

CITY OF BALTIMORE

STEPHANIE RAWLINGS-BLAKE, Mayor



DEPARTMENT OF PUBLIC WORKS

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April 22, 2015

VIA OVERNIGHT MAIL

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

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

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**RE: United States, et al. v. Mayor and City Council of Baltimore
Civil Action No. JFM-02-1524
Calendar Quarterly Report No. 50
For Calendar Quarter Ending March 31, 2015**

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. 50, for the Calendar Quarter ending March 31, 2015.

Please Visit Our Website @ www.baltimorecity.gov



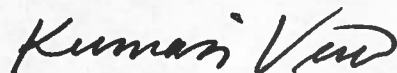
Printed on recycled paper with environmentally friendly soy based ink.

April 22, 2015

Page 2

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

Sincerely,

A handwritten signature in black ink that reads "Kumasi Vines". The signature is written in a cursive, flowing style.

Kumasi Vines
Acting Bureau Head

Enclosures

KV/ajd

cc: Rudolph Chow, P.E.
Mr. George Nilson
Thomas Ligan, Esquire
Mr. Mike Gallagher
Art Shapiro, P.E.
Dana Cooper, Esquire
Ms. Dawn Lettman
Arthur Jones-Dove, P.E.
File

City of Baltimore Sanitary Sewer Overflow Consent Decree

Civil Action No. JFM-02-1524

Calendar Quarterly Report No. 50
For Calendar Quarter ending March 31, 2015

*Submitted:
April 30, 2015*

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

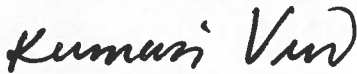
*Prepared By:
City of Baltimore
Department of Public Works,
Bureau of Water and Wastewater*



Civil Action No. JFM-02-1524
Calendar Quarterly Report No. 50
For Calendar Quarter Ending March 31, 2015

Statement of Certification

I certify under penalty of law that this information was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my directions and my inquiry of the person(s) who manage the system, or the person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.



Kumasi Vines
Acting Bureau Head

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A. INTRODUCTION

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

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

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

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

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

B. PROGRESS OF IMPLEMENTATION OF SECTION VI REQUIREMENTS

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

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

- A. **General Requirements:** During the calendar quarter ending March 31, 2015, the City of Baltimore was in general compliance with the Clean Water Act and Title 9, Subtitle 3 of the Environment Article, Annotated Code of Maryland. Episodes of non-compliance include un-permitted sanitary sewer overflows (SSOs), as reported during the quarter in accordance with Paragraph 17 of the Consent Decree and as summarized in Appendix 5 herein.
- B. **Construction Projects:** Appendix 1 to this Calendar Quarterly Report provides a status update for each of the construction projects listed in Appendix D of the Consent Decree.

1. Practical Completion

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

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

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

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

2. SSO Structure Elimination

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

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

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

The City is working on addressing these SSOs. The City has engaged the services of an engineering firm to investigate and evaluate the collection system adjacent to SSO Nos. 132, 134 and 135. The design to eliminate these SSOs is complete and the contract was advertised on February 10, 2012, bids were opened on April 4, 2012, contract was awarded on September 26, 2012, and Notice to Proceed was issued on February 4, 2013. **Due to construction and bypass activity at SSO #132 (site P8_10_132S), SSO #134 (site HL32) and SSO #135 (site P8_10_135S) these meters were removed on 2/20/14, 8/17/13 and 6/13/14 and, respectively. These meters were re-installed on 9/11/14 after construction activities were concluded.**

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

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

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

D. **Elimination of Combined Sewer Overflows:**

Walbrook: This project has been completed.

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

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

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

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

As of March 31, 2015, 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

Consent Decree Project ID No.	ADS Project ID No.	Project	No. of Meters		
			January	February	March
Total			3	3	3

A summary of rainfall and flow monitoring data collected during December 2014 and January and February 2015 (the data reported lags by one month due to the 30-day lag time in delivery of the prior month's data), prepared by RJN/ADS Environmental Services is submitted on a compact disk in the inside of the back cover of this Calendar Quarterly Report. The ADS report includes:

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

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

F. Progress Reports:

Progress of work under Paragraph 8 is as reported herein.

Paragraph 9: Collection System Evaluation and Sewershed Plans

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

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

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

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

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

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

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

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

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

D. Infiltration and Inflow ("I/I") Evaluation: Flow monitoring began on May 09, 2006. As of March 31, 2015, the flow monitoring continues at 9 meter locations throughout the City, including the long term monitoring program.

E. Long-Term Capacity/Peak Flow Management: During the calendar quarter ending March 31, 2015, there was no capacity/flow management analysis activity related to the Sewershed Studies and Plans.

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

Sewershed Study and Plan(s):

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

Approval

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

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

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

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

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

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

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

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

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

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

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

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

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

Implementation

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

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

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

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

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

Paragraph 10: Illegal Sewer Connections

A. Illegal Private Connections: During the calendar quarter ending March 31, 2015, Baltimore further addressed the list of suspected illegal connections to the collection system known to the City. The City had previously initiated enforcement actions for 14 suspected illegal connections by notifying the respective property owners of the suspected illegal connections and actions to be taken, as required by Paragraph 10.A of the Consent Decree. In accordance with the City's enforcement plan, staff of Housing and Community Development (HCD) inspected these 14 properties and determined that two were not illegal connections, ten required dye/smoke testing for confirmation, and two required further evaluation. The City performed dye testing and determined that only 5 are illegal connections. Furthermore, the City has identified and confirmed 33 additional properties within the Western Run Sewershed with potential illegal storm water connections to the sanitary system.

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

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

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

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

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

- B. Updated List of Illegal Connections:** Appendix 3 contains the updated list of known illegal connections.
- C. Illegal Connection Enforcement and Implementation Plan:** This requirement has been completed as reported in Quarterly Report No. 7.
- D.** In a letter dated May 05, 2003, MDE stated that they had reviewed the draft plan for implementation and enforcement with regard to illegal connections and found it to be acceptable. As requested by MDE, the City is considering the merits of adding a provision to the Plan that would enable the City Department of Public Works to actually do disconnections themselves and bill people for the materials and labor as a last resort if they have a situation where flows may cause a SSO and there is no cooperation from the property owner. To date, the need for this has not occurred. EPA in its letter dated January 12, 2005 has approved the Illegal Sewer Connection Detection and Enforcement Plan.
- E.** Progress of work under Paragraph 10 is as reported herein.
- F. Privately-Owned Portion of a Customer Service Connection Lateral:** During the calendar quarter ending March 31, 2015, 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, 2015, 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, 2015, 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, 2015, 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, 2015, 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, 2015, 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, 2015.

Table 11-1: Pumping Station Inspection and Repair Program

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

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

Paragraph 12: Collection and Transmission System Model

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

Paragraph 13: Collection System Operation and Maintenance

- A. During the calendar quarter ending March 31, 2015, Baltimore continued to review current practices and procedures for collection system operation and maintenance, and to identify any changes that are needed for full compliance with the requirements of Paragraph 13.A. of the Consent Decree.
- B. The draft Operations and Maintenance Program Report required under Paragraph 13.B. of the Consent Decree was submitted in accordance with the milestone date of January 28, 2003 (120 days from the Date of Entry of the Consent Decree). MDE has indicated approval of this draft Report; EPA has also approved this report in its letter dated January 12, 2005.
- C. The City of Baltimore has implemented root and grease control programs after approval of chemical products that will be used as part of the cleaning for root and grease problem areas. Those pipes that are found to have root and grease problems are being treated under these programs and recorded/tracked in the GIS system.
- D. **Progress Reports:** The implementation period of the Operations and Maintenance Plan was completed in July 2006. The City submitted the Year 1 Annual Report on October 30, 2007, which covered the time period from July 2006 to July 2007. This report includes all elements as specified in this section of the Consent Decree. The Year 2 Annual Report was submitted on October 30, 2008 and it covers the time period from July 2008 to June 2009. The Year 3 Annual Report was submitted to EPA/MDE and DOJ on October 27, 2009. The City of Baltimore submitted the fourth annual progress report, on October 28, 2010. The fifth annual progress report was submitted to EPA/MDE on October 21, 2011. The sixth annual progress report was submitted on October 25, 2012. The seventh annual progress report was submitted on October 30, 2013. **The eighth annual progress report was submitted on October 30, 2014**

Paragraph 14: Information Management System Program

- A. During the calendar quarter ending March 31, 2015, 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, 2015. Most of the information currently in the database has been taken from record documents (for example, "as-built" drawings). **This information will be verified and supplemented with field inspection data/information, and all required database fields are being populated, as part of the Sewershed Studies required under Paragraph 9 of the Consent Decree. Progress toward implementation of the GIS is reported in Item 14.B. above.**

Paragraph 15: Valve Inspection and Repair Program

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

Paragraph 16: Emergency Response Plan – Un-permitted Discharges

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

- D. **Yearly Review and Update:** During the Calendar Quarter ending December 31, 2007, the City submitted the Yearly Update for 2007. The 2008 update was submitted on December 26, 2008. The City of Baltimore submitted updates to the ERP for 2009 on December 28, 2009. The 2010 annual updates to the ERP were submitted to the Regulators on December 28, 2010. The 2011 annual updates to the ERP were submitted to the Regulators on December 23, 2011. The 2012 annual updates to the ERP were submitted to the Regulators on December 21, 2012. The 2013 annual updates to the ERP were submitted to the Regulators on December 21, 2013. **The 2014 annual updates to the ERP were submitted to the Regulators on December 18, 2014.**
- 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, 2015, 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, 2015 is provided in Appendix 5.
- B. During the calendar quarter ending March 31, 2015, 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, 2015, 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, 2015, 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, 2015, SC 845R - BAF and tertiary PS bids were rejected and the project was re-advertised in December 2011 and bids were received on February 15, 2012. Notice to Proceed (NTP) for construction was issued on August 1, 2012 and the estimated construction completion date is February 2015. SC 852R - Denitrification filters project was advertised on March 27, 2009 and the bids were rejected. This project was re-advertised on October 13, 2009 and the successful bidder was awarded the NTP on December 29, 2009. **This project is currently in the construction phase.**

In addition, the City has selected the consultant for engineering services for SC 855 - ENR Modifications to the Existing Facilities at the Patapsco Wastewater Treatment Plant. As of the calendar quarter ending March 31, 2015, this contract was advertised on April 30, 2010, and bids were due on September 30, 2010. The construction NTP was issued on February 22, 2011. **This project is currently under one year warranty period.**

Contract Award to the Contractor for the Improvements to the Headworks and Wet Weather Flow Equalization at Back River WWTP Project (SC 918) is anticipated by June 2015.

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

As of the calendar quarter ending March 31, 2015 the City of Baltimore has updated the Sanitary Discharges of Unknown Origin (SDUO) tracking sheet to the Quarterly Report per the requirements of the policy letter by EPA and MDE dated March 31, 2009. The details of these sites are located in the SDUO tracking sheets in Appendix 5.

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

November 18, 2010 and sent in the application of the SDUO Protocol on December 28, 2010.

APPENDIX 1

STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS

APPENDIX 1
STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS
As of March 31, 2015

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

Note: Shaded date cells indicate completion.

APPENDIX 1
STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS
As of March 31, 2015

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

Note: Shaded date cells indicate completion.

APPENDIX 1
STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS
As of March 31, 2015

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

Note: Shaded date cells indicate completion.

APPENDIX 2

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of March 31, 2015

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 (A)	1/1/2013 (A)	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 (A)	1/1/2014 (A)	This contract was awarded to Video Pipe Services (VPS) on October 21, 2009. The Cleaning of the Lower Jones Falls and Maryland Ave. Siphon Cleaning were combined into one Project (SC 876).
JF-7	Upper Jones Falls Interceptor Reactivation	Reactivation of an inactive 42-inch diameter interceptor sewer along Jones Falls from Northern Parkway (MH S19CC_2045MH) to Cold Spring Lane (MH S19OO_1042MH). Prior to reactivation of the 42-inch sewer, an internal inspection of the sewer was necessary to find the actual condition of the line. The City utilized its technical support consultant (KCI) to carry out the inspection process. The field work was started in September 2009 and their findings were completed and a final report was delivered on June 30, 2010.	07/15/2009 (A)	08/08/2010 (A)	N/A	Per Consultant's (KCI) evaluation of the inspection and cleaning work, the line is in fairly good condition and can be re-activated without any major repair/rehabilitation work. This project is complete and the City will utilize this line in the future as deemed necessary. A Construction project will not be pursued. All Future work for this pipe will be tracked independently by the City. Conditional Acceptance was on 11/17/10, and Final Acceptance was on 09/22/11.
JF-8	SC 895 - MD Ave Sewer Rehab	SC 895 - Repair and rehabilitation of sanitary sewer and manholes in the Maryland Ave sub-sewershed of the Jones Falls Sewershed.	11/04/11 (A)	05/20/13 (A)	5/8/14 (A)	Bids were opened on 12/14/11 and AM Liner was the lowest bidder. Contract was awarded to AM Liner on 03/21/2012. Pre-construction meeting was held on May 17, 2012. Construction began June 2012. Fourth construction progress meeting was held on March 20, 2013. Last construction progress meeting was held on May 08, 2013. Construction completed.
JF-9	SC 898 - Stony Run Area	Repair and rehabilitation of sanitary sewer and manholes in the Stony Run Area of the Jones Falls Sewershed.	7/27/2012 (A)	2/7/2015 (P)	2/7/2016 (P)	The project was advertised on 7/27/12. The lowest bidder is Insituform Technologies. Award date is 12/19/12 and NTP issued on 2/8/13. Project in liquidated damages
JF-10	SC 899 - Western Run Area	Repair and rehabilitation of sanitary sewer and manholes in the Western Run Area of the Jones Falls Sewershed.	7/27/2012 (A)	11/30/2014 (P)	11/30/2015 (P)	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies . Award date is 12/19/12 and NTP issued on 2/8/13. Project in liquidated damages
JF-11	SC 900 - Upper Jones Falls and Maryland Avenue	Repair and rehabilitation of sanitary sewer and manholes in the Upper Jones Falls and Maryland Avenue areas of the Jones Falls Sewershed.	7/27/2012 (A)	2/2/2015 (P)	2/2/2016 (P)	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies . Award date is 12/19/12 and NTP issued on 2/8/13. Project in liquidated damages
JF-12	SC 897R - Greenmount, Hampden and Bolton Hill	Repair and rehabilitation of sanitary sewer and manholes in the Greenmount, Hampden, and Bolton Hill areas of the Jones Falls Sewershed.	3/22/2013 (A)	3/14/2015 (P)	3/14/2016 (P)	The contract was advertised on 3/22/13. The lowest bidder is Insituform Technologies. Award date is 6/26/13 and NTP issued on 6/27/13. Project in liquidated damages

Note: Shaded date cells indicate completion.

