

CITY OF BALTIMORE

CATHERINE E. PUGH, Mayor



DEPARTMENT OF PUBLIC WORKS

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April 6, 2017

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. 58
For Calendar Quarter Ending March 31, 2017**

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. 58, for the Calendar Quarter ending March 31, 2017.

Please Visit Our Website @ www.baltimorecity.gov

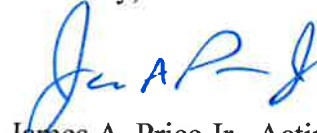


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April 6, 2017
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We trust that you will agree that the City of Baltimore is in compliance with this requirement of the Consent Decree. Please notify us if you have any questions related to this item.

Sincerely,

A handwritten signature in blue ink, appearing to read "James A. Price Jr.", written in a cursive style.

James A. Price Jr., Acting Bureau Head
Water & Wastewater

Enclosures

JAP/ajd

cc: Rudolph Chow, P.E.
James Phillips-Farley, Esquire
Ms. Dawn Lettman
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Arthur Jones-Dove, P.E.
File

City of Baltimore Sanitary Sewer Overflow Consent Decree

Civil Action No. JFM-02-1524

Calendar Quarterly Report No. 58
For Calendar Quarter ending March 31, 2017

*Submitted:
April 28, 2017*

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

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



Statement of Certification

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



James A. Price Jr.
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, 2017, 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 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.

It was proposed to monitor SSO No. 132 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.

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. SSO #132 and #134 were eliminated and permanently sealed on June 27, 2016.

SSO 150 located at the intersection of N Calvert St & Chancery Rd
SSO 151 located in the proximity of 4210 Curtis Ave
SSO 152 located at the intersection of N Charles St & W Lanvale St
SSO 153 located at the intersection of Fernhill Ave & Hillsdale Rd
SSO 154 located at N. Charles Street & W. Lafayette Avenue

Flow meter installation at these locations was completed in June 2015. The collected data in conjunction with the hydraulic model will determine if they can be sealed.

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, 2017, no new flow meters were 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	0	0	0
8	5	Stony Run Interceptor & P.S.	0	0	0
10	7	Greenmount Interceptor	0	0	0
Total			0	0	0

A summary of rainfall and flow monitoring data collected during December, January and February 2017 (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, 2017, the flow monitoring continues at 8 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, 2017, 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.

The City of Baltimore received a letter dated June 11, 2015, from the Department of Justice including proposed modifications to the City of Baltimore Consent Decree. Negotiations between the City and the Regulators on the modifications resulted in the United States Department of Justice lodging proposed modifications on June 1, 2016. The proposed modification establishes additional control measures, and provides more transparency to the public, as well as new interim milestones for completion of phase 1 and 2 projects, and a 2 year monitoring period before a final closure report is submitted by June 2033. The proposed modification will be open for public comment and requires court approval since it changes the terms and schedule of the original consent decree. The public will have a 60-day period to provide comments on the consent decree modification. All comments will be considered before the modification can be finalized by the court. The comment period is over and negotiations are proceeding on CD modifications.

Implementation

The sewershed studies and the system-wide hydraulic model clearly demonstrate how the sewerage 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 September 30, 2016, 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.

5207 Roland Avenue: CCTV inspection and dye testing revealed the existence of a direct connection from the downspout to an unmapped sanitary manhole. A letter was sent to the owner on January 3, 2017.

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, 2017, 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, 2017, 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, 2017, 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, 2017, 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, 2017, 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, 2017, 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, 2017.

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 once 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, 2017, 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. The ninth annual progress report was submitted on October 13, 2015. The tenth annual progress report was submitted on October 20, 2016.

Paragraph 14: Information Management System Program

- A.** During the calendar quarter ending March 31, 2017, 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, 2017. 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. The 2015 annual updates to the ERP were submitted to the Regulators on December 8, 2015. The 2016 annual updates to the ERP were submitted to the Regulators on December 19, 2016.
- 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, 2017, 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, 2017 is provided in Appendix 5.
- B.** During the calendar quarter ending March 31, 2017, 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, 2017, 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, 2017, 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, 2017, 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 expected construction completion date was February 2015. Project is overdue, OEC is monitoring contractor progress and LD's are being assessed. 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 and the expected construction completion date was August 2013. Project is overdue, OEC is monitoring contractor progress and LD's are being assessed.

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, 2017, this contract was advertised on April 30, 2010, and bids were due on December 31, 2010. The construction NTP was issued on February 22, 2011. This project is completed.

Contract for the Improvements to the Headworks and Wet Weather Flow Equalization at Back River WWTP Project SC 918H was re-advertised, interviews occurred on March 15th and selection of CMAA team occurred on May 4, 2016. NTP was issued on July 21, 2016. SC 918H is in the pre-construction phase. Project SC 918S - Site work and relocation of the County Force main was bid on February 5, 2016 and NTP was issued on July 22, 2016. SC 918S is under construction.

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

As of the calendar quarter ending March 31, 2017 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 E CONSTRUCTION PROJECTS
As of March 31, 2017

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSSO STRUCTURES ELIMINATED	STATUS
UPPER JONES FALLS SEWERSHED							
1	Walden Run Interceptor (JP Branch) Sanitary Contract Nos. 760 & 769	1. Install approximately 960 linear feet of 30-inch parallel relief sewer from JPB48 to JP110 (along JPB04-JP104) (SC 776) 2. Install approximately 9,400 linear feet of 24- to 26-inch parallel relief sewer from JP200 to JP265 (SC 769) 3. Rehabilitate approximately 3,300 linear feet of existing 15-inch sewer from JP107 to JP200 (SC 768)	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 1,500 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. Manholes and invertium bench restoration.	June 30, 2004	December 27, 2006	12/30/2008 **	Eliminates SSO Nos. 33 and 34	SC 772 - Practical Completion was achieved on June 30, 2006 SC 824 - Construction Phase** Letter sent to MDE and EPA on 02-25-07 requesting an extension of the SSO elimination date to December 31, 2007. Extension request approved. Eliminated SSO Nos. 33 and 34 on 12/10 and 12/23/08, respectively
3	New Jones Falls Force Mani/Pressure Sewer - Lower Section and Valve Improvements of existing force/pressure sewer. Sanitary Contract Nos. SC779 & SC805	1. Replacement of approximately 1,600 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	8/30/2005 - 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 Mani/Pressure Sewer. Sanitary Contract No. 800	Upgrade existing force main/pressure sewer to handle increased flows from rehabilitated/upgraded Jones Falls Pumping Station as well as additional flows from possible future pumping stations in Stony Run and along the 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 8-11-07 requesting additional 60 day practical completion extension to December 2007. MDE response letter approving additional extension received September 5, 2007. Letter sent to MDE and EPA on 12/17/07 requesting additional 60 day extension for practical completion. Practical completion occurred on 12/29/08. 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 8-11-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension received September 5, 2007. Beneficial Occupancy achieved 11/18/07
6	Elimination of Collection System Overflows in Upper Jones Falls Sewershed Sanitary Contract No. 876	Assess hydraulics and design improvements to areas adjacent to overflows	Existing on-call contract	June 30, 2003	June 30, 2004	Eliminates SSO Nos. 20, 31, 32 and 38	Complete

Note: Shaded date cells indicate completion

APPENDIX 1
STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS
As of March 31, 2017.

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. Invert 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, 839, 839 & 847	1. Construct a 20 mgd capacity pumping station near Department of Public Works Solid Waste Site near the intersection of 26th Street and Sison Street. 2. Install approximately 1,200 linear feet of 24-inch force main from new pumping station to JFPS pressure sewer (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 & 839) June 30, 2005* (SC-839 & 847)	5/31/2009**	2/28/10***	Contributes to elimination of SSO No. 72. Eliminates SSO No. 129	Practical completion was achieved on May 29, 2009 for the lower portion of the Stony Run Interceptor (SC 839). Non-CD portion of the project is nearly complete. Flow monitor installed at new Stony Run Pump Station on August 26, 2009. The City submitted an extension request to EPA and MDE for SSO 67 and 72 dated February 16, 2010 requesting an extension to February 28, 2011. The City further submitted another extension letter dated February 15, 2010 requesting an extension to February 28, 2011 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 SSO's.
9	Maryland Avenue Interceptor (JGB Branch) Sanitary Contract No. 799	1. Replace (upsizes) approximately 4,400 linear feet of existing 12- to 24-inch sewer with new 21- to 36-inch sewer along branch interceptor, excluding proposed 801 N. Howard project area. 2. Improvements to siphon/SSO No. 125 under I-83 (JGB19-JGB19) 3. Sewer replacement may require crossing the CURL.	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 7,925 linear feet of 36 to 42-inch parallel relief sewer from Bonaparte Avenue to the High Level Interceptor on Leiper Street. 2. Upsize approximately 6,000 linear feet of 15- to 33-inch existing sewer.	December 30, 2005	11/27/07**	2/28/10***	Contributes to elimination of SSO No. 72	Construction Phase. SC 833 extension letter was sent on 12/2/07 for a 90 day extension through March 29, 2008. The extension was approved and a subsequent extension for 90 days, through June 27, 2008 was submitted. Awaiting response from MDEEPA. Practical completion achieved on May 27, 2008. Monitoring period began July 25, 2008. In a letter dated 7/10/08/2011, 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
HERRING RUN SEWERSHED							
12	Moorea Run Interceptor - Middle Section Storm Water Contract Nos. 7746 and 7721	Construction of approximately 400 linear feet of 18-inch, approximately 600 linear feet of 21-inch, approximately 4900 linear feet of 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	Moorea 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. 83 and 84	Construction Phase - Complete
14	Moorea 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. 86 and 109	Complete
16	Elimination of Siphon Blowoffs (Siphon No. 2 - Bay View Yard south of RR tracks; Siphon No. 4 - Bewleys Lane/Moreva Road) Sanitary Contract No. 850	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, 2017

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSO STRUCTURES ELIMINATED	STATUS
GWYNNS FALLS SEWERSHED							
17	Powder Mill System Improvements including G-F 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 PRA Branch Sanitary Contract No. 788, 825	Clean, inspect and rehabilitate 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	Maldens Choice Interceptor Sanitary Contract No. 828	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, 17P, 12P, 10P, 18P, 23P, 28P, 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, 65, 103, 128, 127, 128 and 131	Complete
25	Elimination of Siphon Blowoffs (Siphon Nos. 9 and 10 - east of Dueland 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 500 Units 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/IEPA. ** Approved by MDE, *** Approved by EPA

APPENDIX 2

**STATUS OF
PARAGRAPH 9
CONSTRUCTION PROJECTS**



STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of March 31, 2017

Proj. No.	PROJECT	DESCRIPTION AND REMARKS	DATE CONTRACT ADVERTISED	DATE OF CONSTRUCTION COMPLETION	DATE OF EVALUATION COMPLETION	STATUS
JONES FALLS SEWERSHED						
JF-1	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-2	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-3	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 S19CO, 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)	08/09/2010 (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 the pipe will be tracked independently by the City. Conditional Acceptance was on 11/17/10, and Final Acceptance was on 05/22/11.
JF-4	SC 895 - MD Ave Sewer Rehab	SC 895 - Repair and rehabilitation of sanitary sewer and manholes in the Maryland Ave sub-sewered of the Jones Falls Sewershed	11/04/11 (A)	05/20/2013 (A)	5/8/2014 (A)	Bids were opened on 12/14/11 and AM Luter was the lowest bidder. Contract was awarded to AM Luter on 03/21/2012. Pre-construction meeting was held on 04/11/12. Construction began June 2012. Fourth progress meeting was held on March 20, 2013. Last construction progress meeting was held on May 09, 2013. Construction completed.
JF-5	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)	8/1/2016 (A)	8/1/2017	The project was advertised on 7/27/12. The lowest bidder is Insituform Technologies. Award date is 2/8/13. Project is substantially completed by 8/1/2016.
JF-6	SC 899 - Western Run Area	Repair and rehabilitation of sanitary sewer and manholes in the Western Run Area of the Jones Falls Sewershed	7/27/2012 (A)	8/1/2016 (A)	8/1/2017	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies. Award date is 2/8/13. Project is substantially completed by 8/1/2016.
JF-7	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)	8/1/2016 (A)	8/1/2017	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies. Award date is 2/8/13. Project in liquidated damages
JF-8	SC 897R - Greenmount, Hampden and Bolton Hill	Repair and rehabilitation of sanitary sewer and manholes in the Greenmount, Hampden, and Bolton Hill areas of the Jones Falls Sewershed	3/22/2013 (A)	8/1/2016 (A)	8/1/2017	The contract was advertised on 3/22/13. The lowest bidder is Insituform Technologies. Award date is 8/28/13 and NTP issued on 2/8/14. Project in liquidated damages
OUTFALL SEWERSHED						
OF-1	Sediment Cleaning Trunk Sewers in City of Baltimore	SC 894 - Cleaning of Outfall Sewershed 89-inch and Outfall Interceptor (From N. Bond Street to 3300 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 8/8/11. 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-2	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)	8/8/2017	8/8/2018	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. Project in liquidated damages.
OF-3	SC919 - Sewer Rehab in the Outfall Sewershed	SC 919 - Sewer Rehab in the Outfall Sewershed	7/17/2015 (A)	8/14/2018	8/14/2019	The contract was advertised on 7/17/2015. Bid opening is 8/26/2015 and NTP issued on 2/26/2016

Note: Shaded date cells indicate completion.

**STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of March 31, 2017**

HIGH LEVEL SEWERSHED						
HL-1	Liberty Heights Relief Sewer	SC 879 - Design and construction 18" Relief Sewer from intersection of Springdale Rd and N Hillon St to intersection of Wabash Ave and Liberty Heights Ave (S09JU_007MH to S13UJ_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 3/2/12, but date was extended to 4/4/12. The contract was awarded on 9/25/12 to Monumental Paving and Excavating Inc. Project was finally accepted on January 2016.
HL-2	SC907 - East Baltimore Region	SC 907 - Repair and rehabilitation of sanitary sewer and manholes in the East region of the High Level Sewershed	9/22/2013 (A)	1/13/2016 (A)	1/12/2017	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 1/17/13. Project is conditionally accepted on 1/13/2016.
HL-3	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)	7/1/2016 (A)	7/1/2017	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. Project is conditionally accepted on 7/1/2016.
HL-4	SC932 - Improvements to Lower Gwynns Run Interceptor - Phase II From Franklin Street to Baltimore Street - microunmaning project	SC 932 - Improvements to Lower Gwynns Run Interceptor - Phase II From Franklin Street to Baltimore Street - microunmaning project	7/26/2013 (A)	11/25/15 (A)	11/15/16 (P)	The contract was advertised on 7/26/13. Lowest Bidder is Bn Construction. Contract was awarded on 3/12/14 and NTP issued on 5/28/14. Project was finally accepted on 11/25/2016.
HL-5	SC933 - High Level Interceptor Cleaning	SC 933 - cleaning of the High Level Interceptor	7/26/2013 (A)	12/12/2016 (A)	12/12/2017	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. Project was conditionally accepted on 12/12/2016.
HL-5	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)	6/4/2015 (A)	6/3/2016	The contract was advertised on 10/11/13. Lowest Bidder is Spiniello. Contract was awarded on 3/19/14 and NTP issued on 8/21/13. Project completed.
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)	1/20/2016 (A)	1/20/2017	The contract was advertised on 8/16/13. Lowest Bidder is AM Liner East. Contract was awarded on 2/25/14 and NTP issued on 5/14/14. Project is conditionally accepted on 1/20/2016.
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)	5/1/2017	5/1/2018	The contract was advertised on 9/6/13. Lowest Bidder is Another Construction. Due to issues with MBEN/3E, 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. Project in liquidated damages.
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)	7/6/2016 (A)	7/6/2017	The contract was advertised on 10/11/13. Lowest Bidder is Inland Construction. Contract was awarded on 9/11/2014 and NTP issued on 4/27/14. Project is conditionally accepted on 7/6/2016.
HR-4	SC937 - Improvements to Sanitary Sewers in HR07A and along Chesterfield Avenue in Herring Run Sewershed	Improvements to Sanitary Sewers in HR07A and along Chesterfield Avenue in Herring Run Sewershed	7/17/2015 (A)	6/30/2016	6/30/2019	The contract was advertised on 7/17/2015. Bid opening is 8/19/2015 and awarded to SAK.
Low Level Sewershed						
LL-1	SC922R - Low Level Interceptor Cleaning	SC 922R - cleaning of the Low Level Interceptor	1/31/2014 (P)	11/24/2015 (A)	11/30/2016 (A)	The contract was advertised on August 15, 2013. Lowest Bidder is Video Pipe Services Construction. Due to unbalanced bids, this contract was re-advised on 2/7/14. Lowest Bidder is Video Pipe Services Construction. Award date is 7/23/14. NTP issued on 10/1/2014. Project was finally accepted on 11/30/16.
LL-2	SC913 - Western Region of Low Level	SC 913 - Repair and rehabilitation of sanitary sewer and manholes in the Western Region of the Low Level Sewershed	9/20/2013 (A)	9/6/2015 (A)	10/8/2016 (A)	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. Project was finally accepted on 10/8/16.
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)	8/1/2016 (A)	9/30/2017	The contract was advertised on 9/20/13. The lowest bidder is Insuliform. Contract awarded on 1/15/14 and NTP issued on 3/7/14. Project in liquidated damages.

Note: Shaded date cells indicate completion.

**STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of March 31, 2017**

LL-4	SC914 - Improvements to Sanitary Sewers in Low Level Sewershed	SC 914 - Improvements to Sanitary Sewers in Low Level Sewershed	6/26/2015 (A)	8/18/2018	8/18/2019	The contract was advertised on 6/26/2015. Bid opening is 7/29/2015.
Gwynns Falls Sewershed						
GF-1	SC920 - South Area Gwynns Falls	SC 920 - Improvements to the Gwynns Falls Sewershed Collection System - Area A	8/8/2014 (A)	11/12/2017	11/12/2018	The contract was advertised on 8/8/14. The lowest bidder is SAK Construction. NTP was issued on 1/7/2015.
GF-2	SC939R - Maidens Choice Pressure Sewer Inspection and Uplands Sewer Rehab	SC 939R - Maidens Choice Pressure Sewer Inspection and Uplands Sewer Rehab	8/26/2015 (A)	TBD (P)	TBD (P)	The contract was advertised on 8/26/2015. Bid opening is 7/29/2015. Bid is rejected, completion date TBD.
Dundalk Sewershed						
DD-1	SC 902 - Sewer Rehab in the Dundalk	SC 902 - Sewer Rehab in the Dundalk Sewershed	3/6/2015 (A)	8/12/2017	8/12/2018	The contract was advertised on 3/6/15. Bid opening is 4/8/2015. The lowest bidder is Spinello. NTP will be issued on 10/14/2015.
Patapsco Sewershed						
PA-1	SC 903 - Sewer Rehab in the Patapsco Sewershed	SC 903 - Sewer Rehab in the Patapsco Sewershed	7/24/2015 (A)	4/3/2018	4/3/2019	The contract was advertised on 7/24/2015. Bid opening is 8/26/2015.

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
 Case No. JMC02-1524
 List of Illegal Connections

Full Address	Test ID	Person/Entity Responsible	Source Type	Date Identified	Dye Result	Current Status	Comments
1. 6251 Berkeley Ave.	1718-1	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
2. 3110 Chesapeake Ave.	2123-17	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
3. 3312 Chesapeake Ln.	2123-16	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
4. 3601 Clark Ln.	256-8-1	Property Owner	Area Drain	3/21/2005	Positive	Newly Identified	Confirmed Not Illegal
5. 2238 Crest Rd.	131A-2	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
6. 2302 Crest Rd.	131A-5	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
7. 5616 Cross Country Blvd.	95A-2	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
8. 6369 Fairlane Dr.	154-1	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
9. 6908 Faircrest Rd.	171-8-3	Property Owner	Downspout Connection	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
10. 3000 Glenville Ave.	275-8-13	Property Owner	Downspout Connection	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
11. 6309 Greenspring Ave.	153-8-5	Property Owner	Downspout	40347	Illegal	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 resolved.
12. 2212 Ivan Oak Rd.	153-8-4	Property Owner	5488 Downspout	3/28/2005	Positive	Newly Identified	Confirmed Not Illegal
13. 4416 Ivan Oak Rd.	103A-1	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
14. 5609 Ivy Ave.	50-8-4	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
15. 2504 Lantana Way Rd.	154-8-7	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
16. 5815 Lochlea Rd.	115-8-1	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
17. 4424 Marble Hill Road	Property Manager	Stormwater Drain	Illegal	4/13/2011	Illegal	Illegal	A violation notice was issued in July 2011. A meeting was held on July 28, 2011, with Marble Hill 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 flow 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 permanent.
18. 3 Millbrook Rd.	0-1	Property Owner/Trustee	Patio Drain	5/19/2011	Illegal	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.
19. 5006 Park Heights Ave.	78-8-4	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
20. 5007 Park Heights Ave.	78-8-3	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
21. 5008 Park Heights Ave.	78-8-2	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
22. 5009 Park Heights Ave.	78-8-1	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
23. 5005 Park Heights Ave.	95-8-2	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
24. 6414 Park Heights Ave.	315A-4	Property Owner	Downspout Connection	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
25. 7126 Park Heights Ave.	200-8-16	Property Owner	Area Drain	3/22/2005	Positive	Newly Identified	Confirmed Not Illegal
26. 6311 Peirce Ave.	203-8-5	Property Owner	Downspout Connection	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
27. 6106 Pennington Rd.	702-8-4	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
28. 6306 Pennington Rd.	127-8-1	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
29. 5200 Ross Ave.	30-8-1	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
30. 3208 Shellbourne Rd.	334A-12	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
31. 1702 South Rd.	320-8-6	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
32. 3117 Sudgrave Ave.	183-8-4	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
33. 2617 Tenny Rd.	183-8-7	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
34. 7001 Tenny Rd.	183-8-8	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
35. 2808 Tenny Rd.	183-8-9	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
36. 2810 W. Suttanmore Ave.	180A-15	Property Owner	Downspout	6/20/2005	Confirmed Not Illegal	Newly Identified	Confirmed Not Illegal
37. 3602 Chestnut Rd.	47-3602	Property Owner	Downspout	5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
38. 6708 Park Heights Ave.	4214	Property Owner	Downspout	5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
39. 4214 Groveland Ave.	4414	Property Owner	Downspout	5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
40. 4414 Groveland Ave.	4414	Property Owner	Downspout	5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
41. 2705 Queen Anne Ave.	579-2005	Property Owner	Downspout	5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
42. 5614 Seward Ave	Property Owner	Swimming Pool	Illegal	8/9/2011	Illegal	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.
43. 5207 Roland Ave	Property Owner	Downspout	Illegal	12/27/2016	Positive	Illegal	A letter dated 1/31/17 was sent to the property owner requesting that the drain be disconnected from the sanitary line.

APPENDIX 4

PUMPING STATION WORK ORDERS



*Civil Action No. JFM-02-1524
Calendar Quarterly Report No. 58
For Calendar Quarter Ending March 31, 2017*

Co. No.	Area	Loc.	Machine Number	Machine Description	HD Sts	Fltr Prio	Short Problem Description	Full Problem Description	Req. By	Craft Code	WO Issue Date	Wkt Typ	Sht dan
11		CLINT	991125	CLINTON ST. FORCE MAIN	25	4	13.01374	PENG-ATTEND MEETING W/CON 990.		PK	PENG	20121219	451
Total * PENC * Work Orders:													
COUNT 1													
Area * * Work Orders:													
COUNT 1													
					25	3	14.80981	BUDS/ REPAIR ROOF LEAK (5 stielperc 64972	CS	BLOC	20131021	W18	
					25	30	12.00642	BUDS/PAGE REPAIRS TO WOD in back of sta. Sullivan 6-4972	US		20110913	W08	
					25	4	13.62703	BUDS/ REPAIR LEAK ON ROOF ROOM stielperc 64972	CS		20130611	W68	
					25	4	15.00020	BUDS-BUILD STEPS FOR IPO TANK TO MAKE WORKING ON UNIT EASIER. REQ. BY H.HOONS 69701	WH		20141006	W68	
					25	4	15.62249	BUDS/ REPAIR ROOF LEAKS - see Chris stielperc) 64972	CS		20150520	W15	
					25	4	15.62554	BUDS/HA-REPAIR OR REPLACE cooler	HJ		20150626	W15	
					25	30	15.91069	BUDS/ REPAIR/REPLACE WOD stielperc 64972	CS		20150105	W15	
					25	30	16.02143	BUDS/REPAIR ROOF GEN ROOM (leak over Gen Unit) stielperc 64972	CS		20160314	W18	
					25	4	14.81697	BUDS/ REPAIR BROKEN LOCK on back door stielperc 64972	CS		20140114	W08	
					25	4	14.81940	BUDS-ROOF LEAKING ONTO EL EQUIPMENT.	JAD		20140220	W68	
					25	4	14.82463	BUDS/ REPAIR FURER VALVE toilet (leaking) stielperc 64972	CS		201406312	W71	
					25	4	14.82882	BUDS/ REPAIR DOOR KNOB , driveway John	CS		20140604	W15	
					25	4	15.81061	BUDS-SCAFFE AND PAINT STA PUMP ROOM.	CC		20150105	W26	
					25	4	15.81652	BUDS-PAINT STATION FRONT scape and paint H. Johnson 6-5194	HJ		20150302	W26	
					25	4	15.81871	BUDS- INSPECT ROOF/LEAKIN H. JOHNSON 6-4972	HJ		20150311	W18	
					25	4	15.82636	BUDS/HA-REPAIR OR REPLACE cooler	HJ		20150626	W15	
					25	2	15.81860	BUDS-SNAKE DRAIN AT PUMP REQ BY C.STIELPER 6-4972	CS		20150306	W06	
					25	30	13.62260	BUDS-GULLY HOOKS IN CO SULLIVAN 6-4972	US		20130601	W08	
					25	30	15.80621	BUDS-PIPE-TOLET LEAKING REQ BY R BARTON JR	RB1		20140924	W18	
					25	30	15.81017	BUDS/ REPAIR SCREEN ROOM stielperc 64972	CS		20141110	W08	
					25	30	15.81022	BUDS/ REPAIR POLYED CELL ALL OFFICES stielperc 64972	CS		20141114	W15	
					25	30	15.81023	BUDS/ REPAIR DOOR CLOSIN stielperc 64972	CS		20141126	W08	
					25	30	16.81106	BUDS-FIX GLASS ON FRONT D H. Johnson 6-4972	HJ		20161106	W26	
					25	30	16.82127	BUDS-REPLACE WATER FOUNTAIN WORK AT ALL. FOUNTAIN HAS NOT WORKED FOR OVER 4 YEAR	HJ		20160310	W15	
					25	30	16.82156	BUDS/ REPLACE CEILING TIL Jst fit office stielperc	CS		20160323	W15	
					25	30	16.82373	BUDS/ INSTALL WATER FOUNT stielperc 64972	CS		20160425	W15	
					25	30	16.82624	BUDS/REPAIR FLOOR TILES O office stielperc 64972	CS		20160609	W15	
					25	30	17.81649	BUDS-REPLACE CELLING TILE ceiling tiles are mold and need to be replaced it is a	VP		20170117	W02	
					25	30	17.81666	1 BUDS/BUDS-REPAIR OR REPL heater/getting no hot water)	HJ		20170131	W19	
					25	4	17.82103	BUDS-ROOF LEAKING-SECONDA ROOF BY C-STIELPER	VP		20170902	W15	
					25	4	14.81677	BUDS/ REPAIR SCREEN ROOM see Chris 64972	CS		20140106	W68	
					25	4	14.82488	BUDS/ UNLOG DRAIN LINE (stielperc 64972	CS		20140630	W15	
					25	4	15.60004	BUDS/ -PAINT OFFICE HALLS stielperc 64972	CS		20140707	W05	
					25	4	15.80020	BUDS/ REPAIR DOOR SCREEN stielperc 64972	CS		20140723	W26	
					25	4	15.80628	BUDS/ REPAIR PUMP-MOTOR AND WJ	CS		20141009	W68	
					25	4	15.81867	BUDS-PAINT PUMP-MOTOR AND WJ	HJ		20150310	W26	
					25	4	15.81868	BUDS-PAINT PUMP-MOTOR AND WJ	HJ		20150310	W26	
					25	4	15.81869	BUDS/HA-REPAIR OR REPLACE cooler	HJ		20150626	W15	
					25	4	15.82553	1 BUDS-LOH WATER PRESSURE.H H. JOHNSON 6-4972	HJ		20150708	W15	
					25	4	16.80002	BUDS-REPAIR OUTSIDE WALL. SEE HERGALL POWDER	JCH		20151207	W60	
					25	4	16.81321	BUDS/REPLACE SCREENS ON SC. door (missing) stielperc 64972	CS		20160106	W08	
					25	4	16.81635						

