

CITY OF BALTIMORE

STEPHANIE RAWLINGS-BLAKE, Mayor



DEPARTMENT OF PUBLIC WORKS

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October 11, 2016

VIA OVERNIGHT MAIL

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

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**RE: United States, et al. v. Mayor and City Council of Baltimore
Civil Action No. JFM-02-1524
Calendar Quarterly Report No. 56
For Calendar Quarter Ending September 30, 2016**

Ladies and Gentlemen:

In the above referenced Consent Decree, the City of Baltimore agreed to submit a Calendar Quarterly Progress Report covering activities required by the Consent Decree. Included herewith is Calendar Quarterly Report No. 56, for the Calendar Quarter ending September 30, 2016.

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October 11, 2016

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

Sincerely,

A handwritten signature in blue ink, appearing to read "James A. Price Jr.", is written over the typed name.

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

Enclosures

KV/ajd

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

File

City of Baltimore Sanitary Sewer Overflow Consent Decree

Civil Action No. JFM-02-1524

Calendar Quarterly Report No. 56
For Calendar Quarter ending September 30, 2016

*Submitted:
October 31, 2016*

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

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



Statement of Certification

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

A handwritten signature in blue ink, appearing to read 'J. A. Price Jr.', is written over a horizontal line.

James A. Price Jr.
Acting Bureau Head

City of Baltimore Sanitary Sewer Overflow Consent Decree

Civil Action No. JFM-02-1524

**Calendar Quarterly Report No. 56
For Calendar Quarter ending September 30, 2016**

*Submitted:
October 31, 2016*

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

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



*Civil Action No. JFM-02-1524
Calendar Quarterly Report No. 56
For Calendar Quarter Ending September 30, 2016*

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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, 2016, the City of Baltimore was in general compliance with the Clean Water Act and Title 9, Subtitle 3 of the Environment Article, Annotated Code of Maryland. Episodes of non-compliance include un-permitted sanitary sewer overflows (SSOs), as reported during the quarter in accordance with Paragraph 17 of the Consent Decree and as summarized in Appendix 5 herein.
- B. Construction Projects:** Appendix 1 to this Calendar Quarterly Report provides a status update for each of the construction projects listed in Appendix D of the Consent Decree.

1. Practical Completion

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

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

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

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

2. SSO Structure Elimination

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

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

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

The City is working on addressing these SSOs. The City has engaged the services of an engineering firm to investigate and evaluate the collection system adjacent to SSO Nos. 132, 134 and 135. The design to eliminate these SSOs is complete and the contract was advertised on February 10, 2012, bids were opened on April 4, 2012, contract was awarded on September 26, 2012, and Notice to Proceed was issued on February 4, 2013. Due to construction and bypass activity at SSO #132 (site P8_10_132S), SSO #134 (site HL32) and SSO #135 (site P8_10_135S) these meters were removed on 2/20/14, 8/17/13 and 6/13/14 and, respectively. These meters were re-installed on 9/11/14 after construction activities were concluded. **SSO #132 and #134 were eliminated and permanently sealed on June 27, 2016.**

SSO 150 located at the intersection of N Calvert St & Chancery Rd
SSO 151 located in the proximity of 4210 Curtis Ave



SSO 152 located at the intersection of N Charles St & W Lanvale St
SSO 153 located at the intersection of Fernhill Ave & Hillsdale Rd
SSO 154 located at N. Charles Street & W. Lafayette Avenue

Flow meters have been installed and will monitor these locations for 6 months. The collected data in conjunction with the hydraulic model will determine if they can be sealed.

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

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

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

D. Elimination of Combined Sewer Overflows:

Walbrook: This project has been completed.

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

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

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

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

As of September 30, 2016, 1 flow meters are installed as indicated in Table 8-1 specifically for Paragraph 8 Projects.



Table 8-1: Flow Monitor Installations for Paragraph 8 Projects

Consent Decree Project ID No.	ADS Project ID No.	Project	No. of Meters		
			July	August	September
7	4	Lower Jones Falls Interceptor	0	0	0
8	5	Stony Run Interceptor & P.S.	1	1	1
10	7	Greenmount Interceptor	0	0	0
Total			1	1	1

A summary of rainfall and flow monitoring data collected during June, July and August 2016 (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, 2016, the flow monitoring continues at 9 meter locations throughout the City, including the long term monitoring program.

E. Long-Term Capacity/Peak Flow Management: During the calendar quarter ending September 30, 2016, 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.

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, 2016, Baltimore further addressed the list of suspected illegal connections to the collection system known to the City. The City had previously initiated enforcement actions for 14 suspected illegal connections by notifying the respective property owners of the suspected illegal connections and actions to be taken, as required by Paragraph 10.A of the Consent Decree. In accordance with the City's enforcement plan, staff of Housing and Community Development (HCD) inspected these 14 properties and determined that two were not illegal connections, ten required dye/smoke testing for confirmation, and two required further evaluation. The City performed dye testing and determined that only 5 are illegal connections. Furthermore, the City has identified and confirmed 33 additional properties within the Western Run Sewershed with potential illegal storm water connections to the sanitary system.

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

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

4424 Marble Hall Road: On August 11, 2008 while performing dye testing as part of their field investigations, the Herring Run Sewershed team identified an illegal sewer connection at 4424 Marble Hall Road. Once an illegal connection is identified, the approved Illegal Connection Enforcement and Implementation Plan will be adhered to. This illegal connection has been found to be located on private property. The City has contacted its Housing Department (HCD) to send the owner a notice to eliminate this illegal connection. Additional dye-testing was carried out in March 2011 to satisfy HCD requirements and a letter was sent to HCD on May 25, 2011, for further action. A Violation Notice was issued in July 2011. A meeting was held on July 28, 2011, with Marble Hall Apartment management to discuss the progress of eliminating the illegal connection. Per the management of the apartment complex, the connection was re-routed in August 2011. Follow up testing was carried out in September which indicated that the fix did not prevent storm water from getting into the sanitary sewers. The City attempted to coordinate with the property owner to fix the problem permanently but the property owner is not responsive. This location has been referred to the Code Enforcement Legal Section of HCD (ID 28567). The violation has been corrected. A City representative visited the site and conducted visual inspection and dye test on March 11, 2013, to confirm. This location is closed.

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

B. Updated List of Illegal Connections: Appendix 3 contains the updated list of known illegal connections.

C. Illegal Connection Enforcement and Implementation Plan: This requirement has



been completed as reported in Quarterly Report No. 7.

- D. In a letter dated May 05, 2003, MDE stated that they had reviewed the draft plan for implementation and enforcement with regard to illegal connections and found it to be acceptable. As requested by MDE, the City is considering the merits of adding a provision to the Plan that would enable the City Department of Public Works to actually do disconnections themselves and bill people for the materials and labor as a last resort if they have a situation where flows may cause a SSO and there is no cooperation from the property owner. To date, the need for this has not occurred. EPA in its letter dated January 12, 2005 has approved the Illegal Sewer Connection Detection and Enforcement Plan.
- E. Progress of work under Paragraph 10 is as reported herein.
- F. **Privately-Owned Portion of a Customer Service Connection Lateral:** During the calendar quarter ending September 30, 2016, 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, 2016, Baltimore inspected each of the eight pumping stations at least twice daily in accordance with Paragraph 11.B. All inspections were conducted in accordance with the inspection checklist attached as Appendix F to the Consent Decree, and completed inspection checklists are being maintained. All deficiencies noted during inspections were corrected within eight hours, or a work order was issued for correction. A listing of these work orders is attached as Appendix 4 to this Calendar Quarterly Report.

As reported in Quarterly Report No. 8, the project to upgrade the SCADA system for remote monitoring of pumping stations is completed. As such, the City of Baltimore recognizes that once daily pumping station inspections will satisfy the requirements of the Consent Decree in accordance with Paragraph 11.B.i.

- C. **Pumping Station Remote Monitoring:** As of September 30, 2016, 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, 2016, 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, 2016, 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, 2016, operations and maintenance ("O&M") manuals for each of Baltimore's eight pumping stations were up to date, reflecting current station configuration, equipment, and characteristics. Operating parameter value ranges for each pumping station are available in the standard operating procedures ("SOPs") for that pumping station, which are posted at the pumping station and considered part of the O&M manual. Pump run times are kept in the log books at each pumping station.
- G. Progress Reports:** Table 11-1 Summarizes the status of Baltimore's pumping station inspection and repair program during the calendar quarter ending September 30, 2016.

Table 11-1: Pumping Station Inspection and Repair Program

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

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

Paragraph 12: Collection and Transmission System Model

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



Innovyze.

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

Paragraph 13: Collection System Operation and Maintenance

- A.** During the calendar quarter ending September 30, 2016, 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.**

Paragraph 14: Information Management System Program

- A. During the calendar quarter ending September 30, 2016, 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, 2016. 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.**
- 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, 2016, 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, 2016 is provided in Appendix 5.
- B.** During the calendar quarter ending September 30, 2016, Baltimore maintained a monitoring, sampling, analysis and reporting program to monitor water quality in Baltimore surface water. This program is administered by the Water Quality

Management Section of the Environmental Services Division in accordance with the requirements of the NPDES referenced in item 17.A. above. Monitoring results are published annually in Baltimore's Water Quality Report.

- C. Records of all sanitary sewer overflows from Baltimore's collection system during the calendar quarter ending September 30, 2016, 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, 2016, there were no other anticipated problems with Section VI requirements to report.

D. DESCRIPTION OF SEP ACTIVITIES

The study and 30% design for the Patapsco Wastewater Treatment Plant Enhanced Nutrient Removal (ENR) project was completed and submitted to Maryland Department of the Environment (MDE) and US EPA Region III (EPA) in September 2004. The MDE letter approving the 30% design for the Patapsco Wastewater Treatment Plant was on December 01, 2004. The EPA letter approving the 30% design was on received May 24, 2005.

The consultant agreement for the design of the Patapsco Wastewater Treatment Plant ENR project was approved by the City's Board of Estimates on December 21, 2005. As of the calendar quarter ending September 30, 2016, SC 845R - BAF and tertiary PS bids were rejected and the project was re-advertised in December 2011 and bids were received on February 15, 2012. Notice to Proceed (NTP) for construction was issued on August 1, 2012 and the estimated construction completion date is February 2015. SC 852R - Denitrification filters project was advertised on March 27, 2009 and the bids were rejected. This project was re-advertised on October 13, 2009 and the successful bidder was awarded the NTP on December 29, 2009. **This project is currently in the construction phase.**

In addition, the City has selected the consultant for engineering services for SC 855 - ENR Modifications to the Existing Facilities at the Patapsco Wastewater Treatment Plant. As of the calendar quarter ending September 30, 2016, 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. **The warranty period for this project is over.**

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

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

As of the calendar quarter ending September 30, 2016 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 PARAGRAPHS B CONSTRUCTION PROJECTS
As of September 30, 2018

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 (LPI Branch) Sanitary Contract Nos. 780 & 788	1. Install approximately 880 linear feet of 36-inch parallel-riser sewer from JP82A to JP110 (along JP80A-JP104) (SC776). 2. Install approximately 8,400 linear feet of 24-inch parallel-riser sewer from JP220 to JP253 (SC776). 3. Replace approximately 3,200 linear feet of existing 18-inch sewer from JP87 to JP220 (SC776).	June 30, 2002	June 30, 2004	June 30, 2005	Eliminate SSO nos. 21, 22, 23, 24 and 29	Complete
2	Upper Jones Falls Interceptor (Main & Sub-branches) Sanitary Contract Nos. 772 & 824	1. Rehabilitation of approximately 1,000 linear feet of existing 42- to 48-inch sewer located between JP91 (Mc Washington Plaza) and JP16 and approximately 6,270 linear feet of 48- to 60-inch sewer located between JP42 and the JP70. Replacement of approximately 1,300 linear feet of 48" sewer between JP10 and JP16 and approximately 1,250 linear feet of 60" sewer between JP70 and the Jones Falls Pumping Station (SC772). 2. Rehabilitation of approximately 7,000 linear feet of 48-inch sewer between JP18 and JP42 (SC 824). 3. Manhole and stream bank restoration.	June 30, 2004	December 27, 2006	12/29/2008 **	Eliminate SSO Nos. 38 and 34	SC 772 - Practical Completion was achieved on June 30, 2008. 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 additional SSO Nos. 38 and 34 on 12/19/07 and 12/23/08, respectively.
3	New Jones Falls Force Multipressure Sewer Lateral Station and Valve Improvements of Existing Multipressure Sewer Sanitary Contract Nos. 82770 A, B, C & D	1. Replacement of approximately 1600 linear feet of force multipressure 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 releases valves for existing force multipressure sewer (SC 805)	December 30, 2002	June 30, 2004	6/20/2005 - 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 Multipressure Sewer Sanitary Contract No. 800	Upgrade existing force multipressure sewer to handle increased flows from rehabilitation/upgrade Jones Falls Pumping Station as well as additional flows from possible future pumping stations in Stony Run and along the USA Branch	June 30, 2005	12/28/2007**	May 2, 2008	Contributes to elimination of SSO No. 5	Construction Phase** Letter sent to MDE and EPA on 6-11-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension to December 31, 2007. Letter sent to MDE and EPA on 12/12/07 requesting additional 90 day extension for practical completion. Practical completion occurred on 1/23/08. Extension request approved 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	12/28/2007**	June 30, 2008	Eliminate SSO No. 5	Construction Phase** Letter sent to MDE and EPA on 6-11-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension to December 31, 2007. Interim 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	Eliminate SSO Nos. 20, 31, 32 and 36	Complete

Note - Shaded date cells indicate completion.

