		12.81999	30	P	20120104	20120123	PM	PM	CLEAN AND LUBRICATE		
		12.82000	30	P	20120104	20120123	PM	PM	CHECK VARIOUS UNITS		
		12.82001	30	P	20120104	20120123	PM	PM	LUBRICATION		
		12.82073	30	P	20120104	20120131	PM	ELCPS	INSPECT AND CLEAN.		
		12.82074	30	P	20120104	20120131	PM	ELCPS	INSPECT AND CLEAN.		
		12.82075	30	P	20120104	20120131	PM	ELCPS	INSPECT AND CLEAN.		
		12.82076	30	P	20120104	20120130	PM	ELCPS	INSPECT AND CLEAN.		
		12.82077	30	P	20120104	20120130	PM	ELCPS	INSPECT AND CLEAN.		
		12.82078	30	P	20120104	20120130	PM	ELCPS	INSPECT AND CLEAN.		
		12.82079	30	P	20120104	20120130	PM	ELCPS	INSPECT AND CLEAN.		
		12.82080	30	P	20120104	20120131	PM	ELCPS	INSPECTION		
		12.82081	30	P	20120104	20120130	PM	ELCPS	CLEAN, CHECK, LUBRICATE		
		12.82081	30	P	20120104	20120130	PM	ELCPS	CLEAN, CHECK, LUBRICATE		
		12.82082	30	P	20120104	20120130	PM	ELCPS	CLEAN, CHECK, LUBRICATE		
		12.82082	30	P	20120104	20120130	PM	ELCPS	CLEAN, CHECK, LUBRICATE		
		12.82083	30	P	20120104	20120130	PM	ELCPS	CLEAN, CHECK, LUBRICATE		
		12.82140	30	P	20120202	20120313	PM	BLDG	PAINT INSPECTION		
		12.82253	30	P	20120202	20120216	PM	PM	CHECK VARIOUS COMPONENTS		
		12.82254	30	P	20120202	20120216	PM	PM	OIL CHANGE.		
		12.82255	30	P	20120202	20120216	PM	PM	OIL CHANGE.		
		12.82256	30	P	20120202	20120216	PM	PM	CHECK VARIOUS COMPONENTS		
		12.82257	30	P	20120202	20120216	PM	PM	OIL CHANGE.		
		12.82258	30	P	20120202	20120216	PM	PM	CHECK VARIOUS COMPONENTS		
		12.82259	30	P	20120202	20120216	PM	PM	CHECK VARIOUS COMPONENTS		
		12.82260	30	P	20120202	20120216	PM	PM	INSPECT, CHECK VARIOUS COMPONENTS		
		12.82261	30	P	20120202	20120216	PM	PM	INSPECT, CHECK VARIOUS COMPONENTS		
		12.82262	30	P	20120202	20120216	PM	PM	LUBRICATION AND CHECKS		
		12.82263	30	P	20120202	20120216	PM	PM	CHECK UNIT (GEAR REDUCER)		
		12.82263	30	P	20120202	20120216	PM	PM	CHECK UNIT (GEAR REDUCER)		
		12.82264	30	P	20120202	20120216	PM	PM	CLEAN AND LUBRICATE UNIT		
		12.82265	30	P	20120202	20120216	PM	PM	CLEAN AND LUBRICATE UNIT		
		12.82265	30	P	20120202	20120216	PM	PM	CLEAN AND LUBRICATE UNIT		
		12.82266	30	P	20120202	20120216	PM	PM	CLEAN AND LUBRICATE UNIT		
		12.82267	30	P	20120202	20120216	PM	PM	CLEAN AND LUBRICATE UNIT		
		12.82267	30	P	20120202	20120216	PM	PM	CLEAN AND LUBRICATE UNIT		

Oct. 01, '11 - Dec. 30, '11
PUMPING STATIONS - PM only

BRKLYN DUNDAL EASTER JF
as of 15:06:53
**LOCPO MCST QUAD WSTPT ** on 04/04/12

Co No	Cost Center	Cost Loc Id	Parent WO	Suf	Sts	WO TYPE	WO	Issue Date	WO	Cmplt Date	Wrk Typ	Craft Code	Short problem Description
11	PUMPING ST BRKLYN	12.82268	30	P	30	P	20120202	20120202	20120216	PM	PM		CLEAN AND LUBRICATE
		12.82269	30	P	30	P	20120202	20120202	20120216	PM	PM		CLEAN AND LUBRICATE
		12.82270	30	P	30	P	20120202	20120202	20120216	PM	PM		CLEAN AND LUBRICATE
		12.82271	30	P	30	P	20120202	20120202	20120216	PM	PM		CLEAN AND LUBRICATE
		12.82272	30	P	30	P	20120202	20120202	20120216	PM	PM		CHECK VARIOUS UNITS
		12.82273	30	P	30	P	20120202	20120202	20120216	PM	PM		CHECK VARIOUS UNITS
		12.82274	30	P	30	P	20120202	20120202	20120216	PM	PM		INSPECTION
		12.82275	30	P	30	P	20120202	20120202	20120216	PM	PM		CHECK VARIOUS COMPONENTS AND LUBRICATE
		12.82276	30	P	30	P	20120202	20120202	20120216	PM	PM		INSPECT NORMAL OPERATION
		12.82277	30	P	30	P	20120202	20120202	20120216	PM	PM		INSPECT NORMAL OPERATION
		12.82278	30	P	30	P	20120202	20120202	20120216	PM	PM		CHECK NORMAL OPERATION
		12.82336	30	P	30	P	20120202	20120202	20120206	PM	ELCPS		CHECK OPERATION/INSPECTION
		12.82337	30	P	30	P	20120202	20120202	20120206	PM	ELCPS		CLEAN, CHECK, LUBRICATE
		12.82337	30	P	30	P	20120202	20120202	20120206	PM	ELCPS		CLEAN, CHECK, LUBRICATE
		12.82417	25	P	25	P	20120301	20120301		PM	HA		INSPECT AIR FILTERS
		12.82495	25	P	25	P	20120301	20120301		PM	INSPS		INSPECTION
		12.82496	25	P	25	P	20120301	20120301		PM	INSPS		INSPECTION
		12.82497	25	P	25	P	20120301	20120301		PM	INSPS		INSPECTION
		12.82498	25	P	25	P	20120301	20120301		PM	INSPS		INSPECTION
		12.82499	30	P	30	P	20120301	20120301	20120319	PM	INSPS		INSPECTION
		12.82500	30	P	30	P	20120301	20120301	20120320	PM	INSPS		INSPECTION
		12.82501	30	P	30	P	20120301	20120301	20120302	PM	INSPS		INSPECTION
		12.82502	30	P	30	P	20120301	20120301	20120310	PM	INSPS		INSPECTION
		12.82503	30	P	30	P	20120301	20120301	20120319	PM	INSPS		INSPECTION
		12.82504	25	P	25	P	20120301	20120301		PM	INSPS		CHECK COMPONENTS
		12.82505	25	P	25	P	20120301	20120301		PM	INSPS		INSPECTION
		12.82506	30	P	30	P	20120301	20120301	20120316	PM	INSPS		INSPECTION
		12.82507	30	P	30	P	20120301	20120301	20120316	PM	INSPS		INSPECTION
		12.82508	30	P	30	P	20120301	20120301	20120320	PM	INSPS		CLEAN AND INSPECT
		12.82509	30	P	30	P	20120301	20120301	20120319	PM	INSPS		CLEAN AND INSPECT
		12.82574	30	P	30	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND LUBRICATE
		12.82575	30	P	30	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND LUBRICATE
		12.82576	30	P	30	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND LUBRICATE
		12.82577	30	P	30	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND CLEAN.
		12.82578	30	P	30	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND LUBRICATE
		12.82579	25	P	25	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND LUBRICATE
		12.82580	30	P	30	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND LUBRICATE
		12.82581	30	P	30	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND LUBRICATE
		12.82582	30	P	30	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND LUBRICATE
		12.82583	30	P	30	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND LUBRICATE
		12.82583	30	P	30	P	20120301	20120301	20120306	PM	ELEC		INSPECT AND LUBRICATE
		12.82584	30	P	30	P	20120301	20120301	20120306	PM	ELCPS		INSPECT AND LUBRICATE
		12.82672	25	P	25	P	20120301	20120301		PM	PM		CHECK VARIOUS COMPONENTS
		12.82672	25	P	25	P	20120301	20120301		PM	PM		CHECK VARIOUS COMPONENTS
		12.82673	25	P	25	P	20120301	20120301		PM	PM		CHECK VARIOUS COMPONENTS
		12.82674	25	P	25	P	20120301	20120301		PM	PM		CLEAN AND LUBRICATE UNIT
		12.82675	25	P	25	P	20120301	20120301		PM	PM		CLEAN AND LUBRICATE
		12.82676	25	P	25	P	20120301	20120301		PM	PM		CHECK VARIOUS UNITS

Co	Cost	Cost	Parent	WO	WO	TYPE	WO	WO	Issue	WO	Wrk	Craft	Short problem
No	Center	Loc	WO	Suf	Sts				Date		Typ	Code	Description
		Id	Number										
Total W/O's for Location BRKLYN:													
COUNT 96													
11	PUMPING ST DUNDAL	12.81870	30	P	20120103	20120223	PM	INSPS	INSPECT AND CALIBRATE				
		12.81871	30	P	20120103	20120215	PM	INSPS	INSPECTION				
		12.81872	30	P	20120103	20120222	PM	INSPS	PURGE TRANSMITTER.				
		12.81873	30	P	20120103	20120215	PM	INSPS	INSPECT AND CALIBRATE				
		12.81874	30	P	20120103	20120223	PM	INSPS	INSPECT AND CALIBRATE				
		12.81875	30	P	20120103	20120223	PM	INSPS	INSPECT AND CALIBRATE				
		12.81876	30	P	20120103	20120215	PM	INSPS	INSPECTION				
		12.81877	30	P	20120103	20120222	PM	INSPS	INSPECTION				
		12.81878	30	P	20120103	20120222	PM	INSPS	INSPECT AND CLEAN				
		12.81907	30	P	20120103	20120118	PM	MCHPS	CLEAN VACUUM LINES				
		12.81908	30	P	20120103	20120113	PM	MCHPS	CLEAN VACUUM LINES				
		12.81909	30	P	20120103	20120113	PM	MCHPS	INSPECTION				
		12.81910	30	P	20120103	20120113	PM	MCHPS	INSPECTION				
		12.81988	30	P	20120104	20120214	PM	PM	INSPECT AND LUBRICATE				
		12.81989	30	P	20120104	20120214	PM	PM	OIL CHANGE				
		12.81990	30	P	20120104	20120214	PM	PM	INSPECT AND LUBE GATE				
		12.81991	30	P	20120104	20120214	PM	PM	INSPECT AND LUBE GATE				
		12.81992	30	P	20120104	20120214	PM	PM	INSPECT AND LUBE GATE				
		12.81993	30	P	20120104	20120214	PM	PM	INSPECT AND LUBE GATE				
		12.81994	30	P	20120104	20120214	PM	PM	INSPECTION.				
		12.81995	30	P	20120104	20120214	PM	PM	MONTHLY INSPECTION				
		12.82041	30	P	20120104	20120229	PM	ELCPS	CHECK OPERATOIN.				
		12.82042	30	P	20120104	20120229	PM	ELCPS	CHECK OPERATOIN.				
		12.82043	30	P	20120104	20120229	PM	ELCPS	CHECK OPERATOIN.				
		12.82044	30	P	20120104	20120229	PM	ELCPS	REPLACE BATTERY				
		12.82045	30	P	20120104	20120213	PM	ELCPS	INSPECT AND LUBRICATE				
		12.82046	30	P	20120104	20120213	PM	ELCPS	INSPECT AND LUBRICATE				
		12.82047	30	P	20120104	20120213	PM	ELCPS	INSPECT AND LUBRICATE				
		12.82048	30	P	20120104	20120224	PM	ELCPS	INSPECT AND LUBRICATE				
		12.82049	30	P	20120104	20120224	PM	ELCPS	INSPECT AND LUBRICATE				
		12.82050	30	P	20120104	20120126	PM	ELCPS	INSPECT AND LUBRICATE				
		12.82051	30	P	20120104	20120126	PM	ELCPS	INSPECT AND LUBRICATE				
		12.82052	30	P	20120104	20120209	PM	ELCPS	TEST AND INSPECT				
		12.82053	30	P	20120104	20120209	PM	ELCPS	TEST AND INSPECT				
		12.82054	30	P	20120104	20120209	PM	ELCPS	TEST AND INSPECT				
		12.82055	30	P	20120104	20120213	PM	ELCPS	INSPECT AND LUBRICATE				
		12.82056	30	P	20120104	20120213	PM	ELCPS	CLEAN AND INSPECT				
		12.82057	30	P	20120104	20120209	PM	ELCPS	CLEAN AND INSPECT				
		12.82058	30	P	20120104	20120209	PM	ELCPS	CLEAN AND INSPECT				
		12.82059	30	P	20120104	20120224	PM	ELCPS	INSPECTION				
		12.82060	30	P	20120104	20120224	PM	ELCPS	ANNUAL INSPECTION				
		12.82061	30	P	20120104	20120223	PM	ELCPS	ANNUAL INSPECTION				
		12.82062	30	P	20120104	20120224	PM	ELCPS	ANNUAL INSPECTION				
		12.82063	30	P	20120104	20120223	PM	ELCPS	ANNUAL INSPECTION				
		12.82064	30	P	20120104	20120224	PM	ELCPS	ANNUAL INSPECTION				

INSPECTION AND CLEANING

04/04/12 15:06:53

Total Issued W/O's

Mike

Locations:

WOCMPMSAL

PAGE 5

Oct. 01, '11 - Dec. 30, '11 **BRKLYN DUNDAL EASTER JF** as of 15:06:53
PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 04/04/12