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of March 31, 2015

Proj. No.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF CONSTRUCTION COMPLETION	DATE OF EVALUATION COMPLETION	STATUS
OUTFALL SEWERSHED						
OF-6	Sediment Cleaning Trunk Sewers in City of Baltimore.	SC 894 - Cleaning of Outfall Sewershed 99-Inch and Outfall Interceptor (From N. Bond Street to 6300 Block of E. Lombard Street)	08/05/11 (A)	04/12/2014 (A)	4/12/2015 (A)	This contract was awarded to Metra Industries, who was the lowest bidder, on 6/8/11. NTP was issued on 8/8/11. Cleaning of the outfall stopped as of 6/25/12. Project re-started on 4/29/13 and was completed on 4/27/14.
OF-7	SC934 - CLEANING OF THE OUTFALL INTERCEPTOR AND RELIEF SEWERS - PHASE II	Cleaning of the relief sewer and outfall interceptor - phase II	12/13/2013 (A)	9/6/2015 (P)	9/6/2016 (P)	The contract was advertised on 12/13/13. The lowest bidder is Metra Industries. Award date is 3/12/14 and NTP issued on 4/24/14.
HIGH LEVEL SEWERSHED						
HL-8	Liberty Heights Relief Sewer	SC 879 - Design and construction 18" Relief Sewer from intersection of Springdale Rd and N Hilton St to intersection of Wabash Ave and Liberty Heights Ave. (S09UU_007MH to S13UU_008MH). Work includes excavation and removal of existing 12 inch sewer line, installation of 2400 LF of new 18-inch sewer line and relocation of 720 LF of 20-inch water line. Evaluation phase will include continual monitoring of existing engineered SSOs 132, 134 and 135 to ensure no overflows	2/10/2012 (A)	4/11/2014 (A)	4/11/2015 (A)	The contract was advertised on 2/10/12. Bids were due by 3/21/12, but date was extended to 4/4/12. The contract was awarded on 9/26/12 to Monumental Paving and Excavating Inc. First construction progress meeting was held on 3/20/13.
HL-9	SC907 - East Baltimore Region	SC 907 - Repair and rehabilitation of sanitary sewer and manholes in the East region of the High Level Sewershed.	3/22/2013 (A)	5/5/2015 (P)	5/5/2016 (P)	The contract was advertised on 3/22/13. The lowest bidder is Inland Waters. The project was awarded on 8/14/13 and NTP was issued on 11/1/13.
HL-10	SC906 - West Baltimore Region	SC 906 - Repair and rehabilitation of sanitary sewer and manholes in the West region of the High Level Sewershed.	5/10/2013 (A)	11/6/2015 (P)	11/6/2016 (P)	The contract was advertised on 5/10/13. Lowest Bidder is SAK Construction. The contract was awarded on 11/13/13 and NTP issued on 2/5/14.
HL-11	SC932 - Improvements to Lower Gwynns Run Interceptor – Phase II From Franklin Street to Baltimore Street	SC 932 - Improvements to Lower Gwynns Run Interceptor – Phase II From Franklin Street to Baltimore Street - microtunneling project	7/26/2013 (A)	11/26/2015 (P)	11/26/2016 (P)	The contract was advertised on 7/26/13. Lowest Bidder is Bradshaw Construction. Contract was awarded on 3/12/14 and NTP issued on 5/28/14.
HL-12	SC933 - High Level Interceptor Cleaning	SC 933 - cleaning of the High Level Interceptor	7/26/2013 (A)	7/30/2015 (P)	7/30/2016 (P)	The contract was advertised on 7/26/13. Lowest Bidder is Video Pipe Services Construction. Due to an unbalanced bid, the contract will be awarded to the second lowest bidder Proven Management. Award date is 4/23/14 and NTP issue date is 7/30/14
HL-12	SC905 - North Region of High Level Sewershed	SC 905 - Repair and rehabilitation of sanitary sewer and manholes in the North region of the High Level Sewershed.	10/11/2013 (A)	6/2/2015 (P)	6/2/2015 (P)	The contract was advertised on 10/11/13. Lowest Bidder is Spiniello. Contract was awarded on 3/19/14 and NTP issued on 6/2/14.
Herring Run Sewershed						
HR-1	SC911 - Herring Run Sewer Improvement	SC 911 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	8/16/2013 (A)	11/15/2015 (P)	11/15/2016 (P)	The contract was advertised on 8/16/13. Lowest Bidder is AM Liner East. Contract was awarded on 2/5/14 and NTP issued on 5/14/14.
HR-2	SC908 - Herring Run Sewer Improvement	SC 908 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	9/6/2013 (A)	12/31/2015 (P)	12/31/2016 (P)	The contract was advertised on 9/6/13. Lowest Bidder is Anchor Construction. Due to issues with MBE/WBE, the contract was awarded to the second lowest bidder AM Liner East. Contract was awarded on 2/5/14 and NTP issued on 5/1/14.
HR-3	SC909 - Herring Run Sewer Improvement	SC 909 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	10/11/2013 (A)	10/1/2015 (P)	10/1/2016 (P)	The contract was advertised on 10/11/13. Lowest Bidder is Inland Construction. Contract was awarded on 1/29/14 and NTP issued on 4/2/14.
Low Level Sewershed						

Note: Shaded date cells indicate completion.

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of March 31, 2015

Proj. No.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF CONSTRUCTION COMPLETION	DATE OF EVALUATION COMPLETION	STATUS
LL-1	SC922R - Low Level Interceptor Cleaning	SC 922R - cleaning of the Low Level Interceptor	1/31/2014 (P)	10/1/2015 (P)	10/1/2016 (P)	The contract was advertised on August 16, 2013. Lowest Bidder is Video Pipe Services Construction. Due to unbalanced bids, this contract was readvertised on 2/7/14. Lowest Bidder is Video Pipe Services Construction. Award date is 7/23/14. NTP issued on 10/1/2014.
LL-2	SC913 - Western Region of Low Level	SC 913 - Repair and rehabilitation of sanitary sewer and manholes in the Western Region of the Low Level Sewershed.	9/20/2013 (A)	10/9/2015 (P)	10/9/2016 (P)	The contract was advertised on 9/20/13. The lowest bidder is Metra. Contract was awarded on 2/12/14 and NTP issued on 4/17/14.
LL-3	SC912 - Eastern Region High Level	SC 912 - Repair and rehabilitation of sanitary sewer and manholes in the Eastern Region of the Low Level Sewershed.	9/20/2013 (A)	8/29/2015 (P)	8/29/2016 (P)	The contract was advertised on 9/20/13. The lowest bidder is Insituform. Contract awarded on 1/15/14 and NTP issued on 3/7/14.
GF-1	SC920 - South Area Gwynns Falls	Gwynns Falls Sewershed				
		SC 920 - Improvements to the Gwynns Falls Sewershed Collection System - Area A	6/6/2014 (A)	12/31/2015 (P)	12/31/2016 (P)	The contract was advertised on 6/6/14. The lowest bidder is SAK Construction. NTP was issued on 1/12/2015.
DD-1	SC 902 - Sewer Rehab in the Dundalk	SC 902 - Sewer Rehab in the Dundalk Sewershed	3/6/2015 (A)	12/15/2015 (P)	12/15/2017 (P)	The contract was advertised on 3/6/15. Bid opening is 4/8/2015

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

Note: Shaded date cells indicate completion.

APPENDIX 3

LIST OF ILLEGAL CONNECTIONS

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

March-15

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

APPENDIX 4

PUMPING STATION WORK ORDERS

Completed/Issued W/O Report Mike/Tris
CONSENT ORDERS
JAN. 01, 2015 - MAR. 31, 2015
Appendix "H"

QUERY NAME EQUIP4000
LIBRARY NAME MONTHLYREIN

FILE	LIBRARY	MEMBER	FORMAT
WSNST00	PT681OF	WSNST00	WSNST00R
EQNST	PT681OF	EQNST	EQNSTR
WSNST31	PT681OF	WSNST31	WSNST31R
DCCTL	PT681OF	DCCTL	DCCTLR
ETEXTS	PT681OF	ETEXTS	TEXTSR

DATE 04/07/15
TIME 10:58:09

Completed Opt. - PS only (CD) Appendix "H" (D) (Ortly)

Completed/Issued W/O Report

CORRECTIVES & MOODS

Pumping Stations

LOCATIONS:

Dindalk

ADDRESSES:
Dundalk
Eastern Ave

Mar. 31, 2015 → Jones Falls Locust Pt. McComas St.

—> Quad Avenue Westport

QUERY NAME WCOMPSSAL

LIBRARY NAME . . . MONTHLY TRIUMPH

III

WISCONSIN

1986

4515731

DCCTL

SIXTE

LIBRARY

MS810F

189107

MS810F

MS810F

1016810F

MEMBER

WISCONSIN

151000

WMS734

DCCTL

SIXTE

FORMAT

COILS/M5M

EQMSTR

151515M

DOCTLR

TEXTEL

DATE 04/07/15

TIME 11:04:53

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

Locations: BRKLYN DUNDAL EASTER as of 04/07/15													
Pumping Station													
JF LOCPO MCST QUAD WSTPT													
Co. No.	Area	W/O Loc. Number	Machine Number	Machine Description	W/O Sts	Full Problem	Req. By	Craft Code	WO Cmpl't Date	WO Issue Date	Sntdmn Class		
11	PUMPING ST BRKLYN	12.82746	955101	GENERATOR, EMERGENCY SET	30	4	stielper 64972	CS	ELCPS	20150302	20120402		
		14.82185	955101	GENERATOR, EMERGENCY SET	30	4	stielperc 64972	CS	ELCPS	20150318	20140304		
		15.80820	951000	FACILITY, BROOKLYN PUMPING	25	4	TANK TO MAKE WORKING ON UNIT EASIER. REQ. BY W. HOOKS 69701	WH	BLDG		20141006		
		15.81029	955301	FAN #1 EXHAUST (ON ROOF	25	4	REQ. BY J. NAROCK 6-9748	JCN	HA		20141124		
		15.81052	951000	FACILITY, BROOKLYN PUMPING	25	4	stielperc 64972	CS	MCHFB		20141229		
		15.81458	952301	PUMP, VACUUM #1	30	4	stielperc 64972	CS	MCHPS	20150113	20150113		
		15.81474	953201	MOTOR, BAR SCREEN	30	3D	stielperc 64972	CS	ELCPS	20150126	20150126		
		15.81627	950002	FLOW INDICATING REORDER/	30	4	stielperc 64972	CS	INSPS	20150205	20150205		
		15.81633	953201	MOTOR, BAR SCREEN	30	4	stielperc 64972	CS	ELCPS	20150211	20150209		
		15.81858	2	GENERATOR, EMERGENCY SET	30	2	SHUT OFF, MANUALLY SHUT DOWN. WOULDNT TRANSFER TO PURCHASE POE	CS	MCHPS	20150304	20150304		
		15.81858	1	GENERATOR, EMERGENCY SET	30	2	SHUT OFF, MANUALLY SHUT DOWN. WOULDNT TRANSFER TO PURCHASE POE	CS	ELCPS	20150318	20150304		
		15.81872	955101	GENERATOR, EMERGENCY SET	30	4	W. Johnson 6-4972	WJ	FM	20150312	20150312		
		15.81884	955101	GENERATOR, EMERGENCY SET	30	4	REQ. BY J. NAROCK 6-9748	JCN	ELCPS	20150327	20150325		
Location BRKLYN:													
COUNT 13													
	DUNDAL	15.80300	1	941202 MOTOR, SEWAGE PUMP #2	30	4	{water damage cabinet} 64972	CS	ELCPS	20150204	20140829		
		15.80603	2	941000 FACILITY, DUNDALK PUMPING	30	3D	vault stielperc 64972	CS	MCHPS	20150223	20140910		
		15.81020	941000	FACILITY, DUNDALK PUMPING	25	3D	stielperc 64972	CS	ELCPS		20141113		
		15.81023	2	948105 CONTROL, VFD #4 SEWAGE PUM	30	3D	auto operation } stielper c 64972	CS	INSPS	20150106	20141117		
		15.81046	941101	PUMP, SEWAGE #1	25	4	69738	WH	MCHFB		20141215		
		15.81050	1	941000 FACILITY, DUNDALK PUMPING	30	4	vault stielperc 64972	CS	ELCPS	20150112	20141229		
		15.81050	2	941000 FACILITY, DUNDALK PUMPING	30	4	vault stielperc 64972	CS	MCHPS	20150223	20141229		
		15.81058	941000	FACILITY, DUNDALK PUMPING	30	3D	Vault STIELPERC 64972	CS	ELCPS	20150112	20150105		
		15.81054	940029	BUBBLER/WET WELL	30	3D	operation stielperc 564972	CS	INSPS	20150105	20150105		
		15.81451	945606	LIGHT, EMERGENCY (PUMP RM)	30	4	REQ. BY J. NAROCK 6-9748	JCN	ELCPS	20150109	20150106		
		15.81453	941202	MOTOR, SEWAGE PUMP #2	30	3D	stielperc 64972	CS	ELCPS	20150108	20150107		
		15.81456	941102	PUMP, SEWAGE #2	30	3D	REQ BY C. STIELPER	CS	MCHPS	20150109	20150107		
		15.81460	946301	PUMP, SUMP #1	30	3D	stielperc 64972	CS	MCHPS	20150112	20150113		
		15.81461	944602	PUMP, VACUUM #2	30	3D	stielperc 64972	CS	MCHPS	20150113	20150113		
		15.81477	941101	PUMP, SEWAGE #1	30	2	{call in} stielperc 64972	CS	MCHPS	20150124	20150126		
		15.81646	941000	FACILITY, DUNDALK PUMPING	30	4	REQ. BY J. NAROCK 6-9748	JCN	ELCPS	20150227	20150223		
		15.81651	940031	UNIT, RADAR #2, BARSREEN	30	4	W. Johnson 6-5194	WJ	INSPS	20150302	20150302		
Location DUNDAL:													
COUNT 17													
	EASTER	14.82918	913102	SCREEN, BAR (SOUTH)	30	4	hooks	WH	FM	20150323	20140625		
		15.80828	911000	FACILITY, EASTERN AVENUE	25	4	stielper 64972	CS	BLDG		20141009		
		15.80851	916601	MOTOR CONTROL CENTER (MCC	25	4	REQ. BY J. NAROCK 6-9748	JCN	ELCPS		20141031		
		15.81017	911000	FACILITY, EASTERN AVENUE	25	3D	STIELPERC 64972	CS	BLDG		20141110		
		15.81022	911000	FACILITY, EASTERN AVENUE	25	3D	ALL OFFICES STIELPERC 64972	CS	BLDG		20141114		
		15.81030	911101	PUMP, SEWAGE #1	25	4	stielperc 64972	CS	MCHPS		20141125		
		15.81032	919026	PILOH, SNOW #1	25	4	stielperc 64972	CS	MCHPS		20141125		
		15.81033	911000	FACILITY, EASTERN AVENUE	25	3D	stielperc 64972	CS	BLDG		20141125		
		15.81044	911000	FACILITY, EASTERN AVENUE	25	4	{leaking} see Chris stielper 64972	CS	BLDG		20141212		
		15.81470	911000	FACILITY, EASTERN AVENUE	30	4	snow plow stielperc 64972	CS	MCHPS	20150121	20150121		