APPENDIX 1
STATUS OF PASADENA'S CONSTRUCTION PROJECTS
As of September 30, 2016

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSO STRUCTURES ELIMINATED	STATUS
LOWER JONES FALLS SEWER/SHEED							
7	Lower Jones Falls Interceptor (Upper Portion of Gravity Mainline) Sanitary Contract No. 773 & 818	1. Install approximately 7,800 linear feet of 18- to 24-inch parallel relief sewer from J0600 (near Jones Falls Pumping Station) to J0001 (at the connection of the JSE branch) (SC2418). 2. Rehabilitation of approximately 16,000 linear feet of existing sewer ranging from 18- to 50-inch (SC2773). 3. Inverted siphon rehabilitation in Falls Pond (mainhole J0603) (SC2773). 4. Stream bank restoration along Union Avenue near Meadow Mills at Woodbury	July 31, 2003	June 30, 2008	2/28/10**	Eliminate SSO No. 67	Final Construction Monitoring Phase. Monitoring period is extended at one year.
8	Sherry Run Interceptor and Pumping Station (JSP Branch) Sanitary Contract No. 819, 836, 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 Blanton Street. 2. Install approximately 1,200 linear feet of 24-inch force main from new pumping station to JFF3 pressure sewer (length depends on location of pumping station). 3. Parallel siphon approximately 10,000 linear feet of existing sewer from south of Oobling Lane (JOF-48) to the new pumping station with 16 to 36-inch sewer. 4. Replace (uplift) approximately 4,000 linear feet of existing 15- to 24-inch sewer with new 21- to 36-inch sewer along branch Interceptor, excluding proposed 801 N. Howard project area. 5. Improvements to siphon (SSO No. 125 under L-83 (J0811-J0819)). 6. Sewer replacement may require crossing the CLUN.	December 30, 2005 (SC-419 & 836) June 30, 2006* (9C-839 & 847)	5/31/2007**	2/28/10**	Contributes to elimination of SSO No. 72; eliminates SSO No. 129	Practical completion was achieved on May 29, 2009 for the lower portion of the Sherry Run Interceptor (SC - 839). Non-CD portion of the project is nearly complete. Flow monitor installed at new Sherry Run pumping station on August 26, 2009. EPA, City of Pasadena and the City of Industry (CITY OF IND) submitted an extension to February 15, 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, 2011 to allow for adequate time for the City to complete the hydraulic restriction project at the BR-WWTP, which the City believes is a major contributor to not being able to eliminate these SSOs.
9	Mayfield Avenue Interceptor (J08 Branch) Sanitary Contract No. 799	1. Replace (uplift) approximately 4,000 linear feet of existing 15- to 24-inch sewer with new 21- to 36-inch sewer along branch Interceptor, excluding proposed 801 N. Howard project area. 2. Improvements to siphon (SSO No. 125 under L-83 (J0811-J0819)). 3. Sewer replacement may require crossing the CLUN.	December 30, 2005	July 14, 2005*	June 30, 2008	Eliminate SSO Nos. 89 & 125	Complete
10	Overman Avenue Interceptor (J0A Branch) Sanitary Contract No. 822, 823	1. Install approximately 7,250 linear feet of 36 to 60-inch parallel relief sewer from Bonaparte Avenue to the High level Interceptor on Elger Street. 2. Use approximately 6,000 linear feet of 18- to 36-inch existing sewer. 3. Elimination of blow-off.	December 30, 2005	12/27/07**	2/28/10**	Contributes to elimination of SSO No. 72	Construction Phase. SO 822-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 approved. Awaiting response from LARSONA. Pratical Completion is expected by May 27, 2008. Monitoring period began July 23, 2008. A letter dated 1/10/2011. EPA approved the minor schedule modification.
11	Elimination of Siphon Branch (Siphon No. 8 - 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 contact	June 30, 2004	June 30, 2005	Eliminate SSO No. 68	Complete
HEERING RUN SEWER/SHEED							
12	Moose Run Interceptor - Middle Section Water Contract Nos. 776 and 778	Construction of approximately 400 linear feet of 18-inch, approximately 800 linear feet of 21-inch, approximately 400 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 3, 2003**	June 30, 2006	Contributes to elimination of SSO Nos. 116 and 119	Complete
13	Moose Run Interceptor - Lower Section Sanitary Contract No. 801 and 843	Construction of approximately 2000 linear feet of 42-inch, approximately 2700 linear feet of 36-inch siphon, and approximately 2700 linear feet of 64-inch sewer to replace the existing Interceptor	June 30, 2005	June 30, 2007	June 30, 2006	Eliminate SSO No. 93 and 94	Construction Phase - Complete
14	Moose 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 Heering Run Sewershed	Assess hydraulics and design improvements to areas adjacent to overflows	Existing on-call contact	June 30, 2003	June 30, 2004	Eliminate SSO Nos. 86 and 108	Complete

Note: Shaded date cells indicate completion.

APPENDIX 1
STATUS OF PARAGRAPHS 8 CONSTRUCTION PROJECTS
As of September 24, 2011

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSOCS STRUCTURES ELIMINATED	STATUS
GWYNNE FALLS SEWERSHED							
16	Elimination of Siphon Blowoffs (Siphon No. 2 - Bay View Yard south of 89 th Street; Siphon No. 4 - Berwyles (Lambertville 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	Eliminate SSO Nos. 82	Complete*
17	Finalize MB System Improvements (Siphon No. 1 - Bay View Yard south of 89 th Street; Siphon No. 3 - Berwyles (Lambertville Road) Sanitary Contract Nos. 777 & 804	Rehabilitation of approximately 12,000 linear feet of 12- to 24-inch conveyance piping (SC777) and approximately 25,000 linear feet of 8- to 10-inch collection piping (SC804)	June 30, 2003	June 30, 2008	June 30, 2007	Eliminate SSO Nos. 28P, 29P and 35P	Complete
18	Final Run System Improvements (Siphon No. 790, 825 Sanitary Contract No. 790, 825	Clean, inspect and rehabilitate approximately 20,000 linear feet of 12- to 24-inch conveyance piping (COE) and approximately 11,000 linear feet of 8- to 18-inch collection piping (SC788).	June 30, 2003	June 30, 2008	June 30, 2007	Eliminate SSO Nos. 18P and 17P	Complete
19	Midvale Choice Interceptor Sanitary Contract No. 825	Clean, inspect, and rehabilitate 12,400 linear feet of 12- to 24-inch conveyance piping.	On-call contract	June 30, 2007	June 30, 2008	Eliminate SSO Nos. 23P and 24P	Construction Phase Complete
20	Elimination of Siphon Blowoffs (Siphon No. 11 - Annapolis Road and Clay Street; Siphon No. 12 - Chesham Rd. west of Frankstown 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	Eliminate SSO Nos. 84 and 22P	Complete*
COMBINED SEWER AREAS							
21	Walnut Sanitary Contract No. 790	Implementation of Long Term Control Plan and combined sewer separation design in Walnut area		June 30, 2002	June 30, 2003	Eliminate CSO No. 31P	Complete
22	Forest Park Sanitary Contract Nos. 790 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	Eliminate CSO Nos. 13P and SSO Nos. 10P, 11P, 13P, 18P, 25P, 26P, 37P and 31P. SSO Nos. 10P, 18P, 18P & 31P are abated.	Complete
HIGH LEVEL SEWERSHED							
23	Gwynne Run Interceptor Sanitary Contract No. 812	Improvements to the Gwynne Run Interceptor	December 30, 2004	February 25, 2007	12/27/2007**	Eliminate SSO Nos. 106, 107 and 130	Complete
24	Gwynne Run System Improvements Sanitary Contract No. 807	Assess hydraulics and design improvements to areas adjacent to overflows	June 30, 2003	June 30, 2008	June 30, 2007	Eliminate SSO Nos. 84, 84, 87, 80, 83, 160, 118, 127, 128 and 131	Complete
25	Elimination of Siphon Blowoffs (Siphon Nos. 8 and 10 - east of Sullabad Street south of Wilsons Avenue) SO 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	Eliminate SSO Nos. 79 and 81	Complete*
LOW LEVEL SEWERSHED							
26	Elimination of Siphon Blowoff (Siphon No. 8 - east of 890 Units Avenue) Sanitary Contract No. 827	1. Cleaning and inspection of siphon with repairs as necessary. 2. Elimination of blow-off.	On-call contract	June 30, 2004	June 30, 2005	Eliminate SSO No. 32P	Complete

* Approved by MDELEPA. ** Approved by MDE. *** Approved by EPA



APPENDIX 2

**STATUS OF
PARAGRAPH 9
CONSTRUCTION PROJECTS**



**STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of September 30, 2016**

Proj. No.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF CONSTRUCTION COMPLETION	DATE OF EVALUATION COMPLETION	STATUS
JONES FALLS SEWER/SEWERED						
JF-1	Lower Jones Falls Sewer Clearing	SC 878 - The work includes the Lower Jones Falls Interceptor located in the gravity sewerage collection system. Typical work includes total SOMAR assessment of the sanitary sewers to quantify sediment and debris levels, clearing 6,400 feet of 18" to 24" sanitary sewer lines from the High Level Interceptor, with proper disposal of removed material, and post clearing CCTV/SOMAR assessment to document the internal condition of the pipe.	6/30/2016 (A)	1/1/2017 (A)	1/1/2018 (A)	The contract was awarded to Video Pipe Services (VPS) on October 21, 2016. The clearing of the Lower Jones Falls and Maryland Ave. Siphon Clearing were combined into one Project (SC 878).
JF-2	Maryland Avenue Sewer Siphon Clearing	SC 878 - The work includes Maryland Avenue Siphon, and sewers upstream of the Maryland Avenue Siphon (16' and 24-inch sewer siphon). Typical work includes total SOMAR assessment of the sanitary sewers to quantify sediment and debris levels, clearing of Maryland Avenue Siphon, and various sewers upstream of the Maryland Avenue Siphon, with proper disposal of removed material and post clearing CCTV/SOMAR assessment to document the internal condition of the pipe.	6/30/2016 (A)	1/1/2017 (A)	1/1/2018 (A)	The contract was awarded to Video Pipe Services (VPS) on October 21, 2016. The clearing of the Lower Jones Falls and Maryland Ave. Siphon Clearing were combined into one Project (SC 878).
JF-3	Upper Jones Falls Interceptor Rehabilitation	Rehabilitation of an 18-inch 42-inch diameter interceptor sewer along Jones Falls from Northern Parkway (MH 818CC, 2043487) to Cold Spring Lane (MH 818CC, 1042347). Prior to reconstruction of the 42-inch sewer, an inspection of the sewer was necessary to find the actual condition of the line. The City issued its technical support conditions (TSC) to carry out the inspection process. The field work was started in September 2008 and final findings were completed and a final report was delivered on June 30, 2010.	07/15/2009 (A)	09/09/2010 (A)	N/A	Per Contractor's (RC) evaluation of the inspection and clearing work, the line is in fairly good condition and can be re-declared without any major repair or replacement work. This project is complete and the City will take this line in the future as intended. All Future Construction project will not be undertaken by the City. Contract Acceptance was on 11/17/10, and Final Acceptance was on 09/29/11.
JF-4	30 855 - MD Ave Sewer Rehab	SC 885 - Repair and rehabilitation of sanitary sewer and manholes in the Maryland Ave sub-sewered of the Jones Falls Seweraged.	11/04/11 (A)	05/20/15 (A)	05/14 (A)	Bids were opened on 12/14/11 and AM Linc was the lowest bidder. Contract was awarded to AM Linc on 02/21/2012. 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 858 - Stony Run Area	Repair and rehabilitation of sanitary sewer and manholes in the Stony Run Area of the Jones Falls Seweraged.	7/27/2012 (A)	9/30/2016 (A)	9/30/2017	The project was advertised on 7/27/12. The lowest bidder is Intransit Technologies. Award date is 12/19/12 and NTP issued on 2/28/13. Project is substantially completed by 9/1/2016
JF-6	SC 859 - Western Run Area	Repair and rehabilitation of sanitary sewer and manholes in the Western Run Area of the Jones Falls Seweraged.	7/27/2012 (A)	9/30/2016 (A)	9/30/2017	The project was advertised on 7/27/2012. The lowest bidder is Intransit Technologies. Award date is 12/19/12 and NTP issued on 2/28/13. Project is substantially completed by 9/1/2016.
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 Seweraged.	7/27/2012 (A)	9/30/2016 (A)	9/30/2017	The project was advertised on 7/27/2012. The lowest bidder is Intransit Technologies. Award date is 12/19/12 and NTP issued on 2/28/13. Project is 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 Seweraged.	3/22/2013 (A)	9/30/2016 (A)	9/30/2017	The contract was advertised on 3/22/13. The lowest bidder is Intransit Technologies. Award date is 8/26/13 and NTP issued on 9/27/13. Project in liquidated damages
OUTFALL SEWERAGED						
OF-1	Sediment Cleaning Trunk Sewers in City of Baltimore	SC 884 - Cleaning of Outfall Seweraged 98-inch and Outfall Interceptor (From N. Bond Street to 3000 Block of E. Lombard Street)	08/05/11 (A)	04-12/2014 (A)	01-22/2015 (A)	The contract was awarded to Metra Infrastructure with the lowest bidder, on 08/11/11. NTP was issued on 08/11. Clearing of the sewer was completed on 02/27/12. Project was awarded on 4/29/13 and was completed on 04/27/14.
OF-2	SC 884 - CLEANING OF THE OUTFALL INTERCEPTOR AND RELIEF SEWERS - PHASE II	Clearing of the relief sewer and outfall interceptor - phase II	12/12/2013 (A)	10/1/2017	10/1/2018	The contract was advertised on 12/12/13. The lowest bidder is Metra Infrastructure. Award date is 3/12/14 and NTP issued on 4/24/14. Project in liquidated damages.
OF-3	SC 919 - Sewer Rehab in the Outfall Seweraged	SC 919 - Sewer Rehab in the Outfall Seweraged	7/17/2015 (A)	9/30/2017	9/30/2018	The contract was advertised on 7/17/2015. Bid opening is 9/25/2015.