Co No	Cost Center	Cost Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO Issue Date	WO Cmplt Date	Wrck Typ	Craft Code	Short-problem Description
11	PUMPING ST DUNDAL	12.82320			30	P	20120202	20120305	PM	ELCPS	INSPECT AND LUBRICATE
		12.82321			30	P	20120202	20120307	PM	ELCPS	CLEAN AND INSPECT
		12.82322			30	P	20120202	20120305	PM	ELCPS	CHECK FLOAT SWITCH & LUBE MECHANICAL.
		12.82323			30	P	20120202	20120305	PM	ELCPS	CHECK FLOAT SWITCH & LUBE MECHANICAL.
		12.82324			30	P	20120202	20120307	PM	ELCPS	CLEAN AND INSPECT
		12.82325			30	P	20120202	20120308	PM	ELCPS	CLEAN AND INSPECT
		12.82326			30	P	20120202	20120307	PM	ELCPS	CLEAN AND INSPECT
		12.82327			30	P	20120202	20120308	PM	ELCPS	CLEAN AND INSPECT
		12.82328			30	P	20120202	20120307	PM	ELCPS	CLEAN AND INSPECT
		12.82329			30	P	20120202	20120308	PM	ELCPS	CLEAN AND INSPECT
		12.82330			30	P	20120202	20120307	PM	ELCPS	CLEAN AND INSPECT
		12.82331			30	P	20120202	20120307	PM	ELCPS	CLEAN AND INSPECT
		12.82332			30	P	20120202	20120312	PM	ELCPS	ANNUAL INSPECTION AND CLEANING
		12.82333			30	P	20120202	20120312	PM	ELCPS	ANNUAL INSPECTION AND CLEANING
		12.82334			30	P	20120202	20120312	PM	ELCPS	ANNUAL INSPECTION AND CLEANING
		12.82335			30	P	20120202	20120312	PM	ELCPS	ANNUAL INSPECTION AND CLEANING
		12.82406			25	P	20120301		PM	HA	INSPECTION
		12.82407			25	P	20120301		PM	HA	INSPECTION
		12.82408			25	P	20120301		PM	HA	INSPECTION
		12.82409			25	P	20120301		PM	HA	INSPECTION
		12.82410			25	P	20120301		PM	HA	INSPECTION
		12.82411			25	P	20120301		PM	HA	INSPECTION
		12.82412			25	P	20120301		PM	HA	INSPECTION
		12.82413			25	P	20120301		PM	HA	INSPECTION
		12.82414			25	P	20120301		PM	HA	INSPECTION
		12.82415			25	P	20120301		PM	HA	INSPECTION
		12.82416			25	P	20120301		PM	HA	CLEAN AND INSPECT
		12.82431			30	P	20120301	20120315	PM	MCHPS	INSPECTION
		12.82432			30	P	20120301	20120308	PM	MCHPS	INSPECTION
		12.82433			30	P	20120301	20120308	PM	MCHPS	INSPECTION
		12.82479			30	P	20120301	20120313	PM	INSPS	INSPECT AND CALIBRATE
		12.82480			30	P	20120301	20120313	PM	INSPS	INSPECTION
		12.82481			30	P	20120301	20120313	PM	INSPS	INSPECTION
		12.82482			30	P	20120301	20120316	PM	INSPS	INSPECTION
		12.82483			30	P	20120301	20120315	PM	INSPS	INSPECTION
		12.82484			30	P	20120301	20120313	PM	INSPS	PURGE TRANSMITTER.
		12.82485			30	P	20120301	20120316	PM	INSPS	INSPECT AND CALIBRATE
		12.82486			30	P	20120301	20120316	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82487			30	P	20120301	20120316	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82488			30	P	20120301	20120316	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82489			30	P	20120301	20120314	PM	INSPS	INSPECTION
		12.82490			30	P	20120301	20120315	PM	INSPS	INSPECTION
		12.82491			30	P	20120301	20120313	PM	INSPS	INSPECTION
		12.82492			30	P	20120301	20120313	PM	INSPS	INSPECTION
		12.82493			30	P	20120301	20120315	PM	INSPS	INSPECT AND CLEAN
		12.82567			30	P	20120301	20120315	PM	ELCPS	INSPECTION, (CONTROLS).
		12.82568			30	P	20120301	20120315	PM	ELCPS	CLEAN/INSPECT/CALIBRT.MERCROID SWITCHES.
		12.82569			30	P	20120301	20120315	PM	ELCPS	CLEAN/INSPECT/CALIBRT.

Co No	Cost Center	Cost Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO	Issue Date	WO Cmpl Date	Wrk Craft	Type	Code	Short Description
11	PUMPING ST DUNDAL	12.82570			30	P	20120301	20120301	20120316	PM	ELCPS		CLEAN/INSPECT/CALIBRT.
		12.82571			30	P	20120301	20120301	20120316	PM	ELCPS		CLEAN AND INSPECT
		12.82572			30	P	20120301	20120301	20120316	PM	ELCPS		CLEAN AND INSPECT
		12.82572			30	P	20120301	20120301	20120316	PM	ELCPS		CLEAN AND INSPECT
		12.82668			25	P	20120301	20120301		PM	PM		LUBE COUPLING
		12.82668			25	P	20120301	20120301		PM	PM		LUBE COUPLING
		12.82669			25	P	20120301	20120301		PM	PM		OIL CHANGE.
		12.82670			25	P	20120301	20120301		PM	PM		LUBE COUPLING
		12.82670			25	P	20120301	20120301		PM	PM		LUBE COUPLING
		12.82671			25	P	20120301	20120301		PM	PM		OIL CHANGE.

Total W/O's for Location DUNDAL:
COUNT 151

EASTER	12.81855	25	P	20120103	PM	BLDG	EXTERMINATE LOCKER RM. LOWER LEVEL.
	12.81856	25	P	20120103	PM	BLDG	COMPUTER PAPER PICK-UP
	12.81858	30	P	20120103	PM	INSPS	INSPECTION
	12.81859	30	P	20120103	PM	INSPS	INSPECTION
	12.81860	30	P	20120103	PM	INSPS	INSPECT AND CALIBRATE
	12.81898	30	P	20120103	PM	MCHPS	INSPECTION
	12.81899	30	P	20120103	PM	MCHPS	CLEAN VACUUM LINES #1 THRU #6 PUMPS
	12.81900	30	P	20120103	PM	MCHPS	INSPECTION
	12.81901	30	P	20120103	PM	MCHPS	INSPECTION
	12.81902	30	P	20120103	PM	MCHPS	INSPECTION
	12.81903	30	P	20120103	PM	MCHPS	INSPECTION
	12.81904	30	P	20120103	PM	MCHPS	INSPECTION
	12.81905	30	P	20120103	PM	MCHPS	INSPECTION
	12.81906	30	P	20120103	PM	MCHPS	INSPECTION
	12.81922	30	P	20120104	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	12.81923	30	P	20120104	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	12.81924	30	P	20120104	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	12.81925	30	P	20120104	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	12.81926	30	P	20120104	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
	12.81927	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81928	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81929	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81930	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81931	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81932	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81933	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81934	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81935	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81936	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81937	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81939	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81940	25	P	20120104	PM	PM	INSPECT AND LUBRICATE.
	12.81941	30	P	20120104	PM	PM	CHECK VARIOUS COMPONENTS
	12.81941	30	P	20120104	PM	PM	CHECK VARIOUS COMPONENTS

04/04/12 15:06:53

Total Issued W/O's

Mike

Locations:

WOCOMPSAL

PAGE 9

Oct. 01, '11 - Dec. 30, '11
PUMPING STATIONS - PM only

BRKLYN DUNDAL EASTER JF as of 15:06:53
**LOCPO MCST QUAD WSTPT ** on 04/04/12

Co No	Cost Center	Cost Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO Issue Date	WO Cmpl't Date	Wrk Typ	Craft Code	Short-problem Description
11	PUMPING ST EASTER	12.82443		25	P	20120301			PM	INSPS	INSPECT/CLEAN/CALIBRATE
		12.82444		25	P	20120301			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82445		25	P	20120301			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82446		25	P	20120301			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82447		25	P	20120301			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82448		25	P	20120301			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82449		25	P	20120301			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82450		25	P	20120301			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82451		25	P	20120301			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82452		25	P	20120301			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82453		25	P	20120301			PM	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82454		25	P	20120301			PM	INSPS	INSPECT PRESSURE DEVICES
		12.82455		25	P	20120301			PM	INSPS	INSPECTION
		12.82456		25	P	20120301			PM	INSPS	INSPECTION
		12.82457		25	P	20120301			PM	INSPS	CLEAN AND INSPECT
		12.82535		25	P	20120301		20120326	PM	ELCPS	CLEAN AND INSPECT
		12.82536		25	P	20120301		20120326	PM	ELCPS	CLEAN AND INSPECT
		12.82537		25	P	20120301		20120326	PM	ELCPS	INSPECT AND CLEAN
		12.82538		25	P	20120301		20120326	PM	ELCPS	CHECK VARIOUS UNITS
		12.82539		25	P	20120301		20120326	PM	ELCPS	CLEAN AND INSPECT
		12.82611		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		12.82612		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		12.82613		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		12.82614		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		12.82615		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO
		12.82616		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82617		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82618		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82619		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82620		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82621		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82622		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82623		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82624		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82625		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82626		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82628		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
		12.82629		25	P	20120301			PM	PM	INSPECT AND LUBRICATE.
12.82630		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS		
12.82631		25	P	20120301			PM	PM	OIL CHANGE		
12.82632		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS		
12.82633		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS		
12.82633		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS		
12.82634		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS		
12.82635		25	P	20120301			PM	PM	CHECK VARIOUS COMPONENTS		
12.82636		25	P	20120301			PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS		
12.82637		25	P	20120301			PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS		
12.82638		25	P	20120301			PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS		

Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short
No	Center	Loc	WO	Suf	Sts			Date		Type	Code	Description
		Id	Number									
11	PUMPING ST EASTER	12.82639	12.82640		25	P	20120301		PM	PM	PM	LUBRICATION AND CHECKS
		12.82641	12.82642		25	P	20120301		PM	PM	PM	CHECK UNIT AND CLEAN (GEAR REDUCER)
		12.82643	12.82644		25	P	20120301		PM	PM	PM	CHECK UNIT AND CLEAN (GEAR REDUCER)
		12.82645	12.82646		25	P	20120301		PM	PM	PM	LUBRICATION AND CHECKS
		12.82647	12.82648		25	P	20120301		PM	PM	PM	CHECK GATE AND LUBRICATE
		12.82649	12.82650		25	P	20120301		PM	PM	PM	CHECK GATE AND LUBRICATE
		12.82651	12.82652		25	P	20120301		PM	PM	PM	CHECK GATE AND LUBRICATE
		12.82653	12.82654		25	P	20120301		PM	PM	PM	CHECK GATE AND LUBRICATE
		12.82655	12.82656		25	P	20120301		PM	PM	PM	CLEAN AND LUBRICATE
		12.82657	12.82658		25	P	20120301		PM	PM	PM	CLEAN AND LUBRICATE
		12.82659	12.82660		25	P	20120301		PM	PM	PM	CLEAN AND LUBRICATE
		12.82661	12.82662		25	P	20120301		PM	PM	PM	CHECK VARIOUS UNITS
		12.82663	12.82664		25	P	20120301		PM	PM	PM	CHECK VARIOUS UNITS
		12.82665	12.82666		25	P	20120301		PM	PM	PM	CHECK VARIOUS UNITS
		12.82667	12.82668		25	P	20120301		PM	PM	PM	CHECK VARIOUS UNITS
					25	P	20120301		PM	PM	PM	INSPECTION
					25	P	20120301		PM	PM	PM	INSPECTION
					25	P	20120301		PM	PM	PM	CHANGE OIL AND FILTER.
					25	P	20120301		PM	PM	PM	CHANGE OIL AND FILTER.
					25	P	20120301		PM	PM	PM	INSPECTION
					25	P	20120301		PM	PM	PM	INSPECTION
					25	P	20120301		PM	PM	PM	INSPECT NORMAL OPERATION
					25	P	20120301		PM	PM	PM	INSPECT NORMAL OPERATION
					25	P	20120301		PM	PM	PM	INSPECT NORMAL OPERATION
					25	P	20120301		PM	PM	PM	INSPECT NORMAL OPERATION
					25	P	20120301		PM	PM	PM	INSPECT VARIOUS COMPONENTS
					25	P	20120301		PM	PM	PM	INSPECT VARIOUS COMPONENTS
					25	P	20120301		PM	PM	PM	INSPECT VARIOUS COMPONENTS
Total W/O's for Location EASTER:												
COUNT 207												
JF	12.81861	30	P	20120103	20120124	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
	12.81862	30	P	20120103	20120124	PM	INSPS	INSPECT AND CALIBRATE				
	12.81863	30	P	20120103	20120124	PM	INSPS	INSPECT AND CALIBRATE				
	12.81864	30	P	20120103	20120124	PM	INSPS	INSPECT AND CALIBRATE				
	12.81977	25	P	20120104		PM	PM	CLEAN AND LUBRICATE				
	12.81978	25	P	20120104		PM	PM	CLEAN AND LUBRICATE				
	12.81979	25	P	20120104		PM	PM	CLEAN AND LUBRICATE				
	12.81980	25	P	20120104		PM	PM	INSPECT AND LUBRICATE PUMP				
	12.81981	25	P	20120104		PM	PM	INSPECT AND LUBRICATE PUMP				
	12.81982	25	P	20120104		PM	PM	LUBRICATION AND CHECKS				
	12.81983	25	P	20120104		PM	PM	LUBRICATION AND CHECKS				
	12.81984	25	P	20120104		PM	PM	CHECK OPERATION				
	12.81985	25	P	20120104		PM	PM	INSPECTION				
	12.81986	25	P	20120104		PM	PM	INSPECTION				
	12.82031	30	P	20120104	20120124	PM	ELCPS	CHECK, BATTERIES & LIGHT				

