

City of Baltimore Sanitary Sewer Overflow Consent Decree

Civil Action No. JFM-02-1524

Calendar Quarterly Report No. 60
For Calendar Quarter ending September 30, 2017

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

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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 September 30, 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, concerns and issues 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 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.

The City is working on addressing SSO No.s 135, 137, 138, and 139.

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
SSO 155 located at 3404 Glen Avenue
SSO 156 located at Charing Cross Road & Greenwich Avenue
SSO 157 located at E. 32nd Street & St. Paul/Hargrove Alley

Flow meter installation at SSO 150-154 was completed in June 2015. The collected data in conjunction with the hydraulic model will determine if they can be sealed. SSO 156, a new SSO structure, was first discovered on June 16, 2017. Flow meters have been installed at SSO 155 & 156 and the City will monitor these locations.

A new SSO structure has been confirmed, the City is taking next steps including performing a site investigation, installing a flow meter, and performing subsequent hydraulic modeling analysis of SSO 157.

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 September 30, 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		
			July	August	September
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 June, July and August 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 September 30, 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 September 30, 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. On Aug. 9, 2017, Baltimore's Board of Estimates (BOE) approved the City's modified sanitary sewer system Consent Decree. The Board's action now sends the Consent Decree back to the EPA, MDE, and DOJ for signatures and approval by the U.S. District Court.

Implementation

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

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

The City plans on advancing executable projects that are not impacted by the design storm selection while the City and MDE/EPA determine how best to address the misaligned Baltimore County Consent Decree data and the appropriate level of protection selection approach for Baltimore City. The City will monitor the collection system and calibrate the model, perform additional hydraulic simulations and assess the impact of County flows on the City's collection system, and determine the effectiveness of the selected construction projects and the effectiveness of projects implemented by the County. Doing so will allow the City to design and implement hydraulic improvements that more precisely comply with the intent of the Consent Decree, which is the elimination of SSOs. Appendix 2 of this Calendar Quarterly Report provides a status update for each of the construction projects being carried out under Paragraph 9 of the Consent Decree. The City will continue to coordinate with MDE and EPA to address the aforementioned issues and will revise the sewershed planning recommendations accordingly.

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

Paragraph 10: Illegal Sewer Connections

A. Illegal Private Connections: During the calendar quarter ending September 30, 2017 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. This location has been abated.

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.

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.

Progress of work under Paragraph 10 is as reported herein.

- D. Privately-Owned Portion of a Customer Service Connection Lateral:** During the calendar quarter ending September 30, 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 September 30, 2017, Baltimore inspected each of the eight pumping stations at least once 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 September 30, 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 September 30, 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 September 30, 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 September 30, 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.

Progress Reports: Table 11-1 Summarizes the status of Baltimore’s pumping station inspection and repair program during the calendar quarter ending September 30, 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

The hydraulic modeling task for each sewershed will be performed utilizing the previously-selected hydraulic modeling software package: InfoWorks, marketed by Innowyze.

- A. **Model Elements:** The InfoWorks hydraulic modeling package is fully compliant with the requirements listed in Paragraph 12.B.i of the Consent Decree.
- B. **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).
- C. 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.
- D. **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.

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 September 30, 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. The City is working on finalizing the eleventh annual progress report and will submit in October 2017.

Paragraph 14: Information Management System Program

- A. During the calendar quarter ending September 30, 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 September 30, 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 September 30, 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 September 30, 2017 is provided in Appendix 5.
- B.** During the calendar quarter ending September 30, 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 Monitoring & Investigations of the Office of Compliance and Laboratories 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 September 30, 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 September 30, 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. 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. 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 15, 2016 and selection of Construction Management At Risk (CMAR) team occurred on May 4, 2016. NTP was issued on June 29, 2017. SC 918H is in the construction phase and approximately 5% complete. 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 and approximately 99% complete.

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

As of the calendar quarter ending September 30, 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 18 CONSTRUCTION PROJECTS
As of September 30, 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
UPPER JONES FALLS SEWERSHED							
1	Western Run Interceptor (JPI Branch) Sanitary Contract Nos. 760 & 789	1. Install approximately 880 linear feet of 30-inch parallel relief sewer from JPIB49 to JPI10 (along JPI90A-JPI64) (SC760) 2. Install approximately 9,400 linear feet of 21- to 24-inch parallel relief sewer from JPI20 to JPI65 (SC769) 3. Rehabilitate approximately 3,300 linear feet of existing 18-inch sewer from JPI07 to JPI20 (SC768)	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 Paces/Coca Plant) Sanitary Contract Nos. 772 & 824	1. Rehabilitation of approximately 1,800 linear feet of existing 42- to 48-inch sewer located between JPI01 (Mt. Washington Tunnel) and JPI10, and approximately 6,570 linear feet of 48- to 60-inch sewer located between JPI01 and JPI10, and approximately 1,300 linear feet of 48- to 60-inch sewer located between JPI10 and JPI18, and approximately 1,550 linear feet of 60" sewer between JPI70 and the Jones Falls Pumping Station (SC 772). 2. Replacement of approximately 7,080 linear feet of 48-inch sewer between JPI18 and JPI42 (SC 824). 3. Manhole and stream bank restoration.	June 30, 2004	December 27, 2006	12/30/2008 **	Eliminates SSO Nos. 33 and 34	SC 772- Practical Completion was achieved on June 30, 2006. SC 824 - Construction Phase** Letter sent to MDE and EPA on 6-25-07 requesting an extension of the SSO elimination date to December, 2008. MDE response letter approving extension was received on September 5, 2007. Eliminated SSO Nos 33 and 34 on 12/10 and 12/23/08, respectively.
3	New Jones Falls Force Main/Pressure Sewer - Lower Section and Valves Improvements of Existing force/pressure sewer Sanitary Contract Nos. SC779 & SC805	1. Replacement of approximately 1600 linear feet of force main/pressure sewer in Broadway from Oliver to East Chase Street connecting to High Level sewer (SC 779) 2. Improvements to gate valves, blow-off valves and air release valves for existing force main/pressure sewer (SC 805)	December 30, 2002	June 30, 2004	6/30/2005 - SEE STATUS	Contributes to elimination of SSO No. 5	SSO No. 5 cannot be eliminated until projects 4 and 5 are completed.
4	Jones Falls Pumping Station Force Main/Pressure Sewer Sanitary Contract No. 800	Upgrade existing force main/pressure sewer to handle increased flows from rehabilitated/upgraded Jones Falls Pumping Station as well as additional flows from possible future pumping stations in Stony Run and along the JCA branch	June 30, 2005	12/29/2007**	May 2, 2008	Contributes to elimination of SSO No. 5	Construction Phase** Letter sent to MDE and EPA on 6-1-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension received September 5, 2007. Letter sent to MDE and EPA on 12/17/07 requesting additional 60 day extension for practical completion. Practical completion occurred on 12/30/08. Extension request approval granted by MDE in a letter dated April 15, 2010. Awaiting response from EPA.
5	Jones Falls Pumping Station Sanitary Contract No. 822	Upgrade existing pumping station to handle at least 50 mgd	December 30, 2005	12/29/2007**	June 30, 2008	Eliminates SSO No. 5	Construction Phase** Letter sent to MDE and EPA on 6-1-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension received September 5, 2007. Beneficial Occupancy achieved 11/16/07.
6	Elimination of Collection System Overflows in Upper Jones Falls Sewershed Sanitary Contract No. 876	Assess hydraulics and design improvements to areas adjacent to overflows	Existing on-call contract	June 30, 2003	June 30, 2004	Eliminates SSO Nos. 20, 31, 32 and 38	Complete
LOWER JONES FALLS SEWERSHED							
7	Lower Jones Falls Interceptor (Upper Jones Falls Branch) 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) (SC816) 2. Install approximately 1,200 linear feet of 12- to 50-inch (SC773) 3. Inverted siphon rehabilitation in Falls Road (manhole JG062) (SC773) 4. Stream bank restoration along Union Avenue near Meadow Mills at Woodberry	July 31, 2003	June 30, 2006	2/28/10**	Eliminates SSO No. 67	Post Construction Monitoring Phase. Monitoring period is extended at one site.
8	Stony Run Interceptor and Pumping Station (JGF Branch)** Sanitary Contract No. 819, 838, 839 & 847	1. Construct a 20 mgd capacity pumping station near Department of Public Works Solid Waste Site near the intersection of 28th Street and Sison Street. 2. Install approximately 1,200 linear feet of 24-inch force main from new pumping station to JFPS pressure sewer (length depends on location of pumping station) 3. Parallel approximately 10,800 linear feet of existing sewer from south of Coldspring Lane (JGF48) to the new pumping station with 18 to 36-inch sewer	December 30, 2005 (SC-819 & 838) June 30, 2006 * (SC-839 & 847)	5/31/2009**	2/28/10**	Contributes to elimination of SSO No. 72; eliminates SSO No. 129	Practical completion was achieved on May 29, 2009 for the portion of the Stony Run Interceptor (SC-839). Non-CD portion of the project is nearly complete. Flow monitor installed at new Stony Run Pump Station on August 26, 2009. The City submitted an extension request to EPA and MDE for SSO 67 and 72 dated February 16, 2010 requesting an extension to February 28, 2011. The City further submitted another extension letter dated February 15, 2011 requesting an extension to June 29, 2019 to allow for adequate time for the City to complete the project. The City believes as a major contributor to not being able to eliminate these SSOs.
9	Maryland Avenue Interceptor (JGB Branch) Sanitary Contract No. 799	1. Replace (branch) approximately 4,400 linear feet of existing 12- to 24-inch sewer with new 21- to 36-inch sewer along branch interceptor, excluding proposed 901 N. Howard project area 2. Improvements to siphon/SSO No. 125 under I-83 (JGB16-JGB19) 3. Sewer replacement may require crossing the CLRL	December 30, 2003	July 14, 2005 *	June 30, 2006	Eliminates SSO Nos. 69 & 125	Complete
10	Greenmount Avenue Interceptor (JGA Branch)** Sanitary Contract No. 820, 853	1. Install approximately 7,325 linear feet of 36 to 42-inch parallel relief sewer from Bonaparte Avenue to the High level Interceptor on Eager Street. 2. Line approximately 6,000 linear feet of 15- to 33-inch existing sewer.	December 30, 2005	12/27/07 **	2/28/10**	Contributes to elimination of SSO No. 72	Construction Phase. SC 833-Extension letter was sent on 12-7-07 for a 90 day extension through March 29, 2008. This extension was approved and a subsequent extension for 90 days, through June 27, 2008 was submitted. Awaiting response from MDE/EPA. Practical completion achieved on May 29, 2009. Extension letter received on July 25, 2008. In a letter dated 11/08/2011, EPA approved the minor schedule modification.

Note: Shaded date cells indicate completion.

APPENDIX 1
STATUS OF PARAGRAPH 1.8 CONSTRUCTION PROJECTS
As of September 30, 2017

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSCO STRUCTURES ELIMINATED	STATUS
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	Moore's Run Interceptor - Middle Section Storm Water Contract Nos. 7746 and 7751	Construction of approximately 400 linear feet of 18-inch, approximately 600 linear feet of 21-inch, approximately 4900 linear feet 24-inch, approximately 1000 linear feet of 27-inch, and approximately 100 linear feet of 30-inch sewer to replace existing interceptor	June 30, 2003	July 14, and Sept 2, 2005*	June 30, 2006	Contributes to elimination of SSO Nos. 118 and 119	Complete
13	Moore's Run Interceptor - Lower Section Sanitary Contract No. 801 and 843	Construction of approximately 6900 linear feet of 42-inch, approximately 2700 linear feet of 36-inch siphon, and approximately 3700 linear feet of 54-inch sewer to replace the existing interceptor.	June 30, 2005	June 30, 2007	June 30, 2008	Eliminates SSO No. 93 and 94	Construction Phase - Complete
14	Moore's Run Interceptor - Upper Section Sanitary Contract No. 817	Construction of approximately 1700 linear feet of 18-inch and approximately 2200 linear feet of 21-inch sewer to replace the existing interceptor	June 30, 2004	June 30, 2005	June 30, 2006	Contributes to elimination of SSO Nos. 118 and 119	Complete
15	Elimination of Collection System Overflows in Herring Run Sewershed	Assess hydraulics and design improvements to areas adjacent to overflows	Existing on-call contract	June 30, 2003	June 30, 2004	Eliminates SSO Nos. 88 and 109	Complete
16	Elimination of Siphon Blowoffs (Siphon No. 2 - Bay View Yard south of RR tracks; Siphon No. 4 - Bowleys Lane/Moravia Road) Sanitary Contract No. 830	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 92	Complete*
GWYNNS FALLS SEWERSHED							
17	Powder Mill System Improvements including GFG branch in Gwynns Falls Sewershed Sanitary Contract Nos. 777 & 804	Rehabilitation of approximately 12,000 linear feet of 12- to 24-inch conveyance piping (SC777) and approximately 35,000 linear feet of 8- to 10-inch collection piping (SC804)	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 28P, 29P and 33P	Complete
18	Dead Run System Improvements DRA Branch Sanitary Contract No. 788; 825	Clean, inspect and rehabilitate of approximately 20,000 linear feet of 12- to 24-inch conveyance piping (COE) and approximately 11,000 linear feet of 8- to 12-inch collection piping (SC788).	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 16P and 17P	Complete
19	Maidens Choice Interceptor Sanitary Contract No. 826	Clean, inspect, and rehabilitate 12,400 linear feet of 12- to 24-inch conveyance piping.	On-call contract	June 30, 2007	June 30, 2008	Eliminates SSO Nos. 23P and 24P	Construction Phase - Complete
20	Elimination of Siphon Blowoffs (Siphon No. 11 - Annapolis Road and Clare Street; Siphon No. 12 - West of RR tracks, west of Franklinton Rd.) SC No. 827	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 84 and 22P	Complete*

Note: Shaded date cells indicate completion.