Note: Shaded date cells indicate completion.

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of September 30, 2016

HIGH LEVEL SEWERAGE						
HL-1	SC 878 - Design and construction of 18" Relief Sewer from intersection of Inglewood Rd and N Hillen St to intersection of Walnut Ave and Liberty Heights Ave. (0000LUJ_0077M4) to 613LUJ_0004M4). Work includes excavation and removal of existing 12 inch sewer line, installation of 2400 LF of new 18-inch sewer line and installation of 720 LF of 20-inch water line. Evaluation phase will include continual monitoring of existing engineered SSCs 132, 134 and 135 to ensure no overflows.	4/1/2014 (A)	4/1/2015 (A)	4/1/2015 (A)	The contract was advertised on 2/10/12. Bids were due by 2/21/12, but date was extended to 4/4/12. The contract was awarded on 5/29/12 to Monumental Paving and Excavating Inc. First construction program meeting was held on 3/20/13.	
HL-2	SC 907 - Repair and rehabilitation of sanitary sewer and manholes in the East region of the High Level Sewershed.	1/13/2016 (A)	1/13/2017	1/13/2017	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 11/11/13. Project is conditionally accepted on 1/13/2016.	
HL-3	SC 906 - Repair and rehabilitation of sanitary sewer and manholes in the West region of the High Level Sewershed.	7/1/2016 (A)	6/30/2017	6/30/2017	The contract was advertised on 5/10/13. Lowest bidder is SAK Construction. The contract was awarded on 11/13/13 and NTP issued on 2/5/14. Project is conditionally accepted on 7/1/2016.	
HL-4	SC 922 - Improvements to Lower Chrymes Run Interceptor - Phase II From Franklin Street to Baltimore Street - Interconnecting project	1/18/2016 (A)	11/15/16 (P)	11/15/16 (P)	The contract was advertised on 7/22/12. Lowest bidder is Bradshaw Construction. Contract was awarded on 3/12/14 and NTP issued on 5/29/14. Project completed.	
HL-5	SC 933 - High Level Interceptor Cleaning	1/31/2017	1/31/2018	1/31/2018	The contract was advertised on 7/26/13. Lowest bidder is Video Pipe Services Construction. Due to an unavailability bid, the contract will be awarded to the second lowest bidder Proven Management. Award date is 4/22/14 and NTP issue date is 7/20/14. Project in liquidated damages.	
HL-6	SC 965 - Repair and rehabilitation of sanitary sewer and manholes in the North region of the High Level Sewershed.	6/4/2015 (A)	6/4/2016	6/4/2016	The contract was advertised on 10/13/13. Lowest bidder is Spinullo. Contract was awarded on 3/18/14 and NTP issued on 6/27/14. Project completed.	
HL-7	SC 911 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	1/20/2016 (A)	1/19/2017	1/19/2017	The contract was advertised on 8/16/13. Lowest bidder is AM Limer East. Contract was awarded on 2/5/14 and NTP issued on 5/14/14. Project is conditionally accepted on 1/20/2016.	
HL-8	SC 908 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	11/30/2016	11/30/2017	11/30/2017	The contract was advertised on 8/6/13. Lowest bidder is Anchor Construction. Due to issues with ABE/WBE, the contract was awarded to the second lowest bidder AM Limer East. Contract was awarded on 2/5/14 and NTP issued on 5/11/14. Project in liquidated damages.	
HL-9	SC 909 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	7/6/2016 (A)	7/6/2017	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.	
HL-10	Improvements to Sanitary Sewers in HR07A and along Chestersfield Avenue in Herring Run Sewershed.	12/14/2017	12/14/2018	12/14/2018	The contract was advertised on 7/17/2015. Bid opening is 8/18/2015 and awarded to SAK.	
LL-1	SC 925R - Low Level Interceptor Cleaning	12/31/15 (A)	12/31/2016	12/31/2016	The contract was advertised on August 15, 2015. Lowest bidder is Video Pipe Services Construction. Due to unavailability bids, this contract was re-advertised on 2/7/14. Lowest bidder is Video Pipe Services Construction. Award date is 7/29/14. NTP issued on 10/1/2014. Project completed.	
LL-2	SC 913 - Repair and rehabilitation of sanitary sewer and manholes in the Western Region of the Low Level Sewershed.	9/9/2013 (A)	9/7/2016	9/7/2016	The contract was advertised on 9/20/12. The lowest bidder is SAK. Contract was awarded on 10/1/12 and NTP issued on 3/12/14 and NTP issued on 4/17/14. Project is conditionally accepted on 9/9/2015.	
LL-3	SC 912 - Repair and rehabilitation of sanitary sewer and manholes in the Eastern Region of the Low Level Sewershed.	9/30/2013 (A)	9/30/2016 (A)	9/30/2017	The contract was awarded on 9/20/13. The lowest bidder is Inland. Contract awarded on 1/15/14 and NTP issued on 3/7/14. Project in liquidated damages.	

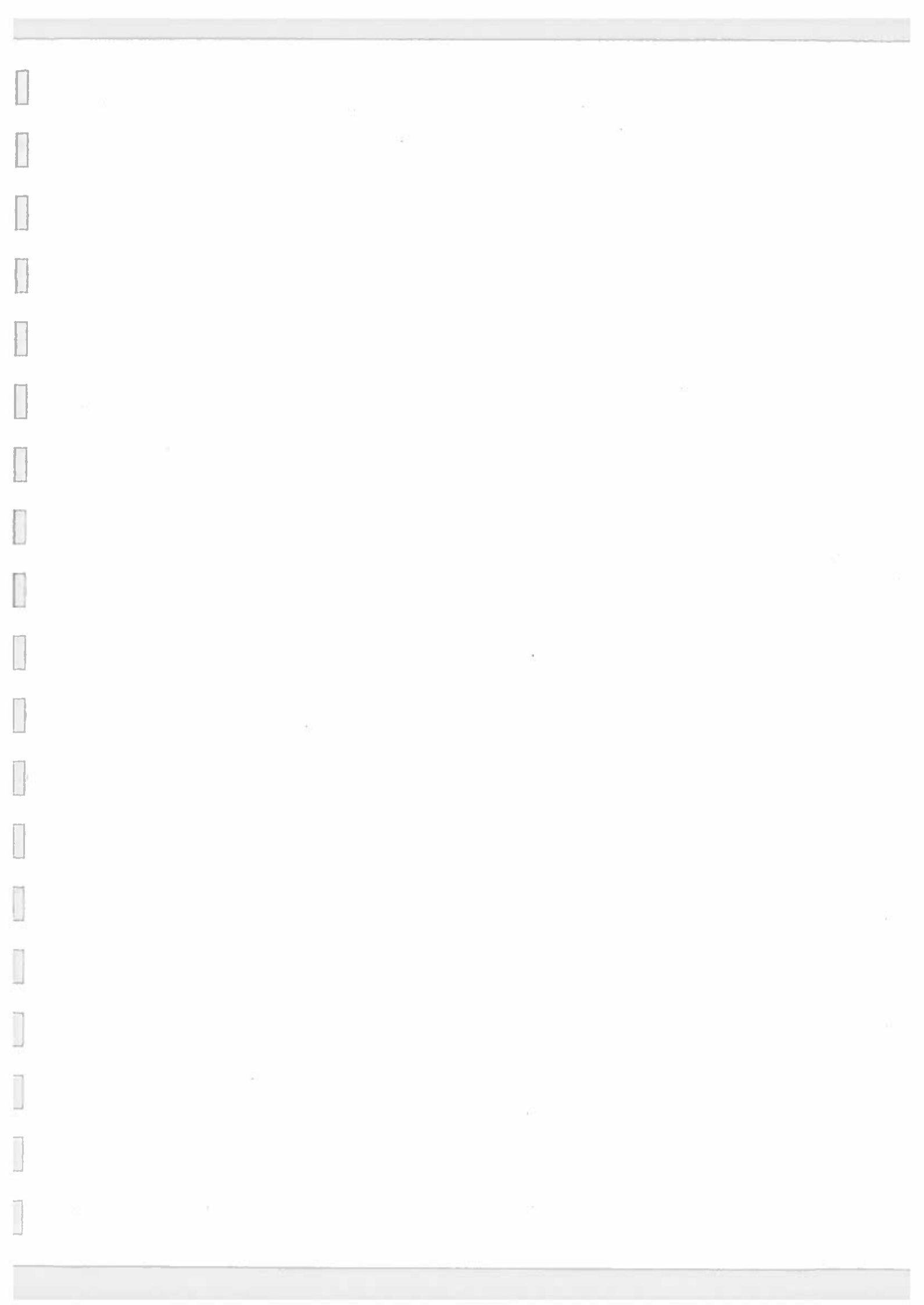
Note: Shaded date cells indicate completion.

STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS
As of September 30, 2016

LL-4	SC 914 - Improvements to Sanitary Sewers in Low Level Sewershed	6/26/2015 (A)	6/26/2018	6/26/2019	The contract was advertised on 6/26/2015. Bid opening is 7/29/2015.
GF-1	SC 920 - South Area Onyrms Falls Onyrms Falls Sewershed	6/6/2014 (A)	2/23/2017	2/23/2018	The contract was advertised on 6/6/14. The lowest bidder is SAK Construction. NTP was issued on 1/12/2015.
GF-2	SC 939R - Madiera Choice Pressure Sewer Inspection and Uplands Sewer Rehab Madiera Choice Sewershed	6/28/2015 (A)	TBD (P)	TBD (P)	The contract was advertised on 6/28/2015. Bid opening is 7/29/2015. Bids rejected, completion date TBD.
DD-1	SC 902 - Sewer Rehab in the Durdalk Durdalk Sewershed	3/5/2015 (A)	3/31/2017	3/31/2018	The contract was advertised on 3/5/15. Bid opening is 4/9/2015. The lowest bidder is Spennlo. NTP will be issued on 10/14/2015
PA-1	SC 903 - Sewer Rehab in the Palapasco Sewershed Palapasco Sewershed	7/24/2015 (A)	2/2/2018	2/2/2018	The contract was advertised on 7/24/2015. Bid opening is 8/26/2015.

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

Note: Shaded date cells indicate completion.