Pumping Station												
JF LOCPD MCST QUAD WSTPT												
Co. No.	Area	Loc. Number	W/O Number	Machine Number	Machine Description	W/O Sts	Full Problem Prty Description Code	Req. By	Craft Code	WO Complt Date	WO Issue Date	Shdn Class
11	PUMPING ST EASTER	15.81472		918820	SPREADER, SALT (TAILGATE)	30	3D channel on salt container stielperc 649762	CS	MCHFB	20150205	20150123	
		15.81640		915102	BOILER #2	30	3D stielperc 64972	CS	HA	20150220	20150219	
		15.81659		911103	PUMP, SEWAGE #3	30	4 W. JOHNSON 6-4972	WJ	MCHPS	20150309	20150305	
		15.81862		911101	PUMP, SEWAGE #1	30	4 RED BY W. JOHNSON 6-4972	WJ	MCHPS	20150310	20150309	
		15.81863		911000	FACILITY, EASTERN AVENUE	30	4 {2nd flr office} stielperc 64972	CS	MCHPS	20150312	20150310	
		15.81864		918801	ROTO-ROUTER 1"X100" (STORE	30	4 RED BY W. JOHNSON	WJ	MCHPS	20150313	20150310	
		15.81870		913102	SCREEN, BAR (SOUTH)	30	4 stielperc 64972	CS	MCHPS	20150310	20150310	
		15.81874		917301	CRANE, BRIDGE (15 TON) (PUMP	30	4 stielperc 64972	CS	ELCPs	20150318	20150317	
15.81882		913102	SCREEN, BAR (SOUTH)	30	4 RED BY W. HOOKS 69738	WH	PM	20150323	20150324			
Location EASTER: COUNT 19												
JF		15.80837		928002	VFD, #1 SEWAGE PUMP (CPX900	25	4 RED. BY J. HAROCK 6-9748	JCN	ELCPs		20141020	
		15.81040		920029	LOOP 023, STILLING WELL, #3	30	4 req by r barton jr	REJ	INSPS	20150310	20141205	
		15.81055	1	928137	MOTOR, ROLLING GARAGE DOOR	30	3D RED BY C. STIELPER	CS	ELCPs	20150105	20141230	
		15.81057		928004	VFD, #3 SEWAGE PUMP (CPX900	30	3D {SWAP WITH 1VFD} STIELPERC 64972	CS	INSPS	20150126	20150105	
		15.81457		921104	PUMP, SEWAGE #4	30	4 stielperc 64972	CS	MCHPS	20150109	20150113	
		15.81464	2	920005	CONTROLLER, PROGRAMMABLE	30	4 STIELPERC 64972	CS	INST	20150126	20150116	
		15.81464	1	920005	CONTROLLER, PROGRAMMABLE	30	4 STIELPERC 64972	CS	INSPS	20150123	20150116	
		15.81465	2	927904	UPS, SYSTEM (VFD ROOM)	30	3D STIELPERC 64972	CS	INST	20150126	20150116	
		15.81465	1	927904	UPS, SYSTEM (VFD ROOM)	30	3D STIELPERC 64972	CS	INSPS	20150319	20150116	
		15.81466		926301	GENERATOR, EMERGENCY SET	30	4 stielperc 64972	CS	ELCPs	20150120	20150116	
		15.81467		921000	FACILITY, JONES FALLS	30	4 stielperc 64972	CS	ELCPs	20150120	20150120	
		15.81478		920018	BUBBLER, (WETWELL)	30	3D stielperc 64972	CS	INSPS	20150127	20150126	
		15.81483		926301	GENERATOR, EMERGENCY SET	30	4 } stielperc 649762	CS	MCHPS	20150203	20150130	
		15.81487		921103	PUMP, SEWAGE #3	30	4 {volute} stielperc 64972	CS	MCHPS	20150203	20150203	
		15.81488		923107	VALVE, #3 SEWAGE PUMP SUCTI	30	3D stielperc 64972	CS	ELCPs	20150203	20150203	
		15.81648		923502	TANK, SEAL WATER (OPEN) #1	30	4 pressure stielperc 64972	CS	MCHPS	20150224	20150224	
Location JF: COUNT 16												
LOCPD		15.81480		985000	FACILITY, LOCUST POINT	30	4 RED BY W. HOOKS 69738	WH	MCHPS	20150126	20150127	
		15.81634		985000	FACILITY, LOCUST POINT	30	4 HOOKS 69738	WH	MCHPS	20150205	20150210	
Location LOCPD: COUNT 2												
QUAD		14.82916		935101	GENERATOR, EMERGENCY SET	30	3D stielperc 64972	CS	ELCPs	20150304	20140625	
		15.81043		930017	DETECTOR, BAR SCREEN GAS	25	4 RED BY R BARTON JR	REJ	INSPS		20141209	
		15.81060		931000	FACILITY, QUAD AVENUE	30	4 STIELPERC 64972	CS	INSPS	20150102	20150105	
Location QUAD: COUNT 3												
WSTPT		15.81468		971201	MOTOR, SEWAGE PUMP #1	30	3D stielperc 64972	CS	ELCPs	20150120	20150120	
		15.81469		971701	PREVENTER, BACKFLOW	30	4 stielperc 64972	CS	MCHPS	20150120	20150120	

Pumping Station Issued Mike/Chris W/O's Locations:
JAN. 01,'15 - MAR. 31,'15 ---> Brooklyn Dundalk Eastern Ave
** PM only ** ---> Jones Falls Locust Point McComas St.
---> Quad Avenue Westport

QUERY NAME WCOMPMSAL
LIBRARY NAME MONTHLYRUN

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

DATE 04/07/15
TIME 11:02:16

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

04/07/15 11:02:16

Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
PUMPING STATIONS - PM only

Mike/Chris Locations:
BRKLYN DUNDAL EASTER JF as of 11:02:16
**LOCPO MCST QUAD WSTPT ** on 04/07/15

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Co	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short problem
No	Center	WO	Suf	Sts			Date		Type	Code	Description
		Number									
11	PUMPING ST BRKLYN	15.81113		30	P	20150105	20150203	PM	INSPS	INSPS	INSPECTION
		15.81114		30	P	20150105	20150203	PM	INSPS	INSPS	INSPECTION
		15.81115		30	P	20150105	20150203	PM	INSPS	INSPS	INSPECTION
		15.81116		30	P	20150105	20150203	PM	INSPS	INSPS	INSPECTION
		15.81117		30	P	20150105	20150204	PM	INSPS	INSPS	CHECK COMPONENTS
		15.81118		30	P	20150105	20150204	PM	INSPS	INSPS	INSPECTION
		15.81119		30	P	20150105	20150204	PM	INSPS	INSPS	INSPECTION
		15.81120		30	P	20150105	20150204	PM	INSPS	INSPS	INSPECTION
		15.81121		30	P	20150105	20150205	PM	INSPS	INSPS	INSPECT AND CALIBRATE
		15.81122		30	P	20150105	20150205	PM	INSPS	INSPS	INSPECT AND CALIBRATE
		15.81123		30	P	20150105	20150205	PM	INSPS	INSPS	CLEAN AND INSPECT
		15.81124		30	P	20150105	20150205	PM	INSPS	INSPS	CLEAN AND INSPECT
		15.81267		25	P	20150105		PM	PM	PM	CHECK VARIOUS COMPONENTS
		15.81268		25	P	20150105		PM	PM	PM	CHECK VARIOUS COMPONENTS
		15.81269		25	P	20150105		PM	PM	PM	CHECK VARIOUS COMPONENTS
		15.81270		25	P	20150105		PM	PM	PM	INSPECT OPERATION AND LUBE
		15.81271		25	P	20150105		PM	PM	PM	INSPECT OPERATION AND LUBE
		15.81272		25	P	20150105		PM	PM	PM	INSPECT OPERATION AND LUBE
		15.81273		25	P	20150105		PM	PM	PM	INSPECT OPERATION AND LUBE
		15.81274		25	P	20150105		PM	PM	PM	CHECK VARIOUS COMPONENTS
		15.81275		25	P	20150105		PM	PM	PM	CHECK VARIOUS COMPONENTS
		15.81276		25	P	20150105		PM	PM	PM	INSPECTION
		15.81277		25	P	20150105		PM	PM	PM	INSPECT, CHECK VARIOUS COMPONENTS
		15.81278		25	P	20150105		PM	PM	PM	INSPECT, CHECK VARIOUS COMPONENTS
		15.81279		25	P	20150105		PM	PM	PM	LUBRICATION AND CHECKS
		15.81280		25	P	20150105		PM	PM	PM	CHECK UNIT (GEAR REDUCER)
		15.81281		25	P	20150105		PM	PM	PM	CLEAN AND LUBRICATE UNIT
		15.81282		25	P	20150105		PM	PM	PM	CLEAN AND LUBRICATE UNIT
		15.81283		25	P	20150105		PM	PM	PM	CLEAN AND LUBRICATE UNIT
		15.81284		25	P	20150105		PM	PM	PM	CLEAN AND LUBRICATE UNIT
		15.81285		25	P	20150105		PM	PM	PM	CLEAN AND LUBRICATE UNIT
		15.81286		25	P	20150105		PM	PM	PM	CLEAN AND LUBRICATE
		15.81287		25	P	20150105		PM	PM	PM	CLEAN AND LUBRICATE
		15.81288		25	P	20150105		PM	PM	PM	CLEAN AND LUBRICATE
		15.81289		25	P	20150105		PM	PM	PM	CLEAN AND LUBRICATE
		15.81290		25	P	20150105		PM	PM	PM	CLEAN AND LUBRICATE
		15.81291		25	P	20150105		PM	PM	PM	INSPECTION
		15.81292		25	P	20150105		PM	PM	PM	CHECK VARIOUS UNITS
		15.81293		25	P	20150105		PM	PM	PM	CHECK VARIOUS UNITS
		15.81294		25	P	20150105		PM	PM	PM	CHECK VARIOUS UNITS
		15.81295		25	P	20150105		PM	PM	PM	INSPECTION
		15.81296		25	P	20150105		PM	PM	PM	INSPECTION
		15.81297		25	P	20150105		PM	PM	PM	INSPECTION
		15.81298		30	P	20150105	20150312	PM	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE
		15.81299		25	P	20150105		PM	PM	PM	INSPECT NORMAL OPERATION
		15.81300		25	P	20150105		PM	PM	PM	INSPECT NORMAL OPERATION
		15.81301		25	P	20150105		PM	PM	PM	CHECK NORMAL OPERATION
		15.81302		25	P	20150105		PM	PM	PM	INSPECTION

Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	CMplt	Wrk	Craft	Short
No	Center	Loc	WO	Suf	Sts			Date		Date	Type	Code	problem
		Id	Number										Description
11	PUMPING ST BRKLYN	15.81350	15.81350	30	P	20150105	20150316	PM	MCHPS	INSPECTION			
		15.81357	15.81357	25	P	20150105	PM	BLDG	INSPECT/REPAIR/PLUMBING-ETC.				
		15.81415	15.81415	30	P	20150105	20150120	PM	ELCPS	INSPECT AND CLEAN.			
		15.81416	15.81416	30	P	20150105	20150122	PM	ELCPS	INSPECT AND CLEAN.			
		15.81417	15.81417	30	P	20150105	20150120	PM	ELCPS	INSPECT AND CLEAN.			
		15.81418	15.81418	30	P	20150105	20150120	PM	ELCPS	CLEAN, CHECK, LUBRICATE			
		15.81418	15.81418	30	P	20150105	20150120	PM	ELCPS	CLEAN, CHECK, LUBRICATE			
		15.81419	15.81419	30	P	20150105	20150120	PM	ELCPS	CLEAN, CHECK, LUBRICATE			
		15.81419	15.81419	30	P	20150105	20150120	PM	ELCPS	CLEAN, CHECK, LUBRICATE			
		15.81420	15.81420	30	P	20150105	20150120	PM	ELCPS	CLEAN, CHECK, LUBRICATE			
		15.81420	15.81420	30	P	20150105	20150120	PM	ELCPS	CLEAN, CHECK, LUBRICATE			
		15.81421	15.81421	30	P	20150105	20150124	PM	ELCPS	CLEAN, CHECK, LUBRICATE			
		15.81421	15.81421	30	P	20150105	20150124	PM	ELCPS	CLEAN, CHECK, LUBRICATE			
		15.81422	15.81422	30	P	20150105	20150122	PM	ELCPS	CLEAN, CHECK, LUBRICATE			
		15.81422	15.81422	30	P	20150105	20150122	PM	ELCPS	CLEAN, CHECK, LUBRICATE			
		15.81423	15.81423	30	P	20150105	20150120	PM	ELCPS	CLEAN & INSPECT			
		15.81424	15.81424	30	P	20150105	20150115	PM	ELCPS	CLEAN & INSPECT			
		15.81426	15.81426	30	P	20150105	20150115	PM	ELCPS	CLEAN & INSPECT			
		15.81427	15.81427	30	P	20150105	20150115	PM	ELCPS	CLEAN AND INSPECT			
		15.81427	15.81427	30	P	20150105	20150115	PM	ELCPS	CLEAN AND INSPECT			
		15.81428	15.81428	30	P	20150105	20150114	PM	ELCPS	CLEAN AND INSPECT			
		15.81428	15.81428	30	P	20150105	20150114	PM	ELCPS	CLEAN AND INSPECT			
		15.81429	15.81429	30	P	20150105	20150114	PM	ELCPS	TEST AND INSPECT			
		15.81430	15.81430	30	P	20150105	20150114	PM	ELCPS	TEST AND INSPECT			
		15.81431	15.81431	30	P	20150105	20150114	PM	ELCPS	TEST AND INSPECT			
		15.81432	15.81432	30	P	20150105	20150114	PM	ELCPS	TEST AND INSPECT			
		15.81433	15.81433	30	P	20150105	20150114	PM	ELCPS	TEST AND INSPECT			
		15.81525	15.81525	25	P	20150203	PM	PM	CHECK VARIOUS COMPONENTS				
		15.81526	15.81526	25	P	20150203	PM	PM	CHECK VARIOUS COMPONENTS				
		15.81579	15.81579	30	P	20150203	20150206	PM	ELCPS	INSPECT AND CLEAN.			
		15.81580	15.81580	30	P	20150203	20150219	PM	ELCPS	INSPECT AND CLEAN.			
		15.81607	15.81607	30	P	20150203	20150316	PM	INSPS	INSPECTION			
		15.81608	15.81608	30	P	20150203	20150316	PM	INSPS	INSPECTION			
		15.81609	15.81609	25	P	20150203	PM	INSPS	INSPECTION				
		15.81610	15.81610	25	P	20150203	PM	INSPS	INSPECTION				
		15.81611	15.81611	25	P	20150203	PM	INSPS	INSPECTION				
		15.81612	15.81612	25	P	20150203	PM	INSPS	CLEAN AND INSPECT				
		15.81613	15.81613	25	P	20150203	PM	INSPS	INSPECTION				
		15.81614	15.81614	30	P	20150203	20150317	PM	INSPS	INSPECTION			
		15.81615	15.81615	30	P	20150203	20150317	PM	INSPS	INSPECTION			
		15.81616	15.81616	25	P	20150203	PM	INSPS	INSPECTION				
		15.81617	15.81617	30	P	20150203	20150316	PM	INSPS	CLEAN AND INSPECT			
		15.81712	15.81712	25	P	20150303	PM	INSPS	INSPECTION				
		15.81713	15.81713	25	P	20150303	PM	INSPS	INSPECTION				
		15.81714	15.81714	25	P	20150303	PM	INSPS	INSPECTION				
		15.81715	15.81715	25	P	20150303	PM	INSPS	INSPECTION				
		15.81716	15.81716	25	P	20150303	PM	INSPS	INSPECTION				
		15.81717	15.81717	25	P	20150303	PM	INSPS	INSPECTION				

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Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
PUMPING STATIONS - PM only

Mike/Chris Locations:
BRKLYN DUNDAL EASTER JF as of 11:02:16
**LOCPO MCST QUAD WSTPT ** on 04/07/15