APPENDIX 1
STATUS OF PARAGRAPH 1.8 CONSTRUCTION PROJECTS
As of September 30, 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
COMBINED SEWER AREAS							
21	Walbrook Sanitary Contract No. 780	Implementation of Long Term Control Plan and combined sewer separation design in Walbrook area		June 30, 2002	June 30, 2003	Eliminates CSO No. 21P	Complete
22	Forest Park Sanitary Contract Nos. 780 and 813	Implementation of Long Term Control Plan and combined sewer separation design in Forest Park area	December 30, 2003	June 30, 2005	June 30, 2006	Eliminates CSO No. 13P and SSO Nos. 10P, 11P, 12P, 18P, 19P, 26P, 27P and 31P. SSO Nos. 10P, 18P, 19P & 31P are eliminated.	Complete
HIGH LEVEL SEWERSHED							
23	Gwynns Run Interceptor Sanitary Contract No. 812	Improvements to the Gwynns Run Interceptor	December 30, 2004	February 25, 2007	12/27/2007**	Eliminates SSO Nos. 106, 107 and 130	Complete
24	Gwynns Run System Improvements Sanitary Contract No. 807	Assess hydraulics and design improvements to areas adjacent to overflows	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 55, 56, 57, 60, 63, 103, 126, 127, 128 and 131	Complete
25	Elimination of Siphon Blowoffs (Siphon Nos. 9 and 10 - east of Wilkens Interceptor, south of Wilkens Avenue) SC No. 827	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 79 and 81	Complete*
LOW LEVEL SEWERSHED							
26	Elimination of Siphon Blowoff (Siphon No. 8 - rear of 800 Unetta Avenue) Sanitary Contract No. 827	1. Cleaning and inspection of siphon with repairs as necessary. 2. Elimination of blow-off.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO No. 32P	Complete
* Approved by MDE/PEA. ** Approved by MDE. *** Approved by EPA							

APPENDIX 2

**STATUS OF
PARAGRAPH 9
CONSTRUCTION PROJECTS**

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of September 30, 2017

Proj. No.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION 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 S1900, 1042MH). Prior to reactivation of the 42-inch sewer, an internal inspection of the sewer was necessary to find the actual condition of the line. The City utilized its technical support consultant (KCI) to carry out the inspection process. The field work was started in September 2009 and their findings were completed and a final report was delivered on June 30, 2010.	07/15/2009 (A)	08/08/2010 (A)	N/A	Per Consultant's (KCI) evaluation of the inspection and cleaning work, the line is in fairly good condition and can be re-activated without any major repair/rehabilitation work. This project is complete and the City will utilize this line in the future as deemed necessary a Construction project will not be pursued. All Future work for this pipe will be tracked independently by the City. Conditional Acceptance was on 11/17/10, and Final Acceptance was on 09/22/11.
JF-4	SC 895 - MD Ave Sewer Rehab	SC 895 - Repair and rehabilitation of sanitary sewer and manholes in the Maryland Ave sub- sewershed of the Jones Falls Sewershed.	11/04/11 (A)	05/20/2013 (A)	5/8/2014 (A)	Bids were opened on 12/14/11 and AM LIner was the lowest bidder. Contract was awarded to AM LIner on 03/21/2012. Pre- construction meeting was held on May 17, 2012. Construction began June 2012. Fourth construction progress meeting was held on March 20, 2013. Last construction progress meeting was held on May 08, 2013. Construction completed.
JF-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 12/19/12 and NTP issued on 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 12/19/12 and NTP issued on 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 12/19/12 and NTP issued on 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 6/26/13 and NTP issued on 6/27/13. Project in liquidated damages
		OUTFALL SEWERSHED				
OF-1	Sediment Cleaning Trunk Sewers in City of Baltimore.	SC 884 - Cleaning of Outfall Sewershed 99-inch and Outfall Interceptor. (From N. Bond Street to 6300 Block of E. Lombard Street)	08/05/11 (A)	04/12/2014 (A)	4/12/2015 (A)	This contract was awarded to Meira Industries, who was the lowest bidder, on 8/8/11. NTP was issued on 8/8/11. Cleaning of the outfall stoppage 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)	6/30/2018	6/30/2019	The contract was advertised on 12/13/13. The lowest bidder is Meira 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)	1/31/2019	1/31/2020	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 September 30, 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 Hilton St to intersection of Wabash Ave and Liberty Heights Ave. (S99JU_007MH) to S13JU_008WH). Work includes excavation and removal of existing 12 inch sewer line, installation of 2400 LP of new 18-inch sewer line and relocation of 720 LP of 20-inch water line. Evaluation phase will include continual monitoring of existing engineered SSOs 132, 134 and 135 to ensure no overflows	2/10/2012 (A)	4/11/2014 (A)	4/11/2015 (A)	The contract was advertised on 2/10/12. Bids were due by 3/21/12, but date was extended to 4/4/12. The contract was awarded on 9/26/12 to Monumental Paving and Excavating Inc. 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.	3/22/2013 (A)	11/3/2016 (A)	11/2/2017	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 11/1/13. 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 in conditionally accepted on 7/1/2016
HL-4	SC932 - Improvements to Lower Gwynns Run Interceptor - Phase II From Franklin Street to Baltimore Street	SC 932 - Improvements to Lower Gwynns Run Interceptor - Phase II From Franklin Street to Baltimore Street - microtunneling project	7/26/2013 (A)	11/25/15 (A)	11/15/16 (P)	The contract was advertised on 7/26/13. Lowest Bidder is Bradshaw Construction. Contract was awarded on 3/12/14 and NTP issued on 5/28/14. 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-6	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 Spinello. Contract was awarded on 3/19/14 and NTP issued on 6/2/14. 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 Linc. East. Contract was awarded on 2/5/14, 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)	12/31/2017	12/31/2018	The contract was advertised on 9/6/13. Lowest Bidder is Anchor Construction. Due to issues with MBE/WBE, the contract was awarded to the second lowest bidder AM Linc. East. Contract was awarded on 2/5/14 and NTP issued on 5/11/14. 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 1/29/14 and NTP issued on 4/21/14. 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)	2/11/2018	2/11/2019	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 16, 2013. Lowest Bidder is Video Pipe Services Construction. Due to unbalanced bids, this contract was reawarded 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)	9/8/2015 (A)	10/8/2016 (A)	The contract was advertised on 9/20/13. The lowest bidder is Meira. 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 Insluform. 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 September 30, 2017**

LL-4	SC914 - Improvements to Sanitary Sewers in Low Level Sewershed	6/26/2015 (A)	2/28/2019	2/28/2020	The contract was advertised on 6/26/2015. Bid opening is 7/29/2015.
	Gwynns Falls Sewershed				
GF-1	SC920 - South Area Gwynns Falls	6/6/2014 (A)	12/30/2017	12/30/2018	The contract was advertised on 6/6/14. The lowest bidder is SAK Construction. NTP was issued on 1/12/2015.
GF-2	SC939R - Maidens Choice Pressure Sewer Inspection and Uplands Sewer Rehab	6/26/2015 (A)	TBD (P)	TBD (P)	The contract was advertised on 6/26/2015. Bid opening is 7/29/2015. Bid is rejected, completion date TBD.
	Dundalk Sewershed				
DD-1	SC 902 - Sewer Rehab in the Dundalk	3/6/2015 (A)	10/12/2017	10/12/2018	The contract was advertised on 3/6/15. Bid opening is 4/8/2015. The lowest bidder is Spinnello. NTP will be issued on 10/14/2015
	Patapsco Sewershed				
PA-1	SC 903 - Sewer Rehab in the Patapsco Sewershed	7/24/2015 (A)	7/30/2018	7/30/2019	The contract was advertised on 7/24/2015. Bid opening is 8/26/2015.

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

APPENDIX 3

LIST OF ILLEGAL CONNECTIONS

City of Baltimore Sanitary Sewer Overflow Consent Decree

Civil Action No. JFM-02-1524

List of Illegal Connections

Full Address	Test ID	Person/Entity Responsible	Source Type	Date Identified	Dye Result	Current Status	Comments
1. 5904 Berkeley Ave.	172 B 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
2. 6203 Blitmore Ave.	311 A 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
3. 3310 Clarks Ln.	212 B 7	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
4. 3312 Clarks Ln.	212 B 6	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
5. 3601 Clarks Ln.	256 B 1	Property Owner	Area Drain	3/21/2005	Positive	Newly Identified	Confirmed Not Illegal
6. 2238 Crest Rd.	14 A 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
7. 2302 Crest Rd.	13 A 5	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
8. 5616 Cross Country Blvd.	13 A 6	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
9. 6309 Fairlane Dr.	99 A 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
10. 6908 Fieldcrest Rd.	154 B 1	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
11. 3800 Glengyle Ave.	272 B 3	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
12. 6309 Greenspring Ave.	275 B 13	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
13. 6309 Greenspring Ave.	153 B 5	Property Owner	Downspout	40347.		Illegal	It was confirmed as an illegal connection in January 2011 after carrying out more dye-testing. A letter was sent to the property owner on August 08, 2011. A follow up letter dated 01/05/2012 was sent to the property owner requesting that the drain be disconnected. Corrective action has been taken. This location was tested and confirmed that the problem has been abated.
14. 2212 Ken Oak Rd.	153 B 4	Property Owner	Area Drain	3/28/2005	Positive	Newly Identified	Confirmed Not Illegal
15. 2416 Ken Oak Rd.	100 A 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
16. 5609 Key Ave.	103 A 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
17. 2504 Larryvale Rd.	50 B 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
18. 5815 Lochlea Rd.	154 B 7	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
19. 4424 Marble Hall Road	116 B 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
20. 3 Millbrook Rd.	D 1	Property Owner/Trustee	Stormwater Drain	4/13/2011		Illegal	A letter was sent to HCD on May 25, 2011, for further action. A violation notice was issued in July 2011. A meeting was held on July 28, 2011, with Marble Hall Apartment management to discuss the progress of relocating the illegal connection. Per the management of the apartment complex, the connection was re-routed in August 2011. Follow up testing was carried out in September which indicated that the fix has not prevented storm water getting into the sanitary sewers. Further coordination is being done to permanently resolve the issue. A letter dated 11/28/11 was sent to HCD to continue enforcement. Property owner is not responsive. DPW will coordinate with HCD for enforcement. This violation has been corrected. A City representative visited the site and conducted visual inspection and dye test on March 11, 2013 to confirm. This location is closed.
21. 5806 Park Heights Ave.	78 B 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
22. 5806 Park Heights Ave.	78 B 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
23. 5806 Park Heights Ave.	78 B 3	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
24. 5806 Park Heights Ave.	78 B 9	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
25. 5806 Park Heights Ave.	78 B 8	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
26. 5806 Park Heights Ave.	95 B 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
27. 5806 Park Heights Ave.	315 A 4	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
28. 5806 Park Heights Ave.	315 A 3	Property Owner	Area Drain	3/22/2005	Positive	Newly Identified	Confirmed Not Illegal
29. 5806 Park Heights Ave.	280 B 16	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
30. 5806 Park Heights Ave.	203 B 5	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
31. 5806 Park Heights Ave.	203 B 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
32. 5806 Park Heights Ave.	135 A 1	Property Owner	Driveway Drain	3/28/2005	Positive	Newly Identified	Confirmed Not Illegal
33. 5806 Park Heights Ave.	127 B 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
34. 5806 Park Heights Ave.	30 B 1	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
35. 5806 Park Heights Ave.	334 A 1	Property Owner	Driveway Drain	3/15/2005	Positive	Newly Identified	Confirmed Not Illegal
36. 5806 Park Heights Ave.	334 A 1	Property Owner	Driveway Drain	3/15/2005	Positive	Newly Identified	Confirmed Not Illegal
37. 5806 Park Heights Ave.	334 A 1	Property Owner	Driveway Drain	3/15/2005	Positive	Newly Identified	Confirmed Not Illegal
38. 5806 Park Heights Ave.	334 A 1	Property Owner	Driveway Drain	3/15/2005	Positive	Newly Identified	Confirmed Not Illegal

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

39.	1702 South Rd.	324 A 2	Property Owner	Downspout		6/20/2005		Newly Identified	Confirmed Not Illegal
40.	2117 Sulgrave Ave.	320 B 6	Property Owner	Downspout		6/20/2005		Newly Identified	Confirmed Not Illegal
41.	2607 Taney Rd.	183 B 4	Property Owner	Driveway Drain		3/23/2005	Positive	Newly Identified	Confirmed Not Illegal
42.	2615 Taney Rd.	183 B 2	Property Owner	Downspout		6/20/2005		Newly Identified	Confirmed Not Illegal
43.	2700 Taney Rd.	183 B 8	Property Owner	Downspout		6/20/2005		Newly Identified	Confirmed Not Illegal
44.	2808 Taney Rd.	182 B 6	Property Owner	Downspout		6/20/2005		Newly Identified	Confirmed Not Illegal
45.	2810 W. Strathmore Ave.	182 B 5	Property Owner	Downspout		6/20/2005		Newly Identified	Confirmed Not Illegal
46.	3602 Chesholm Rd.	180 A 15	Property Owner	Downspout		5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
47.			Property Owner	Downspout		5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
48.	6708 Park Heights Ave.		Property Owner	Downspout		5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
49.	4214 Groveland Ave.		Property Owner	Downspout		5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
50.	4414 Groveland Ave.		Property Owner	Downspout		5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
51.	2705 Queen Anne Ave.		Property Owner	Downspout		5/9/2005	Positive	Newly Identified	Confirmed Not Illegal
52.	5614 Seward Ave		Property Owner	Swimming Pool		8/9/2011	Positive	Illegal	A letter dated 12/9/11 was sent to the property owner requesting that the drain be disconnected from the sanitary line. The illegal connection was removed by the owner.
53.	5207 Roland Ave		Property Owner	Downspout		12/27/2016	Positive	Illegal	A letter dated 1/3/17 was sent to the property owner requesting that the drain be disconnected from the sanitary line. The illegal connection was removed by the owner.