Co No	Cost Center	Cost Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO Issue Date	WO Cmplt Date	Wrk Craft Type Code	Short problem Description
11	PUMPING ST JF		12.82031		30	P	20120104	20120124	PM ELEC	CHECK, BATTERIES& LIGHT
			12.82032		30	P	20120104	20120302	PM ELCPS	INSPECT AND LUBRICATE
			12.82033		30	P	20120104	20120302	PM ELCPS	INSPECT AND LUBRICATE
			12.82034		30	P	20120104	20120302	PM ELCPS	INSPECT AND LUBRICATE.
			12.82034		30	P	20120104	20120302	PM PM	INSPECT AND LUBRICATE.
			12.82035		30	P	20120104	20120202	PM ELCPS	INSPECT AND LUBRICATE
			12.82036		30	P	20120104	20120302	PM ELCPS	CLEAN & INSPECT
			12.82037		30	P	20120104	20120302	PM ELCPS	CLEAN & INSPECT
			12.82185		25	P	20120202		PM PM	INSPECTION.
			12.82186		25	P	20120202		PM PM	CHANGE OIL (REDUCER)
			12.82187		25	P	20120202		PM PM	CHANGE OIL (REDUCER)
			12.82188		25	P	20120202		PM PM	CLEAN, LUBRICATE
			12.82189		25	P	20120202		PM PM	INSPECT AND LUBRICATE CRANE
			12.82190		25	P	20120202		PM PM	INSPECT AND LUBE CRANE
			12.82191		25	P	20120202		PM PM	INSPECTION
			12.82192		25	P	20120202		PM PM	INSPECTION
			12.82193		25	P	20120202		PM PM	INSPECTION
			12.82305		25	P	20120202	20120322	PM ELCPS	CHECK VARIOUS UNITS
			12.82306		25	P	20120202	20120322	PM ELCPS	CHECK VARIOUS UNITS
			12.82307		25	P	20120202	20120322	PM ELCPS	CHECK VARIOUS UNITS
			12.82308		25	P	20120202	20120322	PM ELCPS	CHECK VARIOUS UNITS
			12.82309		25	P	20120202	20120322	PM ELCPS	CHECK VARIOUS UNITS
			12.82310		25	P	20120202	20120322	PM ELCPS	CHECK VARIOUS UNITS
			12.82311		25	P	20120202	20120321	PM ELCPS	CHECK VARIOUS UNITS
			12.82312		25	P	20120202	20120321	PM ELCPS	ANNUAL INSPECTION AND LUBRICATION
			12.82313		25	P	20120202	20120322	PM ELCPS	ANNUAL INSPECTION AND LUBRICATION
			12.82314		30	P	20120202	20120227	PM ELCPS	ANNUAL INSPECTION
			12.82315		30	P	20120202	20120227	PM ELCPS	ANNUAL INSPECTION
			12.82316		30	P	20120202	20120227	PM ELCPS	ANNUAL INSPECTION
			12.82317		30	P	20120202	20120227	PM ELCPS	ANNUAL INSPECTION
			12.82405		25	P	20120301		PM HA	INSPECTION
			12.82429		30	P	20120301	20120313	PM MCHPS	INSPECTION
			12.82458		25	P	20120301		PM INSPS	CLEAN/INSPECT/CALIBRATE
			12.82459		25	P	20120301		PM INSPS	CLEAN/INSPECT/CALIBRATE
			12.82460		25	P	20120301		PM INSPS	CLEAN/INSPECT/CALIBRATE
			12.82461		25	P	20120301		PM INSPS	CLEAN/INSPECT/CALIBRATE
			12.82462		25	P	20120301		PM INSPS	CLEAN/INSPECT/CALIBRATE
			12.82463		25	P	20120301		PM INSPS	CLEAN/INSPECT/CALIBRATE
			12.82464		25	P	20120301		PM INSPS	CLEAN/INSPECT/CALIBRATE
			12.82465		25	P	20120301		PM INSPS	INSPECTION
			12.82466		25	P	20120301		PM INSPS	CLEAN/INSPECT/CALIBRATE
			12.82467		25	P	20120301		PM INSPS	INSPECTION
			12.82468		25	P	20120301		PM INSPS	CLEAN AND INSPECT
			12.82540		25	P	20120301	20120321	PM ELCPS	INSPECT AND LUBRICATE
			12.82541		25	P	20120301	20120321	PM ELCPS	INSPECT AND LUBRICATE
			12.82542		25	P	20120301	20120321	PM ELCPS	INSPECT AND LUBRICATE
			12.82543		25	P	20120301	20120322	PM ELCPS	INSPECT AND LUBRICATE
			12.82544		25	P	20120301	20120322	PM ELCPS	INSPECT AND LUBRICATE

Co No	Cost Center	Cost Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO Issue Date	WO Cmpl't Date	Craft Typ	Short-problem Description
11	PUMPING ST JF		12.82546		25	P	20120301		PM	ELCPS ANNUAL INSPECTION
			12.82547		25	P	20120301		PM	ELCPS ANNUAL INSPECTION
			12.82548		25	P	20120301		PM	ELCPS INSPECT AND CLEAN
			12.82549		25	P	20120301		PM	ELCPS INSPECT AND CLEAN
			12.82550		25	P	20120301		PM	ELCPS INSPECT AND CLEAN
			12.82551		30	P	20120301	20120315	PM	ELCPS INSPECT AND CLEAN
			12.82551		30	P	20120301	20120315	PM	ELEC INSPECT AND CLEAN
			12.82552		30	P	20120301	20120315	PM	ELCPS INSPECT AND CLEAN
			12.82552		30	P	20120301	20120315	PM	ELEC INSPECT AND CLEAN
			12.82553		25	P	20120301		PM	ELCPS CLEAN & INSPECT
			12.82554		25	P	20120301		PM	ELCPS CLEAN & INSPECT
			12.82555		25	P	20120301		PM	ELCPS CLEAN & INSPECT
			12.82556		25	P	20120301		PM	ELCPS CLEAN & INSPECT
			12.82557		25	P	20120301		PM	ELCPS CLEAN & INSPECT
			12.82558		25	P	20120301		PM	ELCPS CLEAN & INSPECT
			12.82559		25	P	20120301		PM	ELCPS CLEAN & INSPECT
			12.82560		25	P	20120301		PM	ELCPS CLEAN & INSPECT
			12.82561		30	P	20120301	20120315	PM	ELCPS CLEAN & INSPECT
			12.82562		30	P	20120301	20120315	PM	ELCPS CLEAN & INSPECT

Total W/O's for Location JF:

COUNT 82

LOCPO	12.81892	30	P	20120103	20120117	PM	INSPS	INSPECTION
	12.81893	30	P	20120103	20120117	PM	INSPS	INSPECTION
	12.81894	30	P	20120103	20120117	PM	INSPS	INSPECT AND CLEAN
	12.81915	30	P	20120103	20120106	PM	MCHPS	INSPECTION
	12.82024	30	P	20120104	20120124	PM	ELCPS	INSPECTION AND LUBRICATION
	12.82101	30	P	20120104	20120124	PM	ELCPS	CHECK OPERATION/INSPECTION
	12.82351	30	P	20120202	20120217	PM	ELCPS	CLEAN AND LUBRICATE
	12.82352	30	P	20120202	20120217	PM	ELCPS	CLEAN AND INSPECT
	12.82353	30	P	20120202	20120217	PM	ELCPS	INSPECTION
	12.82354	30	P	20120202	20120217	PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
	12.82355	30	P	20120202	20120217	PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
	12.82356	30	P	20120202	20120217	PM	ELCPS	CHECK OPERATING CONDITIONS, BATTERY CHE
	12.82523	25	P	20120301		PM	INSPS	CLEAN/INSPECT/CALIBRATE
	12.82524	25	P	20120301		PM	INSPS	CLEAN/INSPECT/CALIBRATE
	12.82525	25	P	20120301		PM	INSPS	CLEAN/INSPECT/CALIBRATE
	12.82527	25	P	20120301		PM	INSPS	INSPECTION
	12.82528	25	P	20120301		PM	INSPS	INSPECTION
	12.82529	25	P	20120301		PM	INSPS	INSPECT AND CLEAN
	12.82703	30	P	20120301	20120326	PM	PM	CLEAN FILTER, INSPECT
	12.82704	30	P	20120301	20120326	PM	PM	FLUSH COOLING SYSTEM &CHANGE OIL
	12.82705	30	P	20120301	20120326	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
	12.82706	30	P	20120301	20120326	PM	PM	INSPECTION
	12.82706	30	P	20120301	20120326	PM	PM	INSPECTION
	12.82707	30	P	20120301	20120326	PM	PM	CHECK OPERATION
	12.82708	30	P	20120301	20120326	PM	PM	TESTING AND LUBRICATION

Co No	Cost Center	Cost Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO	Issue Date	WO	Wk-Craft	Short problem
11	PUMPING ST	LOCPO	12.82709		30	P	20120301	20120326	PM	PM	TESTING AND LUBRICATION
			12.82710		30	P	20120301	20120326	PM	PM	TESTING AND LUBRICATION
			12.82711		30	P	20120301	20120326	PM	PM	TESTING AND LUBRICATION
			12.82712		30	P	20120301	20120326	PM	PM	TESTING AND LUBRICATION
			12.82713		30	P	20120301	20120326	PM	PM	INSPECT AND LUBRICATE
			12.82714		30	P	20120301	20120326	PM	PM	INSPECT AND LUBRICATE

Total W/O's for Location MCST:
COUNT 31

MCST	12.81914	30	P	20120103	20120123	PM	MCHPS	INSPECTION
	12.82022	30	P	20120104	20120119	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
	12.82023	30	P	20120104	20120119	PM	PM	INSPECT AND LUBRICATE
	12.82093	30	P	20120104	20120124	PM	ELCPS	CHECK, BATTERIES & LIGHT
	12.82093	30	P	20120104	20120124	PM	ELEC	CHECK, BATTERIES & LIGHT
	12.82094	30	P	20120104	20120124	PM	ELCPS	INSPECT AND LUBRICATE
	12.82095	30	P	20120104	20120124	PM	ELCPS	INSPECT AND LUBRICATE
	12.82096	30	P	20120104	20120124	PM	ELCPS	INSPECTION
	12.82097	30	P	20120104	20120123	PM	ELCPS	INSPECT AND LUBRICATE
	12.82286	30	P	20120202	20120209	PM	PM	INSPECT AND LUBRICATE
	12.82286	30	P	20120202	20120209	PM	PM	INSPECT AND LUBRICATE
	12.82287	30	P	20120202	20120209	PM	PM	INSPECT AND LUBRICATE
	12.82288	30	P	20120202	20120209	PM	PM	TESTING AND LUBRICATE
	12.82289	30	P	20120202	20120209	PM	PM	CLEAN FILTER, INSPECTION
	12.82290	30	P	20120202	20120209	PM	PM	CLEAN FILTER, INSPECTION
	12.82291	30	P	20120202	20120209	PM	PM	CHECK AND LUBE
	12.82292	30	P	20120202	20120209	PM	PM	INSPECTION
	12.82293	30	P	20120202	20120209	PM	PM	CHECK OPERATION
	12.82294	30	P	20120202	20120209	PM	PM	CHECK OPERATION
	12.82295	30	P	20120202	20120209	PM	PM	OIL CHANGE, LUBRICATE
	12.82517	25	P	20120301		PM	INSPS	INSPECT AND CALIBRATE
	12.82518	25	P	20120301		PM	INSPS	INSPECT AND CALIBRATE
	12.82519	25	P	20120301		PM	INSPS	INSPECT AND CALIBRATE
	12.82520	25	P	20120301		PM	INSPS	INSPECT AND CALIBRATE
	12.82521	25	P	20120301		PM	INSPS	INSPECT AND CALIBRATE
	12.82522	25	P	20120301		PM	INSPS	INSPECT AND CALIBRATE
	12.82590	30	P	20120301	20120313	PM	ELCPS	INSPECT AND LUBRICATE
	12.82591	30	P	20120301	20120313	PM	ELCPS	INSPECT, CLEAN AND LUBRICATE
	12.82592	30	P	20120301	20120313	PM	ELCPS	CLEAN AND INSPECT
	12.82593	30	P	20120301	20120313	PM	ELCPS	CLEAN AND INSPECT
	12.82701	30	P	20120301	20120322	PM	PM	INSPECT AND LUBRICATE.
	12.82702	30	P	20120301	20120322	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE

Total W/O's for Location MCST:
COUNT 32

QUAD 12.81857 30 P 20120103 20111220 PM BLDG INSPECT FOR CRACKS, RUST, PAINT

12.81865 30 P 20120103 20120118 PM INSPS CLEAN AND INSPECT

Co No	Cost Center	Cos Loc Id	Parent WO	WO Suf	WO Sts	TYPE	WO Issue Date	WO Cmpl't Date	rk Type	Craft Code	Short problem Description
11	PUMPING ST QUAD	12.81866	30	P	20120103	20120118	PM	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
		12.81867	30	P	20120103	20120119	PM	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
		12.81868	30	P	20120103	20120117	PM	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
		12.81869	30	P	20120103	20120117	PM	INSPS	INSPS	INSPS	INSPECTION
		12.81987	30	P	20120104	20120223	PM	PM	PM	PM	TEST AND LUBRICATE
		12.82038	30	P	20120104	20120202	PM	ELCPS	ELCPS	ELCPS	CHECK, BATTERIES & LIGHT
		12.82038	30	P	20120104	20120202	PM	ELEC	ELEC	ELEC	CHECK, BATTERIES & LIGHT
		12.82039	30	P	20120104	20120202	PM	ELCPS	ELCPS	ELCPS	INSPECT AND LUBRICATE
		12.82040	30	P	20120104	20120202	PM	ELCPS	ELCPS	ELCPS	INSPECT AND LUBRICATE
		12.82194	30	P	20120202	20120223	PM	PM	PM	PM	TEST AND LUBRICATE
		12.82195	30	P	20120202	20120223	PM	PM	PM	PM	TEST AND LUBRICATE
		12.82196	30	P	20120202	20120223	PM	PM	PM	PM	TEST AND LUBRICATE
		12.82197	30	P	20120202	20120223	PM	PM	PM	PM	TEST AND LUBRICATE
		12.82198	30	P	20120202	20120223	PM	PM	PM	PM	TEST AND LUBRICATE
		12.82199	30	P	20120202	20120223	PM	PM	PM	PM	TEST AND LUBRICATE
		12.82200	30	P	20120202	20120223	PM	PM	PM	PM	INSPECT, LUBRICATE, EXERCISE
		12.82201	30	P	20120202	20120223	PM	PM	PM	PM	INSPECT, LUBRICATE, EXERCISE
		12.82202	30	P	20120202	20120223	PM	PM	PM	PM	INSPECT, LUBRICATE, EXERCISE
		12.82203	30	P	20120202	20120223	PM	PM	PM	PM	INSPECT, LUBRICATE, EXERCISE
		12.82204	30	P	20120202	20120223	PM	PM	PM	PM	INSPECT, LUBRICATE, EXERCISE
		12.82205	30	P	20120202	20120223	PM	PM	PM	PM	INSPECT, LUBRICATE, EXERCISE
		12.82206	30	P	20120202	20120223	PM	PM	PM	PM	INSPECT, LUBRICATE, EXERCISE
		12.82207	30	P	20120202	20120223	PM	PM	PM	PM	INSPECT, LUBRICATE, EXERCISE
		12.82208	30	P	20120202	20120223	PM	PM	PM	PM	CHANGE OIL
		12.82208	30	P	20120202	20120223	PM	PM	PM	PM	CHANGE OIL
		12.82209	30	P	20120202	20120223	PM	PM	PM	PM	CLEAN STRAINER, INSPECT
		12.82210	30	P	20120202	20120223	PM	PM	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
		12.82211	30	P	20120202	20120223	PM	PM	PM	PM	CHANGE OIL AND FILTER.
		12.82212	30	P	20120202	20120223	PM	PM	PM	PM	INSPECT, LUBRICATE CABLES, OIL CHECK
		12.82212	30	P	20120202	20120223	PM	PM	PM	PM	INSPECT, LUBRICATE CABLES, OIL CHECK
		12.82318	30	P	20120202	20120223	PM	PM	PM	PM	CHECK OPERATING CONDITION, BATTERY
		12.82430	30	P	20120301	20120308	PM	ELCPS	ELCPS	ELCPS	INSPECTION
		12.82469	25	P	20120301		PM	INSPS	INSPS	INSPS	CLEAN AND INSPECT
		12.82470	25	P	20120301		PM	INSPS	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82471	25	P	20120301		PM	INSPS	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE RECORDER
		12.82472	25	P	20120301		PM	INSPS	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE/GAS ALARM
		12.82473	25	P	20120301		PM	INSPS	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82474	25	P	20120301		PM	INSPS	INSPS	INSPS	CLEAN/INSPECT/CALIBRATE
		12.82475	25	P	20120301		PM	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
		12.82476	25	P	20120301		PM	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
		12.82477	25	P	20120301		PM	INSPS	INSPS	INSPS	INSPECT AND CALIBRATE
		12.82478	25	P	20120301		PM	INSPS	INSPS	INSPS	INSPECTION
		12.82563	30	P	20120301	20120308	PM	ELCPS	ELCPS	ELCPS	INSPECT AND LUBRICATE
		12.82564	30	P	20120301	20120308	PM	ELCPS	ELCPS	ELCPS	INSPECT AND LUBRICATE
		12.82565	30	P	20120301	20120308	PM	ELCPS	ELCPS	ELCPS	CHECK OPERATION/INSPECTION
		12.82566	30	P	20120301	20120308	PM	ELCPS	ELCPS	ELCPS	INSPECT AND LUBRICATE