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Co	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short problem
No	Center	Loc	Id	Suf	Sts	WO	Date	WO	Type	Code	Description
		Number									
11	PUMPING ST BRKLYN	15.81718			25	P	20150303		PM	INSPS	INSPECTION
		15.81719			25	P	20150303		PM	INSPS	CHECK COMPONENTS
		15.81720			30	P	20150303	20150317	PM	INSPS	INSPECTION
		15.81721			30	P	20150303	20150317	PM	INSPS	INSPECTION
		15.81722			25	P	20150303		PM	INSPS	INSPECTION
		15.81723			25	P	20150303		PM	INSPS	CLEAN AND INSPECT
		15.81724			25	P	20150303		PM	INSPS	CLEAN AND INSPECT
		15.81764			30	P	20150303	20150313	PM	ELCPS	INSPECT AND CLEAN.
		15.81765			30	P	20150303	20150313	PM	ELCPS	INSPECT AND CLEAN.
		15.81766			30	P	20150303	20150313	PM	ELCPS	INSPECT AND CLEAN.
		15.81767			30	P	20150303	20150313	PM	ELCPS	INSPECT AND CLEAN.
		15.81768			30	P	20150303	20150312	PM	ELCPS	INSPECT AND CLEAN.
		15.81769			30	P	20150303	20150312	PM	ELCPS	INSPECT AND CLEAN.
		15.81770			30	P	20150303	20150312	PM	ELCPS	INSPECT AND CLEAN.
		15.81771			30	P	20150303	20150316	PM	ELCPS	CLEAN, CHECK, LUBRICATE
		15.81771			30	P	20150303	20150316	PM	ELCPS	CLEAN, CHECK, LUBRICATE
		15.81772			30	P	20150303	20150316	PM	ELCPS	CLEAN, CHECK, LUBRICATE
		15.81772			30	P	20150303	20150316	PM	ELCPS	CLEAN, CHECK, LUBRICATE
		15.81773			30	P	20150303	20150316	PM	ELCPS	CLEAN, CHECK, LUBRICATE
		15.81774			30	P	20150303	20150316	PM	ELCPS	CLEAN, CHECK, LUBRICATE
		15.81774			30	P	20150303	20150316	PM	ELCPS	CLEAN, CHECK, LUBRICATE
		15.81814			25	P	20150303		PM	PM	CHECK VARIOUS COMPONENTS
		15.81814			25	P	20150303		PM	PM	CHECK VARIOUS COMPONENTS
		15.81815			25	P	20150303		PM	PM	CHECK VARIOUS COMPONENTS
		15.81816			25	P	20150303		PM	PM	INSPECTION
Total W/O's for Location BRKLYN:											
COUNT 121											
DUNDAL 15.81100											
		15.81101			30	P	20150105	20150116	PM	INSPS	INSPECT AND CALIBRATE
		15.81102			30	P	20150105	20150116	PM	INSPS	INSPECTION
		15.81103			30	P	20150105	20150116	PM	INSPS	PURGE TRANSMITTER.
		15.81104			30	P	20150105	20150122	PM	INSPS	INSPECT AND CALIBRATE
		15.81105			30	P	20150105	20150122	PM	INSPS	CLEAN/INSPECT/CALIBRATE
		15.81106			30	P	20150105	20150122	PM	INSPS	INSPECT AND CALIBRATE
		15.81107			30	P	20150105	20150122	PM	INSPS	INSPECTION
		15.81108			30	P	20150105	20150122	PM	INSPS	INSPECTION
		15.81109			30	P	20150105	20150123	PM	INSPS	INSPECTION
		15.81110			30	P	20150105	20150123	PM	INSPS	INSPECTION
		15.81111			30	P	20150105	20150123	PM	INSPS	INSPECT AND CLEAN
		15.81228			25	P	20150105		PM	PM	INSPECT AND LUBRICATE
		15.81228			25	P	20150105		PM	PM	INSPECT AND LUBRICATE
		15.81229			25	P	20150105		PM	PM	INSPECT AND LUBRICATE
		15.81229			25	P	20150105		PM	PM	INSPECT AND LUBRICATE
		15.81230			25	P	20150105		PM	PM	INSPECT AND LUBRICATE
		15.81230			25	P	20150105		PM	PM	INSPECT AND LUBRICATE
		15.81231			25	P	20150105		PM	PM	INSPECT AND LUBRICATE

04/07/15 11:02:16

Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
PUMPING STATIONS - PM only

Mike/Chris Locations: WCOMPMSAL
 BRKLYN DUNDAL EASTER JF as of 11:02:16
 **LOCPO MCST QUAD WSTPT ** on 04/07/15

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PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
JAN. 01, 15 - MAR. 31, 15													**BRKLYN DUNDAL EASTER JF**																									
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15													as of 11:02:16												
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Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
PUMPING STATIONS - PM only

Mike/Chris Locations:
BRKLYN DUNDAL EASTER JF as of 11:02:16
**LOCPO MCST QUAD WSTPT ** on 04/07/15

PAGE 5

PUMPING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 04/07/15												as of 11:02:16											
Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short problem											
No	Center	Loc	WO	Suf	Sts			Date		Type	Code	Description											
		Id	Number																				
11	PUMPING ST DUNDAL	15.81398			30	P	20150105	20150129	PM	ELCPS	INSPECT AND LUBRICATE												
		15.81399			30	P	20150105	20150129	PM	ELCPS	INSPECT AND LUBRICATE												
		15.81400			30	P	20150105	20150129	PM	ELCPS	INSPECT AND LUBRICATE												
		15.81401			30	P	20150105	20150129	PM	ELCPS	INSPECT AND LUBRICATE												
		15.81402			30	P	20150105	20150206	PM	ELCPS	CHECK OPERATION/INSPECTION												
		15.81403			30	P	20150105	20150129	PM	ELCPS	TEST AND INSPECT												
		15.81404			30	P	20150105	20150129	PM	ELCPS	TEST AND INSPECT												
		15.81405			30	P	20150105	20150129	PM	ELCPS	TEST AND INSPECT												
		15.81406			30	P	20150105	20150206	PM	ELCPS	INSPECT AND LUBRICATE												
		15.81407			30	P	20150105	20150206	PM	ELCPS	INSPECT AND LUBRICATE												
		15.81408			30	P	20150105	20150225	PM	ELCPS	CLEAN AND INSPECT												
		15.81409			25	P	20150105		PM	ELCPS	INSPECT AND LUBRICATE												
		15.81410			30	P	20150105	20150205	PM	ELCPS	INSPECT AND LUBRICATE												
		15.81411			30	P	20150105	20150205	PM	ELCPS	INSPECT AND LUBRICATE												
		15.81412			30	P	20150105	20150205	PM	ELCPS	INSPECT AND LUBRICATE												
		15.81557			30	P	20150203	20150206	PM	ELCPS	CLEAN/INSPECT/CALIBRT.MERCROID SWITCHES.												
		15.81558			30	P	20150203	20150206	PM	ELCPS	CLEAN/INSPECT/CALIBRT.												
		15.81559			25	P	20150203	20150206	PM	ELCPS	CLEAN/INSPECT/CALIBRT.												
		15.81560			30	P	20150203	20150206	PM	ELCPS	CHECK FLOAT SWITCH & LUBE MECHANICAL.												
		15.81561			30	P	20150203	20150227	PM	ELCPS	CLEAN AND INSPECT												
		15.81562			30	P	20150203	20150227	PM	ELCPS	CLEAN AND INSPECT												
		15.81563			30	P	20150203	20150227	PM	ELCPS	CLEAN AND INSPECT												
		15.81564			30	P	20150203	20150227	PM	ELCPS	CLEAN AND INSPECT												
		15.81565			30	P	20150203	20150225	PM	ELCPS	CLEAN AND INSPECT												
		15.81566			30	P	20150203	20150225	PM	ELCPS	CLEAN AND INSPECT												
		15.81567			25	P	20150203		PM	ELCPS	ANNUAL INSPECTION AND CLEANING												
		15.81569			30	P	20150203	20150225	PM	ELCPS	ANNUAL INSPECTION												
		15.81570			30	P	20150203	20150226	PM	ELCPS	ANNUAL INSPECTION												
		15.81571			30	P	20150203	20150226	PM	ELCPS	ANNUAL INSPECTION												
		15.81572			30	P	20150203	20150226	PM	ELCPS	ANNUAL INSPECTION												
		15.81573			30	P	20150203	20150220	PM	ELCPS	ANNUAL PANEL INSPECT.												
		15.81573			30	P	20150203	20150220	PM	ELCPS	ANNUAL PANEL INSPECT.												
		15.81574			30	P	20150203	20150220	PM	ELCPS	CLEAN, INSPECT CONTROL												
		15.81575			30	P	20150203	20150220	PM	ELCPS	CLEAN, INSPECT CONTROL												
		15.81576			30	P	20150203	20150227	PM	ELCPS	CLEAN AND INSPECT												
		15.81576			30	P	20150203	20150227	PM	ELCPS	CLEAN AND INSPECT												
		15.81577			30	P	20150203	20150225	PM	ELCPS	CLEAN AND INSPECT												
		15.81577			30	P	20150203	20150225	PM	ELCPS	CLEAN AND INSPECT												
		15.81600			25	P	20150203		PM	INSPS	INSPECT AND CALIBRATE												
		15.81601			25	P	20150203		PM	INSPS	INSPECTION												
		15.81602			25	P	20150203		PM	INSPS	PURGE TRANSMITTER.												
		15.81603			25	P	20150203		PM	INSPS	INSPECT AND CALIBRATE												
		15.81604			25	P	20150203		PM	INSPS	INSPECTION												
		15.81605			25	P	20150203		PM	INSPS	INSPECTION												
		15.81606			25	P	20150203		PM	INSPS	INSPECT AND CLEAN												
		15.81696			25	P	20150303		PM	INSPS	INSPECT AND CALIBRATE												
		15.81697			25	P	20150303		PM	INSPS	INSPECTION												
		15.81698			25	P	20150303		PM	INSPS	INSPECTION												

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Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
PUMPING STATIONS - PM only

Mike/Chris Locations:
BRKLYN DUNDAL EASTER JF as of 11:02:16
**LOCPO MCST QUAD WSTPT ** on 04/07/15

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Co	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short problem
No	Center	Loc	Id	Suf	Sts	WO	Date	WO	Type	Code	Description
1	2	3	4	5	6	7	8	9	10	11	12
11	PUMPING ST DUNDAL	15.81699		25	P	20150303		PM	INSPS	INSPECTION	
		15.81700		25	P	20150303		PM	INSPS	INSPECTION	
		15.81701		25	P	20150303		PM	INSPS	PURGE TRANSMITTER.	
		15.81702		25	P	20150303		PM	INSPS	INSPECT AND CALIBRATE	
		15.81703		25	P	20150303		PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81704		25	P	20150303		PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81705		25	P	20150303		PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81706		25	P	20150303		PM	INSPS	INSPECTION	
		15.81707		25	P	20150303		PM	INSPS	INSPECTION	
		15.81708		25	P	20150303		PM	INSPS	INSPECTION	
		15.81709		25	P	20150303		PM	INSPS	INSPECTION	
		15.81710		25	P	20150303		PM	INSPS	ANNUAL INSPECTION AND CLEANING	
		15.81711		25	P	20150303		PM	INSPS	INSPECT AND CLEAN	
		15.81754		30	P	20150303	20150309	PM	ELCPS	INSPECTION, (CONTROLS).	
		15.81755		30	P	20150303	20150311	PM	ELCPS	CHECK FLOAT SWITCH & LUBE MECHANICAL.	
		15.81756		30	P	20150303	20150311	PM	ELCPS	CLEAN AND INSPECT	
		15.81757		30	P	20150303	20150311	PM	ELCPS	CLEAN AND INSPECT	
		15.81758		30	P	20150303	20150309	PM	ELCPS	CLEAN & INSPECT MOTOR (FIELD)	
		15.81759		30	P	20150303	20150309	PM	ELCPS	ANNUAL INSPECTION AND CLEANING	
		15.81760		25	P	20150303		PM	ELCPS	ANNUAL INSPECTION AND CLEANING	
		15.81761		25	P	20150303		PM	ELCPS	ANNUAL INSPECTION AND CLEANING	
		15.81762		30	P	20150303	20150309	PM	ELCPS	CLEAN, INSPECT CONTROL	
		15.81763		30	P	20150303	20150311	PM	ELCPS	INSPECT CONTROL	
		15.81809		25	P	20150303		PM	PM	OIL CHANGE	
		15.81810		25	P	20150303		PM	PM	INSPECT	
		15.81811		25	P	20150303		PM	PM	INSPECT TANK	
		15.81812		25	P	20150303		PM	PM	QUARTERLY INSPECTION AND LUBRICATION	
		15.81812		25	P	20150303		PM	PM	QUARTERLY INSPECTION AND LUBRICATION	
		15.81813		25	P	20150303		PM	PM	INSPECTION	
Total W/O's for Location DUNDAL:											
COUNT 144											
EASTER											
		15.81065		30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81066		30	P	20150105	20150114	PM	INSPS	INSPECT/CLEAN/CALIBRATE	
		15.81067		30	P	20150105	20150114	PM	INSPS	INSPECT/CLEAN/CALIBRATE	
		15.81068		30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81069		30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81070		30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81071		30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81072		30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81073		30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81074		30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81075		30	P	20150105	20150114	PM	INSPS	INSPECTION	
		15.81076		30	P	20150105	20150114	PM	INSPS	INSPECTION	
		15.81077		30	P	20150105	20150114	PM	INSPS	CLEAN AND INSPECT	
		15.81078		30	P	20150105	20150114	PM	INSPS	INSPECT AND CALIBRATE	
		15.81147		25	P	20150105		PM	HA	INSPECT & CLEAN FILTERS (MUSEUM)	

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Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
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Mike/Chris Locations:
BRKLYN DUNDAL EASTER JF as of 11:02:16
**LOCPO MCST QUAD WSTPT ** on 04/07/15

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PUMPING STATIONS - PM only													**BRKLYN DUNDAL EASTER JF** as of 11:02:16												
PUMPING STATIONS - PM only													**LOCPO MCST QUAD WSTPT ** on 04/07/15												
Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short problem													
No	Center	Loc	WO	Suf	Sts			Date		Typ	Code	Description													
		Id	Number																						
11	PUMPING ST EASTER	15.81152	25	P	20150105	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO																	
		15.81153	25	P	20150105	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO																	
		15.81154	25	P	20150105	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO																	
		15.81155	25	P	20150105	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO																	
		15.81156	25	P	20150105	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO																	
		15.81157	25	P	20150105	PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATIO																	
		15.81158	25	P	20150105	PM	PM	INSPECT AND LUBE																	
		15.81159	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81160	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81161	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81162	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81163	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81164	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81165	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81166	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81167	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81168	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81169	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81170	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81172	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81173	25	P	20150105	PM	PM	INSPECT AND LUBRICATE.																	
		15.81174	25	P	20150105	PM	PM	CHECK VARIOUS COMPONENTS																	
		15.81175	25	P	20150105	PM	PM	CHECK VARIOUS COMPONENTS																	
		15.81176	30	P	20150105	PM	ELCPS	CHECK VARIOUS COMPONENTS																	
		15.81176	30	P	20150105	PM	20150330	CHECK VARIOUS COMPONENTS																	
		15.81177	25	P	20150105	PM	20150330	CHECK VARIOUS COMPONENTS																	
		15.81178	25	P	20150105	PM	PM	CHECK VARIOUS COMPONENTS																	
		15.81179	25	P	20150105	PM	PM	CHECK VARIOUS COMPONENTS																	
		15.81180	25	P	20150105	PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS																	
		15.81181	25	P	20150105	PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS																	
		15.81182	25	P	20150105	PM	PM	INSPECT AND CHECK VARIOUS COMPONENTS																	
		15.81183	25	P	20150105	PM	PM	LUBRICATION AND CHECKS																	
		15.81184	30	P	20150105	PM	20150323	CHECK UNIT AND CLEAN (GEAR REDUCER)																	
		15.81185	25	P	20150105	PM	PM	CHECK UNIT AND CLEAN (GEAR REDUCER)																	
		15.81186	25	P	20150105	PM	PM	LUBRICATION AND CHECKS																	
		15.81187	25	P	20150105	PM	PM	CHECK GATE AND LUBRICATE																	
		15.81188	25	P	20150105	PM	PM	CHECK GATE AND LUBRICATE																	
		15.81189	25	P	20150105	PM	PM	CHECK GATE AND LUBRICATE																	
		15.81190	25	P	20150105	PM	PM	CHECK GATE AND LUBRICATE																	
		15.81191	25	P	20150105	PM	PM	CLEAN AND LUBRICATE																	
		15.81192	25	P	20150105	PM	PM	CLEAN AND LUBRICATE																	
		15.81193	25	P	20150105	PM	PM	CLEAN AND LUBRICATE																	
		15.81194	25	P	20150105	PM	PM	CLEAN AND LUBRICATE																	
		15.81195	25	P	20150105	PM	PM	CHECK VARIOUS UNITS																	
		15.81196	25	P	20150105	PM	PM	CHECK VARIOUS UNITS																	
		15.81197	25	P	20150105	PM	PM	CHECK VARIOUS UNITS																	
		15.81198	25	P	20150105	PM	PM	INSPECTION																	
		15.81199	25	P	20150105	PM	PM	INSPECTION																	