APPENDIX 4

PUMPING STATION WORK ORDERS

Co. No.	Area	Machine No.	Machine Description	MD	Plnr	Short Problem Description	Full Problem Description	Req. Code	Craft	MD Issue Date	Wk Sht Issue Typ
Ho.	Area	Machine No.	Machine Description	Sts	Prtg Code	Code	Number	By	Code	Date	cls
11	CLINT	991125	CLINTON ST. FORCE MAIN	25	4	M/A	13-01374	PK	PFMG	20121219	M51
							Total * PFMG * Work Orders:				
							COUNT 1				
							Area * * Work Orders:				
							COUNT 1				
14			PUMPING ST BRKLYN 951000 FACILITY, GROUNDWATER PUMPING	25	3		14-80991	CS	BLDG	20131021	M18
15			FACILITY, GROUNDWATER PUMPING	25	30		12-80842	US		20140913	M08
16			FACILITY, GROUNDWATER PUMPING	25	4		13-82703	CS		20130611	M58
17			FACILITY, GROUNDWATER PUMPING	25	4		15-80820	MH		20141006	M88
18			FACILITY, GROUNDWATER PUMPING	25	4		15-82249	CS		20150520	M15
19			FACILITY, GROUNDWATER PUMPING	25	4		15-82654	1		20150626	M15
20			FACILITY, GROUNDWATER PUMPING	25	30		15-81059	CS		20150505	M15
21			FACILITY, GROUNDWATER PUMPING	25	30		16-82143	CS		20160314	M18
22			FACILITY, GROUNDWATER PUMPING	25	4		14-81687	CS		20140114	M08
23			FACILITY, GROUNDWATER PUMPING	25	4		14-81940	JAP		20140220	M58
24			FACILITY, GROUNDWATER PUMPING	25	4		14-82463	CS		20140512	M71
25			FACILITY, GROUNDWATER PUMPING	25	4		14-82882	CS		20140604	M15
26			FACILITY, GROUNDWATER PUMPING	25	4		15-81061	CC		20150105	M26
27			FACILITY, GROUNDWATER PUMPING	25	4		15-81652	MJ		20150302	M26
28			FACILITY, GROUNDWATER PUMPING	25	4		15-81871	MJ		20150311	M18
29			FACILITY, GROUNDWATER PUMPING	25	4		15-82656	1		20150626	M15
30			FACILITY, GROUNDWATER PUMPING	25	4		18-80284	MJ		20170711	M48
31			FACILITY, GROUNDWATER PUMPING	25	4		18-80744	WD		20170905	M15
32			FACILITY, GROUNDWATER PUMPING	25	2		15-81860	CS		20150306	M35
33			FACILITY, GROUNDWATER PUMPING	25	30		13-82260	US		20130501	M08
34			FACILITY, GROUNDWATER PUMPING	25	30		15-80621	RRJ		20140924	M18
35			FACILITY, GROUNDWATER PUMPING	25	30		15-81017	CS		20141110	M08
36			FACILITY, GROUNDWATER PUMPING	25	30		15-81022	CS		20141114	M15
37			FACILITY, GROUNDWATER PUMPING	25	30		15-81033	CS		20141125	M08
38			FACILITY, GROUNDWATER PUMPING	25	30		16-81106	MJ		20151106	M28
39			FACILITY, GROUNDWATER PUMPING	25	30		16-82127	MJ		20160310	M15
40			FACILITY, GROUNDWATER PUMPING	25	30		16-82156	CS		20160323	M15
41			FACILITY, GROUNDWATER PUMPING	25	30		16-82373	CS		20160425	M15
42			FACILITY, GROUNDWATER PUMPING	25	30		16-82624	CS		20160509	M15
43			FACILITY, GROUNDWATER PUMPING	25	30		17-81669	WD		20170117	M02
44			FACILITY, GROUNDWATER PUMPING	25	30		17-81666	1		20170131	M19
45			FACILITY, GROUNDWATER PUMPING	25	30		17-82103	WD		20170302	M15
46			FACILITY, GROUNDWATER PUMPING	25	30		18-80765	MJ		20170920	M08
47			FACILITY, GROUNDWATER PUMPING	25	4		14-81677	CS		20140306	M58
48			FACILITY, GROUNDWATER PUMPING	25	4		15-80004	CS		20140707	M35
49			FACILITY, GROUNDWATER PUMPING	25	4		15-80020	CS		20140723	M26
50			FACILITY, GROUNDWATER PUMPING	25	4		15-80828	CS		20141009	M68
51			FACILITY, GROUNDWATER PUMPING	25	4		15-81867	MJ		20150310	M26
52			FACILITY, GROUNDWATER PUMPING	25	4		15-81868	MJ		20150310	M26
53			FACILITY, GROUNDWATER PUMPING	25	4		15-81869	MJ		20150310	M26
54			FACILITY, GROUNDWATER PUMPING	25	4		15-82653	1		20150626	M15

Co. No.	Area	Loc.	Machine Number	Machine Description	MI Sts	Plnr Pnty Code	Hubnr	Short Problem Description	Full Problem Description	Req. Code	Craft Code	MD Issue Date	Mrk Snt Typ	Snt
11	PUMPING ST	EASTER	911818	FOUNTAIN WATER	25	4	16-80002		BLDS-LDN WATER PRESSURE H. H. JOHNSON 6-4972	HJ	BLDG	20150708	H15	
			EASTER 916000	BUILDING, ENER. GENERATOR	25	4	16-81321		BLDG-REPAIR OUTSIDE WALL SEE MENDALL FUMBER	JEN		20151207	H50	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	16-81695		BLDS-REPLACE SCREENS ON SC DOOR CHASSIS? stielper 64972	CS		20160106	H08	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	16-82129		BLDS- REPAIR TOILET IN FR MILL HOT FLUSH	HJ		20160310	H15	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	16-82132		BLDS-UNBLOCKED DRAIN AT T leading to wet well	HJ		20160311	H35	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	16-82822		BLDG- CARP-MAKE TABLE FOR REE BY R DARTON JR	REJ		20160621	H68	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	16-82828		BLDG- CONSTRUCT PLATFORM T bar screen at eastern ave p.s. see Dean Adolfo	JEN		20160628	H68	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	17-80379		BLDS- TO BUILD A 10'x8' LU transformer room increase of the gases fumes are coming	CS		20160830	H15	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	17-80401		BLDS-NEED FOUR PIECES OF Four new desk	HJ		20160916	H68	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	17-82794		BLDS-MAKE STEP STAIR FOR REE BY R. HOOKS 69733	HJ		20170517	H68	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	17-82812		BLDS-REPLACE MISSING CEIL TWO FRONT OFFICES	HJ		20170612	H15	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	17-83056		BLDS-REPLACE MISSING CEIL TWO FRONT OFFICES	HJ		20170711	H08	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	18-80285		BLDS-INSTALL 2 PAPER TUBE FOR THE LARGE ROLL OF PAPER TUBE	HJ		20170711	H08	
			HILAND 961000	FACILITY, HIGHLANDTOWN	25	30	17-80366		BLDS-REPAIR BROKEN WINDOW N. JOHNSON 6-4972	HJ		20160819	H15	
			JF 920012	METER, OVERBOARD LEVEL	25	30	14-82473		BLDG-CARP- MAKE BOX/COVER REE BY R DARTON JR	REJ		20140516	H08	
			JF 921000	FACILITY, JONES FALLS	25	30	14-82481		BLDS/REPAIR- HINGE ON UFTI stielper 64972	CS		20140522	H15	
			JF 920891	PLE/LOCAL CONTROL STATION	25	30	15-82347		BLDG-INSTALL PLYWOOD TO H REE BY C. STIELPER	CS		20150519	H68	
			JF 921000	FACILITY, JONES FALLS	25	30	17-81041		BLDS/UNCLUB FLOOR DRAIN FLOOR DRAIN IS STUPPED UP UDORHOCK 6-4972	UD		20161103	H35	
			JF 921000	FACILITY, JONES FALLS	25	4	13-81912		BLDS/REPAIR FRONT DRAIN CC stielper 64962	CS		20130327	H08	
			JF 921000	FACILITY, JONES FALLS	25	4	14-80990		BLDS- REPAIR ROOF LEAK C vent pipe J stielper 64972	CS		20131021	H18	
			JF 921000	FACILITY, JONES FALLS	25	4	14-82432		BLDS/ REPAIR OFFICE WINDOW stielper 64972	CS		20140423	H15	
			JF 926702	FOUNTAIN WATER COOLER	25	4	15-82652	1	BLDS/HA-REPAIR OR REPLACE WATER COOLER	HJ		20150626	H15	
			JF 921000	FACILITY, JONES FALLS	25	4	16-80407		BLDS-REPLACE LARGE PAPER IN bathroom	HJ		20150818	H15	
			JF 921000	FACILITY, JONES FALLS	25	4	16-81311		BLDS-REPAIR TUBET, RUMRIN N. JOHNSON 6-4972	HJ		20151202	H15	
			JF 926701	HEATER, WATER	25	4	16-82804		BLDS-REPLACE HOT WATER HE H. JOHNSON 6-4972	HJ		20160607	H15	
			JF 921000	FACILITY, JONES FALLS	25	4	16-82807		BLDS-UNCLD ROOF DRAIN/WH N. JOHNSON 6-4972	HJ		20160609	H08	
			JF 921000	FACILITY, JONES FALLS	25	4	16-82829		BLDG-BUILD PLATFORM FOR G at Jones Falls p.s. see Dean Adolfo	JEN		20160628	H68	
			JF 921000	FACILITY, JONES FALLS	25	4	17-80377		BLDS-REPAIR TUBET, KEEP R PLAY WITH THE HANDLE TO STOP IT FROM RUM	HJ		20160829	H71	
			JF 921000	FACILITY, JONES FALLS	25	4	17-81288		BLDS-UNCLUB ROOF DRAIN, DR H. JOHNSON 6-4972	HJ		20161227	H35	
			JF 928101	PANEL #1 SEAL WATER CONTR	25	4	18-80759		BLDS-WOULD LIKE TO HAVE A plexiglass put over top of sealing water control	HJ		20170913	H68	
			JF 928102	PANEL #2 SEAL WATER CONTR	25	4	18-80760		BLDS-WOULD LIKE TO HAVE plexiglass put over top of sealing water control	HJ		20170913	H68	
			JF 921000	FACILITY, JONES FALLS	25	4	18-80771		BLDS-PAINT DIESEL TANK ON Diesel tank and fuel lines are rusty	HJ		20170928	H26	
			LUCPO 985000	FACILITY, LOCUST POINT	25	30	12-80836		BLDS-CINDER BLOCKS APART door Frame. Sullivan 6-4972	US		20110913	H08	
			LUCPO 985000	FACILITY, LOCUST POINT	25	4	14-82487		BLDS/REPLACE TOILET CORAC stielper 64972	CS		20140530	H15	
			LUCPO 985000	FACILITY, LOCUST POINT	25	4	16-80006	1	BLDS-FOUNTAIN WATER/GROUNE H. JOHNSON 6-4972	HJ		20150708	H15	
			MCSF 975000	FACILITY, MCCORMS	25	30	16-80009		BLDG-1ST FLOOR DRAIN CLOG REE BY C. STIELPER	CS		20150709	H35	
			RHWD 935806	FOUNTAIN WATER	25	4	15-82657	1	BLDS/HA-REPAIR OR REPLACE COOLER	HJ		20150626	H15	
			RHWD 931000	FACILITY, ROAD AVENUE	25	4	17-81650		BLDS-REPAIR SCREEN DOORS. coming off the hinges	HJ		20170119	H08	
			HSPTF 971000	FACILITY, WESTPORT	25	4	13-80582		BLDG-RAIN SPIDTS NEED REP stielper c 64972	CS		20120828	H08	
			HSPTF 971000	FACILITY, WESTPORT	25	4	15-82655	1	BLDS/HA-REPAIR OR REPLACE COOLER	HJ		20150626	H15	
Total * BLDG * Work Orders: COUNT 82														
06KLVH	950042	LDDP	020	MECH. DRR SCREEN	25	4	18-80776		ELPCS-REPAIR E. STOP MILL screen From running	HJ	ELCPS	20170929	H21	
CLINT	991004	PUMP	GRINDER #3 (STA. #3)	25	30	18-80487	1	ELCPS-ADHPS-CHECK #3 PUMP #3 pumping not working vdmooch 6-4016	UD		20170804	H15		
DUNRAL	943101	SCREEN	#1 DRR	25	30	18-80492		ELCPS-REPAIR #1 DRR/SCREEN repair #1 barscreen arm it came off vdmooch 6-4016	UD		20170807	H15		
DUNRAL	947503	FAH	FRY-3 EXHAUST(RDIF)	25	4	18-80751		ELCPS-WONT COME ON REE BY C. STIELPER	CS		20170907	H21		
EASTER	916909	VALVE	6V-9 GATE(VAULT 1C?)	25	30	16-80640		ELCPS/ REPAIR REPLACE VAL CHDA not working? stielper 64972	CS		20150902	H21		
EASTER	916910	VALVE	6V-10 GATE(VAULT 1C?)	25	30	16-80641		ELCPS/ REPAIR OR REPLACE CHDA not working? stielper 64972	CS		20150902	H21		