APPENDIX 3

LIST OF ILLEGAL CONNECTIONS





APPENDIX 4

PUMPING STATION WORK ORDERS



Co.	Area	Machine	Machine Description	Wt	Plor	Full Problem Description	Req. Co.	Wt	Wt	Wt	Wt
		Number		Sts	Code		By	Date	Type	Wt	Wt
11	CLINT 931125		CLINTON ST. FORCE MAIN	25	4	FEW-ANTIPIED PESTING WYOM 930	KK	FENG	201213	WS	
Total * FENG * Work Orders: COUNT 1											
Area * Work Orders: COUNT 1											
	FURPING ST	951000	FACILITY-BROOKLYN PUMPING	25	3	BLDG/ REPAIR ROOF LEAK (E Stielperc 64972	CS	BLG	2013021	WS	
	BROLYN	951000	FACILITY-BROOKLYN PUMPING	25	30	BLDG-PAVE REPAIRS TO HAD IN BACK OF STA. 9111VEN 6-4972	US		2010913	WS	
	BROLYN	951000	FACILITY-BROOKLYN PUMPING	25	4	BLDG/ REPAIR LEAK ON ROOF (ROD) Stielperc 64972	CS		2013011	WS	
	BROLYN	951000	FACILITY-BROOKLYN PUMPING	25	4	BLDG-BUILD STEPS FOR RFD TANK TO MAKE WORKING ON UNIT EASTER. REQ. BY H.HOOKS 65701	WH		2014006	WS	
	BROLYN	957701	FACILITY-DRINKING WATER	25	4	BLDG/ REPAIR ROOF LEAKS - see Chris Stielperc 64972	CS		2015023	WS	
	DUNAL	941000	FACILITY-DUNALK PUMPING	25	30	BLDG/ REPAIR/REPLACE TOO STEELPERC 64972	CS		2013016	WS	
	DUNAL	941000	FACILITY-DUNALK PUMPING	25	30	BLDG/REPAIR ROOF GDN ROOT (leak over Gen Unit) Stielperc 64972	CS		2016014	WS	
	DUNAL	941000	FACILITY-DUNALK PUMPING	25	4	BLDG/ REPAIR BRKBRN LEAK on back door Stielperc 64972	CS		2014014	WS	
	DUNAL	941000	FACILITY-DUNALK PUMPING	25	4	BLDG/ REPAIR LEAKING ONTO EL. DRAINAGE	JM		2014020	WS	
	DUNAL	941000	FACILITY-DUNALK PUMPING	25	4	BLDG/ REPAIR FLUSH VALVE toilet (leaking) Stielperc 64972	CS		2014032	WS	
	DUNAL	941000	FACILITY-DUNALK PUMPING	25	4	BLDG-SCALPE AND PAINT STA PUMP ROOM	CC		2013016	WS	
	DUNAL	941000	FACILITY-DUNALK PUMPING	25	4	REWORKED TEST	CC		2013016	WS	
	DUNAL	941000	FACILITY-DUNALK PUMPING	25	4	BLDG-PAINT STATION PAINT traps and paint H. Johnson 6-5154	HJ		2013030	WS	
	DUNAL	941000	FACILITY-DUNALK PUMPING	25	4	BLDG-INSPECT ROOF LEAKIN N. JOHNSON 6-4972	HJ		2013031	WS	
	DUNAL	94083	FACILITY-FOUNTAIN WATER	25	4	BLDG/OA-REPAIR OR REPLACE COOLER	HJ		2013035	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	2	BLDG-SHAPE DOWN AT RFD REQ BY C. Stielperc 6-4972	CS		2013036	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG-LABEL WINDOWS IN CO Sullivan 6-4972	US		2013050	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG-PIPE-TULJET LEAKING REQ BY R BAXTON JR	RB		2014032	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG/ REPAIR SCREEN ROOM STEELPERC 64972	CS		2014110	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG/ REPLACE MOUNTED CELL ALL OFFICES STEELPERC 64972	CS		2014114	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG/ REPLACE DOOR CLASPS Stielperc 64972	CS		2014115	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG/SCALPE PAINT SCREEN Stielperc 64972	CS		2013039	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG-FR GLASS ON FRONT D H. Johnson 6-4972	HJ		2011106	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG/ REPLACE WATER FOUNTAIN REQ AT ALL FOUNTAIN HAS NOT WORKED FOR OVER A YEAR	CS		2016010	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG/ REPLACE CEILING TIL 1st flr office Stielperc	CS		2016023	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG/ INSTALL WATER FRONT Stielperc 64972	CS		20160425	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	30	BLDG/REPAIR FLOOR TILES 0 office Stielperc 64972	CS		2016060	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	4	BLDG-ROOF LEAKING-SECOND REQ BY C. Stielperc	CS		20140106	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	4	BLDG/ REPAIR SCREEN ROOM see Chris 64972	CS		20140707	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	4	BLDG/ DRLOG ODRIN LINE 1 Stielperc 64972	CS		20140723	WS	
	EASTER	911203	MOTOR-SPACE PUMP #3	25	4	BLDG/ REPAIR OFFICE WALLS Stielperc 64972	CS		20141006	WS	
	EASTER	911204	MOTOR-SPACE PUMP #4	25	4	BLDG/ REPAIR DOOR SCREEN Stielperc 64972	CS		20141006	WS	
	EASTER	911205	MOTOR-SPACE PUMP #5	25	4	BLDG-PAINT PUMP MOTOR AND WJ	HJ		20180310	WS	
	EASTER	911818	FOUNTAIN WATER	25	4	BLDG-PAINT PUMP MOTOR AND WJ	HJ		20180310	WS	
	EASTER	911818	FOUNTAIN WATER	25	4	BLDG/OA-REPAIR OR REPLACE COOLER	HJ		20180310	WS	
	EASTER	911818	FOUNTAIN WATER	25	4	BLDG-LAH WATER PRESSURE IN H. JOHNSON 6-4972	HJ		20180310	WS	
	EASTER	916000	BUILDING-ELEC GENERATOR	25	4	BLDG-REPAIR OUTSIDE WALL SEE WEHBAH PINDER	JM		20151207	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	4	BLDG/REPLACE SEEDS ON SC OVER (MISSING) Stielperc 64972	CS		20160106	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	4	BLDG- REPAIR TOILET IN FR WILL NOT FLUSH	HJ		20160310	WS	
	EASTER	911000	FACILITY-EASTERN AVENUE	25	4	BLDG-UNLOCKED DOOR AT T heading to wet well	HJ		20160311	WS	

Co.	Loc.	Machine	Machine Description	Wt	Sits	Print	Short problem description	Full Problem Description	Req. By	Craft	Wt	Wk	Stk
Ho.	Area	Number				Copy				Code	Issue	Type	Unit
						Count					Date		CLS
11	PURPLINE ST	911000	FACILITY-EASTERN AVENUE	25	4	16-82822	ELC -CASP-RANE TABLE FOR REED BY R. BARTON JR		RBJ	ELC	20160221	MSB	
	EASTER 911000	FACILITY-EASTERN AVENUE		25	4	16-82828	ELC-CONSTRICT PLATFOOM T bar screen at eastern ave p.s. see Dean Aballo		JCN		20160228	MSB	
	EASTER 911000	FACILITY-EASTERN AVENUE		25	4	17-80079	ELC/ REPAIR REAR ENTRANCE (vent close completely) stielper 64972		CS		20160330	MS	
	EASTER 911000	FACILITY-EASTERN AVENUE		25	4	17-80089	ELC-S-E REED 3 PICES OF BY M.RODAS 63733		HL		20160301	MS	
	HOLLAND 961000	FACILITY-HOLLAND/STAN		25	30	17-80765	ELC-REPAIR BETWEEN HURON H. JOHNSON 6-4972		WJ		20160319	MS	
	J	53012	PETER-OVERBOARD (LEVEL	25	30	14-82473	ELC-CARP- PASE DOW/COVER REE BY R BARTON JR		RBJ		20140316	MS	
	J	921000	FACILITY-JONES FALLS	25	30	14-82481	ELC/REPAIR HURNE CH OFFI stielperc 64972		CS		20140322	MS	
	J	920081	PL/ALARM CONTROL STATION	25	30	15-82147	ELC-INSTALL PLUMOOD TO H REE BY C-STIEPPE		CS		20150319	MS	
	J	921000	FACILITY-JONES FALLS	25	4	13-81912	ELC/REPAIR FRONT LOOR IC stielperc 64972		CS		20130327	MS	
	J	921000	FACILITY-JONES FALLS	25	4	14-80950	ELC/ REPAIR ROOF LEAK (vent pipe) stielper 64972		CS		20140321	MS	
	J	525702	FOUNTAIN/WATER COOLER	25	4	15-82582	ELC/ REPAIR OFFICE WINDO stielperc 64972		CS		20150325	MS	
	J	521000	FACILITY-JONES FALLS	25	4	16-80407	ELC-S-E REPAIR OR REPLACE water cooler		WJ		20160305	MS	
	J	521000	FACILITY-JONES FALLS	25	4	16-81311	ELC-REPLACE LARGE PAPER IN bathroom		WJ		20160318	MS	
	J	521000	FACILITY-JONES FALLS	25	4	16-82184	ELC-REPAIR TOILET-RUBEN H. JOHNSON 6-4972		WJ		20160321	MS	
	J	525701	HEATER/WATER	25	4	16-82904	ELC-PRINT FIRST FLOOR CTI M. JOHNSON 6-4972		WJ		20160307	MS	
	J	521000	FACILITY-JONES FALLS	25	4	16-82829	ELC-REPLACE HOT WATER VE M. JOHNSON 6-4972		WJ		20160309	MS	
	J	521000	FACILITY-JONES FALLS	25	4	17-80077	ELC-UNCLOG ROOF DRAIN/DR H. JOHNSON 6-4972		WJ		20160309	MS	
	J	521000	FACILITY-JONES FALLS	25	4	16-82829	ELC-BUILD PLATHOON FOR B at Jones falls p.s. see Dean Aballo		JCN		20160328	MS	
	J	521000	FACILITY-JONES FALLS	25	4	17-80077	ELC-REPAIR TOILET-KEEP R PLAT WITH THE HANDLE TO STOP IT FROM RUN		WJ		20160329	MS	
	LOGRO	965000	FACILITY-INDUST POINT	25	30	12-80836	ELC-CHMER BLOODS APART OVER frame. Sullivan 6-4972		CS		20110613	MS	
	LOGRO	965000	FACILITY-INDUST POINT	25	4	14-82487	ELC/REPLACE TOILET (ELC M. JOHNSON 6-4972		CS		20140300	MS	
	LOGRO	965000	FACILITY-INDUST POINT	25	4	15-80006	ELC-FOUNTAIN/WATER/REPERE M. JOHNSON 6-4972		WJ		20150708	MS	
	PCST	975000	FACILITY-FACORPUS	25	30	16-80006	HUG-1ST FLOOR REPAIR CLUG REE BY C-STIEPPE		CS		20160709	MS	
	QUID	575996	FOUNTAIN/WATER	25	4	15-82557	ELC/S-E REPAIR OR REPLACE cooler		WJ		20150626	MS	
	H5FT1	571000	FACILITY-HESTRIT	25	4	13-80682	ELC-S-EH SPOUS NEED DEP stielper c 64972		CS		20130328	MS	
	H5FT1	571000	FACILITY-HESTRIT	25	4	15-82555	ELC/S-E REPAIR OR REPLACE cooler		WJ		20150626	MS	

Total • BLDG • Mkt & Orders:
COUNT 60

BRALYN 555303	FAN/W5 EXHAUST(ON ROOF-RO	25	4	16-82813	ELCPS-REPAIR EXHAUST FAN M. JOHNSON 6-4972	WJ	BLDG	20160314	MS
BRALYN 555302	FAN/W2 EXHAUST(ON ROOF-RO	25	4	16-82816	ELCPS-REPAIR EXHAUST FAN, M. JOHNSON 6-4972	WJ		20160315	MS
BRALYN 550417	PINCH-TRUCKER OFFICE)	25	4	17-80076	ELCPS-REPLACE OVI OUTLET John soon	WJ		20160326	MS
CARDL 965303	PUMP-STORM BRAIN #3	25	30	16-82832	ELCPS-INSTALL PUMP REOL BY J. MAROCK 6-4970	JCN		20160330	MS
CARDL 965303	PUMP-STORM BRAIN #3	25	30	17-80064	ELCPS/ELCPS-INSTALL REBUI stielperc 64972	CS		20160318	MS
CARDL 965701	CONTROLER, PUMP, #1	25	4	16-82823	ELCPS/ELCPS-INSPECT DRIVE FULLI not run) stielperc 64972	CS		20160622	MS
DUNAL 941002	SCREEN-#2 BAR	25	3	17-80049	ELCPS/ELCPS-#2 BAR SCEE M. JOHNSON 6-4972	WJ		20160303	MS
DUNAL 941003	PUMP-SENCE #3	25	30	17-80053	ELCPS/ELCPS-INSTALL MOTOR assembly stielperc 64972	CS		20160300	MS
DUNAL 941003	MOTOR-VALVE/INT PUMP #3	25	30	17-80060	ELCPS/ INSPECT CAUSE FOR cantinly after reseating stielper c 64972	CS		20160315	MS
DUNAL 941003	FAN/EF-4 EXHAUST(ROOF)	25	30	17-80061	ELCPS/ REPLACE MISSING PA BEVEL for exhaust fan stielperc 64972	CS		20160315	MS
DUNAL 941004	CONTROL-WFD #3 SENCE PUM	25	30	17-80080	ELCPS/ELCPS-CHECK #3 DRIVE that will not clear	WJ		20160331	MS
DUNAL 941003	MOTOR-VALVE/INT PUMP #3	25	30	17-80091	ELCPS/ RESE REPAIRS TO RO (pump trips out after 1 minute running) stielper 65194	CS		20160342	MS
DUNAL 941003	MOTOR-VALVE/INT PUMP #3	25	30	17-80092	ELCPS/ELCPS-REPLACE #3 VA working	CS		20160306	MS
DUNAL 941013	HEATER-UNIT(PUMP INT) SH	25	4	16-81724	ELCPS-REPLACE HEATER REOL BY J. MAROCK 6-4970	JCN		20160128	MS
DUNAL 941000	FACILITY-DUNDAK PUMPING	25	4	16-81880	ELCPS-REPAIR SPARE RESEAL REOL BY J. MAROCK 6-4970	JCN		20160304	MS
DUNAL 941000	FACILITY-DUNDAK PUMPING	25	4	16-82144	ELCPS/ REMOVE BARRIER PUMP (Near Backet truck stielper 64972	CS		20160314	MS
DUNAL 941000	FACILITY-DUNDAK PUMPING	25	4	16-82153	ELCPS-REPLACE ALL LIGHT A station	WJ		20160305	MS
DUNAL 941102	PUMP-SENCE #2	25	4	16-82820	ELCPS/ CHECK RECH SEAL LE stielperc 64972	CS		20160621	MS
DUNAL 941103	PUMP-SENCE #3	25	4	17-00009	ELCPS/ELCPS-REINSTALL #3 OPERATING)	WJ		20160713	MS
EASTER 911000	FACILITY-EASTERN AVENUE	25	30	12-82501	ELCPS-REPAIR OR REPLACE P Sullivan 6-4972	MS		20120328	MS