Co. No.	Area	Loc.	Machine Number	Machine Description	HD Sts	Prty Code	W/O Number	Short problem Description	Full Problem Description	Req. By	Craft Code	W/O Issue Date	Wk Snt Typ	Est. CIs
11	PUMPING ST	EASTER 911000	FACILITY, EASTERN AVENUE		25	4	16,82129		BUDS- REPAIR TOILET IN FR WILL NOT FLUSH	HJ	BLDG	20160310	MIS	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4	16,82132		BUDS-UNCLOGGED DRAIN AT T leading to wet well	HJ	BLDG	20160311	MIS	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4	16,82812		BUDS-CARP-MAKE TABLE FOR RED BY R BARTON JR	RBJ	BLDG	20160621	MIS	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4	16,82828		BUDS-CONSTRUCT PLANTAIN T bar screen at eastern ave p.s. see Dean 6001fo	JCM	BLDG	20160628	MIS	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4	17,80079		BUDS/ REPAIR REAR ENTRANCE (wont close completely) stielperc 64972	CS	BLDG	20160630	MIS	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4	17,80401		BUDS-TO BUILD A 10'x8" 10' transducer room because of the gases fumes are coming	HJ	BLDG	20160916	MIS	
		HELAND 961000	FACILITY, HEGLANDTOWN		25	30	17,80386		BUDS-REPAIR BROKEN WINDOW W. JOHNSON 6-4972	HJ	BLDG	20160619	MIS	
		JF 920012	METER-OVERBOARD (LEVEL		25	30	14,82473		BUDS-CARP- MAKE BOV/COVER RED BY R BARTON JR	RBJ	BLDG	20140516	MIS	
		JF 921000	FACILITY, JONES FALLS		25	30	14,82481		BUDS/REPAIR HINGE ON OFETI stielperc 64972	CS	BLDG	20140622	MIS	
		JF 920091	ELC/LOCAL CONTROL STATION		25	30	15,82347		BUDS-INSTALL FLOORING TO H RED BY C.STIELPER	CS	BLDG	20150619	MIS	
		JF 921000	FACILITY, JONES FALLS		25	30	17,81041		BUDS/UNCLOG FLOOR DRAIN FLOOR DRAIN IS STOPPED UP W/DUMMOCK 6-4972	VD	BLDG	20161103	MIS	
		JF 921000	FACILITY, JONES FALLS		25	4	13,81912		BUDS/REPAIR FRONT DUCK TC stielperc 64962	CS	BLDG	20130027	MIS	
		JF 921000	FACILITY, JONES FALLS		25	4	14,80990		BUDS/ REPAIR ROOF LEAK (vent pipe) stielperc 64972	CS	BLDG	20131021	MIS	
		JF 921000	FACILITY, JONES FALLS		25	4	14,82432		BUDS/ REPAIR OFFICE WINDOW stielperc 64972	CS	BLDG	20140423	MIS	
		JF 926702	FOUNTAIN-WATER COOLER		25	4	15,82652	1	BUDS/HR-REPAIR OR REPLACE water cooler	HJ	BLDG	20150626	MIS	
		JF 921000	FACILITY, JONES FALLS		25	4	15,89407		BUDS-REPLACE LARGE PAPER IN bathroom	HJ	BLDG	20150818	MIS	
		JF 925701	HEATER-WATER		25	4	16,81311		BUDS-REPAIR TOILET-RUNNING W. JOHNSON 6-4972	HJ	BLDG	20151202	MIS	
		JF 921000	FACILITY, JONES FALLS		25	4	16,82804		BUDS-REPLACE HOT WATER IE H. JOHNSON 6-4972	HJ	BLDG	20160607	MIS	
		JF 921000	FACILITY, JONES FALLS		25	4	16,82807		BUDS-UNCLOG ROOF DRAINING W. JOHNSON 6-4972	HJ	BLDG	20160609	MIS	
		JF 921000	FACILITY, JONES FALLS		25	4	16,82829		BUDS-BUILD PLATFORM FOR B at Jones falls p.s. see Dean 6001fo	JCM	BLDG	20160628	MIS	
		JF 921000	FACILITY, JONES FALLS		25	4	17,80377		BUDS-REPAIR TOILET KEEP R PLAY WITH THE HANDLE TO STOP IT FROM RUN	HJ	BLDG	20160629	MIS	
		JF 921000	FACILITY, JONES FALLS		25	4	17,81288		BUDS-UNCLOG ROOF DRAINING W. JOHNSON 6-4972	HJ	BLDG	20161227	MIS	
		LOCP0 985000	FACILITY, LOQUIST POINT		25	30	12,80836		BUDS-CLIMBER BLOCKS APART door frame. Sullivan 6-4972	US	BLDG	20110913	MIS	
		LOCP0 985000	FACILITY, LOQUIST POINT		25	4	14,82487		BUDS/REPLACE TOILET (CIRC stielperc 64972	CS	BLDG	20140530	MIS	
		LOCP0 985000	FACILITY, LOQUIST POINT		25	4	16,80006	1	BUDS-FOUNTAIN-WATER(BRIDGE W. JOHNSON 6-4972	HJ	BLDG	20150708	MIS	
		PEST 976000	FACILITY, MCCOMBS		25	30	16,80009		BUDS-1ST FLOOR DRAIN CLOG RED BY C.STIELPER	CS	BLDG	20150709	MIS	
		QUAD 931000	FACILITY, QUAD AVENUE		25	30	17,82133		BUDS-REPAIR SCREEN-ROOM D doors coming off the hinges vdmock 6-4972	VD	BLDG	20170313	MIS	
		QUAD 935806	FOUNTAIN-WATER		25	4	15,82657	1	BUDS/HR-REPAIR OR REPLACE cooler	HJ	BLDG	20150626	MIS	
		QUAD 931000	FACILITY, QUAD AVENUE		25	4	17,81650		BUDS-REPAIR SCREEN DOORS. coming off the hinges	HJ	BLDG	20170119	MIS	
		WESTPT 971000	FACILITY, WESTPORT		25	4	13,80582		BUDS-RAIN SPOUTS NEED REP stielperc c 64972	CS	BLDG	20120628	MIS	
		WESTPT 971000	FACILITY, WESTPORT		25	4	15,83555	1	BUDS/HR-REPAIR OR REPLACE cooler	HJ	BLDG	20150626	MIS	

Total * BLDG * Work Orders:
COUNT 72

DUMMAL 947507	FAN-FE-4 EXHAUST (ROOF)	25	30	17,80361			BLDG'S/ REPLACE MISSING PH panel for exhaust fan stielperc 64972	CS	BLDG	20160815	MIS		
DUMMAL 941000	FACILITY, DUMMALK PUMPING	25	4	16,81880			BLDG'S-REPAIR SPINE BREAKER RED. BY J. HARRCK 6-9700	JCM	BLDG	20160204	MIS		
DUMMAL 943101	SCREEN-#1 BAR	25	4	17,81654	1		BLDG'S/CHPS CHECK REASON # 1 barscreen stuck in wetwell channel vdmock 6-4972	VD	BLDG	20170125	MIS		
EASTER 916909	VALVE-GH-9 GATE(VAULT-C*)	25	30	16,80640			BLDG'S/ REPAIR REPLACE VAL (HQA not working) stielperc 64972	CS	BLDG	20150902	MIS		
EASTER 916910	VALVE-GH-10 GATE(VAULT-C*)	25	30	16,80641			BLDG'S/ REPAIR OR REPLACE (HQA not working) stielperc 64972	CS	BLDG	20150902	MIS		
EASTER 916901	VALVE-GH-1 GATE(VAULT #1)	25	30	16,80642			BLDG'S/ REPAIR REPLACE VAL (HQA not working) stielperc 64972	CS	BLDG	20150902	MIS		
EASTER 911000	FACILITY, EASTERN AVENUE	25	30	16,80646			BLDG'S/ REPAIR VALVE OPERA (HQA switches not working) stielperc 64972	CS	BLDG	20150902	MIS		
EASTER 917110	PUMP-SUPP - A' (C-VAULT)	25	30	17,00023			BLDG'S/REPAIR PUMP NOT WORK stielperc 64972	CS	BLDG	20160725	MIS		
EASTER 917302	CRANE-MONORAIL (5 TON)	25	30	17,80355			BLDG'S-REPAIR HIDE on the monorail crane in the screen room	CS	BLDG	20160811	MIS		
EASTER 914801	HEATER-HOT WATER	25	30	17,81666	2		BLDG'S-BLDG-REPAIR OR REPL heater (getting no hot water)	HJ	BLDG	20170131	MIS		
EASTER 911000	FACILITY, EASTERN AVENUE	25	4	16,81334			BLDG'S-REPLACE LIGHTS IN P ceiling, 13 light are out	HJ	BLDG	20151214	MIS		
EASTER 915412	HEATER-UNIT #12(PUMP FLY)	25	4	17,81646			BLDG'S-CHECK TO SEE WHY HE HEATERS WILL NOT COME ON AND ONE HEATER PHASES A LOT OF NOISE WD	HJ	BLDG	20170112	MIS		
EASTER 916501	MOTOR CONTROL CENTER (MCC	25	4	17,81638			BLDG'S-PUC IS IN SECONDARY need this problem investigated	HJ	BLDG	20170209	MIS		
EASTER 911101	PUMP-SKANCE #1	25	4	17,82149			BLDG'S-TO CLEAR UP LOSS OF m #1 pump. alarm stopping pump from starting.	HJ	BLDG	20170328	MIS		
HELAND 951000	FACILITY, HEGLANDTOWN	25	30	17,00024	1		GENES/ BLDG'S DELIVER GEN station for eng use stielperc 64972	CS	BLDG	20160726	MIS		

Co. No.	Area	Loc.	Machine Number	Machine Description	WO Sts	Prty Code	WO Number	Short problem Description	Full Problem Description	Req. By	Craft Code	WO Issue Date	WO Sht Typ
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11	PUMPING ST	JF	925001	GENERATOR, EMERGENCY SET	25	4	17-81236		ELCS-RESET A/C ALARM ON INVESTIGATE THE CAUSE OF LOW A/C ALARM OR RESET W/WORK 6-4	WJ	ELCS	20170105	W41
		JF	920018	BUBBLER, (METHWELL)	25	4	17-81834		ELCS-REPLACE FLART IN ME bed	CS	ELCS	20170026	W15
		STROIN	891135	PUMP, HOT WELL, SUPP. (OUTST)	25	4	16-80661	1	ELCS/THIPS- REPAIR PUMP (clogged) stielperc 64972	CS	ELCS	20160921	W35

Total • ELCS • Work Orders:
COUNT 19

			COLGAT 949202	MOTOR, STORM DRAIN PUMP	25	4	12-80554	2	ELCS/ELCS-REPLACE BEARIN requester r slayton 6-9762	RLS	ELCS	20110624	W15
			EASER 911000	FACILITY, EASTERN AVENUE	25	4	12-81831		ELCS-REPAIR PHONE LINE 41-410-356-9572 stielperc	CS	CS	20111212	W44
			EASER 911000	FACILITY, EASTERN AVENUE	25	4	12-82123	1	ELCS-INVESTIGATE POSSIBLE a well small well mounted heater/dtr is 64972	CS	CS	20120124	W44
			HILAND 961000	FACILITY, HIGHLANDTOWN	25	4	12-81856		ELCS- REPAIR PHONE LINE (410-356-7288-no exchange stielperc 64972	CS	CS	20120103	W44
		JF	921000	FACILITY, JONES FALLS	25	4	11-81960		ELCS- INSPECT PHONE JACK office stielperc 64972	CS	CS	20101108	W44
		JF	921000	FACILITY, JONES FALLS	25	4	11-83151		ELCS-REPAIR TO CHECK PRO stielperc 64972	CS	CS	20110411	W44
		OWD	897138	SYSTEM, SCADA	25	4	11-80685	1	OPSEK/ RESTORE COMMUNICAT stielperc 64972	CS	CS	20100722	W44
		OWD	182100	SWITCH, MAIN	25	4	12-80185		ELCS-REPLACE REDUOR VOLTA at quad ave for J&K transformer	DTS	DTS	20110727	W22
		WSTPT	571000	FACILITY, WESTPORT	25	4	12-82734		ELCS-REPAIR TO STALONTO communication line 410-356-7514---cstielperc 64972	CS	CS	20120321	W44