Co No	Cost Center	Cost Loc Id	Paren WO	W O Suf	W O Sts	TYPE	WO Issue Date	W Cmpl't Date	Wrk Typ	Craft Code	Short problem Description
Total W/O's for Location QUAD: COUNT 48											
111	PUMPING ST WSTPT	12.81888	30	P	20120103	20120207	PM	INSPS	CLEAN/INSPECT/CALIBRATE		
		12.81889	30	P	20120103	20120208	PM	INSPS	INSPECT AND CALIBRATE		
		12.81890	30	P	20120103	20120209	PM	INSPS	INSPECTION		
		12.81891	30	P	20120103	20120209	PM	INSPS	INSPECTION		
		12.81913	30	P	20120103	20120123	PM	MCHPS	INSPECTION		
		12.82003	30	P	20120104	20120119	PM	PM	CHECK VARIOUS COMPONENTS		
		12.82004	30	P	20120104	20120119	PM	PM	CHECK VARIOUS COMPONENTS		
		12.82005	30	P	20120104	20120119	PM	PM	CHECK VARIOUS COMPONENTS		
		12.82006	30	P	20120104	20120119	PM	PM	INSPECT AND LUBRICATE		
		12.82007	30	P	20120104	20120119	PM	PM	INSPECT AND LUBRICATE		
		12.82008	30	P	20120104	20120119	PM	PM	INSPECT AND LUBRICATE		
		12.82009	30	P	20120104	20120119	PM	PM	LUBRICATION		
		12.82010	30	P	20120104	20120119	PM	PM	INSPECT AND LUBRICATE		
		12.82011	30	P	20120104	20120119	PM	PM	CHECK VARIOUS UNITS		
		12.82012	30	P	20120104	20120119	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE		
		12.82013	30	P	20120104	20120119	PM	PM	INSPECT NORMAL OPERATION		
		12.82014	30	P	20120104	20120119	PM	PM	INSPECT NORMAL OPERATION		
		12.82015	30	P	20120104	20120119	PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT		
		12.82016	30	P	20120104	20120119	PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT		
		12.82017	30	P	20120104	20120119	PM	PM	INSPECT AND LUBRICATE		
		12.82018	30	P	20120104	20120119	PM	PM	CLEAN LUBRICATE		
		12.82019	30	P	20120104	20120119	PM	PM	INSPECT AND LUBRICATE		
		12.82020	30	P	20120104	20120119	PM	PM	INSPECT AND LUBRICATE		
		12.82021	30	P	20120104	20120119	PM	PM	INSPECT AND LUBRICATE		
		12.82085	30	P	20120104	20120110	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82086	30	P	20120104	20120112	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82087	30	P	20120104	20120110	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82088	30	P	20120104	20120110	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82089	30	P	20120104	20120109	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82090	30	P	20120104	20120109	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82091	30	P	20120104	20120109	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82092	30	P	20120104	20120110	PM	ELCPS	CHECK OPERATION/INSPECTION		
		12.82342	30	P	20120202	20120208	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82343	30	P	20120202	20120208	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82344	30	P	20120202	20120208	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82345	30	P	20120202	20120208	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82512	25	P	20120301		PM	INSPS	CLEAN/INSPECT/CALIBRATE		
		12.82513	25	P	20120301		PM	INSPS	CLEAN/INSPECT/CALIBRATE		
		12.82514	25	P	20120301		PM	INSPS	CLEAN/INSPECT/CALIBRATE		
		12.82515	25	P	20120301		PM	INSPS	CLEAN/INSPECT/CALIBRATE		
		12.82516	25	P	20120301		PM	INSPS	INSPECTION		
		12.82585	30	P	20120301	20120308	PM	ELCPS	INSPECTION		
		12.82586	30	P	20120301	20120312	PM	ELCPS	INSPECTION		
		12.82587	30	P	20120301	20120308	PM	ELCPS	INSPECT AND LUBRICATE		
		12.82588	30	P	20120301	20120312	PM	ELCPS	INSPECT AND LUBRICATE		

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	WSTPT	12.82589		30	P	20120301	20120312	PM	ELCPS	INSPECTION
			12.82678		30	P	20120301	20120306	PM	ELCPS	INSPECTION
			12.82678		30	P	20120301	20120306	PM	PM	INSPECTION
			12.82679		30	P	20120301	20120322	PM	PM	CHECK VARIOUS COMPONENTS
			12.82680		30	P	20120301	20120322	PM	PM	CHECK VARIOUS COMPONENTS
			12.82681		30	P	20120301	20120322	PM	PM	CHECK VARIOUS COMPONENTS
			12.82682		30	P	20120301	20120322	PM	PM	INSPECT AND LUBRICATE
			12.82683		30	P	20120301	20120322	PM	PM	INSPECT AND LUBRICATE
			12.82684		30	P	20120301	20120322	PM	PM	INSPECT AND LUBRICATE
			12.82685		30	P	20120301	20120322	PM	PM	LUBRICATION
			12.82686		30	P	20120301	20120322	PM	PM	INSPECT AND LUBRICATE
			12.82687		30	P	20120301	20120322	PM	PM	CHECK VARIOUS UNITS
			12.82688		30	P	20120301	20120322	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
			12.82689		30	P	20120301	20120322	PM	PM	CHECK VARIOUS COMPONENTS
			12.82690		30	P	20120301	20120322	PM	PM	INSPECT NORMAL OPERATION
			12.82691		30	P	20120301	20120322	PM	PM	INSPECT NORMAL OPERATION
			12.82692		30	P	20120301	20120322	PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT
			12.82692		30	P	20120301	20120322	PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT
			12.82693		30	P	20120301	20120322	PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT
			12.82694		30	P	20120301	20120322	PM	PM	CHECK NORMAL OPERATION AND VARIOUS UNIT
			12.82695		30	P	20120301	20120322	PM	PM	CLEAN, LUBRICATE
			12.82696		30	P	20120301	20120322	PM	PM	INSPECT AND LUBRICATE
			12.82697		30	P	20120301	20120322	PM	PM	INSPECT AND LUBRICATE
			12.82698		30	P	20120301	20120322	PM	PM	CLEAN, LUBRICATE
			12.82699		30	P	20120301	20120322	PM	PM	INSPECT AND LUBRICATE
			12.82700		30	P	20120301	20120322	PM	PM	CLEAN, LUBRICATE

Total W/O's for Location WSTPT:
COUNT 71

Total W/O's for Cost Center PUMPING ST:
COUNT 718

Totals for Company 11:
COUNT 718

04/04/12 15:06:53

Total Issued W/O's

Mike

Locations:

WOCOMPMSAL

PAGE 17

Oct. 01, '11 -- Dec. 30, '11
PUMPING STATIONS - PM only

BRKLYN DUNDAL EASTER JF as of 15:06:53
**LOCPO MCST QUAD WSTPT ** on 04/04/12

Co Cost Cost Parent WO Suf WO TYPE WO Issue Date
No Center Loc WO Number

Wrk Craft Short problem
Typ Code Description

FINAL TOTALS
COUNT 718

*** END OF REPORT ***

Co. No.	Area	W/O Number	Machine Number	Machine Description	W/O Sts	Full Problem	Req. By	Craft Code	WO Omplt Date	WO Issue Date	Station Class
11	PUMPING ST BRKLYN	12.80843	2	952101 VALVE, #1 PUMP DISCHARGE	30	4	-VALVE OPENS /MOTOR DOESNT START-STIELPERC 64972	CS	OFSEK 20120111	20110914	
		12.81842	953101	SCREEN, MECHANICAL BAR	30	3D	Sullivan 6-4972	US	MCHPS 20120104	20111221	
		12.81848	955310	UPS, SYSTEM 2KVA	30	4	REQ BY R. BAKTUN JR	REJ	INSPS 20120124	20111228	
		12.81854	951000	FACILITY, BROOKLYN PUMPING	30	3D	STIELPER 64972	CS	BLDG 20120105	20111230	
		12.82376	950039	CONTROL, VFD #1 SEWAGE PUM	30	3D	in P.I.D mode stielperc 64972	CS	ELCPS 20120214	20120214	
		12.82380	950003	PANEL, PLC/LOCAL CONTROL	30	4	stielperc 64972	CS	INSPS 20120216	20120215	
		12.82381	950000	PANEL, PLC/LOCAL CONTROL	25	4	on power loss issue-Atten. Maj stielper 64972	CS	PENG 20120215	20120215	
		12.82385	952301	PUMP, VACUUM #1	30	4	stielperc 64972	CS	ELCPS 20120216	20120216	
		12.82389	952101	VALVE, #1 PUMP DISCHARGE	30	4	stielperc 64972	CAS	MCHPS 20120223	20120221	
		12.82390	951202	MOTOR, SEWAGE PUMP #2	25	4	Inhibit-stielper 64972	CS	ELCPS 20120221	20120221	
		12.82727	951000	FACILITY, BROOKLYN PUMPING	25	3D	shed. Sullivan 6-4972	US	BLDG 20120312	20120312	
		12.82732	950002	FLOW INDICATING RECORDER	30	3D	stielperc 64972	CS	INSPS 20120319	20120319	
		12.82740	951101	PUMP, SEWAGE #1	25	4	stielperc 64972	CS	MCHPS 20120327	20120327	
		12.82741	951203	MOTOR, SEWAGE PUMP #3	25	4	stielper 64972	CS	ELCPS 20120327	20120327	
Location BRKLYN: COUNT 14											
DUNDAL 11.81794 2 941204 MOTOR, SEWAGE PUMP #4											
		12.81526	941103	PUMP, SEWAGE #3	30	4	with float control during high flow #4 pump will start	RLS	PENG 20120104	20101214	
		12.81845	941103	PUMP, SEWAGE #3	30	4	KS 69701	CS	MCHPS 20120123	20111206	
		12.82026	945101	GENERATOR, EMERGENCY SET	30	4	stielperc 64972	WH	MCHFB 20120130	20111227	
		12.82364	940044	SYSTEM, UPS #1	30	4	stielperc 64972	CS	ELCPS 20120105	20120104	
		12.82365	940006	RECORDER, MET WELL BUBBLER	30	3D	stielperc 64972	CS	ELCPS 20120203	20120203	
		12.82371	940006	RECORDER, MET WELL BUBBLER	30	3D	Sullivan 6-4972	CS	INSPS 20120203	20120203	
		12.82372	948104	CONTROL, VFD #3 SEWAGE PUM	30	3D	stielperc 649762	US	INSPS 20120210	20120210	
		12.82375	943101	SCREEN, #1 BAR	25	4	stielperc 64972	CS	ELCPS 20120215	20120214	
		12.82378	2	943102 SCREEN, #2 BAR	25	4	H. WITH REMOVING SECTION OF TRACK .RED. BY M. HOOKS 69701	WH	MCHPS 20120215	20120215	
		12.82378	1	943102 SCREEN, #2 BAR	30	4	H. WITH REMOVING SECTION OF TRACK .RED. BY M. HOOKS 69701	WH	MCHFB 20120215	20120215	
		12.82379	943102	SCREEN, #2 BAR	25	4	HOOKS-69701	WH	ELCPS 20120215	20120215	
		12.82382	941103	PUMP, SEWAGE #3	30	3D	replacement requester r slayton 6-9752	RLS	MCHPS 20120216	20120215	
		12.82383	941203	MOTOR, SEWAGE PUMP #3	30	3D	spare motor requester r slayton 6-9752	RLS	ELCPS 20120222	20120215	
		12.82384	183100	SWITCH, MED VOLT -FDR #1	25	4	distribution report from Energy Test requester r slayton-6-9 RLS	PENG	PENG 20120215	20120215	
		12.82391	941103	PUMP, SEWAGE #3	30	4	ELECPS. WITH REMOVING MOTOR AND INSTALLING NEW MOTOR. LASER AL	WH	MCHPS 20120216	20120223	
		12.82400	944604	PUMP, VACUUM #4	30	4	stielperc 64972	CS	MCHPS 20120228	20120228	
		12.82438	1	942107 VALVE, SEWAGE PUMP #2 DISC	30	4	stielperc 64972	CS	ELCPS 20120229	20120301	
		12.82438	2	942107 VALVE, SEWAGE PUMP #2 DISC	30	4	stielperc 64972	CS	MCHPS 20120229	20120301	
Location DUNDAL: COUNT 19											
EASTER 10.82657 2 911000 FACILITY, EASTERN AVENUE											
		11.80357	911000	FACILITY, EASTERN AVENUE	30	3D	cracked/un-even tripping-hazzard -J stielper 64972	CS	PENG 20120104	20100204	
		11.81786	911000	FACILITY, EASTERN AVENUE	30	4	excisting plc stielperc 64972	CS	PENG 20120104	20100722	
		11.82181	915102	BOILER #2	30	4	plc program see stielperc 64972	CS	PENG 20120104	20101209	
		11.82874	2	911000 FACILITY, EASTERN AVENUE	30	4	ROPE, ETC.	TAD	PENG 20120104	20110201	
		11.82906	2	915417 AIR HANDLING UNIT AND CHI	30	4	AS NEEDED AND SECURE LOOP.	TAD	PENG 20120104	20110316	
		12.80166	2	916003 TANK, DIESEL #3 1000 GAL.	30	4	NEED TO UPGRADE.	CS	PENG 20120208	20110405	
					30	4		TAD	PENG 20120104	20110719	