09/08/16 07:18:13

Combined Billing Report
CH's & MP's
Back River, PS & RJSC

ID: > BAKVLOG
as of 09/08/16
Status: 10 & 25

Co.	Area	Loc.	Facility	Machine	Description	NO	Plnt	Stat	Code	WO	Member	Short Problem	Full Problem	Description	By	Issue Date	Wk Sht
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
11	PINNSAC	ST	EASTER 91202	NOTCH-BAR SCREEN	(SOUTH)	25	30	12	82616			ELCPS-TRIPPING OUT	LED BY H. SULLIVAN		US	20160228	421
12			EASTER 91701	PUMP-SERV #1		25	30	13	81866			ELCPS/ELCPS-REPAIR OR REP	Sullivan 6-4972		US	2016001	421
13			EASTER 91202	VALVE-SERVE #2	PUMP	25	30	13	82459			ELCPS-MOTOR KEYS RUNNING	LED BY J. MAROCK		JCN	20130614	421
14			EASTER 91510	FAN-EXHAUST		25	30	14	80012			VALVE/S-REPAIR UNIT KEYS	stielperc 64972		JCN	20130717	421
15			EASTER 91630	VALVE-GP-10	GATE(VAULT-C)	25	30	16	80426			ELCPS/REPAIR VALVE OPER (no power to unit)	see C stielperc 64972		CS	20150631	421
16			EASTER 91630	VALVE-GP-8	GATE(VAULT-C)	25	30	16	80639			ELCPS/REPAIR OR REPLACE V (unit not working)	stielperc 64972		CS	20150602	421
17			EASTER 91630	VALVE-GP-9	GATE(VAULT-C)	25	30	16	80640			ELCPS/REPAIR ESTAB VAL (unit not working)	stielperc 64972		CS	20150602	421
18			EASTER 91630	VALVE-GP-10	GATE(VAULT-C)	25	30	16	80641			ELCPS/REPAIR OR REPLACE (unit not working)	stielperc 64972		CS	20150602	421
19			EASTER 91630	VALVE-GP-1	GATE(VAULT #1)	25	30	16	80642			ELCPS/REPAIR VALVE (unit not working)	stielperc 64972		CS	20150602	421
20			EASTER 91100	FACILITY-EASTERN	AVENUE	25	30	16	80646			ELCPS/REPAIR VALVE OPER (unit not working)	stielperc 64972		CS	20150602	421
21			EASTER 91102	SCREEN-BAR	(SOUTH)	25	30	16	81866			ELCPS/ELCPS-REPAIR BAR SC	in store		WJ	20160025	415
22			EASTER 91501	FAN-EXHAUST #1		25	30	16	82821			ELCPS/ELCPS-ADJUST BELT/REPA	joint.		CS	20160621	466
23			EASTER 91710	PUMP-SERV #1	(C-VAULT)	25	30	17	80023			ELCPS/REPAIR PUMP NOT WORK	stielperc 64972		CS	20160725	415
24			EASTER 91720	CONCRETE-MORAIL	(S TOR)	25	30	17	80655			ELCPS-REPAIR WIRE	on the the morrail crane in the screen room		CS	20160811	421
25			EASTER 91202	NOTCH-BAR SCREEN	(SOUTH)	25	30	17	80089			ELCPS/ELCPS-CHL. IN BAR S	run due to torque repeat alarm		WJ	20160822	415
26			EASTER 91301	VALVE-GP-1	GATE(VAULT #1)	25	4	12	83325			ELCPS/REPAIR ELECTRIC OFE	stielperc 64972		CS	20120528	415
27			EASTER 91301	SCREEN-BAR	(NORTH)	25	4	13	80024			ELCPS-ASSIST TECH WITH R	HOKS 63001		HI	20120719	415
28			EASTER 91602	LOWER-AUTOM	GENERATOR(S)	25	4	13	80546			ELCPS-CHECK FAN FOR PRO	running slow see stielperc 64972		CS	20120802	428
29			EASTER 91602	STARTER-UNIT #2	MOTOR	25	4	13	81601			ELCPS-INVESTIGATE FIRE SU	system pressure alarm (fire marshall) stielperc 64972		CS	20130117	402
30			EASTER 91301	STARTER-UNIT #2	MOTOR	25	4	13	81618			ELCPS-REPAIR VACUUM CONT	requester r slayton 6-9748		RLS	20130201	415
31			EASTER 91302	NOTCH-BAR SCREEN	(SOUTH)	25	4	13	82667			ELCPS-ASSIST TECH. REPAIR			HI	20130521	421
32			EASTER 91501	HEATER-UNIT #1		25	4	14	81700			ELCPS-REPAIR HEATING UNIT	(not working) stielperc 64972		CS	20140128	421
33			EASTER 91601	MOTOR-CENTRAL	CENTER (NOC)	25	4	15	80661			ELCPS-REPAIR PTC BREAKERS	RED. BY J. MAROCK 6-9748		JCN	20141031	421
34			EASTER 91601	MOTOR-CENTRAL	CENTER (NOC)	25	4	15	81642			ELCPS-REPAIR BROWN WST A	RED. BY J. MAROCK 6-9748		JCN	20150223	415
35			EASTER 91005	FLOOD-VAULT	FLOOD	25	4	16	80624			ELCPS/RESTORE MAIN POWER	(no alarm) stielperc 64972		CS	20150831	415
36			EASTER 91301	FACILITY-EASTERN	AVENUE	25	4	16	81134			ELCPS-REPLACE LIGHTS IN P	ceiling. 13 light are out		WJ	20151214	420
37			EASTER 91100	FACILITY-EASTERN	AVENUE	25	4	16	81684			ELCPS-RAMP UNIT TRIPPED	N power stielperc 64972		CS	20160808	421
38			EASTER 91100	FACILITY-EASTERN	AVENUE	25	4	16	81897			ELCPS-CENTER VOLTAGE DETE	RED. BY J. MAROCK 6-9700		JCN	20160225	428
39			EASTER 91302	SCREEN-BAR	(SOUTH)	25	4	16	82149			ELCPS/ELCPS-RAE NEEDED P	NS 69723		HI	20160316	415
40			EASTER 91104	PUMP-SERVE #4		25	4	16	82130			ELCPS/ELCPS-RAE REPAIRS	assembly		DTS	20160318	415
41			EASTER 91100	FACILITY-EASTERN	AVENUE	25	4	16	82163			ELCPS-REPLACE ALL LIGHTS	around the exterior of building		WJ	20160331	420
42			EASTER 91206	PUMP-VACUUM #6		25	4	16	82170			ELCPS/ELCPS-REPAIR VACUUM	run-it just hums		WJ	20160331	420
43			EASTER 91621	GENERATOR-SECT #1	(GEN)	25	4	17	80014			ELCPS-CHECK BATTERYS ON	G water in batteries)		WJ	20160601	415
44			EASTER 91100	FACILITY-EASTERN	AVENUE	25	4	17	80022			ELCPS-ASST. CONTRACTOR W	entry		JCN	20160713	419
45			EASTER 91100	FACILITY-EASTERN	AVENUE	25	4	17	80023			ELCPS/ELCPS-REPAIR OR REP	in vault C ". NOT WORKING		WJ	20160725	415
46			EASTER 91720	CEASE-MORCEBALL	(S TOR)	25	4	17	80659			ELCPS-CHECK CRANE-NOT	W. Johnson 9-4072		WJ	20160815	421
47			EASTER 91100	FACILITY-EASTERN	AVENUE	25	4	17	80070			ELCPS-REPAIR LIGHT IN	hall front of offices. light is out		WJ	20160822	420
48			EASTER 91202	NOTCH-BAR SCREEN	(SOUTH)	25	4	17	80726			ELCPS-REPAIR POWER CAB	TO W. Johnson 6-4972		WJ	20160825	424
49			BLAND 96100	FACILITY-HIGHLANDTOWN		25	30	17	80028			ELCPS/ELCPS DELIVER GEN	station for eng use stielperc 64972		CS	20160727	428
50			92101	PUMP-SERVE #1		25	30	11	80017			ELCPS-PUMP SHEDDING	FAULT. Sullivan 6-4972		US	20120718	441
51			92102	PUMP-SERVE #2		25	30	11	80018			ELCPS-PUMP SHEDDING	FAULT. (craft already notified) Sullivan 6-4972		US	20120718	441
52			92103	MOTOR-SHAGE PUMP #2		25	30	13	81770			ELCPS-REPAIR CAUSE OF	alarm and make repairs. Sullivan 6-4972		US	20130205	441
53			92100	FACILITY-JONES FALLS		25	4	15	81056			ELCPS/CHECK MOTOR FOR	PHA STIELPERC 64972. (PER TEAM SERV)		CS	20150106	415
54			15006	FACTORY-#1	TRIM 2.4	25	4	14	80542			ELCPS-INVESTIGATE RE-LOC	item into pump room stielperc 64972		CS	20101015	461
55			92101	MOTOR-#1	BAR SCREEN	25	4	14	82442			ELCPS-TRIM REPAIRS TO	BE requester r slayton 6-9748		RLS	20130822	415
56			92104	PANEL-#1	TRIM ALARM	25	4	16	81117			ELCPS/ELCPS-REPAIR THE	unit near from operating level(s) stielperc 64972		CS	20140601	421
57			92101	SCREEN-BAR #1	FRONT CLEAN	25	4	16	81700			ELCPS/ELCPS-REPAIR #1	RAE BOX CASE apart from motor		WJ	20160111	415
58			92100	FACILITY-JONES FALLS		25	4	17	80048			ELCPS-RAE WIRE ROP TO	P wall pit		WJ	20160803	415