Total • ELCS • Work Orders:
COUNT 9

			CAROL 985300	FACILITY, CAROLINE ST. P. S.	25	30	16-80651		GRDS / VAC CON TO CLEAN stielperc 64972	CS	GRDS	20150910	W45
			CAROL 985300	FACILITY, CAROLINE ST. P. S.	25	30	16-80883		GRDS-VAC TRUCK TO CLEAN stielperc 64972	CS	CS	20151005	W45
			CAROL 985302	PUMP, STORM DRAIN #2	25	4	16-80875		GRDS-REPOSITION PMP TO S SEE KETTY BAYMOR, RED BY J. MAROOK 6-5748	JCH	JCH	20170109	W44
			DUNDAL 941203	MOTOR, SEWAGE PUMP #3	25	2	17-81301		GRDS/ BOOM TRUCK TO DELI DUNDAL stielperc 64972	CS	CS	20170109	W44
			DUNDAL 941004	FACILITY, DUNDALK PUMPING	25	4	16-81877		GRDS-BOOM TRUCK TO STATION, RED. BY H. HOOKS 69733	WJ	WJ	20160004	W44
			DUNDAL 919034	DUMPESTER, (NORTH)	25	30	15-82120		GRDS-NEED VAC-ALL TRUCK wastport screen room dumpster (dumpster full)	HJ	HJ	20150424	W15
			EASER 911000	FACILITY, EASTERN AVENUE	25	30	17-81250		GRDS- NEED TRUCK TO REDO from lot and deliver to BR stielperc 64972	CS	CS	20170103	W44
			EASER 919034	DUMPESTER, (NORTH)	25	30	17-81645		GRDS-REMOVE DUMPESTER FROM DUMPESTER NEEDS TO BE TAKEN TO BACK RIVER DUMP W/WORKING-64972	VD	VD	20170112	W44
			EASER 911104	PUMP, SEWAGE #4	25	4	16-80026		GRDS-BOOM TRUCK TO DELIVE EMBLY TO EASTERN AVE. P.S. DUE DATE OF 7/22/15. RED. BY H. HOOKS	HR	HR	20160726	W44
			HILAND 961000	FACILITY, HIGHLANDTOWN	25	30	17-00024	2	GRDS/ ELCS DELIVER GEN station for emp use stielperc 64972	CS	CS	20160726	W44
		JF	921000	FACILITY, JONES FALLS	25	4	17-80403		GRDS-ASSISTANCE WITH BOOM TO TRANSPORT SCREEN ASS. TO STATION, RED. BY H. HOOKS 65733	WJ	WJ	20160921	W44
		STROIN	891134	PUMP, RAW SEWAGE #4 W/OTO	25	4	17-81085		GRDS-DELIVER MOTOR TO TBA req & rayon	KCR	KCR	20161206	W44
		WSTPT	572707	DUMPESTER, #1	25	30	17-82132		GRDS-REPAIR DUMPESTER NEEDS T dumpster needs to be vac-hauled out w/urmock 6-4972	VD	VD	20170313	W44
		WSTPT	572708	DUMPESTER, #2	25	4	17-80827		GRDS-VAC TRUCK TO CLEAN stielperc 64972	CS	CS	20161102	W45

Total • GRDS • Work Orders:
COUNT 14

			BROLYN 965301	FAN, #1 EXHAUSTION ROOF RD	25	4	15-81029		HA-REPLACE BELT RED. BY J. MAROOK 6-9748	JCH	HA	20141124	W46
			BROLYN 967701	FOUNTAIN, DRINKING WATER	25	4	15-82654	2	BLDS/HK-REPAIR OR REPLACE cooler	HJ	HJ	20160626	W15
			CAROL 985603	AIR CONDITIONER (WINDOW)	25	30	15-82246		HA/ REPLACE AC UNIT 1604 stielperc 64972	CS	CS	20150618	W15
			CAROL 985603	AIR CONDITIONER (WINDOW)	25	30	16-80378		HA/ REPLACE A/C UNIT (HO stielperc 64972	CS	CS	20160904	W15
			DUNDAL 947807	FAN, #1-4 EXHAUST (ROOF)	25	30	16-80020		HA-HOT WORKING NO AIR stielperc 6 4972	CS	CS	20160715	W15
			DUNDAL 947803	FOUNTAIN, WATER	25	4	15-82656	2	BLDS/HK-REPAIR OR REPLACE cooler	HJ	HJ	20150626	W15
			EASER 915308	FAN-EXHAUST (EAST)	25	30	14-80009		HA/ELCS/REPAIR UNIT KEEP stielperc 64972	CS	CS	20130717	W21
			EASER 915310	FAN-EXHAUST	25	30	14-80012	2	HA/ELCS/REPAIR UNIT KEEP stielperc 64972	CS	CS	20130717	W21
			EASER 915417	AIR HANDLING UNIT AND CHL	25	30	16-80389	1	HA/PENG- REPAIR SHUTTING D stielperc 64972	CS	CS	20160911	W19
			EASER 915417	AIR HANDLING UNIT AND CHL	25	30	16-82657	1	HA/PENG- REPAIR CHILLER (no control power) stielperc 64972	CS	CS	20160931	W19
			EASER 915501	FAN-EXHAUST #1	25	30	15-82821	2	HA/ELCS-ADJUST BELT, REPA joint.	CS	CS	20160621	W46
			EASER 915503	FAN-EXHAUST	25	4	13-82715		HA-REPAIR FAN (TRIPPED) 0 load-stielperc 64972	CS	CS	20130618	W21

Continued Backlog Report
C/S & R/O's
Back River, PS & Misc.

10:--> BACKLOG
as of 04/04/17
Status 10 & 23

Co. No.	Area	Loc.	Machine Number	Machine Description	HO Sts	PIOR Code	H/O Number	Short Problem Description	Full Problem Description	Req. By	Craft Code	HO Issue Date	Wk Sht Typ	Chn Cls
11	PUMPING ST	EASTER	915404	HEATER UNIT #4(RUPP FLK)	25	4	13,82722	HA/REPAIR LEAKING HEATER	stielperc 64972	CS	HA	20130624	W19	
			EASTER 915413	HEATER UNIT #1	25	4	14,81698	ELCPS/HA-REPAIR HEATER ON	stielperc 64972	CS		20140124	W15	
			EASTER 915414	HEATER UNIT #2	25	4	14,81699	ELCPS/HA-REPAIR HEATING F	stielperc 64972	CS		20140124	W15	
			EASTER 915415	HEATER UNIT #3(3RD FLOOR)	25	4	15,81629	HA-REPLACE HEAT/AC UNIT 1	stielperc 64972	CS		20150205	W19	
			EASTER 911818	FOUNTAIN/WATER	25	4	15,82553	BLUS/HA-REPAIR OR REPLACE	cooler	WJ		20150626	W15	
			EASTER 911000	FACILITY/EASTER AVENUE	25	4	15,82670	HA -REPAIR DRAIN LINE O	OFFICE	WJ		20150630	K09	
			EASTER 919603	MK-CHE-ICE W/FILTERS	25	4	16,80873	HA-REPAIR ICE MAKER-NOT	H. JOHNSON 6-4972	WJ		20151002	W19	
			EASTER 915101	BOILER #1	25	4	16,80882	HA-REPLACE PRESSURE RELIE	valve is bad	WJ		20151005	W15	
			EASTER 915201	PUMP-RECIRC. #1(BOILER)	25	4	16,81689	HA/ADJUST FAN BELT ON #1	to verify lose	CS		20160105	W15	
			EASTER 915501	FAN-EXHAUST #1	25	4	16,82372	HA/ELCPS-REPAIR FAN FLOOD	stielperc 64972	CS		20160421	W25	
			JF 927301	CONDENSING UNIT (ROOF ABON	25	30	16,82536	HA/REPAIR A/C UNIT VFD B	not working stielperc 64972	WJ		20160531	W15	
			JF 927301	CONDENSING UNIT (ROOF ABON	25	30	17,00013	HA-REPAIR AC IN CONTROL R	H. JOHNSON 6-4972	WJ		20160713	W19	
			JF 927301	CONDENSING UNIT (ROOF ABON	25	30	17,00013	HA-REPAIR AC IN CONTROL R	H. JOHNSON 6-4972	WJ		20170131	W65	
			JF 926702	FOUNTAIN/WATER COOLER	25	4	17,81663	HA/ADJUST FAN BELT ON #1	to verify lose	CS		20150626	W15	
			LOPO 985000	FACILITY/LOUST POINT	25	4	15,82552	BLUS/HA-REPAIR OR REPLACE	water cooler	WJ		20150626	W15	
			PEST 976301	FOUNTAIN/WATER	25	4	16,80006	BLUS-FOUNTAIN-WATER(BROOKS	H. JOHNSON 6-4972	WJ		20150708	W15	
			PEST 976301	FOUNTAIN/WATER	25	4	16,80006	HA -WATER NOT COLD	H. JOHNSON 6-4972	WJ		20150708	W19	
			QIHO 935906	FOUNTAIN/WATER	25	4	15,82557	BLUS/HA-REPAIR OR REPLACE	cooler	WJ		20150626	W15	
			STEIN 991152	UNIT-ATRAHALLING #2	25	4	15,82019	HA/ADJUST BELT ON FAN FOR	stielperc 6-4972	CS		20150417	W25	
			STEIN 991151	UNIT-ATRAHALLING #1	25	4	17,00004	HA/ADJUST BELT ON FAN FOR	stielperc 64972	CS		20160705	W66	
			WSTPT 971000	FACILITY/WESTPORT	25	4	15,82555	BLUS/HA-REPAIR OR REPLACE	cooler	WJ		20150626	W15	

Total * HA * Work Orders:
COUNT 33

Co. No.	Area	Loc.	Machine Number	Machine Description	HO Sts	PIOR Code	H/O Number	Short Problem Description	Full Problem Description	Req. By	Craft Code	HO Issue Date	Wk Sht Typ	Chn Cls
BROUW			955311	UPS-SYSTEM	25	30	17,82110	INSPS- REPLACE BATTERY IN	(low) stielperc 64972	CS	INSP'S	20170306	W15	
CAROL			985301	PUMP-STORM DRAIN #1	25	30	15,82260	ELCPS/ INSPS-INVESTIGATE	(over temp/over temp) when running for extended time stielperc	CS		20150620	W51	
CAROL			985705	SYSTEM-BUBBLER	25	30	16,81336	INSPS/ REPAIR LEVEL CONTR	(failure reading) 64972	CS		20151217	W15	
CAROL			985701	CONTROLLER, PUMP, #1	25	4	15,81464	1 INSPS/OPSDI-INVESTIGATE	C not working in auto-stielperc 64972	CS		20150202	W21	
CAROL			985710	CONTROL-PLC	25	4	16,80684	INSPS-PLC SCREEN HAS ON	P. H. JOHNSON 6-4972	WJ		20151007	W21	
CAROL			985806	RECORDER-CHART-HEWLELL	25	4	16,81135	INSPS-CHECK RECORDER, NOT	H. JOHNSON 6-4972	WJ		20151124	W21	
CAROL			985805	RECORDER-CHART-HEWLELL	25	4	17,81277	INSPS-REPLACE MFT ON REC'D	H. JOHNSON 6-4972	WJ		20161219	W15	
CAROL			985710	CONTROL-PLC	25	4	17,81283	2 INSPS/ELCPS-CHECK PLC COM	H. JOHNSON 6-4972	WJ		20161223	W21	
DUNBAR			948103	CONTROL-VFD #2 SEWAGE PUM	25	30	15,82229	2 OPSEX/INSPS/ELCPS-REPAIR	GROUND FAULT-stielperc 64972	CS		20150605	W41	
DUNBAR			940017	CONTROL-VFD #2 SEWAGE PUM	25	30	16,81113	INSPS/REPAIR DRIVE FAULT	stielperc 64972	CS		20151112	W41	
DUNBAR			940002	FLOW INDICATING RECORDER/	25	4	13,62594	INSPS- CHECK FOR PROPER O	RED BY R. BARTON JR	REJ		20130607	W88	
DUNBAR			940002	FLOW INDICATING RECORDER/	25	4	14,80527	INSPS/ REPAIR UNIT NOT HO	stielperc 6-4972	CS		20130612	W15	
DUNBAR			940018	MONITOR-GAS	25	4	14,82194	INSPS/REPAIR CHART PEN HO	stielperc 64972	CS		20140314	W15	
DUNBAR			940006	RECORDER-NET HELL BUBBLER	25	4	15,81463	INSPS- REPLACE BAD SENSOR	RED BY R. BARTON JR	REJ		20130116	W15	
DUNBAR			940081	UNIT-20BAR #2-BASCREEN	25	4	15,82013	INSPS-REPLACE PEN CARTRIDGE	recorder(cartridge out of ink)	WJ		20150413	W15	
DUNBAR			940006	RECORDER-NET HELL BUBBLER	25	4	15,82034	INSPS-INSTALL NEW ULTRASO	H. JOHNSON 6-4972	WJ		20150430	W15	
DUNBAR			948626	PANEL-SCREEN RT-GAS ALARM	25	4	15,82525	INSPS/ CHANGE RECORDER TO	stielperc 64972	CS		20150604	W15	
EASTER			919509	SYSTEM-SCADA	25	30	17,82153	INSPS-REPLACE GAS DETECTOR	replace gas detector not working volumetric 6-5194	WJ		20170331	W15	
EASTER			910018	ATMOSPHERE ANALYZER	25	30	15,82583	INSPS/ RESTORE COMMUNICAT	station (off line) stielperc 64972	CS		20150621	W44	
EASTER			910009	TRANSMITTER, PRESSURE	25	30	16,82577	INSPS/ REPLACE OZ SENSOR	(not reading) stielperc 64972	CS		20160510	W15	
EASTER			910017	COMBUSTIBLE GAS ALARM	25	4	17,00003	INSPS/ REPLACE TRANSDUCE	readings stielperc 6 5194	CS		20160705	W15	
EASTER			910017	COMBUSTIBLE GAS ALARM	25	4	12,80543	INSPS/ REPAIR PETER NOT H	stielperc 64972	CS		20110819	W23	
EASTER			913102	SCREEN-BAR (SOUTH)	25	4	13,80631	INSPS- CHECK FOR PROPER O	RED BY R. BARTON JR	REJ		20121004	W23	
EASTER			910010	CONTROLLER-PROGRAMMABLE	25	4	16,80685	2 INSPS/ELCPS-SOUTH RAME HI	RUN. H. JOHNSON 6-4972	WJ		20151009	W23	
EASTER			910010	CONTROLLER-PROGRAMMABLE	25	4	17,80381	INSPS/ REPLACE BATTERY IN	PLC stielperc 64972	CS		20160630	W15	