Co. No.	Area	W/O Number	Machine Number	Machine Description	W/O Sts	Full Problem	Req. By	Craft Code	WO Cmpit Date	WO Issue Date	Station Class
11	PUMPING ST EASTER	12.80820	910009	TRANSMITTER, PRESSURE	30	4	RED BY R BAKTON JR	INSPS	20120106	20110907	
		12.80849	919022	POWER, RIDING (FORD) LOADING	30	4	stielper 64972	MCHPS	20120309	20110916	
		12.80859	917302	CRANE, MONORAIL (5 TON)	30	4	FOR CRANE ONTO PENDANT.	JAD PM	20120314	20110926	
		12.80860	917303	CRANE, BRIDGE (5 TON)	30	4	FOR CRANE ONTO PENDANT.	JAD PM	20120314	20110926	
		12.82027	910004	RECORDER/TOTALIZER FLOW	30	4	stielperc 64972	INSPS	20120105	20120104	
		12.82028	912601	PUMP, SEAL WATER #1	30	4	stielper 64972	CS MCHPS	20120103	20120104	
		12.82104	911000	FACILITY, EASTERN AVENUE	25	4	stielperc 64972	CS BLDG		20120110	
		12.82105	911000	FACILITY, EASTERN AVENUE	30	4	RED BY C. STIELPER	CS ELCPS	20120110	20120110	
		12.82117	911000	FACILITY, EASTERN AVENUE	30	4	req. h. bomborg 6-8778	HNB BLDG	20120213	20120118	
		12.82120	2 916017	LOUVER, SYSTEM AUTO. #1 (GEN	30	4	blng-see chris 64972	CS HA	20120123	20120120	
		12.82120	1 916017	LOUVER, SYSTEM AUTO. #1 (GEN	30	4	blng-see chris 64972	CS ELCPS	20120312	20120120	
		12.82123	2 911000	FACILITY, EASTERN AVENUE	25	4	a wall small wall mounted heater/chris 64972	CS PENG		20120124	
		12.82123	1 911000	FACILITY, EASTERN AVENUE	25	4	a wall small wall mounted heater/chris 64972	CS ELEC		20120124	
		12.82124	911000	FACILITY, EASTERN AVENUE	25	4	stielperc 64972	CS BLDG		20120124	
		12.82126	911000	FACILITY, EASTERN AVENUE	30	3D	went lock door stielper 64972	CS BLDG	20120220	20120124	
		12.82132	911000	FACILITY, EASTERN AVENUE	30	4	stielperc 64972	CS BLDG	20120130	20120130	
		12.82133	911000	FACILITY, EASTERN AVENUE	30	3D	Sullivan 6-4972	US BLDG	20120202	20120131	
		12.82359	911000	FACILITY, EASTERN AVENUE	30	4	see chris 64972	CS ELCPS	20120203	20120202	
		12.82361	911000	FACILITY, EASTERN AVENUE	30	4	the MUSMAN see chris 64972	CVS BLDG	20120206	20120202	
		12.82362	919034	DUPSTER, (NORTH)	30	3D	stielperc 64972	CS MCHFB	20120216	20120203	
		12.82363	911000	FACILITY, EASTERN AVENUE	25	4	{broken up tripping hazzard-see chris stielper 64972	CS PENG		20120203	
		12.82367	911000	FACILITY, EASTERN AVENUE	25	4	stielper 64972	CS BLDG		20120206	
		12.82386	911000	FACILITY, EASTERN AVENUE	30	4	stielperc 64972	CS BLDG	20120220	20120217	
		12.82393	911000	FACILITY, EASTERN AVENUE	25	3D	ROOM.	US BLDG		20120223	
		12.82396	919034	DUPSTER, (NORTH)	30	4	RED BY C. STIELPER	CS MCHFB	20120305	20120224	
		12.82401	911000	FACILITY, EASTERN AVENUE	25	3D	Sullivan 6-4972	US ELCPS		20120228	
		12.82715	1 5256	PUMP 3" DIESEL ON TRAILER	30	4	SEE CHRIS FOR WHEEL	CS MCHFB	20120313	20120305	
		12.82715	2 5256	PUMP 3" DIESEL ON TRAILER	30	4	SEE CHRIS FOR WHEEL	CS MCHPS	20120314	20120305	
		12.82716	911106	PUMP, STANDBY SEWAGE	30	4	stielperc 64972	CS MCHPS	20120308	20120307	
		12.82721	916201	GENERATOR, EMERGENCY SET (P	25	4	in generator bid stielper 64972	CS ELCPS		20120309	
		12.82723	911000	FACILITY, EASTERN AVENUE	25	4	in generator Bldg stielperc 64972	CS ELCPS		20120309	
		12.82726	911000	FACILITY, EASTERN AVENUE	25	3D	blogs, Sullivan	US ELCPS		20120312	
		12.82728	915601	CONDITIONER, AIR #1	25	4	STIELPER 64972	CS HA		20120316	
		12.82736	919108	TRIMMER, LINE 18" (HOMELITE	30	4	stielper cv 64972	CS MCHPS	20120328	20120323	
		12.82737	919021	POWER, RIDING, GRAVELY (ON T	30	4	stielperc 64972	CS MCHPS	20120327	20120326	
		12.82743	918946	TRIMMER, LINE #0765	25	4	stielperc 64972	CS MCHPS		20120328	
Location EASTER: COUNT 43											
JF	12.81204	2	926101	CRANE, BRIDGE (10 TON)	30	4	cstielper 64972	CS MCHPS	20120201	20111011	
	12.81500		921000	FACILITY, JONES FALLS	30	4	{roll-up screen room} stielperc 64972	CS MCHFB	20120216	20111115	
	12.81502		921000	FACILITY, JONES FALLS	30	4	stielperc 64972	CS BLDG	20120112	20111116	
	12.82103		924202	MOTOR, #2 BAR SCREEN	30	3D	stielperc 64972	CS ELCPS	20120110	20120109	
	12.82110		926301	GENERATOR, EMERGENCY SET	30	3D	RED BY J. NAROCK 6-9748	JCN ELCPS	20120113	20120113	
	12.82111		926301	GENERATOR, EMERGENCY SET	30	4	STIELPERC 64972	CS MCHPS	20120113	20120113	
	12.82111		926301	GENERATOR, EMERGENCY SET	30	4	STIELPERC 64972	CS ELCPS	20120113	20120113	
	12.82112		921000	FACILITY, JONES FALLS	30	4	STIELPERC 64972	CS ELCPS	20120113	20120113	

Locations: BRILYN DUNDAL EASTER as of 04/04/12													
Pumping Station													
CH-6 & MOD-6 JF LOCPO MCST QUAD WSTPT													
Co. No.	Area	Loc. Number	H/O Number	Machine Number	Machine Description	Sts	Pty Code	Full Problem Description	Req. By	Craft Code	MO Date	WO Issue Date	SntdAn Class
11 PUMPING ST JF													
		12.82113		921000	FACILITY,JONES FALLS	30	4	REQ. BY J. NAROCK 6-9748	JCN	ELCPS	20120118	20120117	
		12.82128		926301	GENERATOR,EMERGENCY SET	25	3D	TO REINSTALL WHEN MECH. ARE FINNISH REPAIRS TO OIL PAN.REQ.BY WH	WH	PM		20120126	
		12.82129		921000	FACILITY,JONES FALLS	25	4	stielperc 64972	CS	BLDG		20120130	
		12.82130		921000	FACILITY,JONES FALLS	30	4	stielperc 64972	CS	BLDG	20120202	20120130	
		12.82131		927913	TRUCK,ELECTRIC PALLET	25	3D	stielperc64972	CS	ELCPS		20120130	
		12.82134		921000	FACILITY,JONES FALLS	25	4	stielperc 64972	CS	BLDG		20120131	
		12.82135		921000	FACILITY,JONES FALLS	25	4	stielperc 64972	CS	BLDG		20120131	
		12.82360		921000	FACILITY,JONES FALLS	30	4	back stielperc 64972	CS	ELCPS	20120203	20120202	
		12.82366		920092	PANEL,SCADA I/O	25	4	stielperc 64972	CS	OPSEK		20120203	
		12.82374		927913	TRUCK,ELECTRIC PALLET	30	3D	stielperc 64972	CS	ELCPS	20120216	20120214	
		12.82388		924101	SCREEN,BAR #1(FRONT CLEAN	25	4	making loud noise when running stielperc 64972	CS	MCHFS		20120221	
		12.82392		924101	SCREEN,BAR #1(FRONT CLEAN	25	4	NG TO BE SUPPLIED BY MECH.REQ.BY W.HOOKS 69701	WH	MCHFB		20120223	
		12.82395		928137	MOTOR,ROLLING GARAGE DOOR	25	3D	stielperc 64972	CS	ELCPS		20120224	
		12.82397		926731	DUMPSITER,JF2001(SCREEN RM	30	4	REQ BY C.STIELPER	CS	MCHFB	20120312	20120224	
		12.82724		921101	PUMP,SEWAGE #1	30	4	stielperc 64972	CS	MCHFS	20120313	20120309	
		12.82725		924102	SCREEN,BAR #2(FRONT CLEAN	30	4	stielperc 64972	CS	MCHFS	20120313	20120312	
		12.82730		928061	TRANSMITTER,PRESS.TRANSDU	25	3D	leve stielperc 64972	CS	INSPS		20120316	
Location JF: COUNT 25													
MCST 12.82025 975000 FACILITY,MCOMMS 25 4 stielper 64973													
Location MCST: COUNT 1													
QUAD 12.82115 933201 MOTOR,BAR SCREEN 25 3D In-auto mode stielperc 64972													
		12.82116	2	937121	VFD,#1 PUMP	25	4	stielperc 64972	CS	MCHFS		20120117	
		12.82116	1	937121	VFD,#1 PUMP	30	4	stielperc 64972	CS	ELCPS	20120118	20120117	
		12.82127	1	932103	VALVE,#3 PUMP CONE(DISCHA	30	3D	stielperc 64972	CS	ELCPS	20120125	20120125	
		12.82127	2	932103	VALVE,#3 PUMP CONE(DISCHA	30	3D	stielperc 64972	CS	MCHFS	20120124	20120125	
		12.82137		931000	FACILITY,QUAD AVENUE	30	4	REQ BY R BARTON JR	RBJ	ELCPS	20120202	20120131	
		12.82402		935101	GENERATOR,EMERGENCY SET	30	3D	on test cycle stielperc 64972	CS	ELCPS	20120301	20120229	
		12.82717	1	932102	VALVE,#2 PUMP CONE(DISCHA	25	2	operator stielperc 64972	CS	ELCPS		20120308	
		12.82717	2	932102	VALVE,#2 PUMP CONE(DISCHA	30	2	operator stielperc 64972	CS	MCHFS	20120308	20120308	
		12.82720		931000	FACILITY,QUAD AVENUE	25	4	REQ. BY J.NAROCK 6-9748	JCN	ELCPS		20120309	
		12.82729		936601	CONDITIONER,AIR	30	4	STIELPERC 64972	CS	HA	20120323	20120316	
		12.82731		935101	GENERATOR,EMERGENCY SET	30	2	unit stielperc 64972	CS	MCHFS	20120317	20120319	
Location QUAD: COUNT 12													
WSTPT 10.83276 970004 CONTROLLER,PROGRAMABLE(PL 30 4 TOR TEST DAY(POWER TRANSFER)													
		12.82733		971000	FACILITY,WESTPORT	30	4	stielperc 64972	CS	INSPS	20120322	20120320	
		12.82734		971000	FACILITY,WESTPORT	25	4	communication line 410-386-7514=C stielperc 64972	CS	ELC		20120321	
Location WSTPT: COUNT 3													

APPENDIX 5

SUMMARY OF REPORTED OVERFLOWS

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

SSO No. 67

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
12/07/2011	Flow Meter in Place	2.25
12/08/2011	Flow Meter in Place	0.00
12/27/2011	Flow Meter in Place	0.78

SSO No. 72

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
12/22/2011	Flow Meter in Place	0.79
12/23/2011	Flow Meter in Place	0.21
12/27/2011	Flow Meter in Place	0.78
01/12/2012	Flow Meter in Place	0.63
02/29/2012	Flow Meter in Place	1.41

SSO No. 132

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
12/07/2011	Flow Meter in Place	2.45

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

SSO No. 135

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
12/07/2011	Flow Meter in Place	2.45

SSO No. 137

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
12/07/2011	Flow Meter in Place	2.02
12/08/2011	Flow Meter in Place	0.00
12/23/2011	Flow Meter in Place	0.26
12/27/2011	Flow Meter in Place	0.77

SSO No. 138

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

SSO No. 139

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
12/07/2011	Flow Meter in Place	2.00