Co. No.	Area	Machine No.	Machine Description	HD	Sts	PLor Code	PLor Number	Short Problem Description	Full Problem Description	Req. Code	By	Issue Date	Wk Sht	Typ	CLs
11	PUMPING ST	EASTER 916901	VALVE, 60-1 GATE (HAULT #1)	25	30	16.80642		ELCOPS / REPAIR REPLACE VAL (HMA Not working) stielperc 64972		CS	ELCOPS	20150902	421		
		EASTER 911000	FACILITY, EASTERN AVENUE	25	30	16.80646		ELCOPS REPAIR VALVE OPERA (HMA switches not working) J stielperc 64972		CS		20150902	421		
		EASTER 911000	FACILITY, EASTERN AVENUE	25	4	16.81334		ELCOPS-REPLACE LIGHTS IN P ceiling. 13 light are out		WJ		20151214	420		
		EASTER 911000	FACILITY, EASTERN AVENUE	25	4	18.80761		ELCOPS-REPLACE LIGHTS IN 0 replace lights in male and female locker rooms vduanoock		WJ		20170915	420		
		EASTER 917104	PUMP, SUMP, PIER 6	25	4	18.80762		ELCOPS-CHECK STATOR OPERA working on automatic		WJ		20170919	415		
		EASTER 915503	FAN, EXHAUST	25	4	18.80770	1	HA/ELCOPS-INSPECT UNIT FUR (Roof Fan screen room tripping out) J stielperc 64972		CS		20170928	415		
		EASTER 916213	LOAD BANK, ENER. GENERATOR	25	4	18.80772		ELCOPS-ASSIST CONTRACTOR I start up test		WJ		20170928	452		
		EASTER 181000	ACD, 13KV DRAWOUT - FDR	25	4	18.80773		ELCOPS-CLEAN FILTER TO REC Attention: Keith Rignout		WJ		20170928	424		
		EASTER 916211	GENERATOR, ENER. SET #1 (GEN)	25	4	18.80775		ELCOPS-REPLACE ALL DEAD BA H. JOHNSON		WJ		20170928	460		
		JF 926301	GENERATOR, EMERGENCY SET	25	30	17.82807		ELCOPS-CHECK GENERATOR ENR generator exerciser timer needs to be checked has not ran		WJ		20170512	480		
		JF 920018	BUBBLER, (METHELL)	25	4	17.83834		ELCOPS-REPLACE FLIRT IN ME bad		WJ		20170206	415		
		JF 924201	MOTOR, #1 BAR SCREEN	25	4	18.80286		ELCOPS-MAKE REPAIRS TO MHT (not operating) J & stielperc 64972		CS		20170711	421		
		JF 928102	PANEL #2 SEAL WATER CURTIN	25	4	18.80752	1	ELCOPS/ACHP-SYSTEM HIGH P REE BY C. STEELPER		CS		20170907	441		
		JF 921000	FACILITY, JONES FALLS	25	4	18.80774		ELCOPS-REPAIR LIGHTING ON dry well		WJ		20170928	424		
		LOPDP 988101	PUMP, SUMP	25	4	18.80756		ELCOPS-CHECK SUMP PUMP sump pump not pumping and is spraying water vduanoock-6-5194		WJ		20170912	446		
		MCST 978102	PUMP, SUMP #2	25	4	18.80501		ELCOPS-CHECK #2 SUMP PUMP #2 SUMP PUMP NOT WORKING WHEN IN HAND MODE vduanoock-6-5194		WJ		20170821	421		
		MCST 978102	PUMP, SUMP #2	25	4	18.80502		ELCOPS-CHECK #2 SUMP PUMP #2 sump pump not pumping in hand mode vduanoock-6-5194		WJ		20170821	415		
		MCST 978102	PUMP, SUMP #2	25	4	18.80502		ELCOPS-#2 SUMP PUMP NOT WORKING in hand mode vduanoock-6-5194		WJ		20170821	421		
		MCST 977201	MOTOR, PUMP ROOM FAN	25	4	18.80757	1	ELCOPS/ACHP-S #2 SUPPLY FAN FAILED CHECK AND REPAIR vduanoock		WJ		20170912	421		
		MCST 977801	SWITCH, TRANSFER	25	4	18.80767		ELCOPS-CHECK TRANSFER SWITCH verify display weather info is correct vduanoock 6-5194		WJ		20170921	438		
		QU00 933101	SCREEN, BAR	25	4	17.82813		ELCOPS-CHECK BAR SCREEN FA TORQUE		WJ		20170518	435		
Total * ELCOPS * Work Orders: COURT 27															
31		CAROL 985300	FACILITY, CAROLINE ST. P. S.	25	30	16.80651		GRDS / VAC CURT TO CLEAN stielperc 64972		CS	GRDS	20150910	445		
		CAROL 985300	FACILITY, CAROLINE ST. P. S.	25	30	16.80883		GRDS / VAC TRUCK TO CLEAN stielperc 64972		CS		20151006	445		
		CAROL 985302	PUMP, STEERN DRAIN #2	25	4	16.80875		GRDS-REPOSITION PUMP TO S SEE KEITH RAYNOR. REE BY J. HARDOCK 6-9748		JCH		20151005	434		
		DURDAL 941203	MOTOR, SEWAGE PUMP #3	25	2	17.81301		GRDS-RODA TRUCK TO DELI Dumdalk stielperc 64972		CS		20170109	434		
		DURDAL 941000	FACILITY, DUNDALK PUMPING	25	4	16.81877		GRDS-DUMM TRUCK NEEDED TO STATION. REE BY H. HODKS 69733		WJ		20160204	434		
		EASTER 919034	DUMPFSTER, (HORTH)	25	30	15.82070		GRDS-HEED VAC-ALL TRUCK westport screen room dumpster (dumster full)		WJ		20150421	415		
		EASTER 911000	FACILITY, EASTERN AVENUE	25	30	17.81290		GRDS-HEED TRUCK TO REED From lot and deliver to BR stielperc 64972		CS		20170103	434		
		EASTER 919034	DUMPFSTER, (HORTH)	25	30	17.81645		GRND-REMOVE DUMPFSTER FROM DUMPFSTER NEEDED TO BE TAKEN TO BACK RIVER DUMP vduanoock-6-4972		WJ		20170112	434		
		EASTER 911104	PUMP, SEWAGE #4	25	4	16.80026		GRDS-DUMM TRUCK TO DELIVE ENBLY TO EASTERN AVE. P.S. DUE DATE OF 7/72/15. REE BY H. HODKS		WJ		20150721	434		
		HILAND 961000	FACILITY, HIGHLANDTOWN	25	30	17.00024	2	GRDS/ELCOPS DELIVER BEN station for eng use stielperc 64972		CS		20160726	434		
		JF 921000	FACILITY, JONES FALLS	25	4	17.80403		GRDS-ASSISTANCE WITH BOEN TO TRANSFURT SCREER ASS. TO STATION. REE BY H. HODKS 69733		WJ		20160921	434		
		STRUN 991134	PUMP, RAW SEWAGE #4 H/MOTO	25	4	17.81085		GRDS-DELIVER MOTOR TO TEA req k rignout		KCR		20161206	434		
		HSPT 973707	DUMPFSTER, #1	25	30	17.82132		GRND-HEED-DUMPFSTER NEEDED I dumpster needs to be vac-hauled out vduanoock 6-4972		WJ		20170313	424		
		HSPT 973708	DUMPFSTER #2	25	30	17.83065		GRND-CLEAN OUT DUMPFSTER I dumpster is full and need vac-haul vduanoock-6-5194		WJ		20170619	445		
		HSPT 973708	DUMPFSTER #2	25	4	17.80827		GRDS-VAC TRUCK TO CLEAN stielperc 64972		CS		20161102	445		
Total * GRDS * Work Orders: COURT 15															
46		BRKLYN 955301	FAN, #1 EXHAUST (IN ROOF FD)	25	4	15.81029		HA-REPLACE BELT REE BY J. HARDOCK 6-9748		JCH	HA	20141124	466		
		BRKLYN 957701	FOURTRAIN, DRINKING WATER	25	4	15.82654	2	BUDS/HA-REPAIR DR REPLACE cooler		WJ		20150626	415		
		CAROL 985603	AIR CONDITIONER (WJHODM)	25	30	15.82346		HA /REPLACE AC UNIT (OLDM stielperc 64972		CS		20150518	415		
		CAROL 985603	AIR CONDITIONER (WJHODM)	25	30	16.80378		HA/ REPLACE AC UNIT C HA stielperc 64972		CS		20150804	415		
		DURDAL 947507	FAN, EF-4 EXHAUST (ROOF)	25	30	16.80020		HA- NOT WORKING HA AIR stielperc 6 4972		CS		20150715	415		
		DURDAL 947803	FOURTRAIN, WATER	25	4	15.82656	2	BUDS/HA-REPAIR DR REPLACE cooler		WJ		20150626	415		