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Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
PUMPING STATIONS - PM only

Mike/Chris Locations: WOCMPMSAL
 ***BRKLYN DUNDAL EASTER JF** as of 11:02:16
 ***LOCPO MCST QUAD WSTPT ** on 04/07/15

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PUMPING STATIONS - PM only **LOCPO MCSI QUAD WSPT ** on 04/07/15												
Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wk	Craft	Short problem
No	Center	Loc	WO	Suf	Sts			Date		Type	Code	Description
5		Id	Number									
11	PUMPING ST EASTER	15.81200	15.81200		25	P	20150105			PM	PM	CHANGE OIL AND FILTER.
		15.81201	15.81201		25	P	20150105			PM	PM	CHANGE OIL AND FILTER.
		15.81202	15.81202		25	P	20150105			PM	PM	CHANGE OIL AND FILTER.
		15.81203	15.81203		25	P	20150105			PM	PM	INSPECT NORMAL OPERATION
		15.81204	15.81204		25	P	20150105			PM	PM	INSPECT NORMAL OPERATION
		15.81205	15.81205		25	P	20150105			PM	PM	INSPECT NORMAL OPERATION
		15.81206	15.81206		25	P	20150105			PM	PM	INSPECT NORMAL OPERATION
		15.81207	15.81207		25	P	20150105			PM	PM	INSPECT NORMAL OPERATION
		15.81208	15.81208		25	P	20150105			PM	PM	INSPECT VARIOUS COMPONENTS
		15.81209	15.81209		25	P	20150105			PM	PM	INSPECT VARIOUS COMPONENTS
		15.81210	15.81210		25	P	20150105			PM	PM	INSPECT VARIOUS COMPONENTS
		15.81334	15.81334		25	P	20150105			PM	MCHPS	INSPECTION
		15.81335	15.81335		25	P	20150105			PM	MCHPS	INSPECTION
		15.81340	15.81340		30	P	20150105	20150323		PM	MCHPS	INSPECTION
		15.81341	15.81341		30	P	20150105	20150319		PM	MCHPS	CLEAN VACUUM LINES #1 THRU #6 PUMPS
		15.81342	15.81342		30	P	20150105	20150311		PM	MCHPS	INSPECTION
		15.81343	15.81343		30	P	20150105	20150318		PM	MCHPS	INSPECTION
		15.81344	15.81344		30	P	20150105	20150319		PM	MCHPS	INSPECTION
		15.81345	15.81345		30	P	20150105	20150316		PM	MCHPS	INSPECTION
		15.81354	15.81354		25	P	20150105			PM	BLDG	EXTERMINATE LOCKER RM. LOWER LEVEL.
		15.81355	15.81355		25	P	20150105			PM	BLDG	INSPECT AND REPAIR
		15.81356	15.81356		25	P	20150105			PM	BLDG	COMPUTER PAPER PICK-UP
		15.81361	15.81361		30	P	20150105	20150305		PM	ELCPS	CLEAN AND INSPECT
		15.81362	15.81362		30	P	20150105	20150226		PM	ELCPS	INSPECT AND LUBRICATE
		15.81363	15.81363		30	P	20150105	20150226		PM	ELCPS	INSPECT AND LUBRICATE
		15.81364	15.81364		30	P	20150105	20150219		PM	ELCPS	INSPECT AND LUBRICATE
		15.81365	15.81365		30	P	20150105	20150217		PM	ELCPS	INSPECT AND LUBRICATE
		15.81366	15.81366		30	P	20150105	20150226		PM	ELCPS	INSPECT AND LUBRICATE
		15.81367	15.81367		30	P	20150105	20150217		PM	ELCPS	INSPECT AND LUBRICATE
		15.81368	15.81368		30	P	20150105	20150217		PM	ELCPS	INSPECT AND LUBRICATE
		15.81369	15.81369		30	P	20150105	20150217		PM	ELCPS	INSPECT AND LUBRICATE
		15.81370	15.81370		30	P	20150105	20150217		PM	ELCPS	INSPECT AND LUBRICATE
		15.81371	15.81371		30	P	20150105	20150305		PM	ELCPS	CHECK VARIOUS UNITS
		15.81372	15.81372		30	P	20150105	20150305		PM	ELCPS	CHECK VARIOUS UNITS
		15.81373	15.81373		30	P	20150105	20150217		PM	ELCPS	INSPECT AND LUBRICATE OVERHEAD HOIST
		15.81374	15.81374		30	P	20150105	20150217		PM	ELCPS	INSPECT AND LUBRICATE SCREEN RM TROLLEY
		15.81375	15.81375		30	P	20150105	20150217		PM	ELCPS	INSPECT AND LUBRICATE SCREEN RM TROLLEY
		15.81376	15.81376		30	P	20150105	20150217		PM	ELCPS	INSPECT AND LUBRICATE
		15.81377	15.81377		30	P	20150105	20150305		PM	ELCPS	CLEAN AND INSPECT
		15.81493	15.81493		25	P	20150203			PM	PM	INSPECT AND LUBRICATE.
		15.81494	15.81494		25	P	20150203			PM	PM	INSPECT AND LUBRICATE.
		15.81495	15.81495		25	P	20150203			PM	PM	INSPECT AND LUBRICATE.
		15.81496	15.81496		25	P	20150203			PM	PM	INSPECT AND LUBRICATE.
		15.81497	15.81497		25	P	20150203			PM	PM	INSPECT AND LUBRICATE.
		15.81498	15.81498		25	P	20150203			PM	PM	INSPECT AND LUBRICATE.
		15.81499	15.81499		25	P	20150203			PM	PM	INSPECT AND LUBRICATE.
		15.81500	15.81500		25	P	20150203			PM	PM	INSPECT AND LUBRICATE.
		15.81501	15.81501		25	P	20150203			PM	PM	INSPECT AND LUBRICATE.

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Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
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Mike/Chris Locations:
BRKLYN DUNDAL EASTER JF as of 11:02:16
**LOCPO MCST QUAD WSTPT ** on 04/07/15

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FORMING STATIONS - PM only **LOCPO MCST QUAD WSTPT ** on 04/07/15													
Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	WO	Wrk	Craft	Short problem
No	Center	Loc	WO	Suf	Sts			Date		Complt	Type	Code	Description
		Id	Number							Date			
11	PUMPING ST EASTER	15.81502	15.81502	25	P	20150203	PM	PM	INSPECT AND LUBRICATE.				
		15.81503	15.81503	25	P	20150203	PM	PM	INSPECT AND LUBRICATE.				
		15.81505	15.81505	25	P	20150203	PM	PM	INSPECT AND LUBRICATE.				
		15.81506	15.81506	25	P	20150203	PM	PM	INSPECT AND LUBRICATE.				
		15.81507	15.81507	25	P	20150203	PM	PM	OIL CHANGE				
		15.81508	15.81508	25	P	20150203	PM	PM	INSPECT AND LUBE				
		15.81509	15.81509	25	P	20150203	PM	PM	INSPECTION				
		15.81510	15.81510	25	P	20150203	PM	PM	INSPECTION				
		15.81511	15.81511	25	P	20150203	PM	PM	INSPECTION				
		15.81512	15.81512	25	P	20150203	PM	PM	LUBRICATE				
		15.81513	15.81513	25	P	20150203	PM	PM	LUBRICATE				
		15.81537	15.81537	25	P	20150203	PM	PM	INSPECT AND LUBRICATE				
		15.81539	15.81539	25	P	20150203	PM	PM	INSPECT AND LUBRICATE				
		15.81540	15.81540	25	P	20150203	PM	PM	INSPECT AND LUBRICATE				
		15.81541	15.81541	30	P	20150203	PM	MCHPS	INSPECTION				
		15.81542	15.81542	25	P	20150203	PM	HA	INSPECT VARIOUS UNITS				
		15.81543	15.81543	30	P	20150203	PM	ELCPS	INSPECT AND LUBRICATE				
		15.81590	15.81590	30	P	20150203	PM	INSPS	INSPECT/CLEAN/CALIBRT				
		15.81591	15.81591	30	P	20150203	PM	INSPS	INSPECTION				
		15.81592	15.81592	30	P	20150203	PM	INSPS	INSPECTION				
		15.81625	15.81625	25	P	20150203	PM	BLDG	EXTERMINATE LOCKER RM.LOWER LEVEL.				
		15.81626	15.81626	25	P	20150203	PM	BLDG	COMPUTER PAPER PICK-UP				
		15.81655	15.81655	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81656	15.81656	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81657	15.81657	25	P	20150303	PM	INSPS	INSPECT/CLEAN/CALIBRATE				
		15.81658	15.81658	25	P	20150303	PM	INSPS	INSPECT/CLEAN/CALIBRATE				
		15.81659	15.81659	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81660	15.81660	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81661	15.81661	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81662	15.81662	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81663	15.81663	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81664	15.81664	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81665	15.81665	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81666	15.81666	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81667	15.81667	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81668	15.81668	25	P	20150303	PM	INSPS	CLEAN/INSPECT/CALIBRATE				
		15.81669	15.81669	25	P	20150303	PM	BLDG	EXTERMINATE LOCKER RM.LOWER LEVEL.				
		15.81670	15.81670	25	P	20150303	PM	INSPS	INSPECT PRESSURE DEVICES				
		15.81671	15.81671	25	P	20150303	PM	INSPS	INSPECTION				
		15.81672	15.81672	25	P	20150303	PM	INSPS	INSPECTION				
		15.81673	15.81673	25	P	20150303	PM	INSPS	CLEAN AND INSPECT				
		15.81674	15.81674	25	P	20150303	PM	BLDG	COMPUTER PAPER PICK-UP				
		15.81746	15.81746	30	P	20150303	PM	ELCPS	INSPECT AND LUBRICATE				
		15.81789	15.81789	25	P	20150303	PM	PM	INSPECT AND LUBRICATE.				
		15.81790	15.81790	25	P	20150303	PM	PM	INSPECT AND LUBRICATE.				
		15.81791	15.81791	25	P	20150303	PM	PM	INSPECT AND LUBRICATE.				
		15.81792	15.81792	25	P	20150303	PM	PM	INSPECT AND LUBRICATE.				
		15.81793	15.81793	25	P	20150303	PM	PM	INSPECT AND LUBRICATE.				

Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	WO	Wrk	Craft	Short
No	Center	Loc	WO	Suf	Sts			Date			Type	Code	Description
		Id	Number										
11	PUMPING ST EASTER	15.81794	15.81794	25	P	20150303	PM	PM	PM	PM	PM	PM	INSPECT AND LUBRICATE.
		15.81795	15.81795	25	P	20150303	PM	PM	PM	PM	PM	PM	INSPECT AND LUBRICATE.
		15.81796	15.81796	25	P	20150303	PM	PM	PM	PM	PM	PM	INSPECT AND LUBRICATE.
		15.81797	15.81797	25	P	20150303	PM	PM	PM	PM	PM	PM	INSPECT AND LUBRICATE.
		15.81798	15.81798	25	P	20150303	PM	PM	PM	PM	PM	PM	INSPECT AND LUBRICATE.
		15.81799	15.81799	25	P	20150303	PM	PM	PM	PM	PM	PM	INSPECT AND LUBRICATE.
		15.81801	15.81801	25	P	20150303	PM	PM	PM	PM	PM	PM	INSPECT AND LUBRICATE.
		15.81802	15.81802	25	P	20150303	PM	PM	PM	PM	PM	PM	INSPECT AND LUBRICATE.
		15.81803	15.81803	25	P	20150303	PM	PM	PM	PM	PM	PM	LUBRICATION
		15.81804	15.81804	25	P	20150303	PM	PM	PM	PM	PM	PM	LUBRICATION
		15.81805	15.81805	25	P	20150303	PM	PM	PM	PM	PM	PM	LUBRICATION
		15.81806	15.81806	25	P	20150303	PM	PM	PM	PM	PM	PM	CHANGE OIL AND FILTER.
		15.81807	15.81807	25	P	20150303	PM	PM	PM	PM	PM	PM	CHANGE OIL AND FILTER.
Total W/O's for Location EASTER:													
COUNT 172													
JF	15.81079	30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE					
	15.81080	30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE					
	15.81081	30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE					
	15.81082	30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE					
	15.81083	30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE					
	15.81084	30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE					
	15.81085	30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE					
	15.81086	30	P	20150105	20150114	PM	INSPS	INSPECTION					
	15.81087	30	P	20150105	20150114	PM	INSPS	CLEAN/INSPECT/CALIBRATE					
	15.81088	30	P	20150105	20150114	PM	INSPS	INSPECTION					
	15.81089	30	P	20150105	20150114	PM	INSPS	INSPECT AND CALIBRATE					
	15.81090	30	P	20150105	20150114	PM	INSPS	INSPECT AND CALIBRATE					
	15.81091	30	P	20150105	20150114	PM	INSPS	INSPECT AND CALIBRATE					
	15.81092	30	P	20150105	20150114	PM	INSPS	CLEAN AND INSPECT					
	15.81211	25	P	20150105		PM	PM	INSPECTION.					
	15.81212	25	P	20150105		PM	PM	CHANGE OIL (REDUCER)					
	15.81213	25	P	20150105		PM	PM	CHANGE OIL (REDUCER)					
	15.81214	25	P	20150105		PM	PM	CLEAN, LUBRICATE					
	15.81215	25	P	20150105		PM	PM	INSPECT AND LUBRICATE CRANE					
	15.81216	25	P	20150105		PM	PM	INSPECT AND LUBE CRANE					
	15.81217	25	P	20150105		PM	PM	MONTHLY CHECKS					
	15.81218	25	P	20150105		PM	PM	INSPECTION					
	15.81219	25	P	20150105		PM	PM	INSPECTION					
	15.81220	25	P	20150105		PM	PM	INSPECTION					
	15.81221	25	P	20150105		PM	PM	INSPECTION					
	15.81346	25	P	20150105		PM	MCHPS	INSPECTION					
	15.81378	30	P	20150105	20150129	PM	ELCPS	INSPECT AND LUBRICATE					
	15.81379	30	P	20150105	20150129	PM	ELCPS	INSPECT AND CLEAN					
	15.81380	30	P	20150105	20150129	PM	ELCPS	INSPECT AND CLEAN					
	15.81381	30	P	20150105	20150129	PM	ELCPS	INSPECT AND CLEAN					
	15.81382	30	P	20150105	20150126	PM	ELCPS	CLEAN & INSPECT					

Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wkst	Craft	Short problem
No	Center	Loc	WO	Suf	Sts			Date		Type	Code	Description
		Id	Number									
11	PUMPING ST JF		15.81514	25	P	20150203	PM	PM	PM	PM	PM	CLEAN AND LUBRICATE
			15.81515	25	P	20150203	PM	PM	PM	PM	PM	CLEAN AND LUBRICATE
			15.81516	25	P	20150203	PM	PM	PM	PM	PM	CLEAN AND LUBRICATE
			15.81517	25	P	20150203	PM	PM	PM	PM	PM	INSPECT AND LUBRICATE PUMP
			15.81518	25	P	20150203	PM	PM	PM	PM	PM	INSPECT AND LUBRICATE PUMP
			15.81519	25	P	20150203	PM	PM	PM	PM	PM	LUBRICATION AND CHECKS
			15.81520	25	P	20150203	PM	PM	PM	PM	PM	LUBRICATION AND CHECKS
			15.81521	25	P	20150203	PM	PM	PM	PM	PM	CHECK OPERATION
			15.81522	25	P	20150203	PM	PM	PM	PM	PM	INSPECTION
			15.81544	30	P	20150203	PM	ELCPS	20150223	PM	ELCPS	CHECK, BATTERIES & LIGHT
			15.81544	30	P	20150203	PM	ELEC	20150223	PM	ELEC	CHECK, BATTERIES & LIGHT
			15.81545	30	P	20150203	PM	ELCPS	20150211	PM	ELCPS	INSPECT AND LUBRICATE
			15.81546	30	P	20150203	PM	ELCPS	20150211	PM	ELCPS	INSPECT AND LUBRICATE
			15.81547	30	P	20150203	PM	ELCPS	20150211	PM	ELCPS	INSPECT AND LUBRICATE
			15.81548	30	P	20150203	PM	ELCPS	20150209	PM	ELCPS	INSPECT AND LUBRICATE
			15.81549	30	P	20150203	PM	ELCPS	20150209	PM	ELCPS	INSPECT AND LUBRICATE
			15.81550	30	P	20150203	PM	ELCPS	20150209	PM	ELCPS	INSPECT AND LUBRICATE
			15.81551	30	P	20150203	PM	ELCPS	20150209	PM	ELCPS	INSPECT AND LUBRICATE.
			15.81551	30	P	20150203	PM	PM	20150209	PM	PM	INSPECT AND LUBRICATE.
			15.81552	30	P	20150203	PM	ELCPS	20150213	PM	ELCPS	CHECK VARIOUS UNITS
			15.81553	30	P	20150203	PM	ELCPS	20150213	PM	ELCPS	CHECK VARIOUS UNITS
			15.81554	30	P	20150203	PM	ELCPS	20150213	PM	ELCPS	CHECK VARIOUS UNITS
			15.81555	30	P	20150203	PM	ELCPS	20150209	PM	ELCPS	INSPECT & LUBRICATE
			15.81555	30	P	20150203	PM	ELEC	20150209	PM	ELEC	INSPECT & LUBRICATE
			15.81593	30	P	20150203	PM	INSPS	20150311	PM	INSPS	CLEAN AND INSPECT
			15.81594	30	P	20150203	PM	INSPS	20150311	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			15.81675	30	P	20150303	PM	INSPS	20150311	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			15.81676	30	P	20150303	PM	INSPS	20150311	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			15.81677	30	P	20150303	PM	INSPS	20150312	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			15.81678	30	P	20150303	PM	INSPS	20150312	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			15.81679	30	P	20150303	PM	INSPS	20150313	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			15.81680	30	P	20150303	PM	INSPS	20150309	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			15.81681	30	P	20150303	PM	INSPS	20150309	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			15.81682	30	P	20150303	PM	INSPS	20150309	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			15.81683	30	P	20150303	PM	INSPS	20150313	PM	INSPS	INSPECTION
			15.81684	30	P	20150303	PM	INSPS	20150313	PM	INSPS	CLEAN/INSPECT/CALIBRATE
			15.81685	30	P	20150303	PM	INSPS	20150313	PM	INSPS	INSPECTION
			15.81686	30	P	20150303	PM	INSPS	20150313	PM	INSPS	CLEAN AND INSPECT
			15.81747	30	P	20150303	PM	ELCPS	20150318	PM	ELCPS	CHECK VARIOUS UNITS
			15.81748	30	P	20150303	PM	ELCPS	20150318	PM	ELCPS	CHECK VARIOUS UNITS
			15.81749	30	P	20150303	PM	ELCPS	20150318	PM	ELCPS	CHECK VARIOUS UNITS
			15.81750	25	P	20150303	PM	ELCPS		PM	ELCPS	INSPECT AND CLEAN
			15.81751	25	P	20150303	PM	ELCPS		PM	ELCPS	INSPECT AND CLEAN
			15.81752	25	P	20150303	PM	ELCPS		PM	ELCPS	INSPECT AND CLEAN

Total W/O's for Location JF:
COUNT 75

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Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
PUMPING STATIONS - PM only

Mike/Chris Locations: WOCMPMSAL
 BRKLYN DUNDAL EASTER JF as of 11:02:16
 **LOCPO MCST QUAD WSTPT ** on 04/07/15

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PUMPING STATIONS - PM only **LOCPO MCST QUAD WSPT ** on 04/07/15													
Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	WO	Wrk	Craft	Short problem
No	Center	Loc	WO	Suf	Sts			Date			Type	Code	Description
		Id	Number										
11	PUMPING ST	LOCPO	15.81134		30	P	20150105	20150130	PM	INSPS			CLEAN/INSPECT/CALIBRATE
			15.81135		30	P	20150105	20150130	PM	INSPS			CLEAN/INSPECT/CALIBRATE
			15.81136		30	P	20150105	20150130	PM	INSPS			CLEAN/INSPECT/CALIBRATE
			15.81139		30	P	20150105	20150130	PM	INSPS			INSPECTION
			15.81140		30	P	20150105	20150130	PM	INSPS			INSPECTION
			15.81141		30	P	20150105	20150130	PM	INSPS			INSPECT AND CLEAN
			15.81444		30	P	20150105	20150112	PM	ELCPS			CLEAN AND LUBRICATE
			15.81445		30	P	20150105	20150114	PM	ELCPS			CHECK OPERATING CONDITIONS, BATTERY CHE
			15.81446		30	P	20150105	20150112	PM	ELCPS			CHECK OPERATING CONDITIONS, BATTERY CHE
			15.81447		30	P	20150105	20150112	PM	ELCPS			CHECK OPERATING CONDITIONS, BATTERY CHE
			15.81528		25	P	20150203		PM	PM			CLEAN FILTER, INSPECT
			15.81529		25	P	20150203		PM	PM			CHECK OPERATION
			15.81530		25	P	20150203		PM	PM			TESTING AND LUBRICATION
			15.81531		25	P	20150203		PM	PM			TESTING AND LUBRICATION
			15.81532		25	P	20150203		PM	PM			TESTING AND LUBRICATION
			15.81533		25	P	20150203	20150225	PM	PM			TESTING AND LUBRICATION
			15.81534		25	P	20150203		PM	PM			TESTING AND LUBRICATION
			15.81535		25	P	20150203		PM	PM			INSPECT AND LUBRICATE
			15.81536		25	P	20150203		PM	PM			INSPECT AND LUBRICATE
			15.81733		30	P	20150303	20150313	PM	INSPS			CLEAN/INSPECT/CALIBRATE
			15.81734		30	P	20150303	20150313	PM	INSPS			CLEAN/INSPECT/CALIBRATE
			15.81735		30	P	20150303	20150313	PM	INSPS			CLEAN/INSPECT/CALIBRATE
			15.81736		30	P	20150303	20150312	PM	INSPS			INSPECTION
			15.81737		30	P	20150303	20150310	PM	INSPS			INSPECTION
			15.81738		30	P	20150303	20150310	PM	INSPS			INSPECT AND CLEAN
			15.81778		30	P	20150303	20150317	PM	ELCPS			CLEAN AND LUBRICATE
			15.81779		30	P	20150303	20150317	PM	ELCPS			CLEAN AND INSPECT
			15.81780		30	P	20150303	20150317	PM	ELCPS			INSPECTION.
			15.81781		30	P	20150303	20150317	PM	ELCPS			CHECK OPERATING CONDITIONS, BATTERY CHE
			15.81782		30	P	20150303	20150317	PM	ELCPS			CHECK OPERATING CONDITIONS, BATTERY CHE
			15.81783		30	P	20150303	20150317	PM	ELCPS			CHECK OPERATING CONDITIONS, BATTERY CHE
			15.81834		25	P	20150303		PM	PM			INSPECT AND LUBRICATE
			15.81835		25	P	20150303		PM	PM			INSPECT AND LUBRICATE
			15.81836		25	P	20150303		PM	PM			FLUSH COOLING SYSTEM &CHANGE OIL
Total W/O's for Location LOCPO:													
COUNT 34													
MCST													
			15.81727		25	P	20150303		PM	INSPS			INSPECT AND CALIBRATE
			15.81728		25	P	20150303		PM	INSPS			INSPECT AND CALIBRATE
			15.81729		25	P	20150303		PM	INSPS			INSPECT AND CALIBRATE
			15.81730		25	P	20150303		PM	INSPS			INSPECT AND CALIBRATE
			15.81731		25	P	20150303		PM	INSPS			INSPECT AND CALIBRATE
			15.81732		25	P	20150303		PM	INSPS			INSPECT AND CALIBRATE
Total W/O's for Location MCST:													
COUNT 6													

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Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
PUMPING STATIONS - PM only

Mike/Chris Locations:
BRKLYN DUNDAL EASTER JF
**LOCPO MCST QUAD WSTPT ** on 04/07/15

WOCMPMSAL
as of 11:02:16
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Co	Cost	Cost	Parent	WO	WO	TYPE	WO	Issue	WO	Wrk	Craft	Short problem
No	Center	Loc	WO	Suf	Sts			Date		Type	Code	Description
		Id	Number									
11	PUMPING ST QUAD	15.81093	15.81093	30	P	P	20150105	20150114	PM	INSPS	CLEAN AND INSPECT	
		15.81094	15.81094	30	P	P	20150105	20150226	PM	INSPS	CLEAN/INSPECT/CALIBRATE RECORDER	
		15.81095	15.81095	30	P	P	20150105	20150226	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81096	15.81096	30	P	P	20150105	20150226	PM	INSPS	INSPECT AND CALIBRATE	
		15.81097	15.81097	30	P	P	20150105	20150225	PM	INSPS	INSPECT AND CALIBRATE	
		15.81098	15.81098	30	P	P	20150105	20150224	PM	INSPS	INSPECT AND CALIBRATE	
		15.81099	15.81099	30	P	P	20150105	20150224	PM	INSPS	INSPECTION	
		15.81222	15.81222	25	P	P	20150105		PM	PM	INSPECT AND LUBRICATE	
		15.81223	15.81223	25	P	P	20150105		PM	PM	INSPECT, LUBRICATE EXERCISE	
		15.81224	15.81224	25	P	P	20150105		PM	PM	INSPECT, CLEAN FILTER, CHECK OIL	
		15.81225	15.81225	25	P	P	20150105		PM	PM	CHECK FOR WATER.	
		15.81226	15.81226	25	P	P	20150105		PM	PM	INSPECT, LUBRICATE CABLES, OIL CHECK	
		15.81227	15.81227	25	P	P	20150105		PM	PM	LUBRICATE PUMP	
		15.81383	15.81383	30	P	P	20150105	20150128	PM	ELCPS	CLEAN AND INSPECT	
		15.81384	15.81384	30	P	P	20150105	20150128	PM	ELCPS	CHECK OPERATING CONDITION, BATTERY	
		15.81385	15.81385	30	P	P	20150105	20150128	PM	ELCPS	CLEAN, INSPECT CONNECTIONS	
		15.81386	15.81386	30	P	P	20150105	20150128	PM	ELCPS	CLEAN, INSPECT CONNECTIONS	
		15.81387	15.81387	30	P	P	20150105	20150128	PM	ELCPS	CLEAN, INSPECT CONNECTIONS	
		15.81523	15.81523	25	P	P	20150203		PM	PM	CHANGE OIL	
		15.81524	15.81524	25	P	P	20150203		PM	PM	CHECK VARIOUS COMPONENTS AND LUBRICATE	
		15.81556	15.81556	25	P	P	20150203		PM	ELCPS	CLEAN & INSPECT	
		15.81595	15.81595	30	P	P	20150203	20150224	PM	INSPS	CLEAN AND INSPECT	
		15.81596	15.81596	25	P	P	20150203		PM	INSPS	INSPECT AND CALIBRATE	
		15.81597	15.81597	25	P	P	20150203		PM	INSPS	INSPECT AND CALIBRATE	
		15.81598	15.81598	25	P	P	20150203		PM	INSPS	INSPECT AND CALIBRATE	
		15.81599	15.81599	30	P	P	20150203	20150224	PM	INSPS	INSPECTION	
		15.81687	15.81687	25	P	P	20150303		PM	INSPS	CLEAN AND INSPECT	
		15.81688	15.81688	25	P	P	20150303		PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81689	15.81689	25	P	P	20150303		PM	INSPS	CLEAN/INSPECT/CALIBRATE/GAS ALARM	
		15.81690	15.81690	25	P	P	20150303		PM	INSPS	CLEAN/INSPECT/CALIBRATE	
		15.81691	15.81691	25	P	P	20150303		PM	INSPS	INSPECT AND CALIBRATE	
		15.81692	15.81692	25	P	P	20150303		PM	INSPS	INSPECT AND CALIBRATE	
		15.81693	15.81693	25	P	P	20150303		PM	INSPS	INSPECT AND CALIBRATE	
		15.81694	15.81694	25	P	P	20150303		PM	BLDG	INSPECT/REPAIR/PLUMBING-ETC.	
		15.81695	15.81695	25	P	P	20150303		PM	INSPS	INSPECTION	
		15.81753	15.81753	30	P	P	20150303	20150311	PM	ELCPS	CHECK OPERATING CONDITION, BATTERY	
		15.81808	15.81808	25	P	P	20150303		PM	PM	GEAR BOX OIL CHANGE, ANNUAL INSPECTION	
Total W/O's for Location QUAD:												
COUNT 37												
WSTPT	15.81127		15.81127	30	P	P	20150105	20150226	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
	15.81128		15.81128	30	P	P	20150105	20150224	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
	15.81129		15.81129	30	P	P	20150105	20150224	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
	15.81130		15.81130	30	P	P	20150105	20150226	PM	INSPS	CLEAN/INSPECT/CALIBRATE	
	15.81131		15.81131	30	P	P	20150105	20150226	PM	INSPS	INSPECT AND CALIBRATE	
	15.81132		15.81132	30	P	P	20150105	20150223	PM	INSPS	INSPECTION	
	15.81133		15.81133	30	P	P	20150105	20150223	PM	INSPS	INSPECTION	

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Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
PUMPING STATIONS - PM only

Mike/Chris Locations:
BRKLYN DUNDAL EASTER JF as of 11:02:16
**LOCPO MCST QUAD WSTPT ** on 04/07/15