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

Pumping Station Overflows

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

Waste Water Treatment Plant Overflows

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

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

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
1/2/2012	180	Rags & Grease	0.00	Gwynns Falls	1531 N Rosedale St	21229
1/3/2012	Evidence of Overflow	Rags	0.00	Patapsco	3032 Seamon Ave	21225
1/3/2012	Evidence of Overflow	Rags & Grease	0.00	None	3026 Woodring Ave	21234
1/4/2012	Evidence of Overflow	Roots & Trash	0.00	None	225 Northway	21218
1/4/2012	325	Rags, Grease, Trash	0.00	Inner Harbor	1329 Greenmount Ave	21213
1/4/2012	Evidence of Overflow	Rags	0.00	None	1734 E 30th St	21218
1/4/2012	Evidence of Overflow	Rags	0.00	None	2337 Edmonson Ave	21223
1/5/2012	Evidence of Overflow	Rags & Grease	0.00	None	4805 Williston St	21229
1/5/2012	7,595	Rags, Grease, Trash	0.00	Jones Falls	609 E 38th St	21218
1/5/2012	Evidence of Overflow	Roots	0.00	None	3727 Clarenell Rd	21229
1/6/2012	900	Rags, Grease, Trash	0.00	Jones Falls	1329 Greenmount Ave	21202
1/7/2012	Evidence of Overflow	Roots & Grease	0.00	None	2801 Goodwood Rd	21214
1/8/2012	Evidence of Overflow	Rags	0.00	None	3707 Cheshome Rd	21216
1/8/2012	Evidence of Overflow	Rags, Roots, Grease	0.00	None	3019 Elizabeth Ave	21230
1/8/2012	Evidence of Overflow	Rags, Grease, Trash	0.00	None	242 N Payson St	21223
1/9/2012	60	Rags & Grease	0.00	None	1329 Greenmount Ave	21202
1/10/2012	135	Rags & Grease	0.00	Gwynns Falls	39 N Bentalou St	21223
1/10/2012	Evidence of Overflow	Rags & Grease	0.00	None	2215 W Baltimore St	21223
1/11/2012	Evidence of Overflow	Rags & Roots	0.36	None	618 N Carrollton Ave	21217
1/11/2012	224	Rags & Grease	0.36	Gwynns Falls	1723 Ruxton Ave	21216
1/11/2012	660	Rags, Roots, Grease	0.36	Gwynns Falls	107 N Rock Glen Rd	21229
1/11/2012	Evidence of Overflow	Rags	0.36	None	3001 Erdman Ave	21213
1/12/2012	175	Rags, Roots, Grease	0.37	Jones Falls	3635 Elkader Rd	21218
1/13/2012	Evidence of Overflow	Roost	0.03	None	2942 Keswick Rd	21211
1/13/2012	Evidence of Overflow	Rags & Grease	0.03	None	2600 Hollins Ferry Rd	21230
1/13/2012	312	Rags & Grease	0.03	Gwynns Falls	2221 Gable Ave	21230
1/13/2012	Evidence of Overflow	Rags & Roots	0.03	None	5609 Sinclair Ln	21206
1/14/2012	Evidence of Overflow	Rags	0.00	None	1550 N Monroe St	21217
1/14/2012	240	Sand, Gravel, Rocks	0.00	Gwynns Falls	5601 Gwynn Oak Ave	21207
1/14/2012	194	Rags & Grease	0.00	Inner Harbor	100 N Wolfe St	21213
1/15/2012	100	Debris	0.04	Patapsco	1100 Vincent St	21217
1/17/2012	Evidence of Overflow	Roots	0.00	None	4016 Massachusetts Ave	21229
1/18/2012	Evidence of Overflow	Rags	0.03	Curtis Bay	1633 Ceddox St	21226
1/18/2012	2,775	Rags & Roots	0.03	Jones Falls	3748 Ellerslie Ave	21218
1/19/2012	Evidence of Overflow	Roots & Trash	0.00	None	4534 Hazelwood Ave	21206
1/19/2012	Evidence of Overflow	Roots	0.00	None	217 Southway	21218
1/19/2012	1,150	Heavy Debris	0.00	Jones Falls	1800 Park Ave	21217
1/20/2012	Evidence of Overflow	Roots	0.00	Gwynns Falls	608 Markham Rd	21229
1/21/2012	600	Rags & Debris	0.00	Jones Falls	617 Lennox St	21217
1/22/2012	165	Grease	0.00	Inner Harbor	1500 E Fayette St	21231

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

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
1/22/2012	6,300	Rags & Grease	0.00	Jones Falls	1200 Pennsylvania Ave	21217
1/24/2012	675	Rags, Grease, Trash	0.00	Jones Falls	820 Harford Ct	21202
1/24/2012	Evidence of Overflow	Rags & Debris	0.00	None	2308 McCulloh St	21217
1/24/2012	3,795	Grease & Debris	0.00	Northwest Harbor	1500 N Wolfe St	21213
1/24/2012	7,110	Pipe Break & Sand, Gravel, Rocks	0.00	Gwynns Falls	5601 Gwynn Oak Ave	21207
1/24/2012	Evidence of Overflow	Roots	0.00	None	3203 Elmora Rd	21213
1/25/2012	Evidence of Overflow	Rags	0.00	Gwynns Falls	3507 W Belvedere Ave	21215
1/25/2012	Evidence of Overflow	Roots	0.00	None	2905 Whitney Ave	21215
1/25/2012	454	Rags & Grease	0.00	Northwest Harbor	6226 O'Donnell St	21224
1/25/2012	Evidence of Overflow	Rags	0.00	Herring Run	933 Montpelier St	21218
1/25/2012	Evidence of Overflow	Rags & Roots	0.00	None	2822 Alvarado Sq	21234
1/26/2012	Evidence of Overflow	Unknown	0.03	Jones Falls	6317 Wallis Ave	21215
1/26/2012	Evidence of Overflow	Unknown	0.03	Gwynns Falls	4016 Massachusetts Ave	21229
1/27/2012	Evidence of Overflow	Rags	0.14	None	707 Linnard St	21229
1/27/2012	202	Rags & Grease	0.14	Jones Falls	N Fremont Ave & Riggs Ave	21217
1/27/2012	300	Rags & Grease	0.14	Patapsco	1800 W Baltimore St	21223
1/27/2012	Evidence of Overflow	Rags	0.14	None	5106 Saint Georges Ave	21212
1/29/2012	650	Rags, Grease, Trash	0.00	Northwest Harbor	Pulaski Hwy & N Highland Ave	21224
1/29/2012	Evidence of Overflow	Rags & Grease	0.00	None	1308 W Franklin St	21223
1/29/2012	Evidence of Overflow	Unknown	0.00	None	1226 S Charles St	21230
1/30/2012	3,804	Roots & Debris	0.00	Jones Falls	3305 Bancroft Rd	21215
1/30/2012	Evidence of Overflow	Mud	0.00	None	1226 S Charles St	21230
1/31/2012	Evidence of Overflow	Grease	0.00	None	2601 Boone St	21218
1/31/2012	Evidence of Overflow	Unknown	0.00	Jones Falls	2135 Homewood Ave	21218
1/31/2012	600	Rags, Grease, Trash	0.00	Northwest Harbor	1500 N Wolfe St	21213
1/31/2012	126	Rags & Heavy Debris	0.00	Gwynns Falls	3812 Reisterstown Rd	21215

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

Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
2/1/2012	244	Rags	0.00	Gwynns Falls	4324 Reisterstown Rd	21215
2/1/2012	1,700	Rags & Debris	0.00	Patapsco	Elliott St & Gusryan St	21224
2/1/2012	875	Rags & Debris	0.00	Herring Run	Ednor Rd & Greystone Rd	21218
2/2/2012	Evidence of Overflow	Rags & Roots	0.00	Jones Falls	3630 Elm Ave	21211
2/4/2012	655	Rags & Grease	0.17	Patapsco	1349 Spelman Rd	21225
2/4/2012	107	Rags & Roots	0.17	Jones Falls	630 Deepdene Rd	21210
2/5/2012	Evidence of Overflow	Rags, Grease, Trash	0.02	None	1528 N Mount St	21217
2/5/2012	Evidence of Overflow	Rags & Grease	0.02	None	4009 Edmondson Ave	21229
2/5/2012	3,543	Rags, Grease, Debris	0.02	Jones Falls	2419 Reisterstown Rd	21217
2/6/2012	Evidence of Overflow	Rags & Roots	0.00	None	5110 Windsor Mill Rd	21207
2/6/2012	Evidence of Overflow	Rags & Debris	0.00	None	811 Druid Park Lake Dr	21217
2/8/2012	Evidence of Overflow	Unknown	0.06	None	2519 Marbourne Ave	21230
2/9/2012	Evidence of Overflow	Grease	0.00	None	1346 Glyndon Ave	21223
2/9/2012	60	Rags & Grease	0.00	None	2611 Dulany St	21223
2/9/2012	Evidence of Overflow	Rags & Grease	0.00	None	2611 Dulany St	21223
2/9/2012	30	Grease	0.00	None	615 N Carrollton Ave	21217
2/9/2012	325	Debris	0.00	Herring Run	4300 Robertson Ave	21206
2/10/2012	Evidence of Overflow	Rags & Grease	0.00	None	1845 W North Ave	21217
2/10/2012	400	Rags, Grease, Trash	0.00	Northwest Harbor	2103 Cliftwood Ave	21213
2/12/2012	315	Rags & Roots	0.00	Gwynns Falls	2507 Talbot Rd	21216
2/12/2012	570	Rags & Grease	0.00	Jones Falls	Fallstaff Rd & Clarks Ln	21209
2/12/2012	1,010	Mud	0.00	Jones Falls	421 N Glover St	21224
2/12/2012	144	Rags, Roots, Grease	0.00	Herring Run	4106 Harris Ave	21206
2/13/2012	1,085	Roots, Grease, Trash	0.00	Herring Run	3018 Overland Ave	21214
2/13/2012	Evidence of Overflow	Rags	0.00	Jones Falls	4029 Greenmount Ave	21218
2/13/2012	Evidence of Overflow	Roots	0.00	Patapsco	3032 Seamon Ave	21225
2/13/2012	Unknown (Intermittent Flow)	Roots	0.00	Herring Run	3203 Elmora Ave	21206
2/14/2012	196	Roots	0.00	Jones Falls	6214 Pimlico Rd	21209
2/14/2012	105	Rags, Grease, Trash	0.00	Northwest Harbor	110 N Kenwood Ave	21224
2/14/2012	Unknown (Intermittent Flow)	Rags & Roots	0.00	Northwest Harbor	2202 E Fairmount Ave	21231
2/14/2012	365	Rags, Grease, Debris	0.00	Herring Run	5713 Edgepark Rd	21239
2/15/2012	360	Rags & Grease	0.00	Patapsco	2722 Claflin Ct	21225
2/15/2012	240	Sand, Gravel, Rocks	0.00	Patapsco	800 Bethune Rd	21225
2/15/2012	Evidence of Overflow	Rags	0.00	Patapsco	1801 Washington Blvd	21230

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
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Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
2/18/2012	Evidence of Overflow	Rags	0.00	None	2844 Hilldale Ave	21215
2/18/2012	45	Rags & Debris	0.00	Jones Falls	210 W 29th St	21211
2/18/2012	2,280	Pipe Break & Vandalism	0.00	Herring Run	Harford Rd & Parkside Dr	21214
2/19/2012	600	Rags & Grease	0.00	Jones Falls	600 E 35th St	21218
2/19/2012	180	Rags & Roots	0.00	Gwynns Falls	3027 Walbrook Ave	21216
2/19/2012	300	Rags	0.00	Inner Harbor	1405 Belt St	21230
2/19/2012	625	Unknown	0.00	Jones Falls	234 McMechen St	21217
2/19/2012	1,425	Rags, Roots, Trash	0.00	Jones Falls	Laplata Ave & Woodheights Ave	21211
2/19/2012	Evidence of Overflow	Rags & Grease	0.00	Jones Falls	1118 Gorsuch Ave	21218
2/20/2012	1,463	Pipe Break	0.00	Gwynns Falls	2300 Allendale Rd	21216
2/20/2012	300	Rags & Grease	0.00	Jones Falls	4400 Laplata Ave	21211
2/20/2012	Evidence of Overflow	Debris	0.00	None	508 S Hanover St	21201
2/20/2012	Evidence of Overflow	Debris	0.00	Gwynns Falls	2616 Talbot Rd	21216
2/20/2012	1,410	Rags	0.00	Jones Falls	3113 Bancroft Rd	21209
2/20/2012	Evidence of Overflow	Rags	0.00	Gwynns Falls	4815 Lindsay Rd	21229
2/21/2012	Evidence of Overflow	Rags	0.00	None	208 S Augusta Ave	21229
2/21/2012	Evidence of Overflow	Rags	0.00	None	2111 N Ellamont St	21216
2/21/2012	Evidence of Overflow	Rags	0.00	Gwynns Falls	3732 Manchester Ave	21215
2/22/2012	295	Roots & Grease	0.00	Herring Run	5804 Kipling Ct	21212
2/22/2012	600	Rags & Grease	0.00	Patapsco	3026 Seamon Ave	21225
2/22/2012	394	Rags, Roots, Grease	0.00	Gwynns Falls	526 S Beechfield Ave	21229
2/22/2012	850	Roots	0.00	Gwynns Falls	121 S Augusta Ave	21229
2/22/2012	320	Rags & Debris	0.00	Gwynns Falls	3011 Wolcott Ave	21216
2/23/2012	428	Rags & Debris	0.00	Gwynns Falls	3011 Wolcott Ave	21216
2/25/2012	Unknown (Intermittent Flow)	Rags & Grease	0.00	None	620 Parkwyrth Ave	21218
2/25/2012	30	Rags & Grease	0.00	None	3328 W Caton Ave	21229
2/26/2012	140	Roots	0.00	Herring Run	1273 Walker Ave	21239
2/27/2012	Evidence of Overflow	Rags	0.00	Jones Falls	2905 Woodland Ave	21215
2/27/2012	5,403	Rags, Roots, Grease	0.00	Jones Falls	4307 Edgehurst Rd	21209
2/27/2012	Evidence of Overflow	Bad Spot	0.00	None	3665 Dudley Ave	21213
2/28/2012	Evidence of Overflow	Mud	0.00	None	508 S Hanover St	21201
2/28/2012	3,600	Roots & Grease	0.00	Herring Run	4216 Friar Field Run	21213
2/28/2012	950	Grease & Debris	0.00	Patapsco	6500 Riverview Ave	21222
2/29/2012	Evidence of Overflow	Rags	1.27	Jones Falls	2324 Druid Hill Ave	21217
2/29/2012	950	Grease & Debris	1.27	Jones Falls	105 Millbrook Rd	21218