Co. No.	Area	Loc.	Machine Number	Machine Description	HW SCS	Plnr Prty Code	Number	Short Problem Description	Full Problem Description	Req. Code	Crft Issue Date	HW Issue Date	Wk Sht Typ	Slk
11	PUMPING ST	EASTER 915500	FAN EXHAUST (EAST)		25	30	14.80009	2	HA/ELCP/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	H21	
			EASTER 915510	FAN EXHAUST	25	30	14.80012	2	HA/ELCP/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	H21	
			EASTER 915417	AIR HANDLING UNIT AND CHI	25	30	16.80389	1	HA/PEM/ KEEPS SWITTING D stielperc 64972	CS	HA	20150811	H19	
			EASTER 915417	AIR HANDLING UNIT AND CHI	25	30	16.82637	1	HA/PEM/ REPAIRS CHILLER & no control power J stielperc 64972	CS	HA	20160531	H19	
			EASTER 915501	FAN EXHAUST #1	25	30	16.82821	2	HA/ELCP/ADJUST BELT, REPA joint.	CS	HA	20160621	H66	
			EASTER 915417	AIR HANDLING UNIT AND CHI	25	30	18.80003	2	HA/UNCLG LIME TO UNIT, UN ed	HJ	HA	20170705	H35	
			EASTER 915503	FAN EXHAUST	25	4	13.82715	0	HA-REPAIR FAN CRIPPED 0 load-stielperc 64972	CS	HA	20130618	H21	
			EASTER 915404	HEATER UNIT #4(PUMP FLR)	25	4	13.82722	2	HA/REPAIR LEAKING HEATER stielperc 64972	CS	HA	20130624	H18	
			EASTER 915413	HEATER UNIT #1	25	4	14.81698	2	ELCP/HA-REPAIR HEATER UN stielperc 64972	CS	HA	20140124	H15	
			EASTER 915414	HEATER UNIT #2	25	4	14.81699	2	ELCP/HA-REPAIR HEATING F stielperc 64972	CS	HA	20140124	H15	
			EASTER 915415	HEATER UNIT #3(GRD FLOOR)	25	4	15.81629	0	HA-REPLACE HEAT/AC UNIT I stielperc 64972	CS	HA	20150205	H19	
			EASTER 911818	FOUNTAIN WATER	25	4	15.82653	2	BLOS/HA-REPAIR DR REPLACE cooler	HJ	HA	20150626	H15	
			EASTER 911000	FACILITY, EASTERN AVENUE	25	4	15.82670	0	HA -REPAIR DRAIN LINE 0 OFFICE	HJ	HA	20150630	H39	
			EASTER 919603	MACHINE, ICE W/FLTERS	25	4	16.80873	0	HA-REPAIR ICE MAKER UNIT M H. JOHNSON 6-4972	HJ	HA	20151002	H19	
			EASTER 915101	BOILER #1	25	4	16.80882	0	HA-REPLACE PRESSURE RELIEF valve is bad	HJ	HA	20151006	H15	
			EASTER 915201	PUMP, RECIRC. #1(BOILER)	25	4	16.81689	1	RECP/HA- ASSIST CLEAN PU stielperc 64972	CS	HA	20160105	H15	
			EASTER 915501	FAN EXHAUST #1	25	4	16.82372	2	HA/ELCP/REPAIR FAN CLOUD stielperc 64972	CS	HA	20160921	H25	
			EASTER 915509	FAN EXHAUST	25	4	18.80770	2	HA/ELCP/INSPECT UNIT FOR GROOM fan screen room tripping out J stielperc 64972	CS	HA	20170928	H15	
			JF 927301	CONDENSING UNIT(KNOF ROOV)	25	30	16.82636	0	HA/ REPAIR A/C UNIT UPD R not working J stielperc 64972	CS	HA	20160531	H15	
			JF 927301	CONDENSING UNIT(KNOF ROOV)	25	30	17.00013	0	HA-REPAIR AC IN CONTROL R H. JOHNSON 6-4972	HJ	HA	20160713	H19	
			JF 927301	CONDENSING UNIT(KNOF ROOV)	25	30	17.81663	0	HA/ ADJUST FAN BELT DN #1 (very loose) stielperc 64972	CS	HA	20170131	H66	
			JF 921000	FACILITY, JONES FALLS	25	30	18.80783	0	HA-CONDENSING UNIT, ROOF, ROOM TRIPPING OUT.	CS	HA	20170919	H19	
			JF 926702	FOUNTAIN WATER COOLER	25	4	15.82652	2	BLOS/HA-REPAIR DR REPLACE water cooler	HJ	HA	20150626	H15	
			LUDPO 985000	FACILITY, LEGUAT POINT	25	4	16.80806	2	BLOS-FOUNTAIN WATERCOOLER H. JOHNSON 6-4972	HJ	HA	20150708	H15	
			MST 975000	FACILITY, MCCUMAS	25	30	17.93070	0	HA-REPAIR DR REPLACE AC U ROOM	HJ	HA	20170623	H19	
			MST 976901	FOUNTAIN WATER	25	4	16.80005	0	HA -WATER NOT COLD H. JOHNSON 6-4972	HJ	HA	20150708	H19	
			MST 976901	FOUNTAIN WATER	25	4	16.80005	0	HA -WATER NOT COLD H. JOHNSON 6-4972	HJ	HA	20150708	H19	
			QUAD 935806	FOUNTAIN WATER	25	4	15.82657	2	BLOS/HA-REPAIR DR REPLACE cooler	HJ	HA	20150626	H15	
			STRUM 991152	UNIT, AIRHANDLING #2	25	4	15.82019	0	HA/ADJUST BELT DN FAN NOT stielperc 6-4972	CS	HA	20150417	H25	
			STRUM 991151	UNIT, AIRHANDLING #1	25	4	17.00004	0	HA/ ADJUST BELT DN FAN NO stielperc 64972	CS	HA	20160705	H66	
			HSTPT 971000	FACILITY, WESTPORT	25	4	15.82655	2	BLOS/HA-REPAIR DR REPLACE cooler	HJ	HA	20150626	H15	
Total * HA * Work Orders:														
COUNT 37														
BRKLYN 956416	PANEL, SCADA I/O TERMINAL	25	30	17.83055	INSPS-CHECK SCADA UNIT COM H. JOHNSON 6-5194	HJ	INSPS	20170612	H15					
BRKLYN 956416	PANEL, SCADA I/O TERMINAL	25	4	17.83069	INSPS-REPROGRAM MODEN H. JOHNSON 6-5194	HJ	INSPS	20170620	H23					
BRKLYN 950018	DETECTOR, MET HELL GAS	25	4	18.00497	INSPS-CALIBRATE SENSORS I the sensors for the gas detection system in the wetwell	UD		20170816	H23					
BRKLYN 950036	LUMP 007, MELL LEVEL #2 CH	25	4	18.80777	INSPS- CALIBRATE SENSORS I the sensors for the gas detection system in the wetwell	CS		20171002	H15					
CAROL 985701	PUMP, STURN DRAIN #1	25	30	15.82350	2	ELCP/ INSPS-INVESTIGATE (over temp/over torq) when running for extended time stielperc	CS	20150520	H51					
CAROL 985705	SYSTEM, BUBBLER	25	30	16.81336	INSPS/ REPAIR LEVEL CONTROL (false reading) 64972	CS		20151217	H15					
CAROL 985300	FACILITY, CARLINE ST. P. S.	25	30	18.80305	INSPS-CHECK LEVEL DETECTOR level detector not reading vobnoock 6-4016	UD		20170731	H15					
CAROL 985701	CURTAINLLER, PUMP, #1	25	4	15.81484	1	INSPS/APS/CK-INVESTIGATE C not working in auto-stielperc 64972	CS	20150202	H21					
CAROL 985710	CONTROL, PLC	25	4	16.80884	INSPS-PLC SMOOER HAS DN P H. JOHNSON 6-4972	HJ		20151107	H21					
CAROL 985805	RECORDE, CHART, METWELL	25	4	16.81135	INSPS-CHECK RECORDER, NOT H. JOHNSON 6-4972	HJ		20151124	H21					
CAROL 985805	RECORDE, CHART, METWELL	25	4	17.81277	INSPS-REPLACE ARM DN RECD H. JOHNSON 6-4972	HJ		20161219	H15					
CAROL 985710	CONTROL, PLC	25	4	17.81283	2	INSPS/ELCP/CK-CHECK PLC COR H. JOHNSON 6-4972	HJ	20161223	H15					
CHARST 994901	COMPRESSOR, AIRKINSTRUMENT	25	4	18.80758	INSPS-PUT BLEED VALVE DN COMPRESSOR NEEDS A BLEED VALVE INSTALLED VOBNOOCK 6-5194	UD		20170912	H15					
DUNRAL 940017	MULTIPLR, GAS	25	4	13.82694	INSPS- CHECK FOR PROPER O RBN BY R VAKHIN UR	UD		20130607	H38					
DUNRAL 940002	FLSH INDICATING RECORDER/	25	4	14.80527	INSPS/ REPAIR UNIT NOT HD stielperc 6 4972	CS		20130812	H15					

Co. No.	Area	Loc.	Machine Number	Machine Description	Qty	Plar	Short Problem Description	Full Problem Description	Req. Qty	Craft Code	Issue Date	Unit	Sht
11	PUMPING ST	DUNDAL	940002	FLOW INDICATING RECORDER/	25	4	14.82194	INSPS/REPAIR CHART PER MD stielperc 64972	CS	INSPS	20140314	M15	
		DUNDAL	940006	RECORDER, MET HELL RUBBLER	25	4	15.82013	INSPS-REPLACE PER CARTRIDG REORDER(cartridge out of lmk)	MJ		20150413	M15	
		DUNDAL	940031	UNIT, RADAR #2, BARSGREEN	25	4	15.82034	INSPS-INSTALL NEW UN,TRASD H, Johnson 6-4972	MJ		20150430	M15	
		DUNDAL	940006	RECORDER, MET HELL RUBBLER	25	4	15.82625	INSPS/ CHANGE RECORDER TO stielperc 64972	CS		20150604	M15	
		DUNDAL	948626	PANEL, SCREEN RR, GAS ALARM	25	4	17.82153	INSPS-REPLACE GAS DETECTOR replace gas detector not working vduknock 6-5194	UD		20170331	M15	
		DUNDAL	940001	METER, FLOW TRANSMITTER	25	4	17.82801	INSPS-FLOW METER NEEDS FE Flow chart recorder needs pen to be replaced not working	UD		20170508	M15	
		EASTER	919509	SYSTEM, SCADA	25	30	15.82353	INSPS/ RESTORE COMMUNICAT station off line J stielperc 64972	CS		20150521	M44	
		EASTER	910018	ATMOSPHERE, ANALYZER	25	30	16.82627	INSPS/ REPLACE O2 SENSOR Cnot reading J stielperc 64972	CS		20160510	M15	
		EASTER	910009	TRANSMITTER, PRESSURE	25	30	17.80003	INSPS/ REPLACE TRANSDUCER readings stielperc 6 5194	CS		20160705	M15	
		EASTER	910029	TRANSDUCER, PRESSURE	25	30	17.83064	INSPS-CHECK CALIBRATION & check calibration on transducer readings out of range	UD		20170619	M23	
		EASTER	910017	COMBUSTIBLE GAS ALARM	25	4	12.80543	INSPS/ REPAIR METER NOT W stielperc 64972	CS		20110819	M23	
		EASTER	910017	COMBUSTIBLE GAS ALARM	25	4	13.80631	INSPS- CHECK FOR PROPER O RER BY R BARTON JR	UD		20121004	M23	
		EASTER	913102	SCREEN, DMR (SOUTH)	25	4	16.80885	2 INSPS/ELCPS-SOUTH RAKE HI RUN. M. Johnson 6-4972	MJ		20151009	M15	
		EASTER	910068	RECORDER, PRESSURE	25	4	17.82154	INSPS-REPAIR DR REPLACE A rph is loose on pressure recorder vduknock 6-4972	UD		20170403	M15	
		EASTER	910003	VENTURI, FLOW METERING	25	4	18.80766	INSPS-FLOW METER IS GIVIN reading. Need to be check	MJ		20170921	M23	
		FTHC	902203	SYSTEM, SCADA, MIDDEN	25	4	18.80293	INSPS-CHECK MIDDEN check morden program for proper operations vduknock-6-4016	UD		20170720	M23	
		HILAND	961001	CONTROLLER, PROGRAMMABLE	25	4	18.80294	INSPS-CHECK MIDDEN check morden not responding vduknock-6-4016	UD		20170721	M44	
		HILAND	961000	FACILITY, HIGHLAND/DNA	25	4	18.80509	INSPS-REPLACE FLOW METER no equipment number for the flow meter	MJ		20170828	M15	
		HILAND	960030	MIDDEN, SCADA	25	4	18.80517	INSPS-REPAIR MIDDEN MIDDEN REPAIRS/ HIT SCREEN /PLC--STIELPERC 64972	UD		20170831	M44	
		JF	920005	CONTROLLER, PROGRAMMABLE	25	30	15.80293	2 INSPS/ELCPS MAKE REPAIRS/ HIT SCREEN /PLC--STIELPERC 64972	CS		20140800	M15	
		JF	926301	GENERATOR, EMERGENCY SET	25	30	16.80414	2 INSPS/ ELCPS-INVESTIGATE breaker 52-6 fault J stielperc 64972	CS		20150820	M51	
		JF	920091	PLC/LOCAL CONTROL STATION	25	30	16.80430	INSPS/RESTORE BACK UP FLD to control scheme stielperc 6 4972	CS		20150901	M23	
		JF	928005	VFD #4 SEWAGE PUMP(CP3900)	25	30	16.80673	INSPS-REPAIR FAULT, MHTM REB BY C. STIELPER	CS		20150925	M41	
		JF	920018	RUBBLER, (METWELL)	25	4	12.81514	INSPS/ INSPECT FOR PROPER stielperc 64972	CS		20111123	M38	
		JF	920012	METER, DOWNBOARD LEVEL	25	4	14.82482	INSPS- REPLACE DAD UNIT REB BY R BARTON JR	UD		20140523	M15	
		JF	920016	MORTAR, DRG SCREEN GAS ONE	25	4	18.80850	INSPS-RECALIBRATE GAS MET light will not reset	MJ		20170828	M23	
		LOCPU	985029	RUBBLER, SYSTEM	25	30	16.80036	INSPS/REPAIR DR REPLACE C no pressure J stielperc 64972	CS		20150721	M21	
		LOCPU	985017	MORTAR, MULTI-GAS SYSTEM	25	4	17.81837	INSPS-REPAIR GAS METER(MD H. Johnson 6-4972	MJ		20170209	M21	
		LOCPU	985021	SCADA	25	4	17.82150	INSPS-REPAIR MIDDEN STARTD communicating	MJ		20170329	M15	
		LOCPU	987901	ALARM, COMBUSTIBLE GAS	25	4	17.82152	INSPS-REPLACE GAS DETECTOR replace gas detector not working vduknock6-5194	UD		20170331	M15	
		MST	975003	CONTROLLER, PROGRAMMABLE	25	30	17.82137	INSPS-CORRECT PLC MALFUNC C no process control J stielperc 64972	CS		20170320	M21	
		MST	975004	UPS, SYSTEM	25	30	17.82144	INSPS/REPLACE BATTERY TO stielperc 64972	CS		20170323	M15	
		MST	975017	MORTAR, MULTI-GAS SYSTEM	25	4	13.80630	INSPS-CHECK FOR PROPER OP REB BY R BARTON JR	UD		20141003	M38	
		MST	975029	RUBBLER	25	4	13.81908	INSPS/ REPAIR LEAK COLEED stielperc 64972	CS		20130327	M18	
		MST	975017	MORTAR, MULTI-GAS SYSTEM	25	4	16.80023	INSPS-CHECK GAS METER ALA CLEAR.	MJ		20150716	M41	
		MST	975017	MORTAR, MULTI-GAS SYSTEM	25	4	16.81879	INSPS-CHECK GAS METER, ALA OFF	MJ		20160204	M15	
		MST	975017	MORTAR, MULTI-GAS SYSTEM	25	4	17.80352	INSPS/ INSPECT UNIT UPERA alarm wont clear 64972	CS		20160804	M15	
		MST	975000	FACILITY, MCDMAS	25	4	17.81843	INSPS-REMOVE WIRE FOR LOW vduknock 6-4972	UD		20170216	M15	
		QUAD	932138	SYSTEM, SCADA	25	30	18.80753	INSPS-ORDER & ISOLATORS/S ATTENTION PRIN	UD		20170907	M28	
		QUAD	930002	FLOW INDICATING RECORDER/	25	4	14.82195	INSPS/REPAIR CHART PER MD stielperc 64972	CS		20140314	M15	
		QUAD	930017	DETECTOR, DRG SCREEN GAS	25	4	15.81043	INSPS- REPLACE DAD MORTAR REB BY R BARTON JR	UD		20141209	M15	
		QUAD	930002	FLOW INDICATING RECORDER/	25	4	16.81890	INSPS-DRG DR RECORDER HIT H. Johnson 6-4972	MJ		20160216	M23	
		QUAD	930018	DETECTOR, MET HELL GAS	25	4	16.82377	INSPS/ MAKE NECESSARY REP Cnot working J stielperc 64972	CS		20160427	M15	
		QUAD	930018	DETECTOR, MET HELL GAS	25	4	17.82151	INSP-REPLACE GAS DETECTOR replace gas detector not working vduknock 65194	UD		20170331	M15	
		STROK	991167	PANEL, VFD CONTROL #1(RSP)	25	4	17.82806	INSPS-REPLACE DRG SENSORS the sensors are bad in the met well area need to be replaced	UD		20170510	M21	
		STROK	991167	PANEL, VFD CONTROL #1(RSP)	25	30	15.82015	2 INSPS/ELCPS-REPAIR FAULT CF-8 over temp J stielperc 64972	CS		20150416	M15	
		STROK	991171	METER, FLOW METER	25	4	12.80847	2 INSPS/ELCPS-REPAIR FAULT CF-8 over temp J stielperc 64972	CS		20110916	M05	
		STROK	991174	PANEL, PLC	25	4	14.82454	INSPS/INSPECT FOR OPERATI stielperc 64972	CS		20140505	M15	
		STROK	991203	METER, INFLEUENT FLOW	25	4	16.80663	INSPS/ REPAIR REPLACE FLD C 36 " incoming not reading flow Jn stielperc 64972	CS		20150922	M15	