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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	WSTPT	15.81309		30	P	20150105	20150116	PM	PM		CHECK VARIOUS COMPONENTS
			15.81310		30	P	20150105	20150116	PM	PM		CHECK VARIOUS COMPONENTS
			15.81311		30	P	20150105	20150116	PM	PM		CHECK VARIOUS COMPONENTS
			15.81312		30	P	20150105	20150116	PM	PM		INSPECT AND LUBRICATE
			15.81313		30	P	20150105	20150116	PM	PM		INSPECT AND LUBRICATE
			15.81314		30	P	20150105	20150116	PM	PM		INSPECT AND LUBRICATE
			15.81315		25	P	20150105		PM	PM		LUBRICATION
			15.81316		25	P	20150105		PM	PM		INSPECT AND LUBRICATE
			15.81317		25	P	20150105		PM	PM		CHECK VARIOUS UNITS
			15.81318		30	P	20150105	20150116	PM	BLDG		CHECK VARIOUS COMPONENTS AND LUBRICATE
			15.81318		30	P	20150105	20150116	PM	PM		CHECK VARIOUS COMPONENTS AND LUBRICATE
			15.81319		30	P	20150105	20150116	PM	PM		INSPECT NORMAL OPERATION
			15.81320		30	P	20150105	20150116	PM	PM		INSPECT NORMAL OPERATION
			15.81321		30	P	20150105	20150116	PM	PM		CHECK NORMAL OPERATION AND VARIOUS UNIT
			15.81322		30	P	20150105	20150116	PM	PM		CHECK NORMAL OPERATION AND VARIOUS UNIT
			15.81323		30	P	20150105	20150116	PM	PM		INSPECT AND LUBRICATE
			15.81324		30	P	20150105	20150116	PM	PM		INSPECT AND LUBRICATE
			15.81325		30	P	20150105	20150116	PM	PM		INSPECT AND LUBRICATE
			15.81326		30	P	20150105	20150116	PM	PM		INSPECT AND LUBRICATE
			15.81441		30	P	20150105	20150115	PM	ELCPS		INSPECTION
			15.81442		30	P	20150105	20150115	PM	ELCPS		INSPECT AND LUBRICATE
			15.81443		30	P	20150105	20150115	PM	ELCPS		INSPECT AND LUBRICATE
			15.81581		30	P	20150203	20150206	PM	ELCPS		INSPECTION
			15.81582		30	P	20150203	20150206	PM	ELCPS		INSPECTION
			15.81583		30	P	20150203	20150206	PM	ELCPS		INSPECTION
			15.81619		30	P	20150203	20150223	PM	INSPS		INSPECTION
			15.81619		30	P	20150203	20150223	PM	INST		INSPECTION
			15.81725		25	P	20150303		PM	INSPS		CLEAN/INSPECT/CALIBRATE
			15.81726		25	P	20150303		PM	INSPS		INSPECTION
			15.81818		25	P	20150303		PM	PM		CHECK VARIOUS COMPONENTS
			15.81819		25	P	20150303		PM	PM		CHECK VARIOUS COMPONENTS
			15.81820		25	P	20150303		PM	PM		CHECK VARIOUS COMPONENTS
			15.81821		25	P	20150303		PM	PM		INSPECT AND LUBRICATE
			15.81822		25	P	20150303		PM	PM		INSPECT AND LUBRICATE
			15.81823		25	P	20150303		PM	PM		INSPECT AND LUBRICATE
			15.81824		25	P	20150303		PM	PM		CHECK VARIOUS COMPONENTS AND LUBRICATE
			15.81825		25	P	20150303		PM	PM		INSPECT NORMAL OPERATION
			15.81826		25	P	20150303		PM	PM		INSPECT NORMAL OPERATION
			15.81827		25	P	20150303		PM	PM		CHECK NORMAL OPERATION AND VARIOUS UNIT
			15.81828		25	P	20150303		PM	PM		CHECK NORMAL OPERATION AND VARIOUS UNIT
			15.81829		25	P	20150303		PM	PM		CLEAN, LUBRICATE
			15.81830		25	P	20150303		PM	PM		INSPECT AND LUBRICATE
			15.81831		25	P	20150303		PM	PM		INSPECT AND LUBRICATE
			15.81832		25	P	20150303		PM	PM		INSPECT AND LUBRICATE
			15.81833		25	P	20150303		PM	PM		INSPECT AND LUBRICATE

Total W/O's for Location WSTPT:
COUNT 52

04/07/15 11:02:16

Total Issued W/O's
JAN. 01, '15 - MAR. 31, '15
PUMPING STATIONS - PM only

Mike/Chris Locations: WCOMPMSAL
 BRKLYN DUNDAL EASTER JF as of 11:02:16
 **LOCPO MCST QUAD WSTPT ** on 04/07/15

PAGE 15

04/07/15 11:02:16

Total Issued W/O's
JAN. 01,'15 - MAR. 31,'15
PUMPING STATIONS - PM only

Mike/Chris Locations:
BRKLYN DUNDAL EASTER JF as of 11:02:16
**LOCPO MCST GUAD WSTPT ** on 04/07/15

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

FINAL TOTALS
COUNT 641

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

APPENDIX 5

SUMMARY OF REPORTED OVERFLOWS

City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending March 31, 2015

SSO No. 67

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
1/24/2015	Flow Meter in Place	0.64

SSO No. 72

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
1/24/2015	Flow Meter in Place	0.64

SSO No. 132

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

SSO No. 134

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

City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending March 31, 2015

SSO No. 135

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

SSO No. 137

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

SSO No. 138

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

SSO No. 139

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

Meter out of service from 1/8/2015 13:00 to 1/9/2015 14:00

City of Baltimore
Activity at Sanitary Sewer Overflow Structures
For Calendar Quarter Ending March 31, 2015

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

Wastewater Treatment Plant Overflows

<u>WWTP</u>	<u>Date</u>	<u>Volume Loss (gal)</u>	<u>Rainfall (in)</u>
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Patapsco		None Reported this Quarter	
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Back River		None Reported this Quarter	
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City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending March 31, 2015

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
1/1/2015	315	Rags, Grease	0	Inner Harbor	2500 Frederick Ave	21223
1/1/2015	45	Rags, Grease	0	N/A	3110 Fait Ave	21224
1/2/2015	Evidence of Overflow	Pipe Break	0	N/A	3106 Harford Rd	21218
1/2/2015	111	Rags, Grease	0	N/A	4321 Park Heights Ave	21215
1/2/2015	Evidence of Overflow	Rags, Roots, Grease	0	N/A	4823 Herring Run Dr	21214
1/4/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.47	N/A	5532 Plainfield Ave	21206
1/5/2015	Evidence of Overflow	Rags, Grease	0	N/A	1012 Billie Holiday Ct	21205
1/5/2015	Evidence of Overflow	Other	0	N/A	5110 Windsor Mill Rd	21207
1/5/2015	715	Rags, Grease	0	N/A	15 Edgevale Rd	21210
1/6/2015	Evidence of Overflow	Rags, Grease	0	N/A	1015 N Mount St	21217
1/8/2015	223	Grease, Trash, Sand, Gravel, Rocks	0.01	Tiffany Run	4720 York Rd	21212
1/9/2015	Evidence of Overflow	Rags, Other	0.08	N/A	1220 Bayard St	21230
1/9/2015	Evidence of Overflow	Rags, Grease	0.08	N/A	1510 Guildford Ave	21202
1/9/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks, Other	0.08	N/A	1912 Ramsay St	21223
1/13/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.01	N/A	2103 Brookfield Ave	21217
1/13/2015	Evidence of Overflow	Roots, Trash, Sand, Gravel, Rocks	0.01	N/A	2305 Whittier Ave	21217
1/13/2015	Evidence of Overflow	Rags	0.01	N/A	434 S Hanover St	21201
1/13/2015	Evidence of Overflow	Rags, Grease	0.01	N/A	1132 W Saratoga St	21223
1/13/2015	Evidence of Overflow	Rags, Roots	0.01	N/A	2717 Marbourne Ave	21230
1/15/2015	19500	Rags, Roots, Grease	0	Gwynns Falls	977 Ellicott Driveway	21216
1/15/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks, Other	0	N/A	3106 Harford Rd	21218
1/15/2015	Evidence of Overflow	Roots	0	N/A	3128 Weaver Ave	21214
1/16/2015	570	Rags, Roots	0	N/A	1008 Poplar Hill Rd	21210
1/16/2015	250	Rags	0	N/A	3300 Reisterstown Rd	21215
1/16/2015	Evidence of Overflow	Rags	0	N/A	4309 Groveland Ave	21215
1/17/2015	Evidence of Overflow	Rags, Grease	0	N/A	316 E 22nd St	21218
1/17/2015	300	Rags, Roots, Trash, Sand, Gravel, Rocks	0	N/A	4030 Deepwood Rd	21218
1/19/2015	113	Trash, Sand, Gravel, Rocks, Other	0	N/A	441 N Luzerne Ave	21224

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending March 31, 2015

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
1/20/2015	2342	Pipe Break	0	Herring Run	5098 Orville Ave	21205
1/21/2015	Evidence of Overflow	Rags, Roots	0	N/A	217 Southway	21218
1/21/2015	Evidence of Overflow	Rags	0	N/A	1232 N Broadway	21213
1/21/2015	Evidence of Overflow	Rags, Trash, Debris, Sand, Gravel, Rocks	0	N/A	Cedarcroft Rd & The Alameda	21239
1/22/2015	9080	Rags, Roots, Grease	0.16	N/A	3119 Westmont Ave	21216
1/24/2015	995	Rags, Grease	0.68	N/A	Beaumont Ave & Northwood Dr	21239
1/25/2015	Evidence of Overflow	Roots	0	N/A	5501 Ritter Ave	21206
1/25/2015	46650	Rags, Roots, Grease, Trash, Sand, Gravel, Rocks	0	Gwynns Falls	252 N Hilton St	21229
1/27/2015	326	Rags, Roots, Trash, Sand, Gravel, Rocks	0.07	Gwynns Falls	422 S Payson St	21223
1/27/2015	Evidence of Overflow	Rags	0.07	N/A	428 E Preston St	21202
1/28/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0	N/A	526 N Carrollton Ave	21223
1/28/2015	8325	Rags, Roots	0	1665	Greenspring Ave & Loyola Southway	21209
1/29/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks, Pipe Break	0	N/A	519 N Streeper St	21205
1/29/2015	180	Roots	0	Chinquapin Run	214 Cedarcroft Rd	21212
1/29/2015	975	Rags, Grease, Trash, Sand, Gravel, Rocks	0	Colgate Creek	6500 Parnell Ave	21222
1/30/2015	Evidence of Overflow	Roots	0.04	N/A	5317 Wendley Rd	21229
2/2/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.43	N/A	1404 W Saratoga St	21223
2/2/2015	Evidence of Overflow	Rags, Grease, Trash, Sand, Gravel, Rocks	0.43	N/A	4400 Liberty Hgts	21207
2/2/2015	Evidence of Overflow	Rags, Grease, Trash, Sand, Gravel, Rocks	0.43	N/A	4205 Anntana Ave	21206
2/4/2015	Evidence of Overflow	Unknown	0	N/A	1806 Harlem Ave	21217
2/4/2015	1500	Roots	0	N/A	4205 Anntana Ave	21206
2/5/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0	N/A	2440 Lakeview Ave	21217
2/5/2015	6215	Rags, Grease	0	N/A	3027 Normount Ct	21216
2/5/2015	Evidence of Overflow	Trash, San, Gravel, Rocks	0	N/A	315 Suffolk Rd	21218
2/5/2015	Evidence of Overflow	Rags, Grease	0	N/A	3301 Pressman St	21216
2/6/2015	Evidence of Overflow	Rags	0	Jones Falls	1808 Druid Hill Ave	21217
2/6/2015	1060	Rags, Grease, Sand, Gravel, Rocks	0	Gwynns Falls	N Payson St & W Mulberry St	21223

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending March 31, 2015

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
2/6/2015	Evidence of Overflow	Grease, Trash, Sand, Gravel, Rocks	0	N/A	1601 E Madison St	21205
2/6/2015	548	Rags, Grease	0	Gwynns Falls	3405 Edmondson Ave	21229
2/6/2015	Evidence of Overflow	Rags	0	N/A	809 N Caroline St	21205
2/7/2015	2775	Rags, Grease	0	Herring Run	1212 Steelton Ave	21224
2/7/2015	Evidence of Overflow	Rags, Pipe Break	0	N/A	1400 Lowman St	21230
2/9/2015	Evidence of Overflow	Rags, Grease	0	N/A	613 E 38th St	21218
2/9/2015	2500	Rags Roots, Grease	0	Gwynns Falls	252 N Hilton St	21229
2/10/2015	Evidence of Overflow	Rags, Grease	0.12	N/A	1006 Billie Holiday Ct	21205
2/11/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0	N/A	4302 Wentworth Rd	21207
2/11/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0	N/A	121 Kane St	21224
2/12/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0	N/A	721 E Preston St	21202
2/12/2015	Evidence of Overflow	Rags	0	N/A	422 S Payson St	21223
2/12/2015	Evidence of Overflow	Grease	0	N/A	4707 Alhambra Ave	21212
2/13/2015	Evidence of Overflow	Rags, Roots	0	N/A	4115 Falls Rd	21211
2/14/2015	Evidence of Overflow	Grease, Trash, Sand, Gravel, Rocks	0	N/A	6300 Leith Walk	21239
2/14/2015	Evidence of Overflow	Roots	0	N/A	3710 Gibbons Ave	21206
2/18/2015	6500	Rags, Roots, Grease	0.03	Gwynns Falls	252 N Hilton St	21229
2/20/2015	Evidence of Overflow	Rags, Grease	0.00	N/A	428 E Preston St	21202
2/24/2015	Evidence of Overflow	Rags	0.00	N/A	4205 Elsrode Ave	21214
3/5/2015	Evidence of Overflow	Rags, Grease, Trash, Sand, Gravel, Rocks	0.11	N/A	910 Reverdy Rd	21212
3/6/2015	2178	Roots, Grease	0.07	N/A	751 W Saratoga St	21201
3/6/2015	325	Rags, Grease	0.07	Inner Harbor	1600 E Lombard St	21231
3/6/2015	Evidence of Overflow	Rags	0.07	N/A	3413 Menlo Dr	21215
3/8/2015	Evidence of Overflow	Roots	0.04	N/A	1011 W 37th St	21211
3/8/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.04	N/A	2276 Druid Park Dr	21209
3/9/2015	30	Rags, Roots	0.00	N/A	2024 Mount Royal Ter	21211

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending March 31, 2015

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
3/10/2015	865	Rags, Roots, Grease	0.45	N/A	4507 Wakefield Rd	21216
3/11/2015	Evidence of Overflow	Rags	0.01	N/A	2628 Oswego Ave	21215
3/11/2015	Evidence of Overflow	Rags, Roots	0.01	N/A	6307 Park Heights Ave	21215
3/11/2015	Evidence of Overflow	Rags	0.01	N/A	212 Northway	21218
3/11/2015	450	Rags, Roots	0.01	N/A	2728 Lauretta Ave	21223
3/12/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	3229 Powhatan Ave	21216
3/12/2015	5250	Rags, Roots, Grease	0.00	N/A	5010 Wetheredsville Rd	21207
3/12/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.00	N/A	3710 Gibbons Ave	21206
3/12/2015	Evidence of Overflow	Rags	0.00	N/A	5813 Loch Raven Blvd	21239
3/13/2015	5725	Rags, Roots, Trash, Sand, Gravel, Rocks	0.00	N/A	4403 Frederick Ave	21229
3/13/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	1622 McCulloh St	21217
3/13/2015	Evidence of Overflow	Rags	0.00	N/A	4629 Reisterstown Rd	21215
3/14/2015	120	Rags, Grease	0.89	Gwynns Falls	827 N Brice St	21217
3/15/2015	Evidence of Overflow	Rags	0.00	N/A	901 Dartmouth Ave	21212
3/16/2015	22	Rags	0.00	N/A	2501 Maryland Ave	21218
3/16/2015	Evidence of Overflow	Rags	0.00	N/A	2824 Alvarado Sq	21234
3/17/2015	170	Rags, Trash, Sand, Gravel, Rocks	0.00	N/A	2043 W North Ave	21217
3/17/2015	Evidence of Overflow	Rags, Other	0.00	N/A	1845 W North Ave	21217
3/17/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.00	N/A	2900 Gibbons Ave	21214
3/17/2015	6000	Rags, Grease	0.00	Gwynns Falls	900 Brunswick St	21223
3/18/2015	Evidence of Overflow	Roots	0.00	N/A	508 N Payson St	21223
3/18/2015	Evidence of Overflow	Rags	0.00	N/A	20 S Tremont Rd	21229
3/18/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	2719 W North Ave	21216
3/19/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	6004 Clover Rd	21215
3/19/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	301 Edgevale Rd	21210
3/20/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.49	N/A	414 Fonthill Ave	21223
3/20/2015	Evidence of Overflow	Trash, Sand , Gravel, Rocks	0.49	N/A	3107 Fairmount Ave	21224
3/21/2015	Evidence of Overflow	Rags, Roots	0.08	N/A	1610 Saint Stephens St	21216