Co. No.	Area	Loc.	Machine Number	Machine Description	WO Sts	Plnr Pkty Code	WO Number	Short Problem Description	Full Problem Description	Req. By	Craft Code	WO Issue Date	Wkly Sht Typ	Est. Cts
11	PUMPING ST	EASTER 910010	CONTROLLER, PROGRAMMABLE		25	4	17.81063	INSPS-REPLACE BATTERY ON battery low on ups unit needs to be replaced voltmock 6-4972		WD	INSPS	20161122	WIS	
		EASTER 910008	RELEASER, PRESSURE		25	4	17.82154	INSPS-REPAIR OR REPLACE A sol. is loss on pressure recorder voltmock 6-4972		WD		20170403	WIS	
		FTWC 902203	SYSTEM, SCADA, MODEN		25	3D	17.82113	INSPS-REPROGRAM MODEN moden needs to be reprogrammed voltmock 6-5194		WD		20170306	W44	
		FTWC 920000	FACILITY, FORT POWEREY		25	4	17.82130	INSPS-INSPECT SCADA FOR D scada system has no dial tone voltmock 6-4972		WD		20161118	W44	
		JF 920005	CONTROLLER, PROGRAMMABLE		25	3D	15.80033	2 INSPS/ELPCS MAKE REPAIRS/ OIT SCREEN /PLC-STIELEPERC 64972		CS		20140808	WIS	
		JF 920301	GENERATOR, EMERGENCY SET		25	3D	16.80014	2 INSPS/ ELPCS- INVESTIGATE beveler 52-c fault) stieleperc 64972		CS		20150620	W61	
		JF 920091	PLC/LOCAL CONTROL STATION		25	3D	16.80030	INSPS/RESTORE BACK UP FLO to control scheme stieleperc c 64972		CS		20150901	W23	
		JF 920006	VPD-44 SERVICE PUMP (C7890)		25	3D	16.80673	INSPS-REPAIR FAULT, HOAT. REO BY C-STIELEPER		CS		20150925	W41	
		JF 920018	BIBBLER, (METHELL)		25	4	12.81514	INSPS/ INSPECT FOR PROPER stieleperc 64972		CS		20111123	W88	
		JF 920012	PETER, OVERBOARD (LEBEL)		25	4	14.82482	INSPS- REPLACE BAD UNIT REO BY R BARTON JR		CS		20140623	WIS	
		JF 920018	BIBBLER, (METHELL)		25	4	16.81332	INSPS/ VERIFY LEVEL. READ stieleperc 64972		CS		20151211	WIS	
		LOCP0 966029	BIBBLER, SYSTEM		25	3D	16.80036	INSPS-REPAIR OR REPLACE C oro pressure) stieleperc 64972		CS		20150727	W21	
		LOCP0 966000	FACILITY, LOCUST POINT		25	4	17.81068	INSPS-REPLACE BATTERY ON low battery on ups unit needs to be replaced voltmock 6-4972		WD		20161122	WIS	
		LOCP0 966017	MONITOR, MULTI-GAS SYSTEM		25	4	17.81837	INSPS-REPAIR GAS METER (NO H. JOHNSON 6-4972		WJ		20170209	W21	
		LOCP0 966001	PETER, MAGNETIC		25	4	17.82138	INSPS/ELPCS-REPLACE PMG IN H. JOHNSON 6-4972		WJ		20170321	WIS	
		LOCP0 966021	SCADA		25	4	17.82159	INSPS-REPAIR MODEN STATUS communicating		WJ		20170329	WIS	
		LOCP0 967301	ALARM, COMBUSTIBLE GAS		25	4	17.82152	INSPS-REPLACE GAS DETECTOR replace gas detector not working voltmock 6-5194		WD		20170331	WIS	
		PLST 979003	CONTROLLER, PROGRAMMABLE		25	3D	17.82137	INSPS-CORRECT PLC MALFUNCTION to see Chris (run fish tape out) 64972		CS		20170320	W21	
		PLST 979004	UPS, SYSTEM		25	3D	17.82144	INSPS/REPLACE BATTERY TO stieleperc 64972		CS		20170323	WIS	
		PLST 979017	MONITOR, MULTI-GAS SYSTEM		25	4	13.80630	INSPS-CHECK FOR PROPER OP REO BY R BARTON JR		RBQ		20121003	W88	
		PLST 979029	BIBBLER		25	4	13.81306	INSPS/ REPAIR LEAK (BLEED stieleperc 64972		CS		20130327	W18	
		PLST 979017	MONITOR, MULTI-GAS SYSTEM		25	4	16.80023	INSPS-CHECK GAS METER ALA CLEAR.		WJ		20150716	W41	
		PLST 977807	PANEL, TELEPHONE		25	4	16.80094	INSPS-VERIFY COMDUIT to see Chris (run fish tape out) 64972		CS		20151028	WIS	
		PLST 976017	MONITOR, MULTI-GAS SYSTEM		25	4	16.81679	INSPS-CHECK GAS METER, ALA OF		CS		20150204	WIS	
		PLST 975017	MONITOR, MULTI-GAS SYSTEM		25	4	17.80852	INSPS/ INSPECT UNIT OPERA Alara vent clear 64972		CS		20160804	WIS	
		PLST 979000	FACILITY, VICOMIS		25	4	17.81843	INSPS-REMOVE WIRE FOR LOW voltmock 6-4972		WD		20170216	WIS	
		QIAD 930003	CONTROLLER, PROGRAMMABLE		25	3D	17.80354	INSPS/REPAIR THE OIT SCORE stieleperc 64972		CS		20160810	WIS	
		QIAD 930002	FLOW INDICATING REDUND/		25	4	14.82195	INSPS/REPAIR CHART PEN NO stieleperc 64972		CS		20140314	WIS	
		QIAD 930017	DETECTOR, BAR SCREEN GAS		25	4	15.81043	INSPS- REPLACE BAD PEN/TO REO BY R BARTON JR		RBQ		20141209	WIS	
		QIAD 930002	FLOW INDICATING REDUND/		25	4	16.81890	INSPS-HOT ON RECORDER NOT H. JOHNSON 6-4972		WJ		20160216	W23	
		QIAD 930018	DETECTOR, MET WELL GAS		25	4	16.82277	INSPS/ MAKE NECESSARY REP (not working) stieleperc 64972		CS		20160427	WIS	
		QIAD 930018	DETECTOR, MET WELL GAS		25	4	17.82151	INSPS-REPLACE GAS DETECTOR replace gas detector not working voltmock 65194		CS		20170331	WIS	
		STRON 991167	PANEL, VFD CONTROL #1 (OSP)		25	3D	15.82015	2 INSPS/ELPCS-REPAIR FAULT (f-8 over temp) stieleperc 64972		CS		20150416	WIS	
		STRON 991167	PANEL, VFD CONTROL #1 (OSP)		25	3D	15.82016	2 INSPS/ELPCS-REPAIR FAULT (f-9 over temp) stieleperc 64972		CS		20150416	WIS	
		STRON 991171	PETER, FLOW METER		25	4	12.80847	INSPS/INSPECT FOR OPERATI stieleperc 64972		CS		20110916	W36	
		STRON 991174	PANEL, PLC		25	4	14.82654	INSPS/ TROUBLE SHOOT PLC stieleperc 64972		CS		20110916	W36	
		STRON 991203	PETER, INELUENT FLOW		25	4	16.80663	INSPS/ TROUBLE SHOOT PLC stieleperc 64972		CS		20140605	WIS	
		451PTT 970003	CONTROLLER, PROGRAMMABLE (PL		25	3D	17.82108	2 INSPS-INSPS- INSPECT PUMP in PLC cabinet stieleperc 64972		CS		20150622	WIS	
		451PTT 971000	FACILITY, WESTPORT		25	4	17.82102	INSPS-CHECK THE UPS UNIT the ups unit battery light is on indicating it needs to be		WD		20170302	WIS	

Total * INSPS * Work Orders:
COUNT 64

DUNWAL 940001 METER, FLOW TRANSMITTER 25 3D 13.80022 INST-TO ORDER DP TRANSMITTR FOR REPLACEMENT. SEE C.Wells/R. Barton 6-3744
QIAD 930018 DETECTOR, MET WELL GAS 25 4 17.82151 INSP-REPLACE GAS DETECTOR replace gas detector not working voltmock 65194

Total * INST * Work Orders:
COUNT 2

DUNWAL 941102 PUMP, SERVICE #2 25 4 17.00019 MCFAB-REPAIR MBR RINGWISE W.ROOKS 69733

WJ MCFAB 20160719 W69

Co. No.	Area	Loc.	Machine No.	Machine Description	HD	Sts	Prty Code	Prbr Code	W/O Number	Short Problem Description	Full Problem Description	Req. By	HD Issue Date	Wk Typ	Sat Date
11	PUMPING ST	EASTER 8414	TRAILER, GROSS		25	4		17.00065		PU/ REPAIR BENT TRAILER J stielperc 64972		CS	20160706	WIS	
		EASTER 91903A	DUMPER, (NORTH)		25	4		17.00020		REPAIR-REPLACE ALL FOUR TIRES H. JOHNSON 6-4872		HJ	20160719	H39	
		EASTER 91903S	DUMPER, (SOUTH)		25	4		17.00021		REPAIR-REPAIR WHEELS, HILL, H. JOHNSON 6-4872		HJ	20160719	H39	
		EASTER 91103	PUMP, SEWAGE #3		25	4		17.80624		REPAIR-REPAIR STUFFING BOX (losing vacuum) valmrook 64972		VD	20161101	K52	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4		17.82112		REPAIR-FABRICATE CALLNET F air condition system to hide pipes in front office		HJ	20170308	H31	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4		17.82147		REPAIR-REPAIR VALVE KEYS F BY H. HOOKS 65733		HJ	20170328	H35	
		JF 924302	DRIVE, #2 BAR SCREEN		25	4		16.81721		REPAIR-FABRICATE NEW SHIRT RED. BY H. HOOKS 65733		HJ	20160127	H54	
		JF 924301	DRIVE, #1 BAR SCREEN		25	4		17.81056		REPAIR-MAKE SIX SHIRT S FOR THE STATION, RED. BY H. HOOKS 65733 (SEE WAL7)		HJ	20161114	K54	
		JF 925732	DUMPER, JF2002/SCREEN P1		25	4		17.81285		REPAIR-REPLACE WHEEL, CONTIN H. JOHNSON 6-4872		HJ	20161227	H15	