Co.	Machine	Machine Description	HD	Plnr	Short Problem Description	Full Problem Description	Req Code	Crft	HD	Work Sht
No.	Area	Loc. Area	Sts	Prty Code	Code	Number	By	Code	Issue Date	Typ Dtn
									Date	CLS
11	PUMPING ST STRUK	991171 METER, FLOW METER	25	4		18-80735	UD	IRSPS	20170911	MIS
INSPS-REPLACE ARM ON FLOW the arm on the flow recorder is ink is very light can not INST-TO ORDER DP TRANSMIT FOR REPLACEMENT. SEE C. Wells/R. Barton 6-9744 INSP-REPLACE GAS DETECTOR replace gas detector not working vduinook 65194										
Total * INST * Work Orders:						COUNT 66				
Total * INST * Work Orders:						COUNT 2				
08KLYH	951000	FACILITY, DRINKLYN PUMPING	25	4		18-80304	UD	HCFB	20170728	M39
DUNBAL	941102	PUMP, SEWAGE #2	25	4		17-00019	HH	20160719	439	
EASTER	9414	TRAILER, RIDING NUMBER, WITH	25	4		17-00005	CS	20160706	415	
EASTER	919034	DUMPSTER, (NORTH)	25	4		17-00020	HJ	20160719	439	
EASTER	919035	DUMPSTER, (SOUTH)	25	4		17-00021	HJ	20160719	439	
EASTER	9414	TRAILER, RIDING NUMBER, WITH	25	4		17-83074	GD	20170627	465	
JF	924302	DRIVE, #2 BAR SCREEN	25	4		16-81721	HH	20160127	454	
JF	924301	DRIVE, #1 BAR SCREEN	25	4		17-81956	HH	20161114	454	
JF	926732	PUMPSTER, JF200Z(SCREEN RN)	25	4		17-81285	HJ	20161227	415	
MST	978501	VALVE, CHECK (PUMP NEAR)	25	4		18-80307	HH	20170731	439	
ROAD	991202	MOTOR, #2 SEWAGE PUMP(SUB)	25	3		17-83070	THS	20170516	454	
STRUK	991126	FACILITY, STONEY RUN P.S	25	4		17-83076	HJ	20170628	415	
WSTPT	971000	FACILITY, WESTPORT	25	4		18-80499	UD	20170817	439	
HCFB-REPAIR WHEEL ON DUM wheel on dumpster came off vduinook 6-4016 HCFA-REPAIR WEAR RINGS SE H. HODKINS 69733 TR-REPAIR BEAT TRAILER J stielperc 64972 HCFB-REPLACE ALL FOUR, H. H. JOHNSON 6-4972 HCFA-REPAIR WHEELS, HILL H. JOHNSON 6-4972 HCFA-REPAIR BRAMP GATE AS W/RT LATCH BRKRN HELD, BENT. PARKED IN COMPOUND. THANK YOU. HCFA-FABRICATE NEW SHAFT REAR BY H. HODKINS 69733 HCFA-WAKE SIX STUB SHAFT S FOR THE STATION. REAR BY H. HODKINS 69733(SEE HALL) HCFA-REPLACE WHEEL, CORN H. JOHNSON 6-4972 HCFA-MACHINE SHAFT, REAR B 3 HCFA-REPAIR SHAFT REAR T. SMITH 6-9700 HCFA-PUT HASP ON ALL DUM Run Station HCFA-REPAIR LOCKING MECH the locking mechanism on the metal gate is bent vduinook 6-4 UD										
Total * HCFB * Work Orders:						COUNT 13				
08KLYH	952801	TANK, HYDRO-PNEUMATIC SEAL	25	4		14-80766	CS	HCPS	20131003	M38
CULGAT	949102	PUMP, STORM DRAIN(EAST)/R	25	30		16-81326	CS	20151208	415	
CULGAT	949100	FACILITY, COLGATE PUMP STA	25	4		14-82410	CS	20140402	415	
DUNBAL	941102	PUMP, SEWAGE #2	25	30		16-81345	HJ	20151230	452	
DUNBAL	944603	PUMP, VACUUM #3	25	30		17-83863	UD	20170616	415	
DUNBAL	947504	FOR PRV-4 MET WELL EXHAUS	25	30		18-80750	CS	20170906	448	
DUNBAL	945201	GENERATOR, EMERGENCY,	25	4		14-80810	CS	20130923	418	
DUNBAL	944401	STERILIZER, VACUUM PUMP #1&2	25	4		14-81936	'ES	20140212	415	
DUNBAL	941000	FACILITY, DUNBAL PUMPING	25	4		15-81635	HH	20150210	415	
DUNBAL	941103	PUMP, SEWAGE #3	25	4		15-81885	HH	20150325	427	
DUNBAL	946302	SCREEN, PUMP #2	25	4		15-82632	HJ	20150608	415	
DUNBAL	943101	SCREEN, #1 BAR	25	4		17-81654	UD	20170125	415	
DUNBAL	947504	FOR PRV-4 MET WELL EXHAUS	25	4		18-80746	UD	20170905	466	
EASTER	911101	PUMP, SEWAGE #1	25	4		15-81030	CS	20141125	415	
EASTER	919026	FLOW, SHOWN #1	25	4		15-81032	CS	20141125	415	
EASTER	919002	NUMBER, RIDING GRANVELLY LN S	25	4		16-81116	CS	20151113	465	
EASTER	912403	PUMP, PUSH 20" W/OBEG/SHRP	25	4		17-82433	HJ	20160713	465	
EASTER	912101	VALVE, CORNE #1 PUMP	25	4		17-82433	HJ	20170410	418	
EASTER	912102	VALVE, CORNE #2 PUMP	25	4		17-82434	HJ	20170421	418	
EASTER	912103	VALVE, CORNE #3 PUMP	25	4		17-82435	HJ	20170421	418	
EASTER	912104	VALVE, CORNE #4 PUMP	25	4		17-82436	HJ	20170421	418	
HCPS-CHECK EXHAUS FAN IN exhaust fan not circulating air properly vduinook 6-5194 HCPS-CHECK EXHAUS FAN IN exhaust fan not circulating air properly vduinook 6-5194 HCPS-REPAIR #2 PUMP MECH BLOW apart HCPS-REPLACE VAC GAUGES METERS-STIELPER 64972 HCPS-PUMP OUT VALV FOR E. REAR BY H. HODKINS 69738 HCPS-REBUILD SPARE PUMP. 69738 HCPS/ELPS REPAIR EXHAUS H. JOHNSON 6-4972 HCPS/ELPS CHECK REARSH # 1 has screen stuck in wetwell vduinook 6-4972 ELPS-CHECK EXHAUS FAN IN exhaust fan not circulating air properly vduinook 6-5194 HCPS/ CHECK OIL IN BEARIN stielperc 64972 HCPS/ ASSIST OPERATIONS stielperc 64972 HCPS/ WERTENIZE TRACTOR stielperc 64972 HCPS- REPAIR NUMBER (HILL Attention: Hill nadaraz HCPS- REPACK CORNE VALVE H. JOHNSON 6-4972 HCPS- REPACK CORNE VALVE H. JOHNSON 6-4972 HCPS- REPACK CORNE VALVE H. JOHNSON 6-4972 HCPS- REPACK CORNE VALVE H. JOHNSON 6-4972										

Co.	Ro.	Area	Loc.	Machine Number	Machine Description	HD	Qty	Plar Code	HD	Short Problem Description	Full Problem Description	Req. Code	By	Craft Issue Date	HD Issue Date	Wrk Sht Typ	Cls
11		PUMPING ST	EASTER	912105	VALUE, COME #5 PUMP	25	4	17.82497		MCHPS-REPACK COME VALVE(L H. JOHNSON 6-4972		WJ	RCHPS	20170421	418		
				912023	MOTOR, RIDING GRANELY CLR S	25	4	17.83077		MCHPS-REPLACE BATTERY, REC 69733		WJ		20170629	415		
			JF	923304	PUMP, #4 SEAL WATER W/ MOTOR	25	4	16.81139		MCHPS-CHECK WATER SEALING WATER IS NOT GETTING TO THE MAIN PUMP PACKING		WJ		20151130	415		
			JF	928102	PANEL, #2 SEAL WATER CONTRS	25	4	18.80752	2	ELCP5/MCHPS-SYSTEM HIGH P REB BY C. STEIPEL		CS		20170907	441		
			LDLPO	985101	PUMP, SEWAGE A (SOUTH)	25	4	17.82793		MCHPS-INSTALL SADDLE OR D REB BY H. HINDS 69733		WJ		20170509	415		
			LDLPO	988101	PUMP, SUMP	25	4	18.80308		MCHPS-CHECK PVC PIPE FOR check the pvc pipe in the sump pump pit leaks when it's on		WJ		20170728	418		
			MCST	978102	PUMP SUMP #2	25	4	17.81661		MCHPS-INSTALL CHECK VALVE H. JOHNSON		WJ		20170130	415		
			MCST	978101	PUMP, SUMP #1	25	4	17.81662		MCHPS-INSTALL CHECK VALVE system.		WJ		20170130	415		
			MCST	977601	GENERATOR, EMERGENCY SET	25	4	18.80754		MCHPS-MODIFY GEN CIRCUIT estielperc 64972		CS		20170911	415		
			MCST	977201	MOTOR, PUMP ROOM FAN	25	4	18.80757	2	ELCP5/MCHPS-#2 SUPPLY FAN FAILED CHECK AND REPAIR VORWARDOK		WJ		20170912	421		
			000D	932102	VALUE, #2 PUMP COME(CO)SCHA	25	30	16.82628		MCHPS/ REPAIR VALV PACKING stielperc 64972		CS		20160512	415		
			000D	931201	MOTOR, #1 SEWAGE PUMP(C)SCHA	25	30	17.82135	2	ELCP5/MCHPS-REPAIR MOTOR(C H. JOHNSON 6-4972		WJ		20170314	421		
			000D	932302	OPERATOR, #2 PUMP COME VAL	25	4	14.82430	2	ELCP5/MCHPS-REPAIR OPERAT CORRECTLY) stielperc 74972		CS		20140423	415		
			000D	938102	ROTOR, MET WELL, LEVEL	25	4	14.82438		MCHPS/ASSTST INSPS WITH R PIPE IN well)-stielperc 64972		CS		20140425	415		
			000D	932102	VALUE, #2 PUMP COME(CO)SCHA	25	4	16.81712		MCHPS/ REPAIR LEAKING VAL stielperc 64972		CS		20160814	452		
			STWRN	991134	PUMP, ARM SEWAGE #4 W/ MOTOR	25	4	15.82017		MCHPS/INSPECT PUMP CHUMPI stielperc 64972		CS		20150416	415		
			STWRN	991135	PUMP, MET WELL, SUMP, COUTS1	25	4	16.80661	2	ELCP5/MCHPS- REPAIR PUMP (Colonged) stielperc 64972		CS		20150921	435		
			STWRN	991126	FACILITY, STONEY RUN P. S	25	4	17.80815		MCHPS/ REPLACE PRESSURE G (cont working) 64972 stielperc		CS		20161028	415		
Total * MCHPS * Work Orders: COUNT 40																	
EASTER 911106 PUMP, STANBURY SEWAGE 25 4 13.80655 MECH - REPAIR OIL PAN CL stielperc 64972																	
Total * MECH * Work Orders: COUNT 1																	
31				985701	CONTROLLER, PUMP, #1	25	4	15.81484	2	DPSEK/INSPS-INVESTIGATE C not working in auto-stielperc 64972		CS		20150202	421		
32				985701	CONTROLLER, PUMP, #1	25	4	16.82823	2	DPSEK/ELCP5-INSPECT DRIVE CHILL not run) stielperc 64972		CS		20160622	415		
33			DUNDAL	948103	CONTROL VFD #2 SEWAGE PUM	25	30	15.82329	3	DPSEK/INSPS/ELCP5-REPAIR BRUOND Fault-stielperc 64972		CS		20150505	441		
34			DUNDAL	948105	CONTROL VFD #4 SEWAGE PUM	25	30	16.80874	2	DPSEK- INVESTIGATE DRIVE C (for Current) stielperc 64972		CS		20151005	441		
35			DUNDAL	948103	CONTROL VFD #2 SEWAGE PUM	25	30	16.82641	2	ELCP5/DPSEK- REPAIR DRIVE FAULT) STIELPER 64972		CS		20160802	441		
36			DUNDAL	948104	CONTROL VFD #3 SEWAGE PUM	25	30	17.80383	2	ELCP5/DPSEK-CHECK #3 DRVU that will not clear		WJ		20160831	441		
37			EASTER	919509	SYSTEM SCADA	25	30	16.80878		DPSEK/ RESTORE COMMUNICAT system operations booth) stielperc 64972		WJ		20151006	415		
38			JF	928005	VFD, #4 SEWAGE PUMP(C)X900	25	30	15.82624		DPSEK-INVESTIGATE/REPAIR (CV-Pass) stielperc 64972		CS		20150603	441		
39			JF	928002	VFD, #1 SEWAGE PUMP(C)X900	25	30	16.80877		DPSEK-#1VFD IS TRIPPING 0 Fault		WJ		20151006	415		
40			JF	928004	VFD, #3 SEWAGE PUMP(C)X900	25	30	16.82635		DPSEK-MAKE REPAIRS TO DRU Faultst stielperc 64972		WJ		20160531	415		
41			JF	928002	VFD, #1 SEWAGE PUMP(C)X900	25	4	15.82362		DPSEK-REPAIR #1VFD FAULT(over temp.)		WJ		20150527	441		
42			JF	928104	PANEL, STATION ALARM	25	4	16.81117	1	ELCP5/DPSEK- RELOCATE THE Cont near from operating levels) stielperc 64972		WJ		20151116	441		
43			LDLPO	985000	FACILITY, LUCUST POINT	25	30	16.82175		DPSEK-ALARM DR PLC SCREEN critically low, may affect performance		WJ		20150405	423		
44			MCST	975003	CONTROLLER, PROGRAMMABLE	25	30	17.81655	2	DPSEK/INSPS-FAULT CODE 20 REB BY C. STEIPEL		CS		20170126	441		
Total * DPSEK * Work Orders: COUNT 14																	
48				951000	FACILITY, DUNDALKYR PUMPING	25	4	14.80684		PERG-ROOF LEAKING	PER BY C. STEIPEL	CS		20121030	458		
49			COLGAT	949501	MOTOR CONTROL CENTER	25	4	10.83537		PERE-INVESTIGATE ELECTRIC from dundalk pumping station may not be proper size for the		RLS		20100430	451		
50			DUNDAL	941000	FACILITY, DUNDALK PUMPING	25	30	15.80603	1	PERE/MCHPS- INSTALL SUMP vault stielperc 64972		CS		20140910	400		
51			DUNDAL	946101	CORRE, BRIDGE (15 TOR)	25	30	15.82645	2	ELCP5/PERG-MAKE REPAIRS T Cou up function pendant) stielperc 64972		CS		20150617	409		
52			DUNDAL	941000	FACILITY, DUNDALK PUMPING	25	4	12.80566		PERE- INSPSPECT ROOF VENT leaking stielperc 64972		CS		20110830	415		