City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending March 31, 2015

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
3/21/2015	Evidence of Overflow	Rags, Roots, Grease	0.08	N/A	2909 Alvarado Sq	21234
3/21/2015	2385	Rags, Roots, Grease	0.08	N/A	3506 Glenmore Ave	21206
3/22/2015	Evidence of Overflow	Rags, Roots, Grease	0.00	N/A	3478 Spelman Rd	21225
3/23/2015	Evidence of Overflow	Rags, Roots, Grease	0.00	N/A	2703 Round Rd	21225
3/23/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	4000 Groveland Ave	21215
3/23/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.00	N/A	538 N Payson St	21223
3/23/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.00	N/A	6002 Harford Rd	21214
3/24/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.00	N/A	851 W 36th St	21211
3/24/2015	154	Rags, Grease	0.00	Curtis Bay	932 Seagull Ave	21225
3/24/2015	Evidence of Overflow	Rags	0.00	N/A	1909 McElderry St	21205
3/24/2015	Evidence of Overflow	Rags	0.00	N/A	5200 Beaufort Ave	21215
3/25/2015	Evidence of Overflow	Unknown	0.01	N/A	1617 Moreland Ave	21216
3/26/2015	255	Grease, Trash, Sand, Gravel, Rocks	0.29	Jones Falls	2200 Hunter St	21218
3/27/2015	Evidence of Overflow	Pipe Break	0.64	N/A	4409 Springdale Ave	21207
3/27/2015	Evidence of Overflow	Rags	0.64	N/A	1703 S Clinton St	21224
3/27/2015	Evidence of Overflow	Pipe Break	0.64	N/A	2733 Rayner Ave	21216
3/29/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0	N/A	2318 Ivey Ave	21214
3/29/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0	N/A	825 Yale Ave	21229
3/30/2015	Evidence of Overflow	Rags	0	N/A	3434 Park Heights Ave	21215
3/30/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0	N/A	4629 Reisterstown Rd	21215
3/30/2015	Evidence of Overflow	Rags	0	N/A	5805 Dale Rd	21209
3/30/2015	Evidence of Overflow	Rags	0	N/A	2509 Marbourne Ave	21230
3/31/2015	Evidence of Overflow	Rags	0	N/A	2764 Kinsey Ave	21223
3/31/2015	82	Trash, Sand, Gravel, Rocks	0	N/A	3439 Edmondson Ave	21229
3/31/2015	Evidence of Overflow	Roots	0	N/A	5108 Hillen Rd	21239
3/31/2015	Evidence of Overflow	Rags	0	N/A	420 E 25th St	21218
3/31/2015	Evidence of Overflow	Rags	0	N/A	212 Northway	21218

Updated through March 31, 2015

No.	SDUO No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est.. Quantity of Discharge in Gallons (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
1	2	4/11/2007	6225 York Rd behind Walker Mews Apartment Building	21212	Herring Run	Not Resolved	On-going	2,756,608	Dye and ammonia testing and CCTV inspections performed prior to CIPP lining. CIPP lined sewer, but testing indicated no resolution. After further testing, additional CIPP Lining was recommended/installed. Rehab work is completed. Confirmatory testing to be performed.	Confirmatory testing still positive. Location is not abated. More rehab work is in progress.
2	14	9/18/2007	JHU Campus	21218	Jones Falls	Not Resolved	On-going	3,463,431	City letter sent to JHU on 3/30/11 requiring that repairs be made. JHU completed significant repair effort. Subsequent retesting by the City determined that the repairs to date have been unsuccessful. City met with JHU maintenance on 12/5/13. Owner continues to address the issue. 200 feet of lining were completed. Confirmatory testing to be performed.	Confirmatory testing still slightly positive. Location is not abated. Possibly residuals in the system. Will retest again.
3	20	7/5/2006	W. 24th & Morton St.	21218	Jones Falls	Not Resolved	On-going	3,405,600	It was confirmed that the private properties contributing to the problem were 2417 and 2433 Maryland. Ave . A violation notice was issued by HCD/HABC and on 9/19/11, HCD reported that 2417 and 2433 Maryland Ave. have been corrected by a private plumber. Testing of 2433 confirmed that they had resolved their problem. Located additional Leaking private connection. Confirmatory dye testing of 2431 Maryland Ave showed dye negative to storm drain. Recommendation was forwarded to construction on 1/14/2015	Confirmatory testing is pending
4	38	11/6/2009	3302 Esther Place (inside 54" storm drain)	21212	Inner Harbor	Not Resolved	On-going	1,147,968	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. Active - With Department of Housing and Community Development (DHCD). Violation Notice issued 1/12/2015.	Will follow up with DHCD
5	41	6/3/2010	Cross Country & Key Ave (Storm Drain MH with sewage in bottom)	21215	Western run	Not Resolved	On-going	256,896	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. Rehab work is completed. Confirmatory testing to be performed. Location is not abated. Site visit is secheduled for 1/20/2015	After the site visit, additional rehab recommendation was forward to construction on 1/20/2015. Rehab work is in progress
6	43	5/26/2010	Cross Country & Chilham Rd (300 ft northeast of intersection in an uncharted 15" Storm Drain)	21209	Western Run	Not Resolved	On-going	73,032	Verified as SDUO site by ammonia field test and dye test completed on May 26, 2010. Lining recommendation was forwarded to construction on 1/14/2015. A manhole needs to be located prior to the start of lining.	Rehab work is in progress
7	55	8/10/2011	Mamasota & Parkside	21206	Herring Run	Not Resolved	On-going	49,958	Sewage is infiltrating the storm entering storm drain at Cyburn Ave. On 7/26/2011, on-call consultant recommended the sewer line be CIPP lined. Site lined, but follow-up testing documented ammonia. Heavy cleaning complete - CIPP lining is pending	Rehab work is in progress

Updated through March 31, 2015

No.	SDUO No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est.. Quantity of Discharge in Gallons (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
	62	1/27/2012	JHU - Remsen Hall	21218	Johns Falls	3/19/2015	abated	403,524 A	Met with representatives of Johns Hopkins University to discuss issue. JHU completed significant repair effort. Subsequent retesting by the City determined that the repairs to date have been unsuccessful. City met with JHU maintenance on 12/5/13. Owner addressed the issue - Confirmatory testing to be performed. Location is not abated. More rehab work is in progress.	Additional confirmatory testing was negative. This site is abated.
	67	9/26/2012	McMechen & Brevard	21217	Jones Falls	2/10/2015	abated	87,158 T	Dye testing performed. Replaced sanitary sewer with new alignment to the nearest downstream manhole. Confirmatory test is pending	Confirmatory testing was negative. This site is abated.
8	68	10/11/2012	Mason & McMechen	21217	Jones Falls	Not Resolved	On-going	106,330 T	Dye test program and CCTV performed. Recommendation was forwarded to construction on 1/14/2015	After a site visit, the recommendation was amended and sent back to construction on 3/18/2015
9	69	12/4/2012	Fait & Grundy	21224	Inner Harbor	Not Resolved	On-going	50,054 T	Heavy cleaning and CCTV performed. Dye testing of 3906 Fait Ave confirmed the property is not the source.Manhole installed and the sanitary house connection (SHC) was disconnected from storm drain. SDUO not abated. Recommendation was forwarded to construction on 1/14/2015	Rehab work is in progress
10	70	12/5/2012	Haven & Bank	21224	Inner Harbor	Not Resolved	On-going	31,248 T	Dye testing and manned inspection confirmed private connections. Property owner notified. Working with the property owner to correct the issue. A Violation Notice may be issued.	Still working with the property owner to correct the issue
	71	1/29/2013	Armistead Creek	21205	Herring Run	2/5/2015	abated	76,780 A	Visual inspection and dye test performed. Site visit is scheduled for 1/20/2015	the rehab work was performed and the site is abated
11	78	7/26/2013	500 block of Bloom St.	21217	Jones Falls	Not Resolved	On-going	786,729 T	CCTV program in progress. Lining repair work was performed under Consent Decree project. Replacing/coating 3 manholes is planned	Rehab work is in progress
12	79	7/31/2013	Perkins Homes, 263 Dallas Ct.	21223	Inner Harbor	Not Resolved	On-going	132,657 T	Dye test program and CCTV conducted. confirmatory test showed dye negative to storm drain. Rehab work is completed. Confirmatory testing to be performed. Location is not abated. Additional lining is planned.	Lining work is completed. Confirmatory testing is pending
13	82	9/17/2013	Fleet & Fagley Streets	21224	Patapsco	Not Resolved	On-going	656,232 T	Dye test program and CCTV in progress. Under Investigation. CCTV is scheduled	CCTV completed and lining recommendation was forwarded to construction on 2/5/2015.
14	86	8/12/2014	2100 BLK Hamilton Av	21214	Herring Run	Not Resolved	On-going	12,871 A	Replacement of 3 sewer house connections is planned. Replacement of 3 sewer house connections is planned. Work completed. Confirmatory test is pending	2 sewer connections were completed. Confirmatory testing is slightly positive. Connection number 3 will be rehabbed
15	87	8/15/2014	Charles St. and Lanvale St	21214	Jones Falls	Not Resolved	On-going	10,132 A	Part of CD project 897R. Work is removed from SC897R to expedite the rehab.	Rehab work is in progress

Updated through March 31, 2015

No.	SDUO No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est.. Quantity of Discharge in Gallons (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
16	92	1/29/2015	4512 York Rd.	21212	Herring Run	Not Resolved	On-going	3,507 A	Field investigation was performed and rehab recommendation was forwarded to construction on 3/18/2015.	Rehab work is completed and confirmatory testing is pending
17	93	2/19/2015	2400-2500 Blocks of W. Coldspring Ln	21215	Jones Falls	Not Resolved	On-going	668 A	Rehab recommendation was forwarded to construction on 3/18/2015	Rehab work is in progress
18	94	2/19/2015	2600 Block of Loyola Northway	21215	Jones Falls	Not Resolved	On-going	1,310 A	Rehab recommendation was part of consent decree project SC899. Work is completed	Confirmatory testing is pending
19	95	4/9/2015	4201 Pennington Ave	21226	Inner Harbor	Not Resolved	On-going	5,395 A	smoke tesing will be scheduled shortly	The results of the smoke testing will determine the next course of action

SDUO Summary:

1. Total SDUO Sites Documented: 97

2. Total SDUO Sites Resolved: 78 (80% Complete)

3. Total Active SDUO Sites on Private Property: 5

4. Total SDUO Sites Unresolved: 19 (20% Open)

5. New SDUO Sites documented in the last Quarter: 3

6. Under the column entitled "Date of Resolution", if the note reads Not Resolved an end date of 4/22/2015 was used to determine the quantity of discharge up to that point.


7. All of the Estimated Quantities of Discharge listed in the above table are based on a start date of October 30, 2008 in accordance with the letter issued by EPA dated November 12, 2010. The actual start date of the sewer discharge based on testing is listed in the Date of Occurrence.

8. (T) - Flow calculated utilizing TKN concentration.
(A) - Flow Calculated utilizing Ammonia concentration.

For all active sites, the City ultimately, plans on calculating flows using TKN - per guidelines of the approved protocol by EPA

9. For sites that have not yet been resolved, "Est. Quantity of Discharge (Gal)" is readjusted each quarter to reflect the elapse of time and any recent field information (flow, NH3, TKN) that may have been collected for a given site.

	SDUO Site abated
	SDUO Site on Private Property



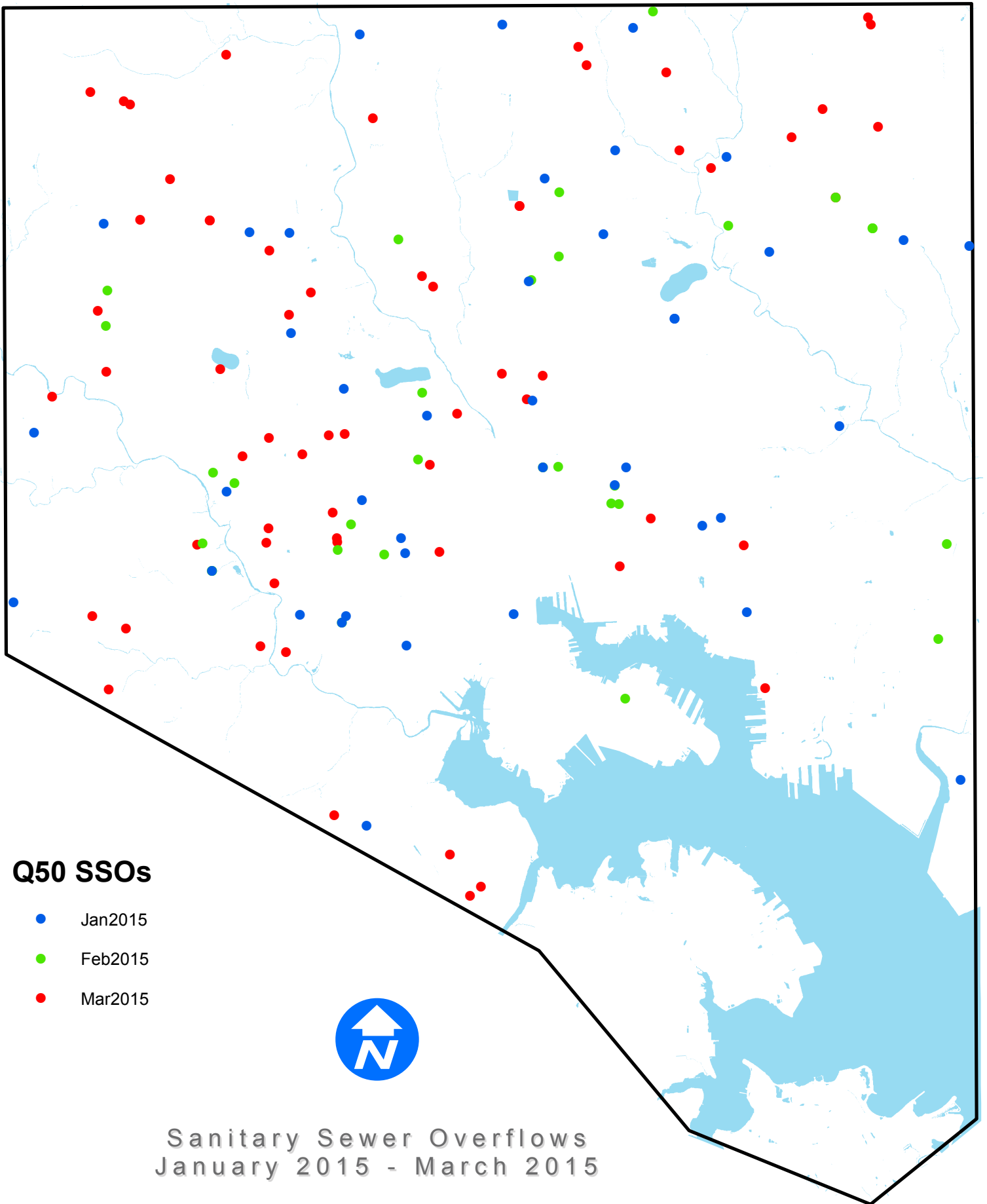
Civil Action No. JFM-02-1524

SDUO Overflow Occurrences

Calendar Quarterly Report No. 50

For Calendar Quarter Ending March 31 2015

Appendix 5-11



Q50 SSOs

- Jan2015
- Feb2015
- Mar2015



Sanitary Sewer Overflows
January 2015 - March 2015



Updated: April 2015