Co.	Loc.	Machine	Machine Description	MO	Site	Priority	Code	Issue	Short Problem Description	Bill Problem Description	Req. Code	MO	Issued Date	Work Order Type	CLIS
11	PUMPING ST 5	920136	PANEL SUPP PUMP CONTROL #1	25	4	17	80057		ELCP's NO POWER TO START PU H. Johnson 6-4972		WJ	ELCP's	20160815	421	
		920136	PANEL SUPP PUMP CONTROL #2	25	4	17	80082		ELCP's-REPLACE THE INDICAT sealing water systems		WJ	ELCP's	20160831	420	
		923201	PUMP-BAK SCREEN	25	3	17	80082		ELCP'S CALL IN RATE REPAIR controller		WJ	ELCP's	20160817	415	
		923101	GENERATOR-EMERGENCY SET	25	4	16	80338		ELCP'S/TROUBLE SHOOT ALARM stielperc 64972		CS	ELCP's	20160531	441	
		960200	FACILITY-PIER SIX	25	4	12	83332		ELCP'S/INVEST PLAINS FIRE stielperc 64972		CS	ELCP's	20120516	415	
		991134	PUMP-BAK SERVICE #4 W/OTD	25	30	11	83155		ELCP'S-SMILING SEAL LEAK F (variable), Sullivan 6-4972		US	ELCP's	20110414	441	
		991133	PUMP-BAK SERVICE #3 W/OTD	25	30	12	80033		ELCP'S-SEAL LEAK FAULT DL. beam (increased), Sullivan 6-4972		US	ELCP's	20110913	421	
		991167	PANEL-VPD CONTROL #1(ESP)	25	30	15	82015		1 INSPS/ELCP'S-REPAIR FAULT (F-6 over temp) stielperc 64972		CS	ELCP's	20150416	415	
		991167	PANEL-VPD CONTROL #1(ESP)	25	30	15	82016		1 INSPS/ELCP'S-REPAIR FAULT (F-6 over temp) stielperc 64972		CS	ELCP's	20150416	415	
		991227	PUMP-STOP #1	25	4	12	81210		ELCP'S-REPAIR FLOAT	REQ BY C.STIELPER	CS	ELCP's	20111014	415	
		991133	PUMP-BAK SERVICE #3 W/OTD	25	4	12	82369		ELCP'S-DR REPAIRS TO PUMP requester t stielperc 6-9752		RLS	ELCP's	20120228	474	
		991133	PUMP-BAK SERVICE #3 W/OTD	25	4	13	80134		ELCP'S-TEAM REPAIRS ON OLD statial # 153784-2 requester t stielperc 6-9700		RLS	ELCP's	20120730	473	
		991145	GENERATOR-EMERGENCY SET	25	4	16	80057		ELCP'S-CHECK GEN. OIL BATT #. Johnson 6-4972		WJ	ELCP's	20160916	441	
		991135	PUMP-NET WELL SUPP. CONTROL	25	4	16	80261		1 ELCP'S/TROUBLE REPAIR PUMP (closed) stielperc 64972		CS	ELCP's	20160821	435	
									Total = ELCP's = Work Orders.						
									COUNT 84						
COLCAT	949202	PUMP-STOP MAIN PUMP	25	4	12	80264			2. ELCP'S-REPLACE BEARING requester t stielperc 6-9752		RLS	ELCP's	20110824	415	
EASTER	915910	PANEL-EMERGENCY	25	30	14	80012			1 ELCP'S/REPAIR UNIT KEEP stielperc 64972		CS	ELCP's	20140717	421	
EASTER	911000	FACILITY-EASTERN WINDIE	25	4	12	81831			ELCP-REPAIR PHONE LINE DL -410-395-872/stielperc		CS	ELCP's	20111212	444	
EASTER	911004	FACILITY-EASTERN WINDIE	25	4	8	82			1 ELCP-INVESTIGATE POSSIBLE A WALL SWELL WALL mounted heater/chr is 64972		CS	ELCP's	20120124	422	
HIGHL	961000	FACILITY-HIGHLANDTOWN	25	4	12	81835			ELCP-REPAIR PHONE LINE (410-396-7288-no exchange) stielperc 64972		CS	ELCP's	20120101	444	
JF	921000	FACILITY-JAMES FALLS	25	4	11	81900			ELCP-INSPECT PHONE JACK. office stielperc 64972		CS	ELCP's	20101109	444	
JF	921000	FACILITY-JAMES FALLS	25	4	11	81151			1 ELCP-REPAIR TO CHECK PRO stielperc 64972		CS	ELCP's	20101111	444	
LOU	921130	SYSTEM-SCADA	25	4	ER	11	80065		1 ELCP'S/RESTORE COMMUNICAT stielperc 64972		CS	ELCP's	20100722	444	
LOU	182100	SWITCH-RAIN	25	4	12	80185			ELCP-REPLACE REDISH VOLTA at quad ave for 15kw transformer		015	ELCP's	20110727	422	
WEST	971000	FACILITY-WESTPOINT	25	4	12	82734			ELCP/REPAIR TO STATION communication line 410-395-7514--stielperc 64972		CS	ELCP's	20120821	444	
									Total = ELCP's = Work Orders.						
									COUNT 10						
CARD	965300	FACILITY-CARDLINE ST. P. S.	25	30	16	80651			GRIDS / VAC CON TO CLEAN stielperc 64972		CS	ELCP's	20160910	445	
CARD	965300	FACILITY-CARDLINE ST. P. S.	25	30	16	84063			GRIDS /VAC TRUCK TO CLEAN stielperc 64972		CS	ELCP's	20161006	445	
CARD	965302	PUMP-STOP RAIN #2	25	4	16	80078			GRDS-REPOSITION TRUCK TO S SEE KEITH BANNER. REQ BY J. HODDY 6-9748		JCH	ELCP's	20161006	404	
DUNEL	941000	FACILITY-DUNELKS PUMPING	25	4	16	81677			GRDS-BOOM TRUCK NEEDED TO STATION. REQ. BY H.HOOKS 69733		WH	ELCP's	20160204	404	
DUNEL	941000	FACILITY-DUNELKS PUMPING	25	4	16	82803			GRDS-BOOM TRUCK NEEDED TO WITH DELIVERY OF PARTS TO STATION. REQ. BY H.HOOKS 69733		WH	ELCP's	20160507	404	
EASTER	919004	DUMPSTER-DUMPTH	25	30	15	82020			GRDS-NEED VAC-ALL TRUCK WEIGHT screen from dumpster(dumpster full)		WJ	ELCP's	20150421	415	
EASTER	911104	PUMP-SERVICE #4	25	4	16	80038			GRDS-BOOM TRUCK TO DELIVER TRUCK TO EASTERN AVE. P.S. DATE OF 7/22/15. REQ. BY H.HOOKS		WH	ELCP's	20160721	404	
HIGHL	951000	FACILITY-HIGHLANDTOWN	25	30	17	00024			2 GRIDS/ ELCP'S DELIVER GEN station for exp use stielperc 64972		CS	ELCP's	20160726	404	
									Total = TRPS = Work Orders.						
									COUNT 8						
BROTH	955301	PAN-#1 EXHAUSTION ROOF RD	25	4	15	81029			HA-REPLACE BELT	REQ. BY J. HODDY 6-9748	JCH	HA	20141124	466	
BROTH	957001	FOUNTAIN-INTAKING WATER	25	4	15	86551			2 PUMP/HA-REPAIR OR REPLACE cooler		WJ	ELCP's	20150626	415	
CARD	985503	AIR CONDITIIONER (HINDO)	25	30	15	82146			HA /REPLACE AC UNIT (LOU stielperc 64972		CS	ELCP's	20150618	415	
CARD	985503	AIR CONDITIIONER (HINDO)	25	30	16	80078			HA/ REPLACE AC UNIT (NO stielperc 64972		CS	ELCP's	20160804	415	
DUNEL	942907	PAN-#4 EXHAUST(ROOF)	25	30	16	80020			HA-NOT WORKING NO AIR stielperc 6-4972		CS	ELCP's	20160715	415	
DUNEL	947803	FOUNTAIN-WATER	25	4	15	82636			2 PUMP/HA-REPAIR OR REPLACE cooler		WJ	ELCP's	20150626	415	

Co.	Area	Loc.	Machine	Description	W/O	Prtr	Start Problem Description	Full Problem Description	Req. By	W/O	Issue Date	W/O	Issue Date	Typ	Crts
11	PUMPING ST	EAS18K	FAN-EXHAUST	(EAST)	25	30	14.81849	2. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FAN-EXHAUST		25	30	14.86012	2. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			AIR HANDLING UNIT AND CHL		25	30	16.80089	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			AIR HANDLING UNIT AND CHL		25	30	16.82437	1. HV/ELPS/REPAIR CHILLER (no control panel) stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FAN-EXHAUST #1		25	30	16.82821	2. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FAN-EXHAUST #1		25	30	17.80380	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FAN-EXHAUST #1		25	30	13.82772	2. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			HEATER UNIT #1		25	4	14.81650	2. HV/ELPS/REPAIR HEATER stielperc 64972	CS	HA	20130717	HA	20130717	421	
			HEATER UNIT #2		25	4	14.81659	2. HV/ELPS/REPAIR HEATER stielperc 64972	CS	HA	20130717	HA	20130717	421	
			HEATER UNIT #1 (3RD FLOOR)		25	4	15.81629	2. HV/ELPS/REPAIR HEATER stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FURNACE/WATER		25	4	15.82553	2. HV/ELPS/REPAIR OR REPLACE COOLER	CS	HA	20130717	HA	20130717	421	
			FACILITY/EASTERN AVENUE		25	4	15.82570	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			MACHINE #1		25	4	16.80673	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			PUHP-BEATING #1 (BOILER)		25	4	16.80682	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FAN-EXHAUST #1		25	4	16.81689	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			CONDENSING UNIT/ROOF #200		25	30	16.82372	2. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			CONDENSING UNIT/ROOF #200		25	30	16.82575	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FOURTH-FLOOR WATER COOLER		25	4	17.00013	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FURNACE/WATER		25	4	16.80005	2. HV/ELPS/REPAIR OR REPLACE WATER COOLER	CS	HA	20130717	HA	20130717	421	
			FURNACE/WATER		25	4	16.80006	2. HV/ELPS/REPAIR OR REPLACE WATER COOLER	CS	HA	20130717	HA	20130717	421	
			FURNACE/WATER		25	4	15.82527	2. HV/ELPS/REPAIR OR REPLACE COOLER	CS	HA	20130717	HA	20130717	421	
			UNIT #2		25	4	15.82019	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			UNIT #1		25	4	17.00004	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FACILITY-WESTROCK		25	4	15.82555	2. HV/ELPS/REPAIR OR REPLACE COOLER	CS	HA	20130717	HA	20130717	421	
Total # HA = 1474 Orders:															
COUNT 33															
			FAN-EXHAUST		25	30	15.82250	2. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			SYSTEM-BOILER		25	30	16.81335	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			CONTROL-PC		25	4	15.81484	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			CONTROL-PC		25	4	16.80684	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			REORDER-CHART-MET/ELL		25	4	16.81135	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			CONTROL-UNIT #2		25	30	15.82223	2. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			CONTROL-UNIT #2		25	30	15.81113	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			REORDER-CHART-MET/ELL		25	4	13.82594	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FLOW INDICATING RECORDER/		25	4	14.82194	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			FLOW INDICATING RECORDER/		25	4	14.82194	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			REORDER-CHART-MET/ELL		25	4	15.81463	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			REORDER-CHART-MET/ELL		25	4	15.82013	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			REORDER-CHART-MET/ELL		25	4	15.82034	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			REORDER-CHART-MET/ELL		25	4	15.82525	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			SYSTEM-SCADA		25	30	15.82553	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			REORDER-CHART-MET/ELL		25	4	16.82527	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			TRANSMITTER PRESSURE		25	30	17.00000	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			CONSISTIBLE GAS ALARM		25	4	12.80513	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	
			CONSISTIBLE GAS ALARM		25	4	13.80031	1. HV/ELPS/REPAIR UNIT KEEP stielperc 64972	CS	HA	20130717	HA	20130717	421	

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Continued Backlog Report

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Backlog: PS & MIS
Status: 10 of 25

Co.	Machine	Machine	Machine	Loc.	Issue	Plac	Short Problem Description	Full Problem Description	Req. Code	Craft No	Issue Date	Issue Type	By
11	FUPTING ST	EASTER 913102	SCREEN-BAR (SOUTH)	25	4	15-80085	2. INSPS/CLIPS- SOUTH DOME W/ 100L H. H. JERSON 6-4972		HJ	20151009	423		
		EASTER 910010	CONTROLLER-PROGRAMMABLE	25	4	17-00081	INSPS/ REPLACE BATTERY IN PLC STEELPER 64972		CS	20160330	415		
		JF 520005	CONTROLLER-PROGRAMMABLE	25	30	15-80293	2. INSPS/CLIPS HAVE REPAIRS/ OUT SCREEN /PLC-STEELPER 64972		CS	20140808	415		
		JF 520301	GENERATOR-EXERCISE SET	25	30	15-80414	2. INSPS/ CLIPS-INSTANTAN. REPAIRS- S-C REPAIR } STEELPER 64972		CS	20150620	451		
		JF 520001	PLC/LOCAL CONTROL STATION	25	30	16-80130	INSPS/RESTORE BACK UP FLO TO CONTROL STATION STEELPER 64972		CS	20150601	423		
		JF 520005	VFD #4 SERVICE PUMP/OPX300	25	30	16-80673	INSPS-REPAIR FAULT, MANT REPAIR BY C. STEELPER		CS	20150625	441		
		JF 520018	ELBBER (WELL)	25	4	12-81514	INSPS/ INSPECT FOR PROPER STEELPER 64972		CS	20111123	475		
		JF 520012	PUMP-OVERBOARD (WELL)	25	4	14-82482	INSPS- REPLACE B&B UNIT REPAIR BY R. BARTON JR		CS	20140623	415		
		JF 520018	ELBBER (WELL)	25	4	16-81132	INSPS/ VERIFY LEVEL REPAIR STEELPER 64972		CS	20151211	415		
		JF 525103	COMPRESSOR-#3 BUBBLER AIR	25	4	17-80287	INSPS-CHECK AIR COMPRESSOR H. JERSON 6-4972		HJ	20160831	421		
		LOCP0 520201	COMPRESSOR-#3 BUBBLER AIR	25	2	16-80650	1. INSPS/CLIPS-REPLACE AIR C OIL M. H. JERSON 6-4972		HJ	20150608	450		
		LOCP0 520029	BUBBLER-SYSTEM	25	30	16-80076	INSPS/REPAIR OR REPLACE C TWO PRESSURE } STEELPER 64972		CS	20150723	421		
		PLST 572029	MANITR-PLMTI-GAS SYSTEM	25	4	13-81633	INSPS-CHECK FOR PROPER OP REPAIR BY R. BARTON JR		CS	20121003	438		
		PLST 572017	MANITR-PLMTI-GAS SYSTEM	25	4	16-80023	INSPS/ REPAIR LEAK (REPAIR STEELPER 64972		CS	20130327	418		
		PLST 572007	PANEL-TELEPHONE	25	4	16-80854	INSPS- CHECK GAS METER ALA CLEAR.		CS	20150716	441		
		PLST 572017	MANITR-PLMTI-GAS SYSTEM	25	4	16-81879	INSPS- VERIFY GAS METER ALA OF		HJ	20150723	421		
		PLST 572017	MANITR-PLMTI-GAS SYSTEM	25	4	17-80752	INSPS/ INSPECT UNIT OPERA BLEND UNIT CLEAR 64972		CS	20160810	415		
		QIAD 530002	CONTROLLER-PROGRAMMABLE	25	30	17-80051	INSPS-CLIPS GAS METER ALA OF		CS	20140814	415		
		QIAD 530002	FLOW INDICATING RECEIVER/	25	4	14-82195	INSPS/REPAIR CHART PEN IN STEELPER 64972		CS	20141208	415		
		QIAD 530018	VETERNA-RET CELL GAS	25	4	15-81043	INSPS- REPLACE B&B UNIT BY R. BARTON JR		CS	20160216	423		
		QIAD 530002	FLOW INDICATING RECEIVER/	25	4	16-81650	INSPS- B&B ON RECEIVER NOT H. JERSON 6-4972		HJ	20160210	421		
		QIAD 530001	ANALYTIC FLOW PETER	25	4	16-82164	INSP-REPAIR FLOW PETER AND DISPLAY. THE AREA IS MOVING BUT NOT RECORDING		HJ	20160130	421		
		QIAD 530018	VETERNA-RET CELL GAS	25	4	16-82077	INSPS/ MAKE NECESSARY REPAIR (NOT WORKING) STEELPER 64972		CS	20160417	415		
		STRN 991167	PANEL-VPD CONTROL #1 (B&B)	25	30	15-82015	2. INSPS/CLIPS-REPAIR FAULT (F-B OVER TRIP) STEELPER 64972		CS	20150416	415		
		STRN 991167	PANEL-VPD CONTROL #1 (B&B)	25	30	15-82015	2. INSPS/CLIPS-REPAIR FAULT (F-B OVER TRIP) STEELPER 64972		CS	20150416	415		
		STRN 991171	PUMP-FLOW PETER	25	4	12-80047	INSPS/ REPAIR F&M FAULT O AVOID RUN PEN FAULT ON KEY LOCK) STEELPER 64972		CS	20110816	435		
		STRN 991174	PANEL-PLC	25	4	14-82451	INSPS/ INSPECT FOR OPERATI STEELPER 64972		CS	20140816	435		
		STRN 991123	PUMP-ABFUBERT FLOW	25	4	16-80663	INSPS/ REPLACE FLOW FLO L 35 * Incorporating not reading flow in steelper 64972		CS	20150822	415		
		STRN 991132	PUMP-BAH SERVICE #2 W/OTO	25	4	16-80664	INSPS- REPLACE DISCH PRESS STEELPER 64972		CS	20150222	415		
		STRN 991131	PUMP-BAH SERVICE #1 W/OTO	25	4	16-80666	INSPS/ CLEAR FAULT ON (REPAIR RUN) STEELPER 64972		CS	20150622	411		
Total * INSPS * Work Orders: 64972													
CURT 51													
INST-TO ORDER OF TRANSMIT FOR RETRAKEMENT. SEE C. HALLIGER. BARTON 6-49744													
Total * INST * Work Orders: 64972													
CURT 1													
		DURVAL 541102	PUMP-SERVICE #2	25	4	16-82816	REPAIR-REPAIR SHIRT AND HO 64973		WH	20160624	454		
		DURVAL 541103	PUMP-SERVICE #3	25	4	17-00018	REPAIR-MACHINE NEW BED FOR H. HOOKS 64973		WH	20160719	439		
		DURVAL 541102	PUMP-SERVICE #2	25	4	17-00019	REPAIR-REPAIR WEAR RINGS H. HOOKS 64973		WH	20160719	439		
		EASTER 913101	SCREEN-BAR (NORTH)	25	4	16-82131	REPAIR-MACHINE LIME SPACER (2. REPAIR BY H. HOOKS 64973		WH	20160811	439		
		EASTER 919004	DUMP-TRK (NORTH)	25	4	16-82455	REPAIR SPLI IN SIDE O STEELPER 64972		CS	20160622	439		
		EASTER 9114	TRAILER-64975	25	4	17-00005	P&H REPAIR B&B TRAILER J STEELPER 64972		CS	20160626	415		
		EASTER 919004	PUMP-TRK (NORTH)	25	4	17-00000	REPAIR-REPLACE ALL FOUR-H H. JERSON 6-4972		CS	20160719	439		
		EASTER 919005	PUMP-TRK (SOUTH)	25	4	17-00021	REPAIR-REPAIR WEAR H. JERSON 6-4972		HJ	20160719	439		
		524302	DRIVE-#2 B&B SCREEN	25	4	16-81721	REPAIR-FABRICATE NEW SHIRT BED BY H. HOOKS 64973		WH	20160127	454		