Co. No.	Area	Loc. Number	Machine Number	Machine Description	HD Sits	PIpr Code	PIpr H/W Number	Short Problem Description	Full Problem Description	Req. Code	Craft Code	HD Issue Date	Trk Sht Typ	CL5
11	PUMPING ST	DURDAL 941000	FACILITY, DUMDALE PUMPING		25	4	TAD 12.80569	PENG-ROOF LEAKS NEEDS REP	requester r slaugton 6-9752	RLS	PENG	20110930	458	
		DURDAL 941000	FACILITY, DUMDALE PUMPING		25	4	TAD 13.80683	PENG-ROOF LEAKING	REQ BY C. STEELPER	CS		20121030	458	
		EASTER 916000	BUILDING, EHER GENERATOR		25	30	13.81592	P-INVESTIGATE CAUSE OF PDM	station. Sullivan 6-972	US		20130110	451	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4	RAZ 12.82123	2 PENG-INVESTIGATE POSSIBLE	a wall small mounted heater/chris 6-972	CS		20120124	422	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4	TAD 12.82363	PENG- REPAIR CONCRETE PAD	broken up tripping hazzard--see chris stielperc 6-972	CS		20120203	402	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4	TAD 12.83030	PENG/ INVESTIGATE ROOF DR	see chris 6-972	CS		20120425	451	
		EASTER 911000	FACILITY, EASTERN AVENUE		25	4	16.82362	PENG-PROVIDE AND INSTALL	CS SYSTEM AND SECURITY CAMERA SURVEILLANCE SYSTEM UPGRADES.	TG		20160419	409	
		FTMC 902000	FACILITY, FURT BENEHWY		25	4	0.12 12.80574	PENG-INVESTIGATE INSTAL	BACKUP GENERATOR/AUTO TRANSFER SWITCH FOR STATION.	JAD		20110831	451	
		HILAND 961000	FACILITY, HIGHLANDYDAR		25	4	0.12 12.81525	PENG/ INVESTIGATE 110 VLT	UPGRADE --(PER J HARRUCK) 6-972	CS		20111206	451	
		JF 921000	FACILITY, JAMES FALLS		25	4	TAD 12.80529	PENG-HAVE PHONE LINE	AND installed in upstairs UFD room stielperc 6-972	CS		20110809	444	
		JF 922001	PREVENTER, BACKFLOW/ROSENE		25	4	17.00015	PENG-REPAIR DRAIN FLOW	PER H. Johnson 6-972	HJ		20160714	409	
		LOPFO 985000	FACILITY, LOCHST POINT		25	4	14.81255	PENG/ RE-DIRECT BLOW OFF	stielperc 6-972	CS		20131219	415	
		STROM 991126	FACILITY, STONEY RNR P S		25	4	TAD 12.81199	PENG-INVESTIGATE PREMATUR	pump failure (operational problems or pump design) requester RLS	CS		20111005	451	
		STROM 991126	FACILITY, STONEY RNR P S		25	4	13.81600	PENG-INVESTIGATE PUMP	CAV well design problem stielperc 6-972	CS		20130115	451	
		ASTPT 971000	FACILITY, AESTPORT		25	4	NKA 13.80727	2 PENG-INVESTIGATE	INSTALL stielperc 6-972	CS		20121129	451	
Total * PENG * Work Orders: COURT 20														
Total * PM * Work Orders: COURT 1														
Total * STORM * Work Orders: COURT 1														
Area * PUMPING ST * Work Orders: COURT 319														
Total Co. * 11 * Work Orders: COURT 320														
DURDAL 947504 FAR, PRU-4 MET WELL EXHAUS 25 30 18.80750 2 PM/MCHFS- COORDINATE CARRI Stielperc 65194														
CLINT 991121 FACILITY, CLINTON STA. #1 25 25 15.80605 3 ELCS/MCHFS/STORM-NO PDM REQ BY J. HANDECK 6-9748														
JCA STORM 20140915 490														

APPENDIX 5

SUMMARY OF REPORTED OVERFLOWS

SSOs Structures

SSO No. 67

<u>Date</u>	<u>Surcharge Depth (in)</u>	<u>Rainfall (in)</u>
7/28/2017	95.25	2.58

SSO No. 72

<u>Date</u>	<u>Surcharge Depth (in)</u>	<u>Rainfall (in)</u>
7/28/2017	105.9	2.58

SSO No. 135

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

SSO No. 137

<u>Date</u>	<u>Surcharge Depth (in)</u>	<u>Rainfall (in)</u>
Flow monitor removed on July 1, 2015 for construction		

SSO No. 138

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



SSO No. 139

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

SSO No. 150

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

SSO No. 151

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

SSO No. 152

<u>Date</u>	<u>Surcharge Depth (in)</u>	<u>Rainfall (in)</u>
6/19/2017	1.51	1.40
7/1/2017	1.95	0.35
7/6/2017	1.39	1.54
7/28/2017	6.94	2.58
8/1/2017	5.76	0.49
8/12/2017	3.91	0.60
8/15/17	4.09	0.89
8/18/17	2.56	0.66

SSO No. 153

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

SSO No. 154

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



SSO No. 155

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

SSO No. 156

<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 September 30, 2017

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
7/1/2017	25,819	Rain	0.45	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
7/2/2017	5	Rags, Roots, Grease	0.00	N/A	2105 Hollins Ferry Rd	21230
7/2/2017	4	Roots	0.00	N/A	5115 Norwood Rd	21212
7/3/2017	5	Trash	0.00	N/A	3128 Weaver Ave	21214
7/3/2017	5	Roots	0.00	N/A	3303 Abell Ave	21218
7/4/2017	16	Rags, Trash	0.08	N/A	5809 Benton Heights Ave	21206
7/5/2017	50	Rags, Trash	0.00	N/A	6016 Bellona Ave	21212
7/6/2017	8,877	Rain	0.87	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
7/8/2017	22	Trash	0.00	N/A	4624 Reisterstown Rd	21215
7/11/2017	6	Rags, Grease	0.00	N/A	5306 Valiquet Ave	21206
7/13/2017	4	Roots, Trash	0.00	N/A	3407 Parkside Dr	21206
7/14/2017	10	Other	0.33	N/A	5708 Falls Rd (Private)	21209
7/14/2017	1	Other	0.33	N/A	2801 Annapolis Rd (Private)	21230
7/16/2017	4	Rags, Roots	0.00	N/A	3652 Elm Ave	21211
7/18/2017	6	Rags, Roots, Trash	0.09	N/A	337 N Charles St	21202
7/20/2017	2,705	Rags, Grease, Trash, Structural	0.00	Jones Falls	3600 Keystone Ave	21211
7/22/2017	0	Rags, Trash	0.10	N/A	2944 Keswick Rd	21218
7/27/2017	15	Rags, Grease, Trash	0.00	N/A	1300 E Northern Pkwy	21239
7/28/2017	4,693	Rain	2.70	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
7/28/2017	496,000	Rain	2.70	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
7/28/2017	2,233,000	Rain	2.70	Jones Falls	1901 Falls Rd - SSO #67	21217
7/28/2017	4,309,000	Rain	2.70	Jones Falls	428 E Preston St - SSO #72	21202
7/29/2017	10	Trash, Unknown	0.54	N/A	5070 Wabash Ave (Private)	21215
7/29/2017	589,000	Rain	0.54	N/A	1715 E Eager St	21205
7/31/2017	9,500	Grease, Trash	0.00	N/A	1910 Benhill Ave	21226
8/1/2017	66	Rags, Grease, Trash	0.24	N/A	Wyndholme Cir & Wyndholme Way (Private)	21228
8/1/2017	229,000	Rain	0.24	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
8/3/2017	45	Roots	0.45	N/A	119 S Augusta St	21229
8/3/2017	6,593	Rain	0.45	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
8/6/2017	280	Rags, Roots	0.00	N/A	2820 W North Ave	21216
8/7/2017	4,550	Rain	0.67	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
8/8/2017	15	Trash	0.01	N/A	1303 Belt St	21230
8/9/2017	305	Rags, Grease, Trash	0.00	N/A	851 Braddish Ave	21216
8/12/2017	3,000	Rain	0.62	Jones Falls	1901 Falls Rd - SSO #67	21217
8/12/2017	264,000	Rain	0.62	Jones Falls	428 E Preston St - SSO #72	21202
8/12/2017	1,500	Rain	0.62	Jones Falls	W Garrison Ave & Queensberry Rd - SSO #139	21215
8/12/2017	164,500	Rain	0.62	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
8/15/2017	464,500	Rain	0.89	Jones Falls	428 E Preston St - SSO #72	21202
8/15/2017	2,000	Rain	0.89	Jones Falls	1901 Falls Rd - SSO #67	21217
8/15/2017	103,500	Rain	0.89	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
8/16/2017	750	Rags, Grease, Trash	0.01	N/A	Broening Hwy & O'Donnell St	21224
8/16/2017	11	Rags, Roots, Trash	0.01	N/A	3014 Frisby St	21218
8/16/2017	1,464	Rags, Grease	0.01	N/A	600 N Bradford St	21205
8/17/2017	3	Rags	0.03	Jones Falls	3349 Falls Rd	21211
8/18/2017	16,000	Rain	0.87	Jones Falls	W Garrison Ave & Queensberry Rd - SSO #139	21215
8/18/2017	42,500	Rain	0.87	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
8/19/2017	755	Trash, Sand, Gravel, Rocks	0.04	N/A	2115 N Forest Park Ave	21207
8/19/2017	5	Roots, Trash	0.04	N/A	1419 W Mulberry St	21223
8/22/2017	450	Rags, Roots, Grease	0.10	Herring Run	2200 E Northern Pkwy	21234
8/23/2017	506	Rags, Grease, Trash	0.03	N/A	501 Beaumont Ave	21212
8/25/2017	44,250	Structural	0.07	Gwynns Falls	2501 W Lexington St	21223
8/26/2017	6	Rags, Roots	0.00	N/A	1015 W 37th St	21211
8/26/2017	10	Rags, Roots	0.00	N/A	1004 Reverdy Rd	21212
8/28/2017	95	Rags, Grease, Trash	0.00	N/A	5306 Valiquet Ave	21206
8/28/2017	292	Rags, Roots	0.00	N/A	1820 W Fayette St	21223
8/28/2017	5	Rags, Roots, Trash	0.00	N/A	2723 Louise Ave	21214
8/29/2017	1,860	Rags, Grease, Trash	0.69	Gwynns Falls	1915 Annapolis Ave	21230