City of Baltimore
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Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
3/1/2012	360	Rags & Roots	N/A	Jones Falls	3300 Falls Rd	21211
3/1/2012	Evidence of Overflow	Rags	N/A	None	2803 Elgin Ave	21216
3/1/2012	Evidence of Overflow	Rags & Grease	N/A	Jones Falls	2320 Bryant Ave	21217
3/2/2012	Evidence of Overflow	Grass & Debris	N/A	None	1504 Elmtree St	21226
3/2/2012	20	Roots	N/A	Herring Run	6412 Sefton Ave	21214
3/3/2012	Evidence of Overflow	Rags & Roots	N/A	None	25 S Augusta Ave	21229
3/4/2012	355	Rags, Grease, Debris	N/A	Gwynns Falls	4000 Frederick Ave	21229
3/4/2012	Evidence of Overflow	Rags, Grease, Debris	N/A	None	5928 Green Meadow Pkwy	21209
3/4/2012	Evidence of Overflow	Unknown	N/A	None	3936 Park Heights Ave	21215
3/4/2012	Evidence of Overflow	Rags	N/A	None	3360 Wilkens Ave	21229
3/5/2012	Evidence of Overflow	Unknown	N/A	None	732 Yale Ave	21229
3/5/2012	Evidence of Overflow	Rags	N/A	None	5000 Elmer Ave	21215
3/5/2012	1,025	Unknown	N/A	Herring Run	1107 Gittings Ave	21239
3/6/2012	Evidence of Overflow	Rags, Grease, Trash	N/A	None	1008 Billie Holiday Ct	21213
3/6/2012	Evidence of Overflow	Unknown	N/A	None	2803 Elgin Ave	21216
3/6/2012	180	Rags & Roots	N/A	Gwynns Falls	933 Wilmington Ave	21223
3/8/2012	Intermittent Flow	Roots	N/A	None	2603 Evergreen Ave	21214
3/8/2012	400	Rags, Grease, Debris	N/A	Patapsco	2100 Haines St	21230
3/8/2012	330	Rags & Roots	N/A	Jones Falls	4915 Greenspring Ave	21209
3/8/2012	Evidence of Overflow	Roots	N/A	None	3702 Reisterstown Rd	21215
3/8/2012	Evidence of Overflow	Rags	N/A	None	419 N Edgewood St	21229
3/8/2012	Evidence of Overflow	Rags	N/A	None	5117 Herring Run Dr	21214
3/9/2012	75	Roots	N/A	Jones Falls	3615 Falls Rd	21211
3/9/2012	300	Rags & Roots	N/A	Gwynns Falls	1900 Eagle Dr	21207
3/11/2012	Intermittent Flow	Rags & Grease	N/A	None	462 Roundview Rd	21225
3/11/2012	120	Rags & Roots	N/A	Jones Falls	4827 Keswick Rd	21210
3/12/2012	Intermittent Flow	Grease & Trash	N/A	None	2000 Belair Rd	21213
3/12/2012	Evidence of Overflow	Unknown	N/A	None	4815 Lindsay Rd	21229
3/12/2012	Evidence of Overflow	Rags & Grease	N/A	None	4814 Richard Ave	21214
3/12/2012	Intermittent Flow	Roots	N/A	None	947 Montpelier St	21218
3/13/2012	271	Rags	N/A	Patapsco	3220 Sun St	21226
3/13/2012	285	Rags & Grease	N/A	Jones Falls	2434 W Belvedere Ave	21215
3/13/2012	Evidence of Overflow	Roots	N/A	None	6008 Wallis Ave	21215
3/13/2012	Evidence of Overflow	Flat Connection	N/A	Herring Run	Catalpha Rd & Hemlock Ave	21214
3/13/2012	1,860	Roots & Trash	N/A	Jones Falls	5504 Springlake Way	21212
3/14/2012	Evidence of Overflow	Rags	N/A	None	305 Cable St	21210
3/14/2012	Evidence of Overflow	Rags	N/A	None	1418 Mill Race Rd	21211
3/14/2012	Evidence of Overflow	Rags	N/A	None	3011 Brighton St	21216
3/14/2012	Evidence of Overflow	Rags	N/A	None	3304 W North Ave	21216
3/15/2012	164	Rags & Roots	N/A	Gwynns Falls	2616 Talbot Rd	21216
3/15/2012	435	Rags & Grease	N/A	Herring Run	1328 Woodburne Ave	21239

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Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
3/15/2012	Evidence of Overflow	Rags	N/A	Patapsco	1605 Spruce St	21226
3/15/2012	146	Rags & Grease	N/A	Herring Run	3020 Overland Ave	21214
3/15/2012	1,020	Debris	N/A	Patapsco	2301 Chesapeake Ave	21222
3/15/2012	360	Rags & Grease	N/A	Gwynns Falls	705 Linnard St	21229
3/17/2012	75	Rags & Grease	N/A	Jones Falls	303 Rossiter Ave	21210
3/17/2012	560	Rags, Roots, Grease	N/A	Patapsco	845 Herndon Ct	21225
3/17/2012	Evidence of Overflow	Pipe Break	N/A	None	1320 N Potomac St	21213
3/17/2012	Evidence of Overflow	Rags & Debris	N/A	None	2934 Mallview Rd	21230
3/17/2012	Evidence of Overflow	Rags & Debris	N/A	None	1201 E Belvedere Ave	21239
3/18/2012	160	Rags, Grease, Debris	N/A	Jones Falls	Wyndhurst Ave & Wilmslow Rd	21210
3/18/2012	Evidence of Overflow	Rags & Grease	N/A	Jones Falls	1411 John St	21217
3/19/2012	Evidence of Overflow	Rags	N/A	None	2536 Washington Blvd	21230
3/19/2012	Evidence of Overflow	Debris & Stick	N/A	None	2440 Etting St	21217
3/19/2012	Evidence of Overflow	Rags	N/A	Jones Falls	2412 Saint Paul St	21218
3/20/2012	Evidence of Overflow	Unknown	N/A	None	3703 Fallstaff Rd	21215
3/20/2012	1,440	Rags, Roots & Sand, Gravel, Rocks	N/A	Gwynns Falls	5400 Frederick Ave	21229
3/21/2012	550	Grease	N/A	Patapsco	2000 Haines St	21230
3/21/2012	180	Rags & Grease	N/A	Jones Falls	2231 Rogene Dr	21209
3/21/2012	1,530	Rags, Pipe Break, Trash	N/A	Patapsco	2101 Van Deman St	21222
3/21/2012	Evidence of Overflow	Rags, Roots, Trash	N/A	None	4315 Lasalle Ave	21206
3/21/2012	Evidence of Overflow	Roots	N/A	None	4324 Reisterstown Rd	21215
3/21/2012	Evidence of Overflow	Rags	N/A	None	1812 Druid Hill Ave	21217
3/22/2012	113	Rags	N/A	Jones Falls	1322 McCulloh St	21217
3/22/2012	Evidence of Overflow	Rags	N/A	None	2907 The Alameda	21218
3/22/2012	Evidence of Overflow	Rags & Debris	N/A	None	3417 Edmondson Ave	21229
3/22/2012	Evidence of Overflow	Rags	N/A	None	3900 8th St	21225
3/22/2012	Evidence of Overflow	Grease & Debris	N/A	None	106 S Calverton Rd	21223
3/22/2012	Evidence of Overflow	Unknown	N/A	None	3310 Carlins Park Dr	21215
3/23/2012	137	Rags & Roots	N/A	Jones Falls	4302 Edgehurst Rd	21209
3/23/2012	Evidence of Overflow	Roots	N/A	Herring Run	3205 Elmora Ave	21213
3/26/2012	Evidence of Overflow	Rags & Debris	N/A	Gwynns Falls	4002 Wabash Ave	21215
3/26/2012	1,376	Rags & Debris	N/A	Gwynns Falls	3834 Lewin Ave	21215
3/26/2012	Evidence of Overflow	Construction Occurring	N/A	None	1653 Northwick Ct	21218
3/27/2012	Evidence of Overflow	Rags	N/A	None	4324 Reisterstown Rd	21215
3/27/2012	900	Rags & Grease	N/A	Patapsco	1349 Spelman Rd	21225
3/28/2012	208	Grease	N/A	Jones Falls	1378 W North Ave	21217
3/28/2012	414	Rags & Grease	N/A	Gwynns Falls	3311 Elbert St	21229
3/28/2012	Evidence of Overflow	Rags, Grease, Trash	N/A	None	601 N Calvert St	212102
3/29/2012	425	Roots & Trash	N/A	Herring Run	Greystone Rd & Ednor Rd	21218
3/29/2012	Evidence of Overflow	Unknown	N/A	None	506 N Rock Glen Rd	21229
3/29/2012	Evidence of Overflow	Rags	N/A	None	517 N Carrollton Ave	21223

City of Baltimore
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Date	Estimated Volume (Gal)	Cause	Rain	Receiving Waters	Location	Zip
3/30/2012	Evidence of Overflow	Roots	N/A	None	1550 N Monroe St	21217
3/30/2012	400	Rags, Grease, Debris	N/A	Jones Falls	3125 Remington Ave	21211
3/31/2012	Evidence of Overflow	Rags & Grease	N/A	None	3820 Fernhill Ave	21215
3/31/2012	Evidence of Overflow	Rags & Grease	N/A	None	412 E Oliver ST	21202
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.)						

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Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) 3/31/2012	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	On-going	27,126 (T)	Property Manager reported that work was completed on March 28, 2012.	City will perform confirmatory testing.
1	11/30/2007	Mannasota & Shannon	21213	Herring Run	Not Resolved	On-going	7,595,375 (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.	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	1,454,650 (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 is recommended. Manhole required to complete CIPP lining has been located in field.	CIPP lining was completed in March 2012. The City will perform confirmatory testing.
14	9/18/2007	JHU Campus	21218	Jones Falls	Not Resolved	On-going	1,827,637 (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 has informed JHU that the repairs to date have been unsuccessful. City will closely track progress in resolving this issue.
20	7/5/2006	W. 24th & Morton St.	21218	Jones Falls	Not Resolved	On-going	1,797,120 (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.	Perform confirmatory testing on 2417, 2431 and 2429.
24	9/1/2004	Collins Ave (end of the 500 block)	21229	Gwynns Falls	Not Resolved	On-going	898,560 (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.	Property owner at 4111 Walrad has refused entry for dye testing. HCD will process a right of entry.

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Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) 3/31/2012	Measures Taken to Identify Source or Resolve	Future/Planned Work
28	1/10/2007	Lovegrove & 31st Southwest Corner	21218	Inner Harbor	Resolved	On-going	3,610,656 (A)	After initial rounds of dye testing, City rerouted misconnected sanitary house connections to sanitary sewer. Additional testing indicates problem not resolved. New rounds of dye testing indicate that 3014 and 3016 are misconnected. City rerouted 3014 and 3016 to the sanitary sewer and retested to confirm. Resolved.	None
32	5/19/2009	4016-4018 Rogers Ave. - Rogers Post Apartments	21207	Gwynns Falls	Not Resolved	On-going	525,260 (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.	City will track progress of owner to address issue. Upon repair, City will retest to confirm.
33	6/25/2009	Cross Country Blvd & Crest Rd.	21209	Jones Falls	Not Resolved	On-going	4,029,908 (T)	Confirmatory testing has shown that this SDUO is not resolved. CIPP lining of one remaining section will be performed.	Upon lining of remaining section, SWMD will retest to confirm success. If unsuccessful, will consider lining of other adjacent sanitary sewers.
34	7/17/2009	Pall Mall Rd & Oswego Ave	21215	Jones Falls	Not Resolved	On-going	497,952 (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	On-going	2,047,581 (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.	City evaluating options.
38	11/6/2009	3302 Esther Place (inside 54"storm drain)	21212	Inner Harbor	Not Resolved	On-going	1,758,240 (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	27,509 (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.
41	5/26/2010	6214 Pimlico Rd (in Manhole)	21209	Western Run	Not Resolved	On-going	242,280 (T)	HCD/HABC reports that remedial measures are completed by property owner. Request made to SWMD to retest. Retest results show that problem is not abated. Contractor scheduled to reroute piping.	Upon completion of rerouting, City will perform confirmatory testing.



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Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) 3/31/2012	Measures Taken to Identify Source or Resolve	Future/Planned Work
42	6/3/2010	Cross Country & Key Ave (Storm Drain MH with sewage in bottom)	21215	Western run	Not Resolved	On-going	96,048 (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
44	6/17/2010	4501 Schenley Rd.	21210	Stoney Run to Jones Falls	Resolved	On-going	141,048 (T)	06/22/11 dye test by SWMD confirms that violation still exists. Meeting with owner expected for January 2012. Problem addressed and testing confirmed matter was corrected.	None
45	6/23/2010	5015 Greenleaf Rd.	21210	Stoney Run to Jones Falls	Not Resolved	On-going	93,168 (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.
46	6/3/2010	Pulaski Hwy & 62nd Street (Downstream Side of Culvert)	21237	Moores Run to Herring Run	Not Resolved	On-going	588,974 (T)	Investigation ongoing. Dye tests have found two properties on Manor Place with illicit connections. As these properties are in County, GF has contacted County DPW staff. Dye testing confirms that 1231 is positive to drain. City contractor rerouted piping.	Will work with Baltimore County to address their portion. Retest upon completion of lining to confirm success.
48	8/4/2010	3412 - 3418 Glenmore Ave	21214	Moores Run to Herring Run	Not Resolved	On-going	304,920 (T)	On 6/30/2011, the on-call contractor replaced two sanitary house connections on Gilmoure 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.	Investigation ongoing. Cleaning and CCTV activities beyond the newly installed MH planned for January 2012. Possible that replacing two sanitary house connections on Glenmore Ave. will abate the problem. Additional CCTV scheduled for April.
51	9/9/2010	Barre St. near Sterrett	21203	Inner Harbor	Not Resolved	On-going	14,719 (A)	Investigation ongoing.	Letter is being drafted to HCD for violation notice.
52	11/17/2010	39th & University Pkwy	21218	Jones Falls	Not Resolved	On-going	326,038 (T)	Investigation ongoing. Line CCTVed in Nov. 2011, but debris and roots block pipe. Coordinating with contractor to install new MH to facilitate further CCTV.	Continue investigation upon construction of new MH.
53	5/12/2011	Dale Rd. at Crest Rd.	21209	Jones Falls	Not Resolved	On-going	46,656 (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.