Total * MCPS * Work Orders:
COUNT 10

BURLIN 928801	TANK, HYDROPHOBIC SEAL	25	4	14.80566	2	MCPS/ELCS-CHECK SYSTEM pressure, stielperc 64972	CS	MCPS	20131000	H08	
COLANT 949102	PUMP, STORM DRAIN(EAST)W/R	25	30	16.81326		MCPS/CHECK GEAR BOX FOR (very noisy) stielperc 64972	CS	CS	20151208	H15	
COLANT 949100	FACILITY, COLGATE PUMP STR	25	4	14.82410		MCPS/INSTALL TEMPERARY H to station) stielperc 64972	CS	CS	20140402	H15	
DUNBAL 941102	PUMP, SEWAGE #2	25	30	16.81345		MCPS-REPAIR #2 PUMP MECH blow apart	HJ	HJ	20151230	K52	
DUNBAL 946201	GENERATOR, EMERGENCY,	25	4	14.80810		MCPS/ INSPECT FOR AMT F stielperc 64972	CS	CS	20130623	H18	
DUNBAL 944901	STRAINER, VACUUM PUMP #1&2	25	4	14.81936		MCPS/ REPLACE VAC VALVES meters-stielperc 64972	CS	CS	20146212	H15	
DUNBAL 941000	FACILITY, DUNBAL PUMPING	25	4	15.81635		MCPS-PUMP OUT VALVE FOR E. RED. BY H. HOOKS 65738	HJ	HJ	20150210	H15	
DUNBAL 941103	PUMP, SEWAGE #3	25	4	15.81885		MCPS-REBUILD SPARE PUMP, 65738	HJ	HJ	20150225	K27	
DUNBAL 946302	PUMP, SUMP #2	25	4	15.82632	2	MCPS/ELCS CHECK REASON #1 bar screen stuck in wetwell channel valmrook 6-4872	HJ	HJ	20150609		
DUNBAL 943101	SCREEN, #1 BAR	25	4	17.81659	3	MCPS/ELCS CHECK REASON #1 bar screen stuck in wetwell channel valmrook 6-4872	VD	VD	20170125	H15	
EASTER 911101	PUMP, SEWAGE #1	25	4	15.81030		MCPS/ CHECK OIL IN BEAR) stielperc 64972	CS	CS	20141125	H15	
EASTER 919026	PLUM, SNOW #1	25	4	15.81022		MCPS/ ASSIST OPERATIONS stielperc 64972	CS	CS	20141125	H15	
EASTER 919023	PLUM, RIDING GRANULEY LIN S	25	4	16.81116		MCPS/ MONITORIZE TRACTOR stielperc 64972	CS	CS	20151113	K65	
EASTER 9414	TRAILER, GROSS	25	4	16.82806		MCPS-INSTALL A WRENCH ON attention; Walter Hooks	HJ	HJ	20160608	H15	
EASTER 919002	PUMP, FISH 20' W/BAG(SUMP	25	4	17.00011		MCPS- REPAIR POWER (WELL Attention: H11 address	HJ	HJ	20160713	K68	
EASTER 911103	PUMP, SEWAGE #3	25	4	17.80824	2	MCPS-REPAIR STUFFING BOX (losing vacuum) valmrook 64972	VD	VD	20170404	K58	
EASTER 912401	PUMP, VACUUM #1	25	4	17.82249		MCPS/UNBLOCK 1 VACUUM LI 1 VACUUM LINE NEEDS TO BE UNBLOCKED V. DUNROCK 6-6154	VD	VD	20151130	H15	
JF 923004	PUMP, #4 SEAL WATER W/POTD	25	4	16.81138	2	MCPS-CHECK WATER SEALING water is not getting to the main pump packing	HJ	HJ	20170321	H15	
LUPO 965001	PUMP, MAGNETIC	25	4	17.82138		MCPS/REPLACE TRG H H. JOHNSON 6-4872	HJ	HJ	20170321	H15	
PLST 978102	PUMP, SUMP #2	25	4	17.81661		MCPS-INSTALL CHECK VALVE W. JOHNSON	HJ	HJ	20170130	H15	
PLST 978101	PUMP, SUMP #1	25	4	17.81662		MCPS-INSTALL CHECK VALVE SYSTEM.	HJ	HJ	20170130	H15	
QUAD 932102	VALVE, #2 PUMP CONE/O/SCHA	25	30	16.82628		MCPS/ REPAIR VALV PACKING stielperc 64972	CS	CS	20160512	H15	
QUAD 931201	MOTOR, #1 PUMP CONE/O/SCHA	25	30	17.82134		MCPS-REPAIR PLUG VALVE(H H. JOHNSON 6-4872	HJ	HJ	20170314	H15	
QUAD 932302	OPERATOR, #2 PUMP CONE VAL	25	30	17.82135	2	ELCS/MCPS-REPAIR MOTOR(H H. JOHNSON 6-4872	CS	CS	20170314	K21	
QUAD 931002	RODAR, MET HULL LEVEL	25	4	14.82430	2	ELCS/MCPS-REPAIR OPERAT (correctly) stielperc 74972	CS	CS	20140023	H15	
QUAD 932102	VALVE, #2 PUMP CONE/O/SCHA	25	4	14.82438		MCPS/ASSIST INSPS WITH R pipe in well-stielperc 64972	CS	CS	20140023	H15	
QUAD 932102	VALVE, #2 PUMP CONE/O/SCHA	25	4	16.81712		MCPS/ REPAIR LEAKING VAL stielperc 64972	CS	CS	20160114	K52	
STRIN 911102	PUMP, #2 SEWAGE(SUPERSEDER)	25	4	17.82129		MCPS-REPACK #2 PUMP/LEAK H. JOHNSON 6-4872	HJ	HJ	20170313	H18	
STRIN 911134	PUMP, RAW SEWAGE #4 W/POTD	25	4	15.82017		MCPS/INSPECT PUMP (PUMP) stielperc 64972	CS	CS	20150416	H18	
STRIN 911135	PUMP, MET HULL SUPP. (OUTSI	25	4	16.80651	2	ELCS/MCPS- REPAIR PUMP (clogged) stielperc 64972	CS	CS	20150621	K55	
STRIN 911126	FACILITY, STONEY RUN P. S	25	4	17.80815		MCPS/ REPLACE PRESSURE G (not working) 64972 stielperc	CS	CS	20161028	H15	

Total * MCPS * Work Orders:
COUNT 31

EASTER 911106	PUMP, STANDBY SEWAGE	25	4	13.80655		MECH - REPAIR OIL PAN (L stielperc 64972	CS	MECH	20121018	H18	
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Co. No.	Area	Loc.	Machine Number	Machine Description	HD Srs	W/O Code	Print	Short problem Description	Full Problem Description	Req. By	Craft Code	HD Issue Date	Wkt Sht Up date
11	PUMPING ST	CAROL	985701	CONTROLLER, PUMP, #1	25	4	15.81494	2	OPSEK/INVS- INVESTIGATE C not working in auto-stieelper 64972	CS	OPSEK	20150202	H41
			985702	CONTROLLER, PUMP, #2	25	4	16.82823	2	OPSEK/ELPS-INSPECT DRIVE (w/ll rot run) stieelper 64972	CS		20160522	H15
			948103	CONTROL, VFD #2 SEWAGE PUM	25	30	16.82229	3	OPSEK/INVS/ELPS-REPAIR GROUND fault-stieelper 64972	CS		20150505	H41
			948105	CONTROL, VFD #4 SEWAGE PUM	25	30	16.80674	2	OPSEK- INVESTIGATE DRIVE (On Current) stieelper 64972	CS		20151005	H41
			948103	CONTROL, VFD #2 SEWAGE PUM	25	30	16.82641	2	ELPS/OPSEK- REPAIR DRIVE FAULT) STIELEPER 64972	CS		20160602	H41
			948104	CONTROL, VFD #3 SEWAGE PUM	25	30	17.80283	2	ELPS/OPSEK- CHECK #3 DRIVE that will not clear	HJ		20160831	H41
			915509	SYSTEMS, SCADA	25	30	16.80678	2	OPSEK/ RESTORE COMMUNICAT system operations booth) stieelper 64972	CS		20151006	H15
			928005	VFD-#4 SEWAGE PUMP (CP)X300	25	30	15.81264	2	OPSEK- INVESTIGATE/REPAIR (BY- Pass) stieelper 64972	CS		20150609	H41
			928002	VFD-#1 SEWAGE PUMP (CP)X300	25	30	16.80677	2	OPSEK- #1 VFD IS TRIPPING 0 fault	HJ		20151006	H15
			928004	VFD-#3 SEWAGE PUMP (CP)X300	25	30	16.82635	2	OPSEK- MAKE REPAIRS TO DR1 faults(stieelper 64972	CS		20160531	H15
			928002	VFD-#1 SEWAGE PUMP (CP)X300	25	4	15.82262	2	OPSEK-REPAIR #1VFD FAULT(over temp.)	HJ		20160522	H41
			929104	PANEL, STATION ALARM	25	4	16.81117	1	ELPS/OPSEK- RELOCATE THE 'cent hear from operating levels) stieelper 64972	CS		20151116	H41
			985000	FACILITY, LOCKST POINT	25	30	16.82176	2	OPSEK-ALARM ON PLC SCREEN critically low, may affect performance	HJ		20160405	H23
			975003	CONTROLLER, PROGRAMMABLE	25	30	17.81655	2	OPSEK/INVS-FAULT CODE 20 RED BY C. STIELEPER	CS		20170125	H41

Total * MCH * Work Orders:
COUNT 1

Total * OPSEK * Work Orders:
COUNT 14

Co. No.	Area	Loc.	Machine Number	Machine Description	HD Srs	W/O Code	Print	Short problem Description	Full Problem Description	Req. By	Craft Code	HD Issue Date	Wkt Sht Up date	
880	WV	551000	FACILITY, 88000, WV PUMPING		25	4	TAD	13.80564	PENG-ROOF LEAKING	CS	PENG	20121030	H68	
			945501	MOTOR CONTROL CENTER	25	4	BAZ	10.83557	PENG- INVESTIGATE ELECTRIC FROM overhead pumping station may not be proper size for the	RLS		20100430	H61	
			941000	FACILITY, DUNDALK PUMPING	25	30	15.80563	1	PENG/ELPS- INSTALL SHIP vault stieelper 64972	CS		20140910	H09	
			948101	CRANE, BRIDGE (15 TON)	25	30	15.82645	2	ELPS/PENG-MAKE REPAIRS T (no up function pendant) stieelper 64972	CS		20150617	H09	
			941000	FACILITY, DUNDALK PUMPING	25	4	TAD	12.80566	PENG- INSPECT ROOF VENT leaking stieelper 64972	CS		20110630	H15	
			941000	FACILITY, DUNDALK PUMPING	25	4	TAD	12.80568	PENG-ROOF LEAKS NEEDS ESP requester c sleyton 6-9762	RLS		20110630	H68	
			941000	FACILITY, DUNDALK PUMPING	25	4	TAD	13.80569	PENG-ROOF LEAKING	CS		20121030	H68	
			916000	BUILDING, ENER. GENERATOR	25	30	13.81552	2	P- INVESTIGATE CAUSE OF POW station. Sullivan 64972	US		20130110	H61	
			911000	FACILITY, EASTERN AVENUE	25	4	BAZ	12.82123	PENG- INVESTIGATE POSSIBLE a wall seal wall mounted heater/circis 64972	CS		20120124	H22	
			911000	FACILITY, EASTERN AVENUE	25	4	TAD	12.82263	PENG- REPAIR CONCRETE PAD broken up tripping hazzard-see chris stieelper64972	CS		20120203	H02	
			911000	FACILITY, EASTERN AVENUE	25	4	TAD	12.83030	PENG/ INVESTIGATE ROOF DR see chris 64972	CS		20120425	H51	
			911000	FACILITY, EASTERN AVENUE	25	4	BAZ	16.82262	PENG- PROVIDE AND INSTALL SS SYSTEM AND SECURITY CAMERA SURVEILLANCE SYSTEM UPWARDS,	TG		20160019	H09	
			910019	PANEL, FIRE ALARM	25	4	TG	17.81852	PENG-INSPECT PANEL-TROUB displaying see chris 64972	CS		20170228	H41	
			900000	FACILITY, FORT MCHERRY	25	4	BAZ	12.80574	PENG- INVESTIGATE INSTALL BACKUP GENERATOR/AUTO TRANSFER SWITCH FOR STATION.	JAD		20110631	H61	
			951000	FACILITY, HIGHLANDTOWN	25	4	BAZ	12.81625	PENG/ INVESTIGATE 110 VLT UPGRADE -refer J HARROCK) 64972	CS		20110205	H61	
			920000	FACILITY, JONES FALLS	25	4	TAD	12.80529	PENG-MAKE PHONE LINE AND installed in upstairs VFD room stieelper 64972	CS		20110809	H44	
			922001	PREVENTER, FACILITY/BAKSPRE	25	4	17.00015	2	PENG-REPAIR BACK FLOW PER H. JOHNSON 6-4972	HJ		20160714	H09	
			985000	FACILITY, LOCKST POINT	25	4	14.81255	2	PENG/ RE-DIRECT BLOW OFF stieelper 64972	CS		20131219	H15	
			977801	SHUTCH, TRANSFER	25	4	TAD	12.83589	PENG-PROVIDE FUEL TANK TO T. DAVIS	TAD		20120619	H27	
			991126	FACILITY, STONEY RUN P.S	25	4	TAD	12.81199	PENG- INVESTIGATE PREVENTER pump failure (operational problems or pump design) requester	RLS		20110005	H61	
			991126	FACILITY, STONEY RUN P.S	25	4	13.81600	2	PENG- INVESTIGATE PUMP CAN well design problem stieelper 64972	CS		20130115	H61	
			971000	FACILITY, WESTPORT	25	4	MVA	13.80727	2	PENG/ INVESTIGATE INSTALL stieelper 64972	CS		20121129	H51

Total * PENG * Work Orders:
COUNT 22

CLINT 991121 FACILITY, CLINTON STA #1 25 30 15.80605 3 ELPS/ELPS/STORM-HO POLE RED BY J. HARROCK 6-9748 JCN STORM 20140915 H60

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Combined Backlog Report
City's & HD's
Back River, PS & Misc.

ID: -> BHCALOG
as of 04/04/17
Status 10 & 23

PRICE 63

Co. No. Area Loc. Machine Number Machine Description
W0 Sts Prc Code W/O Start Problem Full Problem
Code Code Number Description Description