Co. ID	Loc	Machine	Machine Description	HW	Qty	Plnr	HW	Plnr	Short Description	Full Problem Description	Req. Code	Craft	HW Issue Date	HW Sht
11	PUPPING ST #	920012	METER OVERSPEED ALERT	25	4	15.82002		15.82002	PUMP- WASTE METAL BOX FOR TEST BY P. JOHNSON JR		CS	PCNPS	20160100	188
		920013	DUMPFSTER #2001 (SCREEN BT)	25	4	17.80030		17.80030	PUMP-REPAIR 2 WHEEL ON D. JOHNSON 6-4972	pressure. stielperc 64972	JCM		20160620	185
		920014	FACILITY JAMES FALLS	25	4	17.80033		17.80033	PUMP-REPAIR 2 WHEEL ON D. JOHNSON 6-4972	REQ. BY J. HUSOCK 6-9700	CS		20160818	185
		920015	WATER PUMP #1	25	4	16.82258		16.82258	PUMP-REPAIR BROWN WHEEL H. JOHNSON 6-4972	(very noisy) stielperc 64972	CS		20151208	185
		920016	SCREEN #2 BAR	25	4	17.80039		17.80039	PUMP-REPAIR #2 BAR SECT H. JOHNSON 6-4972	stielperc 64972	CS		20160602	185
		920017	PUMP SERVICE #2	25	30	16.81348		16.81348	PUMP-REPAIR #2 PUMP REAR blow apart		HJ		20160603	185
		920018	PUMP SERVICE #3	25	30	16.82543		16.82543	PUMP-REPAIR #3 PUMP FRONT for load test stielperc 64972		CS		20160602	182
		920019	MOTOR VACUUM PUMP #1	25	30	17.80053		17.80053	PUMP-REPAIR #1 PUMP FRONT for load test stielperc 64972		CS		20160608	185
		920020	SCREEN #2 BAR	25	30	17.80056		17.80056	PUMP-REPAIR #2 PUMP FRONT for load test stielperc 64972		CS		20160815	182
		920021	MOTOR VACUUM PUMP #2	25	30	17.80059		17.80059	PUMP-REPAIR #2 PUMP FRONT for load test stielperc 64972		CS		20160825	185
		920022	MOTOR VACUUM PUMP #3	25	30	17.80062		17.80062	PUMP-REPAIR #3 PUMP FRONT for load test stielperc 64972		HJ		20160831	182
		920023	COGENERATOR EMERGENCY	25	4	14.80810		14.80810	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		CS		20160923	188
		920024	STRAINER VACUUM PUMP #1&2	25	4	14.81936		14.81936	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		CS		20160212	185
		920025	FACILITY DUMPFSTER PUMPING	25	4	15.81635		15.81635	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HR		20150210	185
		920026	PUMP SERVICE #3	25	4	15.91885		15.91885	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20150325	187
		920027	PUMP SERVICE #4	25	4	15.92000		15.92000	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160604	182
		920028	PUMP SERVICE #2	25	4	15.82512		15.82512	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160822	185
		920029	PUMP SERVICE #3	25	4	17.00008		17.00008	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160822	185
		920030	MOTOR BAR SCREEN (SOUTH)	25	30	17.90089		17.90089	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160822	185
		920031	PUMP SERVICE #1	25	4	15.81116		15.81116	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		CS		20141125	185
		920032	FLOW SWITCH #1	25	4	15.81002		15.81002	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		CS		20141125	185
		920033	PUMP SERVICE #3	25	4	15.92558		15.92558	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20150529	188
		920034	MOTOR RINDING CRANKY (IN S)	25	4	16.81887		16.81887	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		CS		20151113	185
		920035	SCREEN BAR (SOUTH)	25	4	16.81887		16.81887	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160210	185
		920036	PUMP SERVICE #4	25	4	16.82145		16.82145	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160316	185
		920037	PUMP SERVICE #4	25	4	16.82257		16.82257	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		CS		20160316	185
		920038	TRAILER #2255	25	4	16.82266		16.82266	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160608	185
		920039	PUMP SERVICE #2	25	4	17.00008		17.00008	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160712	185
		920040	MOTOR BAR SCREEN (SOUTH)	25	4	17.00010		17.00010	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160712	185
		920041	PUMP SERVICE #1	25	4	17.00011		17.00011	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160713	185
		920042	FACILITY EASTERN ARBITRE	25	4	17.00022		17.00022	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160725	185
		920043	PUMP SERVICE #2	25	4	17.80054		17.80054	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160906	185
		920044	PUMP SERVICE #3	25	30	17.80029		17.80029	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160906	185
		920045	SCREEN BAR #1 (FRONT CLEAN)	25	30	17.80055		17.80055	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		CS		20160729	185
		920046	PUMP #3 SEAL WATER W/OTO	25	4	16.81139		16.81139	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		CS		20160729	185
		920047	SCREEN BAR #1 (FRONT CLEAN)	25	4	16.81700		16.81700	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		CS		20160729	185
		920048	TANK SEAL WATER W/OTD #2	25	4	16.80322		16.80322	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160111	185
		920049	PREVENTER BACKFLOW (BASE)	25	4	17.00000		17.00000	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		CS		20160606	188
		920050	MOTOR #2 BAR SCREEN	25	4	17.80051		17.80051	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160607	188
		920051	MOTOR #2 BAR SCREEN	25	4	17.80051		17.80051	PUMP-REPAIR #1 PUMP REAR for load test stielperc 64972		HJ		20160804	189