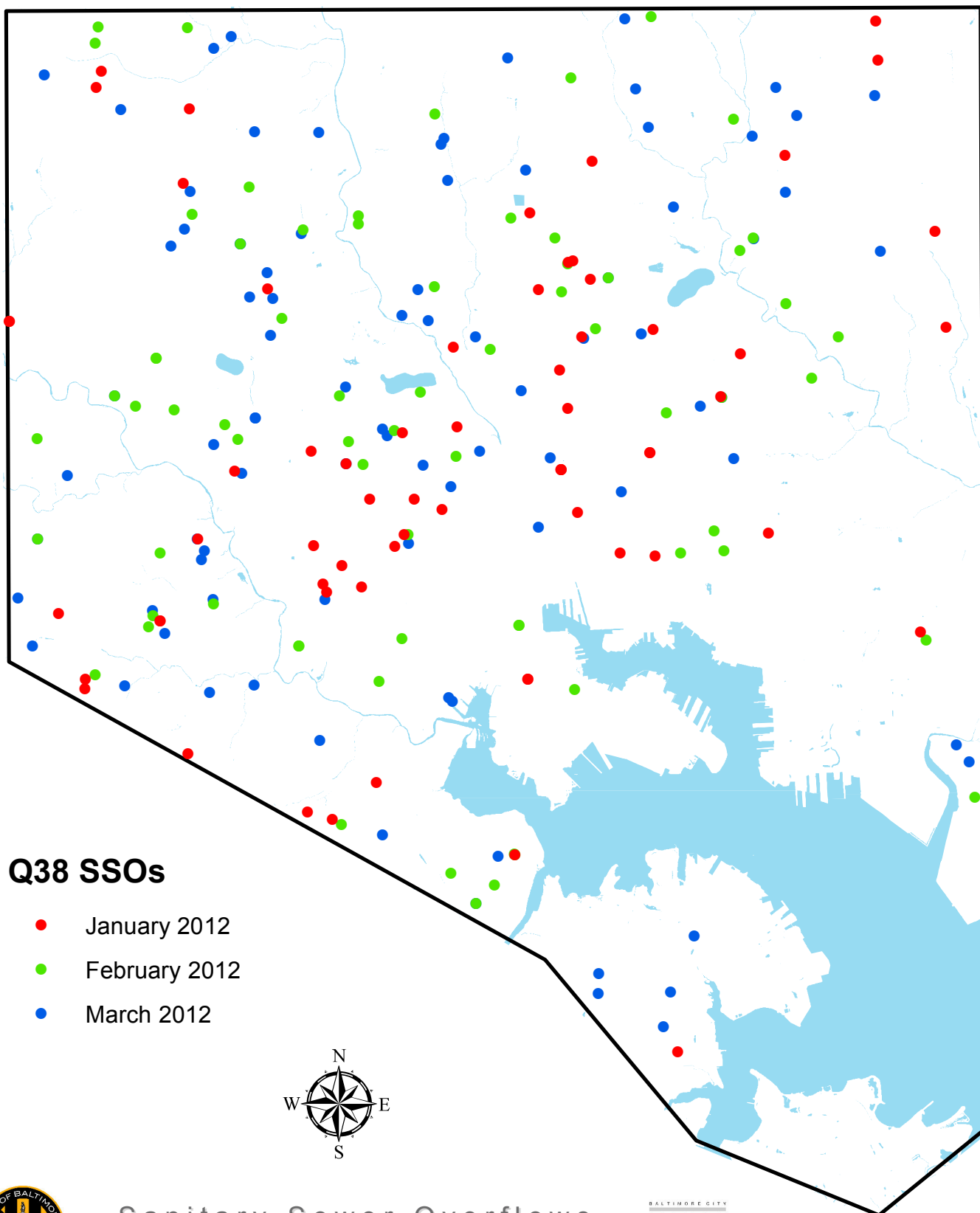
Updated through March 31, 2012

Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) 3/31/2012	Measures Taken to Identify Source or Resolve	Future/Planned Work
54	6/21/2011	Cylburn Ave at N. Parkway	21210	Jones Falls	Not Resolved	On-going	408,960 (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.
55	8/9/2011	Mannasota Ave. at Parkside Drive	21206	Herring Run	Not Resolved	On-going	8,683 (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.
56	8/23/2011	Clifton Road between Fairfax and Westchester Roads	21216	Gwynns Falls	Not Resolved	On-going	210,158 (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.	On-call contractor to install MH in April to facilitate CCTV investigation.
57	8/31/2011	Seabury & Hillview	21225	Patapsco	Not Resolved	On-going	109,956 (T)	CIPP Lining recommended.	Retest after lining to confirm success.
58	11/17/2011	Belnord, North of Ashland Ave.	21205	Inner Harbor	Not Resolved	On-going	69,690 (T)	Site has been visited multiple times. Consistently has no flow.	City will continue to monitor and retest.
59	11/22/2011	Fairmount and Bradford	21224	Inner Harbor	Not Resolved	On-going	22980 (A)	Initial investigation ongoing.	Continue investigation and develop recommendations.
60	11/22/2011	Milton & Chase	21213	Inner Harbor	Not Resolved	On-going	46,800 (T)	Lining recommended 1/19/12.	Upon completion of lining, City will perform confirmatory testing.
61	11/30/2011	Hilton St. Near Piedmont	21216	Gwynns Falls	Not Resolved	On-going	55,687 (T)	City contractor requested to install MH to facilitate investigation. MH is scheduled to be installed in April.	Upon construction of MH, UES will continue CCTV investigation and develop recommendations.
62	1/27/2012	JHU - Remsen Hall	21218		Not Resolved	On-going	21,412 (A)	Met with representatives of Johns Hopkins University to discuss issue.	JHU is investigating and will proceed with repairs.
63	12/2/2011	Pinkney & Winner	21215		Not Resolved	On-going	18,747 (T)	CIPP Lining recommended.	Continue investigation and develop recommendations.

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Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) 3/31/2012	Measures Taken to Identify Source or Resolve	Future/Planned Work
	SDUO Site on Private Property								
	Site abated								

SDUO Summary: 1. Total SDUO Sites Documented: 65 2. Total SDUO Sites Resolved: 35 (54% Complete) 3. Total SDUO Sites on Private Property: 12 4. Total SDUO Sites Unresolved: 30 (46% Open) 5. New SDUO Sites documented in the last Quarter: 2 6. Under the column entitled "Date of Resolution", if the note reads Not Resolved an end date of 03/31/2012 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.



Q38 SSOs

- January 2012
- February 2012
- March 2012



Sanitary Sewer Overflows
January 2012 - March 2012



Updated: March 2012

CITY OF BALTIMORE

STEPHANIE RAWLINGS-BLAKE, Mayor



DEPARTMENT OF PUBLIC WORKS

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

April 26, 2012

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
601 D Street NW, Room 6002
Washington, D.C. 20579

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

Michelle Price-Fay
Chief, NPDES Enforcement Branch
United States Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103

Chief
Enforcement Division, Compliance Program
Water Management Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, MD 21230

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
950 Pennsylvania Avenue, N.W.
Washington, D.C. 20530

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

Joyce A. Howell (3RC20) (Cover letter only)
Senior Assistant Regional Counsel
United States Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103

Principal Counsel
Maryland Department of the Environment
Office of the Attorney General
1800 Washington Boulevard
Baltimore, MD 21230

RE: United States, et al. v. Mayor and City Council of Baltimore
Civil Action No. JFM-02-1524
Amendment For Calendar Quarters Ending
June 30, 2011 (Q35) and September 30, 2011 (Q36)

Ladies and Gentlemen:

For Calendar Quarters Ending June 30, 2011 (Q35) and September 30, 2011 (Q36), the reported volumes for the outstanding SDUO sites discovered prior to October 2008 were not estimated based on a start date of October 2008 (the date of approval of the quantification protocol by MDE/EPA). As a result, the volumes for seven (7) sites were overestimated. It is the purpose of this Amendment to revise and report the revised volumes for Q35 and Q36. The revised volumes are as follows: Priority #01 –

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April 26, 2012

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Hopkins House; #01 – Mannasota & Shannon; #02 – 6225 York Rd; #14 – JHU Campus; #20 – Morton Alley & 24th; #24 – Collins & Porter; and #28 – Lovegrove & 31st.

Please replace the enclosed sheets in your previously submitted reports with the enclosed for Q35 and Q36 and do not hesitate to contact us if you have any questions related to this Amendment.

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
Thak Bakhru, P.E.
Mr. Wazir Qadri
Sean Searles, P.E.
Arthur Jones-Dove, P.E.
Thomas M. Lingan, Esquire
Dana Cooper, Esquire
Ms. Dawn Lettman
File

Q35

Updated through June 30, 2011

Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge (gallons) (See Note 7 Below)	Estimated Volume of Sewage Discharge for Which The City is Responsible, (Gal)	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	On-going	75,315 (T)	21,149 (T)	Series of dye and ammonia testing and CCTV inspections. City has made point repairs on sewer line in 39th Street, which seems to have reduced ammonia in the adjacent Storm Drain. CCTV shows significant grease in storm drain pipe from Hopkins House, further investigation required.	The City continued to coordinate with Hopkins house regional property manager and a meeting has been scheduled in July to discuss the City's findings and to propose an approach to resolve this issue.
1	11/30/2007	Mannasota & Shannon	21213	Herring Run	Not Resolved	On-going	7,889,461 (T)	5,868,842 (T)	City had on-call contractor cap the under drain to resolve the SPOU, but the sewage is now filtered into the storm drain pipe. City has reviewed prior work and has determined that a section of pipe may have not been lined due to sags. S/WMD performed additional dye testing on the unlined section of sewer pipe no dye showed in storm drain or underdrain.	On-call consultant to evaluate testing and inspection info and provide a recommendation.
2	4/11/2007	625 York Rd behind Walker Mews Apartment Building	21212	Herring Run	Not Resolved	On-going	1,796,166 (T)	1,134,114 (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 is recommended. Manhole required to complete CIPP lining has been located in field.	City to coordinate with On-call contractor to complete additional CIPP Lining, which will be followed-up with confirmatory testing.
14	9/18/2007	JHU Campus	21218	Jones Falls	Not Resolved	On-going	2,022,409 (T)	1,424,913 (T)	The City sent a letter on March 9, 2011 to JHU notifying them that an on-call contractor was investigating the cause of the sewage line problem and was to be completed by June 2, 2011 that they plan on carrying out the repair/rehabilitation work on the sewer line in July 2011.	The City continues to follow up with JHU on the progress of the work to ensure timely completion.
20	7/5/2006	W. 24th & Morton St.	21218	Jones Falls	Not Resolved	On-going	2,622,240 (A)	1,401,120 (A)	Series of dye and ammonia testing and CCTV inspections performed. Based on field investigations the problem seems to be private property connections. Additional manhole was installed for testing.	City to perform additional dye tests on private property and coordinate with Housing Department to address the issue.
24	9/1/2004	Collins Ave (end of the 500 block)	21229	Gwynns Falls	Not Resolved	On-going	1,794,960 (T)	700,560 (T)	Beyond the dye, ammonia testing and CCTV inspection, the City decided to perform smoke testing also in this area to identify the source(s) of sewage. Currently, smoke testing notifications are being developed.	Smoke testing in this area will be carried out in August 2011.
28	11/10/2007	Lovegrove & 31st Southwest Corner	21218	Inner Harbor	Not Resolved	On-going	4,935,168 (A)	2,942,352 (A)	City installed new SD manhole for future maintenance. Additional CCTV shows sewer connections from houses are connected to storm drain. On-call contractor has completed disconnection of additional sewer HC from SD and re-connected to parallel sewer line. Based on recent inspection at downstream SD this site is still releasing sewage.	City to continue site investigation and testing to determine source of sewage ex-filtration and eliminate.

Q36

Updated through September 30, 2011

Serial No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Estimated Quantity of Discharge (gallons) (reported)	Estimated Quantity of Discharge (gallons) (revised)	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	On-going	77,314 (T)	23,149 (T)	A meeting was conducted on 7/19/2011 with Hopkins House management company representatives and a follow-up letter was sent by the Bureau of Water and Wetlands to the property owner advising of the problem.	City to follow-up with home owner.
1	11/30/2007	Manassota & Shannon	21213	Herring Run	Not Resolved	On-going	8,520,453 (T)	6,481,630 (T)	City had on-call contractor cap the under drain to resolve the SDUO, but the sewage is now filtrated into the storm drain pipe. City has reviewed prior work and has determined that a section of pipe may have not been lined due to sags. SWMD performed additional dye testing on the unlined section of sewer pipe no dye showed in storm drain or underdrain.	Further investigation with dye testing and ammonia testing is required. Plugging of outfall underdrain has not abated the SDUO. The on-call consultant recommended that the last remaining un-lined segment of Manassota Ave. interceptor be replaced.
2	4/11/2007	6225 York Rd behind Walker Mews Apartment Building	21212	Herring Run	Not Resolved	On-going	1,903,400 (T)	1,241,348 (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 is recommended. Manhole required to complete CIPP lining has been located in field.	The lining contractor started additional CIPP lining and reported to UES that a manhole is severely offset, impairing any lining operations. The City will repair the manhole and proceed with lining.
14	9/18/2007	JHU Campus	21218	Jones Falls	Not Resolved	On-going	2,157,139 (T)	1,559,642 (T)	JHU confirmed that they are making progress on remedial measures on the pipe work to UES on 7/11/11.	The city continues to follow up with JHU on the progress of the work to ensure timely completion.
20	7/5/2006	W. 24th & Morton St.	21218	Jones Falls	Not Resolved	On-going	2,754,720 (A)	1,533,600 (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.	The City has requested that SWMD perform confirmatory testing at manhole.
24	9/1/2004	Collins Ave (end of the 500 block)	21229	Gwynns Falls	Not Resolved	On-going	1,861,200 (T)	766,800 (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.	City to continue investigations and perform further smoke and dye testing.
28	1/10/2007	Lovegrove & 31st Southwest Corner	21218	Inner Harbor	Not Resolved	On-going	5,213,376 (A)	3,220,560 (A)	City continues to investigate by performing smoke and dye testing to attempt to identify additional properties improperly connected to the old drain. It was determined that 3014 St. Paul st. is still illegally connected to the drain.	City on-call contractor to re-excavate at the rear of 3014 St. Paul Street and connect property to sanitary line. SWMD is to perform confirmatory testing after the repair is completed.