Craft Issue Let Str
By Code Date Date CLS

Total * STORM * Work Orders:
COUNT 1

Area * PUMPING ST * Work Orders:
COUNT 232

Total Co. * 11 * Work Orders:
COUNT 233

Co. No.	Area	Machine No.	Machine Description	WO Sts	Ptr Code	W/O Number	Short problem Description	RUI Problem Description	Req. By	Craft Code	WO Issue Date	Wk Sht Typ	Wk Sht Date
80	SASANT	999006	FACILITY-SH SANITATION	25	4	17-90062	BLDG-TO REPAIR BROKEN	WINDOVS, REPO WALLS AND REBUILD WALLS WITH DOOR AT THE REEDB CC	CC	BLDG	20170321	408	20170321
	SASANT	999006	FACILITY-SH SANITATION	25	4	17-90063	BLDG-TO STRIP-AND HEX	office floors at reobird bldg. req by c carter sr per RBS L CC	CC	BLDG	20170321	408	20170321
Total * BLDG * Work Orders: COUNT 2													
Area * * Work Orders: COUNT 2													
MISC		15PTBR	992000	FACILITY-15L PT-BONT HOVS	25	3	17-90078	BLDG - BACKUP / SEE JEAN REQUESTER: JEAN DASHIELL 6-9700.	JD	BLDG	20170316	455	
	PETER	990013	FACILITY-MT-WASHINGTON NE	25	4	11-95141	BLDG-PAINT-PAINT BLDG WHT RED BY R BARTON JR		RB	BLDG	20110510	426	
	PETER	990014	FACILITY-FALKIRK METERING	25	4	12-95152	BLDG-BUILD STEPS FOR STAT RED BY R BARTON JR PER ANNOE*		RB	BLDG	20120315	468	
	PETER	990007	FACILITY-BOSTON AVE. STA.	25	4	15-95013	BLDG-PAINT-PAINT BOX AT S RED BY R BARTON JR		RB	BLDG	20140729	426	
	PETER	990005	FACILITY-CARDEN DRIVE ST	25	4	15-95014	BLDG-PAINT-PAINT BOX AT RED BY R BARTON JR		RB	BLDG	20140729	426	
	PETER	990004	FACILITY-LONG PLACE STA.	25	4	15-95015	BLDG-PAINT-PAINT BOX AT RED BY R BARTON JR		RB	BLDG	20140729	426	
	PETER	990014	FACILITY-FALKIRK METERING	25	4	15-95016	BLDG-PAINT-PAINT BOX AT RED BY R BARTON JR		RB	BLDG	20140729	426	
	PETER	990016	FACILITY-FORGESWELL METER	25	4	15-95017	BLDG-PAINT-PAINT BOX AT RED BY R BARTON JR		RB	BLDG	20140729	426	
	PETER	990011	FACILITY-FORGESWELL DRIVE	25	4	15-95018	BLDG-PAINT-PAINT BOX AT RED BY R BARTON JR		RB	BLDG	20140729	426	
	PETER	990009	FACILITY-MERGING RUN STA.	25	4	15-95019	BLDG-PAINT-PAINT BOX AT RED BY R BARTON JR		RB	BLDG	20140729	426	
	PETER	990000	FACILITY-METERING STATION	25	4	16-95103	BLDG-PAINT-PAINT ALL OF T RED BY R BARTON JR		RB	BLDG	20160621	426	
	MURBLD	952500	MUNICIPAL BUILDING	25	4	14-95124	BLDG-TO PAINT OFFICES on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20140530	426	
	MURBLD	952500	MUNICIPAL BUILDING	25	4	17-90086	BLDG-TO CLEAN CARPET AND STRIP-FOP AND HWY FLOORS AT MUNICIPAL BLDG. REQ BY C CAR CC		CC	BLDG	20170329	460	
	PARTE	952400	PARK TERMINAL (UTILITIES)	25	4	14-95121	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20140530	422	
	FOLCON	999000	FACILITY-POLLUTION CONT.	25	30	16-95012	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20160621	426	
	FOLCON	999000	FACILITY-POLLUTION CONT.	25	30	16-95024	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20160621	426	
	FOLCON	999000	FACILITY-POLLUTION CONT.	25	4	13-95000	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20130528	494	
	FOLCON	999000	FACILITY-POLLUTION CONT.	25	4	14-95006	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20140530	402	
	FOLCON	999000	FACILITY-POLLUTION CONT.	25	4	16-95013	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20160621	426	
	FOLCON	999000	FACILITY-POLLUTION CONT.	25	4	16-95008	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20160621	426	
	FOLCON	999000	FACILITY-POLLUTION CONT.	25	4	16-95078	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20160428	424	
	FOLCON	999000	FACILITY-POLLUTION CONT.	25	4	16-95102	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20160621	408	
	FOLCON	999000	FACILITY-POLLUTION CONT.	25	4	17-90036	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20161101	460	
	MISC	990001	WAREHOUSE #5	25	4	16-95075	BLDG-TO CLEAN CARPET on 3rd fl municipal bldg. req by c carter sr per Jorette hr CC		CC	BLDG	20160428	468	
Total * BLDG * Work Orders: COUNT 25													
CITYHD	999900	MISC-CITY WIDE PROJECTS		25	4	12-95092	3 DRAP-FRONTICE DRAWINGS FOR ADDED BY J.BRYAN		JDB	DRAP	20111028	443	
Total * DRAP * Work Orders: COUNT 1													
PETER	990004	FACILITY-LONG PLACE STA.		25	4	12-95039	ELECTS-NO POWER TO METER	REQ BY R BARTON JR	RB	ELECTS	20110824	421	
Total * ELECTS * Work Orders: COUNT 1													
ASHBUR	992200	ASHBURTON FILTRATION PLT.		25	30	14-95062	ELEC-ASSIST BEN HUNTER'S repairing road lights at 3001 Brund Park Drive phone #		RLS	ELEC	20131031	420	
CITYHD	999900	MISC-CITY WIDE PROJECTS		25	2	14-95100	2 MECH/ELEC/GNIS/PALD/STORH PETERS ON OVERTIME.		JMD		20140307	489	

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Combined Backlog Report
City's & MDU's
Back Office, PS & Misc.

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Status: 10 & 25

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Co. No.	Machine No.	Machine Description	WO No	Sts	WO Prio	Plnr Code	WO Number	Short Problem Description	Full Problem Description	Req. By	Crft Code	WO Issue Date	WO Issue Type	WO Issue Cls
80	MISC													
	ISPTBR 982000	FACILITY, 151. FT. BOMT HOMS	25	4			13.95152	ELEC-PURCHASE AND INSTALL square D transfer breakers to separate and install 2 new outlets		GD	ELIC	20130619	H28	
	ISPTBR 982102	HEATER, HOT WATER	25	4			13.95154	ELEC-PURCHASE AND INSTALL var for building. Heater that was brought was wrong.		GD	ELIC	20130619	H28	
	PARKTE 982400	PARK TERMINAL (UTILITIES)	25	4			14.95121	ELECTRUBG INSTALL PANEL A circuits for computers, coffee maker and other equipment		DTS		20140630	H22	
	PARKTE 982400	PARK TERMINAL (UTILITIES)	25	4			14.95130	ELEC-INDUSTRIAL SUMP PUMP 1 breaker and needs to be replaced		DTS		20140617	H15	
	POLCON 995000	FACILITY, POLLUTION CONT.	25	4			14.95086	ELEC.- EXTS. 6-9588 & 583 WORKING		FB		20140207	H44	
	POLCON 995000	FACILITY, POLLUTION CONT.	25	4			17.00002	ELEC-STRADWELL LIGHTS OUT SEE REMONSTER PAT BOYLE		FB		20150711	H02	
	WASE 980001	WAREHOUSE #5	25	30			15.95129	ELEC-LINE DOWN Jeff Jones from Archer Western just called me.		JAD		20150503	H22	
	WASE 990001	WAREHOUSE #5	25	4			16.95062	ELEC-RUN NEW CONDUIT AND BREAKERS FOR PROFITABLE HEATERS		GD		20151211	H15	
Total * ELEC * Work Orders:														
COUNT 10														
	PETER 980012	FACILITY, FREDERICK RD, WETE	25	4			15.95020	GRS-RED- CLEAN FLUPE AT RED BY R BARTON JR		REJ	GR05	20140729	W45	
	PETER 980005	FACILITY, CHEVRON DRIVE ST	25	4			16.95104	GRS-JET ROD FLUPE FOR ST RED BY R BARTON JR		REJ	GR05	20160623	W45	
Total * GRS * Work Orders:														
COUNT 2														
	POLCON 995000	FACILITY, POLLUTION CONT.	25	30			17.90005	HA-THE COOLING SYSTEM IS functioning very well. Could you please investigate why the PB		HA		20160728	H19	
	POLCON 995001	REFRIGERATOR	25	30			17.90008	HA-CHECK FOR PROPER OPERA AS NEEDED. RED BY P. BOYLE.		FB		20160803	H19	
	WASE 990001	WAREHOUSE #5	25	4			14.95082	HA-NO HEAT SEE R. HENDERSON		REI		20140113	H19	
Total * HA * Work Orders:														
COUNT 3														
	PETER 980001	FACILITY, HALVER AVE. STA.	25	4			16.95100	INSPS- RESTORE PROGRAM BA RED BY R BARTON JR		REJ	JNSPS	20160615	H21	
Total * JNSPS * Work Orders:														
COUNT 1														
	PARKTE 982400	PARK TERMINAL (UTILITIES)	25	3			17.90065	MECHFP-FABRICATE STRUCTURE RED. T. SMITH 6-5723				20170120	H39	
Total * MECHFP * Work Orders:														
COUNT 1														
	POLCON 995000	FACILITY, POLLUTION CONT.	25	2			17.90010	MECH-TOILETS IN THE LADIE backing up through the floor drain (could signal problem		FB	FECH	20160810	H55	
Total * MECH * Work Orders:														
COUNT 1														
	CITYMD 995800	MISC, CITY WIDE PROJECTS	25	4			12.95092	PEM/MECH-FAB AND INSTAL STORM WATER MAINTENANCE. LOCATION 1601 WEST BALTO. ST.		JOB	PEMG	20111025	H31	
	CITYMD 995800	MISC, CITY WIDE PROJECTS	25	4			12.95201	PEMG-INVESTIGATE FLOOD DO AT LUCH RAVEN DAM.		JOB	PEMG	20120515	H51	
Total * PEMG * Work Orders:														
COUNT 2														
	CITYMD 995900	MISC, CITY WIDE PROJECTS	25	2			14.95100	MECH/ELEC/GRS/BUDG/STORM METERS ON OVERTIME.		JAD	STORH	20140507	H89	
Total * STORH * Work Orders:														
COUNT 1														

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Combined Backlog Report
CIT's & HDD's
Back: River, PS & MISC.

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Co. No.	Area	Loc.	Machine Number	Machine Description	W/O Srs	Pinc Code	Start problem Description	Roll Problem Description	Req. Code By	Craft Code	Issue Date	W/O Issue Date	Srs Issue Date
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Area: * MISC * Work Orders:
COUNT 46

Total Co.: * 60 * Work Orders:
COUNT 50

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Combined Backlog Report
CM's & MD's
Back Silver, PS & Misc.

ID:----> Backlog
as of 04/04/17
Status 10 & 25

PLCE 67

Co. No.	Area	Machine No.	Machine Description	WO No	Sts	Prty Code	W/O Code	Plnt Code	Number	Street problem Description	Full Problem Description	Req. By	Craft Code	MO Issue Date	Act Snt	Typ	Stat	CIS
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FINAL TOTALS
COUNT 2:551

*** END OF REPORT ***

APPENDIX 5

SUMMARY OF REPORTED OVERFLOWS



SSO No. 67

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

SSO No. 72

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

SSO No. 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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Flow monitor removed on July 1, 2015 for construction

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

SSO No. 153

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

SSO No. 154

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



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, 2017

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
1/1/2017	15	Rags	0		1011 W 37th St	21211
1/1/2017	8	Rags	0		4707 Frederick Ave	21229
1/1/2017	30	Rags, Grease, Trash	0		200 East St	21202
1/2/2017	1970	Rags, Roots, Trash	0.16	Herring Run	Belair Rd and Shannon Dr	21213
1/2/2017	5	Rags, Roots, Trash	0.16		839 W Ramsay St	21230
1/3/2017	10	Rags, Trash	0.71		510 S Kenwood Ave	21224
1/3/2017	8	Rags, Roots, Trash	0.71		2610 Oswego Ave	21215
1/4/2017	78	Rags, Roots, Trash	0		421 Westgate Rd	21229
1/6/2017	480	Rags, Roots, Trash	0.01		5800 Greenspring Ave	21209
1/6/2017	7	Rags	0.01		2565 Marbourne Ave	21230
1/6/2017	8	Roots, Other	0.01		1425 Townway	21202
1/6/2017	5	Roots	0.01		351 Gwynn Ave	21229
1/9/2017	216	Rags	0		2325 Hollins St	21223
1/9/2017	670	Rags, Grease, Trash	0	Gwynns Falls	Lipps Ln and S Warwick Ave	21223
1/10/2017	100	Grease, Trash	0.04		4120 Mariban Ct	21225
1/11/2017	400	Rags, Grease, Trash	0.21	Tiffany Run	4722 York Rd	21212
1/12/2017	48	Rags, Grease, Trash	0.03	Herring Run	4122 Marx Ave	21206
1/12/2017	3,050	Rags, Trash	0.03	Harbor	125 N Ann St	21231
1/12/2017	5	Rags, Roots	0.03		2508 Druid Park Dr	21215
1/12/2017	229	Sand, Gravel, Rocks, Structural	0.03		2002 Brunt St	21217
1/13/2017	2,725	Rags, Trash, Other	0	Tiffany Run	York Rd and E Coldspring Ln	21212
1/13/2017	10	Rags	0		4104 Norfolk Ave	21216
1/15/2017	15	Rags, Roots	0		3705 W Belvedere Ave	21215
1/15/2017	8	Rags, Trash	0		3700 Echodale Ave	21206
1/16/2017	1,648	Rags, Grease, Sand, Gravel, Rocks, Structural	0		Edgewood Rd and Wabash Ave	21216
1/16/2017	454	Rags, Grease, Trash	0		3700 E Baltimore St	21224
1/17/2017	204	Rags, Grease, Trash	0.16		2116 N Wolfe St	21213
1/18/2017	1,035	Rags, Grease, Infiltration, Trash	0		Benninghaus Rd and Ready Ave	21212
1/20/2017	10	Rags, Trash	0.02		247 N Bruce St	21223
1/20/2017	10	Rags, Trash	0.02	Harbor	2042 E Baltimore St	21231
1/21/2017	455	Grease	0		1400 Eastern Ave	21231
1/23/2017	220	Infiltration, Sand, Gravel, Rocks, Structural	0.6		212 N Streeper St	21224
1/23/2017	0	Infiltration, Sand, Gravel, Rocks, Structural	0.6		1910 Cecil Ave	21218
1/25/2017	18	Rags, Roots, Trash	0		5514 Fernpark Ave	21207
1/25/2017	350	Rags, Roots, Grease	0	Herring Run	Cedonia Ave and Radecke Ave	21206
1/26/2017	10	Rags, Trash	0		1918 W Lafayette Ave	21217
1/26/2017	7	Rags, Roots, Trash	0		1007 Woodson Rd	21212
1/28/2017	270	Trash	0		3624 Roland Ave	21211
1/29/2017	8	Rags, Roots, Trash	0		340 S Augusta Ave	21229
1/30/2017	70	Rags, Grease, Trash	0		1946 Hollins Ferry Rd	21230
1/31/2017	2,856	Rags, Grease	0		2800 Round Rd	21225
1/31/2017	17	Rags, Roots, Trash	0		2929 Rayshire Rd	21230
2/1/2017	8	Rags, Roots	0		3318 Burleith Ave	21215
2/1/2017	470	Rags, Grease, Trash	0	Harbor	200 East St.	21202
2/2/2017	880	Rags, Grease, Trash, Sand, Gravel, Rocks	0		400 W 26th St	21211
2/2/2017	15	Rags, Roots, Trash	0		6312 Elinore Ave	21206
2/3/2017	8	Rags, Roots	0		29 Merrymount Rd	21210
2/3/2017	10	Rags, Trash	0		1813 W Lafayette Ave	21217
2/5/2017	12	Rags, Grease, Trash	0	Gwynns Falls	821 McKean Ave	21217
2/4/2017	3,050	Structural	0		Curtis Ave and Cherry St	21226
2/5/2017	15	Rags, Structural	0		2013 E 32nd St	21218
2/6/2017	1,440	Rags, Grease, Trash	0		E 32nd St and Jenifer Ave	21218
2/6/2017	15	Rags, Grease, Trash	0		6656 Belair Rd	21206
2/7/2017	10	Rags	0		1708 N Dukeland St	21216
2/7/2017	215	Rags, Trash	0		2415 E Northern Pkwy	21214
2/7/2017	1,100	Rags, Roots, Grease, Trash	0		6320 Wirt Ave	21215
2/8/2017	1,520	Rags, Grease, Trash	0		5135 Frederick Ave	212229
2/8/2017	8	Roots	0		250 S Clinton St	21224
2/9/2017	970	Rags, Roots, Grease	0.24	Gwynns Falls	3406 Wabash Ave	21215