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending September 30, 2017

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
9/1/2017	274	Rags, Roots, Trash	0.00	N/A	406 Kingston Rd	21229
9/1/2017	11	Rags, Roots	0.00	N/A	1806 Druid Hill Ave	21217
9/2/2017	1,500	Rain	0.69	Jones Falls	N Charles St & W Lanvale St - SSO #152	21202
9/3/2017	240	Rags, Grease	0.01	N/A	6100 The Alameda	21239
9/4/2017	192	Rags, Roots	0.00	N/A	605 E 35th St	21218
9/5/2017	102	Structural	0.64	Jones Falls	2918 Woodland Ave	21215
9/5/2017	104	Rags, Trash, Structural	0.64	N/A	1522 E Biddle St	21213
9/5/2017	500	Rain	0.64	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
9/6/2017	11	Rags, Trash	0.48	N/A	1809 Bolton St	21217
9/7/2017	2,140	Rags, Grease, Trash, Sand, Gravel, Rocks	0.00	N/A	E Preston St & Guilford Ave	21202
9/7/2017	10	Grease, Trash	0.00	N/A	6513 Eastern Pkwy	21214
9/8/2017	10	Rags, Grease	0.00	N/A	1628 Braddish Ave	21216
9/9/2017	5	Rags, Roots	0.00	N/A	412 E Biddle St	21202
9/11/2017	1,090	Rags, Trash	0.00	N/A	1100 Covington St	21230
9/12/2017	6	Rags, Roots, Trash	0.00	N/A	Deepdene Rd & Edgevale Rd	21210
9/12/2017	5	Rags, Roots, Trash	0.00	N/A	5813 Loch Raven Blvd	21239
9/12/2017	Ongoing	Structural	0.00	Gwynns Falls	2505 W Lexington St	21223
9/12/2017	8	Rags, Grease, Trash	0.00	N/A	711 N Payson St	21217
9/13/2017	14	Rags, Roots, Grease, Trash	0.10	N/A	421 E 22nd St	21218
9/14/2017	104	Grease, Trash	0.01	N/A	826 North Point Rd	21224
9/14/2017	900	Rags, Trash	0.01	N/A	709 Chesapeake Ave	21225
9/14/2017	141,000	Other	0.01	Jones Falls	N Charles St and W Lanvale St - SSO #152	21202
9/16/2017	8	Roots, Trash	0.00	N/A	6711 Park Heights Ave	21215
9/17/2017	7	Roots	0.00	N/A	3132 Guilford Ave	21218
9/18/2017	195	Rags, Grease, Trash	0.02	N/A	115 S Kresson St	21224
9/18/2017	1,290	Rags, Grease, Trash, Sand, Gravel, Rocks	0.02	Gwynns Falls	410 Brunswick St	21223
9/18/2017	214	Grease, Structural	0.02	N/A	2423 W Garrison Ave (Private)	21215
9/18/2017	74	Rags, Roots, Trash	0.02	N/A	Deepdene Rd & Edgevale Rd	21210
9/18/2017	4	Rags, Roots, Trash	0.02	N/A	3812 Reisterstown Rd	21215
9/19/2017	2	Rags, Roots, Trash	0.00	N/A	5502 Benton Heights Ave	21206
9/19/2017	4	Rags, Trash	0.00	N/A	2913 Windsor Ave	21216
9/21/2017	1,193,000	Grease, Trash	0.00	Jones Falls	N Charles St & W Lanvale St - SSO #152	21201
9/22/2017	4	Rags, Roots, Trash	0.00	N/A	4116 Fairhaven Ave	21226
9/22/2017	6	Rags, Roots, Trash	0.00	N/A	2563 Marbourne Ave	21230
9/23/2017	486	Rags, Grease, Trash	0.00	Gwynns Falls	300 S Bentalou St	21223
9/25/2017	48	Rags, Roots, Trash	0.00	N/A	6222 Benhurst Rd	21209
9/27/2017	4	Rags, Roots, Rain	0.00	N/A	302 E 33rd St	21218
9/29/2017	Ongoing	Structural	0.00	Jones Falls	3500 Parkdale Ave	21211
9/29/2017	4	Rags, Roots	0.00	N/A	3623 Old York Rd	21218
9/29/2017	10	Rags, Trash	0.00	N/A	1352 Cedarcroft Rd	21239

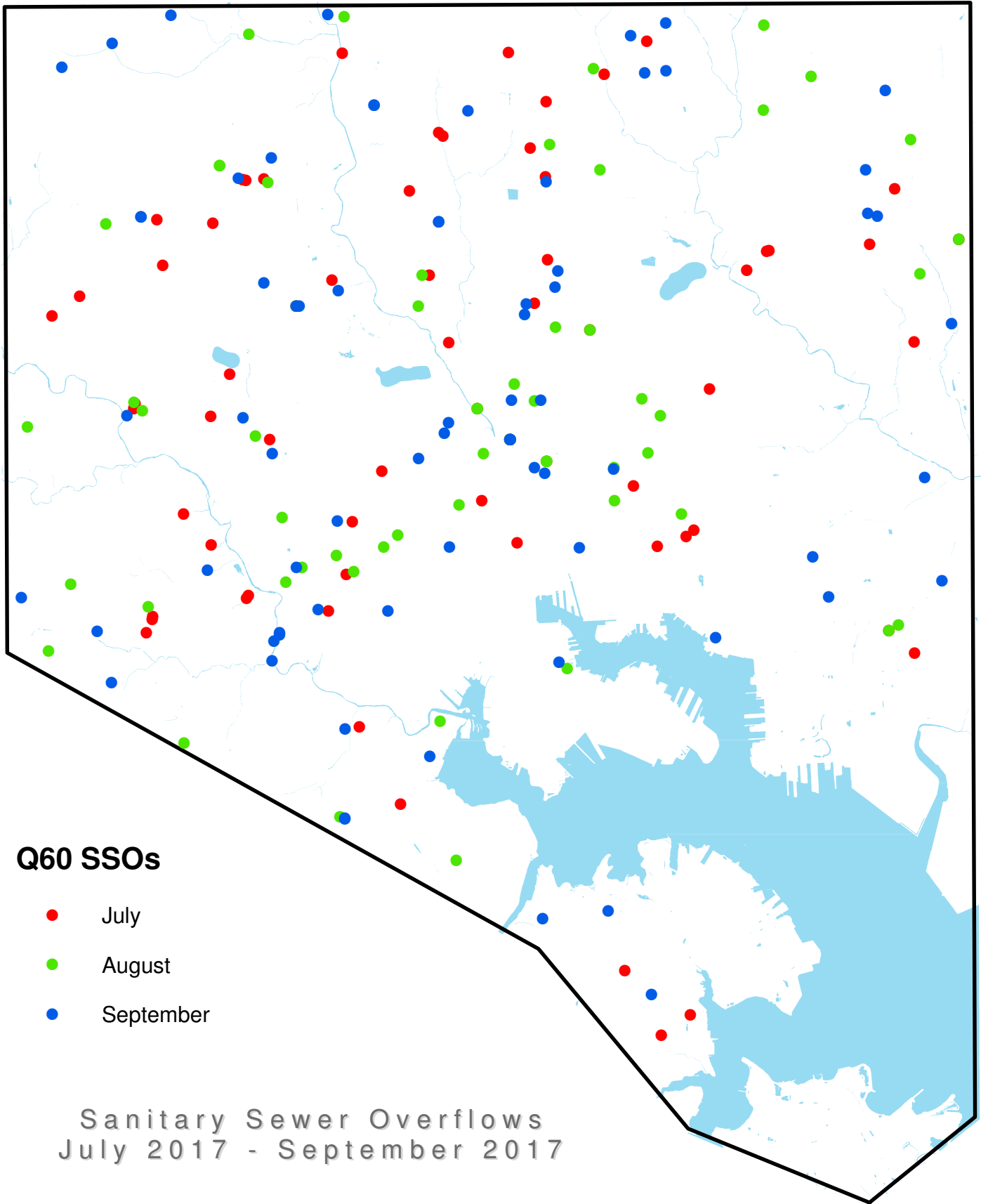


SDUOs
Updated through September 30, 2017

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 (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
3	16HB01	4/15/2016	Perkins homes (Private)	21017	Harbor	Resolved	545	549,360	Two laterals found leaking to the storm system. CCTV and dye testing have confirmed the leaking assets. Information was forwarded to property management. Contractor has been engaged to repair the leaking assets. DPW has been engaged to determine the scope of work and finalize the schedule. Work has been scheduled to be completed by December 2016. Owner (HABC) has been working on scheduling a contractor to repair sanitary line.	Work has been assigned. Waiting for assigned work to be completed to confirm abatement. Contractor has sent the schedule to complete the required work, work should be completed by Dec 2016. Owner is in the process of engaging contractor to perform the required abatement work. Communication is ongoing to find a resolution. SDUO is Abated.
4	16HB03	9/2/2016	Perkins Homes (Ballou Court) (Private)	21017	Harbor	Resolved	405	563,200	Damaged private sanitary line. Property management has been contacted to take action. Contractor was assigned to replace 150 ft. of sanitary line. Work should be completed by Dec. 2016. Owner (HABC) has been working on scheduling a contractor to repair sanitary line.	Work should be completed by Dec 2016. Owner is in the process to engage contractor to perform the required abatement work. Communication is ongoing to find a resolution. SDUO is abated.
5	16JF04	11/1/2016	2900 Block of Woodland Ave	21215	Jones Falls	Resolved	310	22,320	relatively high ammonia values. Sewage is leaving laterals in small volume. Lateral launching has been performed to determine the integrity of the laterals. 3 laterals have been repaired/lined. Sewage volume has dropped. Identified leaking House connection transferred to SSO on 3/10/2017 (SSO ID: 4747). Repairs have been completed. Monitoring system to clear residuals to confirm abatement.	More investigations are on-going to determine the source of the sewage. Work has been completed. In monitoring stage to confirm abatement. SDUO is abated.
6	16GF01	11/14/2016	4500 Block of Wakefield Rd	21216	Gwynns Falls	Resolved	242	3,485	High ammonia readings without noticeable sewage source. CCTV for laterals and dye testing have been performed. Cleanout for 4518 exposed for dye testing and conv. Intermitted issue, More sampling and investigation has been in progress to determine the issue.	More investigations are on-going to determine the source of the sewage. SDUO is abated.
8	17BR01	3/3/2017	Chesterfield Ave & Kavenn Ave	21206	Back River	Not Resolved	on-going	3,802	Sanitary lateral is leaking to inlet. Investigation has been on-going to determine the leaking asset. Point repair has been done. 12 ft of sanitary lateral has been replaced. In monitoring stage to confirm abatement.	More investigations are on-going to determine the source of the sewage. Point repair was performed. Under monitoring to confirm abatement.
9	17JF01	3/30/2017	5114 N Charles St, Friends School	21210	Jones Falls	Resolved	118	339,640	Sewage found discharging from outfall on Friends school property. All assets are private. School is currently taking corrective actions. School has repaired a collapsed sewer line. Small portion of the problem is still unknown. School has engaged on-call contractor to repair entire sewer system to determine the source of the sewage.	School hired a contractor to CCTV and map their entire system to spot any defects. Work has been in progress. SDUO is abated.
11	17JF02	6/1/2017	101 W Reed Street	21201	Jones Falls	Not resolved	On-going	354,240	Portion of apartment building found connected to the storm. DPW is working with owner to take the proper measurement. Issue has been escalated to abate SDUO ASAP.	Abatement is in-progress.
12	17JF03	6/8/2017	221 W Reed Street	21201	Jones Falls	Resolved	111	11,189	Business found connected to the storm. Owner has been engaged to take the proper measurement.	SDUO is abated.
13	17JF04	7/14/2017	1001 Wilmot Court	21202	Jones Falls	Not resolved	on-going	205,200	Sewage found leaking from apartment building due to multiple issues. Point-repair and extensive cleaning has caused to relief sewage. System is under monitoring to confirm abatement. Continue monitoring to confirm abatement.	Contractor has been engaged to restate a lateral.

SDUOs
Updated through September 30, 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 (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
14	17GF01	8/9/2017	3208 Millford Ave	21207	Gwynns Falls	Not resolved	on-going	8,936	Direct connection to the Storm System. Appeared to be combined system in the past. More investigation has been on-going.	Work has been in progress to redirect the lateral to sanitary system
15	17GF02	8/15/2017	4202 Maine Ave	21207	Gwynns Falls	Resolved	31	4,464	Damaged lateral causing sewage to backup and overflow from cleanout. Owner has been engaged to hire a contractor to correct the situation. Owner has replaced lateral which abated SDUO.	SDUO is abated.
16	17GF03	9/27/2017	5104 Norwood Ave	21207	Gwynns Falls	Not resolved	on-going	2,880	Sewage from House connection infiltrating into the clearwater pipe leading into the stormdrain.	In the process of finding a proper way to abate SDUO



Q60 SSOs

- July
- August
- September

Sanitary Sewer Overflows
July 2017 - September 2017