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending March 31, 2017

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
2/9/2017	10	Roots, Trash, Structural	0.24		4210 Parkwood Ave	21206
2/9/2017	326	Roots, Grease, Trash	0.24		Weldon Ave and Falls Rd	21211
2/10/2017	11	Rags, Roots, Grease	0		2610 Oswego Ave	21215
2/9/2017	10,001	Rags, Roots, Grease	0.24		6317 Park Heights Ave	21215
2/11/2017	8	Roots, Trash	0		1030 Parksley Ave	21223
2/11/2017	6	Roots, Trash	0		1209 N Woodyear St	21217
2/13/2017	15	Rags, Trash	0		250 S Loudon Ave	21229
2/14/2017	50	Rags, Grease	0	Harbor	2116 N Wolfe St	21213
2/16/2017	5	Rags, Roots	0		4904 Westhills Rd	21229
2/16/2017	6	Sand, Gravel, Rocks, Structural	0		2006 E 30th St	21218
2/16/2017	30	Rain, Unknown	0		4716 Parkside Dr	21206
2/18/2017	10	Roots, Grease, Trash	0		1204 Cochran Ave	21239
2/18/2017	0	Roots	0		949 Montpelier St	21218
2/19/2017	6	Roots, Grease, Trash	0		3505 Lyndale Ave	21213
2/20/2017	540	Rags, Grease	0	Jones Falls	4121 Falls Rd	21211
2/20/2017	196	Rags, Grease, Trash	0	Jones Falls	5200 Beaufort Ave	21215
2/21/2017	456	Rags, Grease, Trash, Structural	0		4258 Woodridge Rd	21229
2/21/2017	5	Structural	0		421 E Lafayette Ave	21202
2/22/2017	8	Rags, Roots, Trash	0		340 S Augusta Ave	21229
2/23/2017	9	Rags, Roots, Trash	0		4002 Kathland Ave	21207
2/24/2017	570	Rags, Roots, Grease, Trash	0		2211 Roslyn Ave	21216
2/27/2017	5	Rags, Roots, Trash	0		925 Montpelier St	21218
2/27/2017	4	Rags, Roots, Grease, Trash	0		2607 Goodwood Rd	21214
2/28/2017	423	Rags, Roots, Grease, Trash	0.25		1105 Argonne Dr	21218
2/27/2017	13,550	Rags, Grease, Trash, Sand, Gravel, Rocks	0	Gwynns Falls	2600 Frederick Ave	21223
2/28/2017	108	Rags, Roots, Trash	0.25		1812 Druid Hill Ave	21217
3/1/2017	8	Roots, Trash	0.02		1740 E Lanvale St	21213
3/2/2017	8	Rags, Trash	0.01		4210 Parkwood Ave	21206
3/2/2017	8	Rags, Roots	0.01		2315 Maryland Ave	21218
3/3/2017	710	Rags, Roots, Grease, Trash, Sand, Gravel, Rocks	0		2500 W North Ave	21216
3/8/2017	Ongoing	Structural	0		5407 Purlington Way	21212
3/8/2017	1,479	Structural	0		5415 Purlington Way	21212
3/9/2017	Ongoing	Infiltration, Structural	0	Jones Falls	2924 Woodland Ave	21215
3/9/2017	44	Rags, Grease	0		3825 Copley Rd	21215
3/9/2017	52	Grease, Trash	0		1908 Ramblewood Rd	21239
3/9/2017	6	Rags, Trash	0		1412 Darley Ave	21218
3/10/2017	10	Rags, Trash	0.13		3400 Benson Ave	21227
3/10/2017	8	Trash	0.13		312 S Broadway	21231
3/11/2017	170	Rags, Grease	0		820 Bridgeview Rd	21225
3/11/2017	5	Roots	0		1120 Gorsuch Ave	21218
3/13/2017	14	Rags, Roots, Trash	0.43		2202 E Fairmount Ave	21213
3/15/2017	8	Trash	0		4210 Parkwood Ave	21206
3/17/2017	5	Rags	0		5332 Nelson Ave	21215
3/18/2017	12	Rags, Structural	0.14		703 Reservoir St	21217
3/20/2017	11	Rags, Grease	0		1806 Baker St	21217
3/20/2017	207	Rags, Grease	0		6300 Boston St	21224
3/20/2017	220	Rags, Grease, Trash	0		5038 Queensberry Ave	21215
3/20/2017	10	Roots	0		1912 Fairbank Rd	21209
3/20/2017	3	Rags, Trash	0		1120 Riverside Ave	21230
3/20/2017	2	Unknown	0		2007 Robb St	21218
3/21/2017	7,050	Rags, Roots, Trash	0		Frederick Ave & Stonecroft Rd	21229
3/21/2017	5	Rags	0		3017 Wayne Ave	21207
3/20/2017	40	Grease, Trash	0		5901 Radecke Ave	21206
3/20/2017	7	Rags	0		3132 Guilford Ave	21218
3/23/2017	12	Roots, Sand, Gravel, Rocks	0		6903 Eunice Ave	21214
3/23/2017	900	Rags, Trash	0		4300 Hayward Ave	21215
3/24/2017	11	Roots	0		29 Merrymount Rd	21210
3/24/2017	8	Trash	0		539 N Luzerne Ave	21205
3/24/2017	9	Roots	0		259 Robert St	21217



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending March 31, 2017

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
3/24/2017	15	Rags, Roots	0		906 McKean Ave	21217
3/25/2017	5	Rags, Grease, Trash	0		2603 Boone St	21218
3/25/2017	5	Rags, Trash	0		717 Roundview Road	21225
3/27/2017	4	Roots	0.04		2825 Windsor Ave	21216
3/27/2017	12	Rags, Roots	0.04		2304 N Forest Park Ave	21207
3/28/2017	224	Rags, Roots, Trash	0.3		E Belvedere Ave & Chinguapin Pkwy	21239
3/29/2017	89	Structural	0		2403 Talbot Rd	21216
3/29/2017	158	Rags	0	Maidens Choice	340 S Augusta Ave	21229
3/29/2017	5	Roots, Trash	0		516 Orkney Rd	21212
3/29/2017	11	Rags, Roots, Trash	0		6012 Alta Ave	21206
3/29/2017	10	Rags, Trash	0		429 E 29th St	21218
3/30/2017	5	Trash, Sand, Gravel, Rocks	0.05		312 S Broadway	21231
3/31/2017	421,000	Rain	1.4	Jones Falls	1901 Falls Rd - SSO #67	21217
3/31/2017	2,234,000	Rain	1.4	Jones Falls	428 E Preston St - SSO #72	21202
3/31/2017	34,000	Rain	1.4	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201



Updated through March 31, 2017

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 (T, X, Y)	Measures Taken to Identify Source or Resolve	Future/Planned Work
9	144804	11/22/2014	3768 E. 142nd Ave	21213	Island	Resolved	62	1,498	Chemical drain covers removed to discharge on the street. Discharge of raw sewage was observed. The SDUO is on larger property. Owner may place the required work to abate SDUO. SDUO is no longer active.	
10	144805	11/22/2014	3857 Park St	21214	Island	Resolved	42	6,142	Illegal connection. Label has been disconnected from the storm drain and returned to the sanitary main.	Agreement has been completed. The SDUO is no longer active.
11	173801	3/2/2017	Chapelwood Ave & Mason Ave	21205	Back River	Not Resolved	On going	800	Sanitary lateral is leaking to inst. Investigation has been on-going to determine the leaking asset.	More investigations are on-going to determine the source of the sewage.
13	173701	3/2/2017	6114 N. Charles St, Friends School	21210	Jones Falls	Not Resolved	On-going	2,074	Sewage found discharging from curbside on Friends school property. Measure are private. School is currently taking preventive actions.	CCTV and dye testing upon completion of repair work.

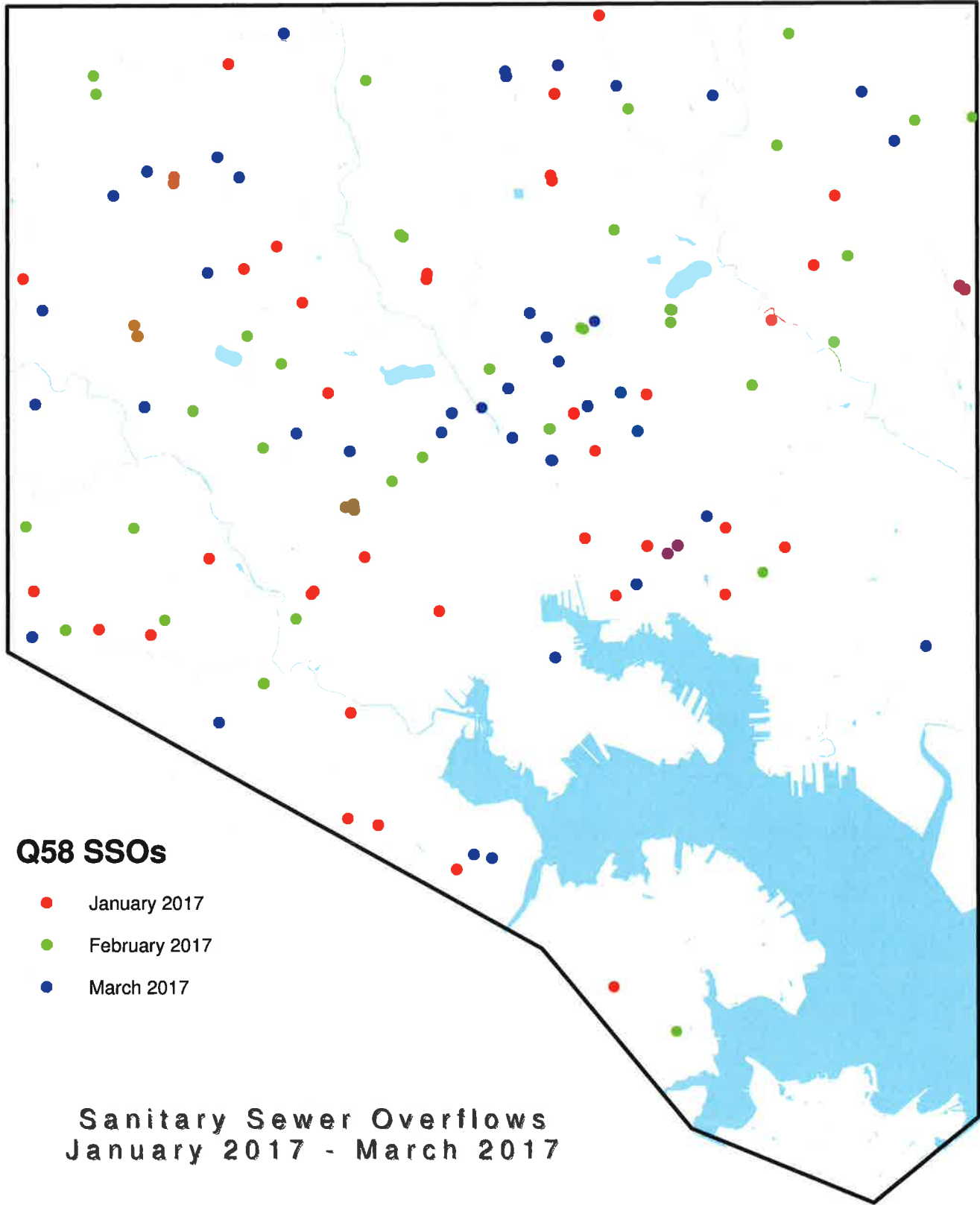
Active SDUOs
Abated SDUOs

SDUO SUMMARY:

- Total SDUO Site Documents: 124
- Total SDUO Sites Resolved: 116 (93% completed)
- Total Active SDUO Sites on Private Property: 4
- Total SDUO Sites Unresolved: 8 (7% in progress)
- Total SDUO Sites Occurred in the Last Quarter: 6
- Total SDUO Sites Occurred in the Last Year: 10
- 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 year issued by EPA dated November 12, 2010. The actual start date of the sewer discharge listed on (C) - Flow calculations utilizing 10% concentration.
- All Flow Calculators utilizing Ammonia concentration.

(PDF) Total Flow City Volume in Gallons

For all active sites, the City ultimately plans on calculating flow using T-X; per guidelines of the approved protocol by EPA. For sites that have not yet been resolved, "Est. Quantity of Discharge (Gal)" is requested each quarter to reflect the latest data. For all abated sites, the City will not be calculating flow. Flow, T-X, and T-Y may have been calculated for a given site.



Q58 SSOs

- January 2017
- February 2017
- March 2017

Sanitary Sewer Overflows January 2017 - March 2017