Total * PCNPS * Work Orders.
COUNT 13

Co.	Facility	Machine	Machine Description	HD	Qty	Unit Code	Unit	Short Problem Description	Full Problem Description	Craft No	Wk Sht Issue Date	Wk Sht Issue Date
16.	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
11	PREPAC ST JF	925003	PUMP #2 SUSPENSIBLE SUPPLY	25	4	17.90774	17.90774	LEAKS-REPAIR SUPPLY PUMP #2 Attention Vetter Boys		WJ	20160025	WJ
	JF	921000	FACILITY-JONES FALLS	25	4	17.80088	17.80088	POPS-VERIFY VALVE ON #4 in screen room. (see operator)		WJ	20160031	WJ
	QJ40	532102	VALVE #2 PUMP CONTROL	25	30	16.82628	16.82628	POPS/REPAIR VALVE PACKING stielperc 64972		CS	20160612	CS
	QJ40	922302	OPERATOR #2 PUMP CONTROL	25	4	14.82430	14.82430	2. ELPS/POPS-REPAIR OPERATOR CORRECTLY. stielperc 74972		CS	20140023	CS
	QJ40	530102	VALVE #2 PUMP CONTROL	25	4	14.82430	14.82430	POPS/ASSIST TIEPS WITH #2 pipe in well-stielperc 64972		CS	20140023	CS
	QJ40	532102	VALVE #2 PUMP CONTROL	25	4	16.81712	16.81712	POPS/REPAIR LEAKING VAL. stielperc 64972		CS	20160114	CS
	STJ40	591134	PUMP #2H SERVICE #4	25	4	15.82017	15.82017	POPS/INSPECT PUMP (PUMP) stielperc 64972		CS	20150416	CS
	STJ40	591135	PUMP #2H SERVICE #4	25	4	16.80661	16.80661	2. ELPS/POPS-REPAIR PUMP (Clogged) stielperc 64972		CS	20150621	CS
Total • POPS • Work Orders: COURT 50												
EASTER 511105 PUMP-STRATEGY SERVICE												
Total • FECH • Work Orders: COURT 1												
21	CAROL 565701	CONTROL-EX. PUMP #1	CONTROL-EX. PUMP #1	25	4	15.81484	15.81484	2. PPSX/POPS-INVESTIGATE C not working in auto-stielperc 64972		CS	20150602	CS
	CAROL 565701	CONTROL-EX. PUMP #1	CONTROL-EX. PUMP #1	25	4	16.82223	16.82223	2. PPSX/POPS-INJECT (WELL) not run stielperc 64972		CS	20160622	CS
	BUNDA 548103	CONTROL-VALVE #2 SERVICE PUMP	CONTROL-VALVE #2 SERVICE PUMP	25	30	15.82223	15.82223	3. PPSX/INSPECT/TEST-REPAIR (WELL) fail-stielperc 64972		CS	20150606	CS
	BUNDA 548105	CONTROL-VALVE #4 SERVICE PUMP	CONTROL-VALVE #4 SERVICE PUMP	25	30	16.80674	16.80674	2. PPSX- INVESTIGATE DRIVE (for current) stielperc 64972		CS	20151006	CS
	BUNDA 548105	CONTROL-VALVE #2 SERVICE PUMP	CONTROL-VALVE #2 SERVICE PUMP	25	30	16.82541	16.82541	2. ELPS/POPS-REPAIR (WELL) FAULT) stielperc 64972		CS	20160602	CS
	DUNDA 548104	CONTROL-VALVE #3 SERVICE PUMP	CONTROL-VALVE #3 SERVICE PUMP	25	30	17.90083	17.90083	2. ELPS/POPS-CHECK #3 DRIVE that will not clear		WJ	20160831	WJ
	EASTER 915609	SYSTEM-SEWA	SYSTEM-SEWA	25	30	16.80078	16.80078	(PPSX) HISTORIC (CONTROL) system operations both) stielperc 64972		CS	20151016	CS
	JF	928103	VALVE #2 SERVICE PUMP	25	2	16.81673	16.81673	(PPSX) #2 VALVE TRIPS OUT (1) stielperc 64972		CS	20160603	CS
	JF	928105	VALVE #4 SERVICE PUMP	25	30	15.83524	15.83524	(PPSX) INVESTIGATE/REPAIR (BY-PASS) stielperc 64972		CS	20160603	CS
	JF	928102	VALVE #1 SERVICE PUMP	25	30	16.90177	16.90177	(PPSX) #VALVE IS TRIPPING @ fault		CS	20160601	CS
	JF	928104	VALVE #3 SERVICE PUMP	25	30	16.82553	16.82553	(PPSX) MAKE REPAIRS TO VALVE FAULTS (stielperc 64972		WJ	20151006	WJ
	JF	921000	FACILITY-JONES FALLS	25	4	11.81230	11.81230	3. (PPSX) RELOCATE MANY WELLS AROUND PPSX ON 01/20/16		CS	20160120	CS
	JF	928002	VALVE #1 SERVICE PUMP	25	4	15.82562	15.82562	(PPSX) REPAIR #VALVE FAULTS (over temp.)		WJ	20150627	WJ
	JF	928104	FACILITY-STATION ALARM	25	4	16.81117	16.81117	1. ELPS/POPS-RELOCATE THE (cont near from operating levels) stielperc 64972		CS	20151116	CS
	LOOTO 985000	FACILITY-LUKEST POINT	FACILITY-LUKEST POINT	25	30	16.82175	16.82175	(PPSX) ALARM ON PLC SCREEN critically low, may affect performance		WJ	20160406	WJ
Total • PPSX • Work Orders: COURT 15												
31	BROTH 551000	FACILITY-ROCKWELL PUMPING	FACILITY-ROCKWELL PUMPING	25	4	16.01364	16.01364	FEW-NOOP LEAKING	FEW-NOOP LEAKING	CS	20121020	CS
	CONCAT 545501	PUMP CONTROL CENTER	PUMP CONTROL CENTER	25	4	8.02	8.02	FEW-INVESTIGATE ELECTRICAL FROM WORKING PUMPING station may not be proper size for the	FEW-INVESTIGATE ELECTRICAL FROM WORKING PUMPING station may not be proper size for the	CS	20100430	CS
	DUNDA 541000	FACILITY-DUNDA PUMPING	FACILITY-DUNDA PUMPING	25	30	15.80600	15.80600	1. FEW/POPS-INSTALL SUPPLY VALVE stielperc 64972		CS	20140810	CS
	DUNDA 541001	LEAVE BRIDGE (15 TON)	LEAVE BRIDGE (15 TON)	25	30	15.82524	15.82524	2. ELPS/FEW-MAKE REPAIRS TO (no in function headst) stielperc 64972		CS	20150617	CS
	DUNDA 541000	FACILITY-ROCKWELL PUMPING	FACILITY-ROCKWELL PUMPING	25	4	16.01364	16.01364	FEW- INVESTIGATE WMP VMP leaking stielperc 64972		CS	20110630	CS
	DUNDA 541000	FACILITY-ROCKWELL PUMPING	FACILITY-ROCKWELL PUMPING	25	4	16.01364	16.01364	FEW-NOOP LEAKING	FEW-NOOP LEAKING	CS	20110630	CS
	EASTER 916000	PUMPING-EPEN GENERATIVE	PUMPING-EPEN GENERATIVE	25	30	13.81932	13.81932	FEW-INVESTIGATE CAUSE OF PUMP station. 9/11/01 64972		CS	20130110	CS
	EASTER 911000	FACILITY-EASTERN AVENUE	FACILITY-EASTERN AVENUE	25	4	12.82123	12.82123	2. FEW-INVESTIGATE POSSIBLE A well spill wall mounted heater/chr is 64972		CS	20120124	CS
	EASTER 911000	FACILITY-EASTERN AVENUE	FACILITY-EASTERN AVENUE	25	4	16.01364	16.01364	FEW-REPAIR CONCRETE PAD through up tripping hezzard-see chris stielperc 64972		CS	20120603	CS
	EASTER 911000	FACILITY-EASTERN AVENUE	FACILITY-EASTERN AVENUE	25	4	16.01364	16.01364	FEW- INVESTIGATE WMP DR DR DR DR stielperc 64972		CS	20120625	CS
	EASTER 911000	FACILITY-EASTERN AVENUE	FACILITY-EASTERN AVENUE	25	4	16.82362	16.82362	FEW-PROVIDE AND INSTALL SS STATION AND SECURITY CAMERA SURVEILLANCE SYSTEM UPGRADES.	FEW-PROVIDE AND INSTALL SS STATION AND SECURITY CAMERA SURVEILLANCE SYSTEM UPGRADES.	CS	20160419	CS
	FITL 502000	FACILITY-FORT PIERCE	FACILITY-FORT PIERCE	25	4	12.80674	12.80674	FEW-INVESTIGATE INSTALL FACILITY OPERATOR/TRANSFER SWITCH FOR STATION.	FEW-INVESTIGATE INSTALL FACILITY OPERATOR/TRANSFER SWITCH FOR STATION.	CS	20110831	CS
	HELAND 561000	FACILITY-HIGHLAND	FACILITY-HIGHLAND	25	4	12.01525	12.01525	FEW- INVESTIGATE 110 VLT WIRING - (FEW) WARRICK) 64972		CS	20111206	CS

Co.	Area	Loc.	Machine	Machine Description	NO	Qty	Pipe	Short Problem Description	Full Problem Description	Req. By	Craft Issue Date	Wk Sht Typ dtn	CIS
11	PIPING ST	F	92100	FACILITY, JONES FALLS	25	4	12.80628	PIPE-90DE	PIPE LINE AND INSTALLED IN UPSTAIRS W/PO ROOM STEELPERC 64972	CS	20110803	HH	
			92301	FEEDWATER/BOILERHOUSE	25	4	17.00015	PIPE-90DE	PIPE-90DE BENT FROM PER W. JENSEN 6-4972	WJ	20160714	HH	
			96300	FACILITY, JACUST POINT	25	4	14.8125	PIPE/IE-90DE	BLK OFF STEELPERC 64972	CS	2011219	HH	
			97801	SOUTH TRANSFER	25	4	14.8125	PIPE-90DE	PIPE-90DE STEEL PERC FOR T. HAYS	TAD	20120619	HH	
			98125	FACILITY, STONEY RUN P. S	25	4	12.81199	PIPE-90DE	PERMANENT PERMANENT PIPE FAILURE OPERATIONAL PROBLEMS OR (PER DESIGN) REQUESTER	RLS	2011005	HH	
			98126	FACILITY, STONEY RUN P. S	25	4	13.81640	PIPE-90DE	PERMANENT PERMANENT PIPE CAP WALL DESIGN PROBLEM STEELPERC 64972	CS	20130115	HH	
			98127	FACILITY, WESTHART	25	4	13.80729	PIPE-90DE	PERMANENT PERMANENT INSTALL STEELPERC 64972	CS	20121125	HH	
Total • PERC • Work Orders:													
COURT 21													
			94302	SCREEN #2 BAK	25	30	17.83373	PIPER/SIT-REFACE	LOWER & OIL	WJ	2010025	HH	
			97801	PIPE, SPT #1	25	5	15.82139	PIPE-EMERGENCY AND ATTACH TO	DESIGNED BY J. DEINLEIN	JAD	20160714	HH	
			97802	PIPE, SPT #2	25	5	15.82140	PIPE-EMERGENCY AND ATTACH TO	DESIGNED BY J. DEINLEIN	JAD	20160714	HH	
Total • PERC • Work Orders:													
COURT 3													
			95121	FACILITY, CLINTON STA. #1	25	30	15.80060	SILOPS/PIPER/SIT-REFACE	HO FLOW RED BY J. KAWOZY 6-4978	JCM	20140815	HH	
Total • SILOPS • Work Orders:													
COURT 1													
Area • PIPING ST • Work Orders:													
COURT 359													
Total Co. • 11 • Work Orders:													
COURT 360													

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Co. No.	Facility	Module	Issue No.	Plant Code	Plant No.	Short Problem Description	Full Problem Description	Req. By	Craft Code	WO Issue Date	Wk's Snt Typ
BU MISC	PETER 980013 FACILITY-PT. WASHINGTON PE	25	4	11.55141		BLDG-PAINT-PAINT BLDG WRT STD BY R BARTON JR		RSJ	BLDG	20110510	125
PETER 980014 FACILITY-FALMOUTH TETERBIE	25	4	12.55152		BLDG-BUILD STEPS FOR STAIR LED BY R BARTON JR		RSJ	BLDG	20120015	145	
PETER 980013 FACILITY-PT. WASHINGTON PE	25	4	12.55194		BLDG-PAINT-PAINT INTERIOR LED BY R BARTON JR		RSJ	BLDG	20120003	145	
PETER 980007 FACILITY-BOSTON AVE. STA.	25	4	15.55013		BLDG-PAINT-PAINT BOX AT 5 LED BY R BARTON JR		RSJ	BLDG	20140723	125	
PETER 980005 FACILITY-CHESTNUT AVENUE ST	25	4	15.55014		BLDG-PAINT-PAINT BOX AT LED BY R BARTON JR		RSJ	BLDG	20140723	125	
PETER 980004 FACILITY-LONG PLAGE STA.	25	4	15.55015		BLDG-PAINT-PAINT BOX AT LED BY R BARTON JR		RSJ	BLDG	20140723	125	
PETER 980014 FACILITY-FALMOUTH TETERBIE	25	4	15.55016		BLDG-PAINT-PAINT BOX AT LED BY R BARTON JR		RSJ	BLDG	20140723	125	
PETER 980016 FACILITY-FARMERSWELL TETERBIE	25	4	15.55017		BLDG-PAINT-PAINT BOX AT LED BY R BARTON JR		RSJ	BLDG	20140723	125	
PETER 980011 FACILITY-FARMERSWELL TETERBIE	25	4	15.55018		BLDG-PAINT-PAINT BOX AT LED BY R BARTON JR		RSJ	BLDG	20140723	125	
PETER 980009 FACILITY-HEARDING KNU STA.	25	4	15.55019		BLDG-PAINT-PAINT BOX AT LED BY R BARTON JR		RSJ	BLDG	20140723	125	
PETER 980008 FACILITY-FETERBIE STATION	25	4	15.55020		BLDG-PAINT-PAINT ALL OF 7 LED BY R BARTON JR		RSJ	BLDG	20160621	125	
RUMBLE 982270 MUNICIPAL BUILDING	25	4	14.55124		BLDG-TO PAINT OFFICES on 3rd fl municipal bldg. req by c.carter sr per letter to cc		CC	BLDG	20140531	125	
PARKTE 982200 PARK TETTERBIE UTILITIES	25	4	14.55121		BLDG-BLUG INSTALL PANEL A circuits for computers/coffee maker and other equipment		DTS	BLDG	20140530	122	
POLCON 989000 FACILITY-POLLUTION CONT.	25	2	17.55010		BLDG-TOILETS IN THE LABS backing up through the floor drain (could signal problem		EP	BLDG	20160610	125	
POLCON 989000 FACILITY-POLLUTION CONT.	25	30	16.55012		BLDG-VALVE'S 5 PALLETS OF FROM THE STORES to air storage building over behind		EP	BLDG	20130928	124	
POLCON 989000 FACILITY-POLLUTION CONT.	25	30	16.55024		BLDG-3 HKS LEAKING ONTO FL There is a maintenance problem/health issue with the men's		EP	BLDG	20151027	142	
POLCON 989000 FACILITY-POLLUTION CONT.	25	4	13.55013		BLDG - INTERNAL SEPT DISC. RECOMMENDED: P. BOYLE 6-9555.		PG	BLDG	20120725	1415	
POLCON 989000 FACILITY-POLLUTION CONT.	25	4	14.55016		BLDG. - ISN LOADING DOCK: IS / ALSO WORKING A LOOP SCHEDULING SOUND		PG	BLDG	20130919	1459	
POLCON 989000 FACILITY-POLLUTION CONT.	25	4	15.55013		BLDG. HR & TOWER CARTING TO THE electronics recycling area at maintenance.		PG	BLDG	20150930	1420	
POLCON 989000 FACILITY-POLLUTION CONT.	25	4	15.55013		BLDG-TOILETS IN BLDG FOR CONTINUOUSLY.		EP	BLDG	20151118	1471	
POLCON 989000 FACILITY-POLLUTION CONT.	25	4	15.55078		BLDG-TO PAINT FLOOR ground floor stairwell. req by c.carter sr. 6-9708		CC	BLDG	20160428	125	
POLCON 989000 FACILITY-POLLUTION CONT.	25	4	16.55079		BLDG-TO STRIP, MAX AND rep hallways, offices and cubicles at pollution control area		CC	BLDG	20160428	124	
POLCON 989000 FACILITY-POLLUTION CONT.	25	4	16.55102		BLDG-LOADING DOCK. DOOR NO EXTENDED BY PAT BOYLE		PG	BLDG	20160617	1408	
HAZE 980001 WAREHOUSE #5	25	4	15.55075		BLDG-PATCH HOLE PATCH LED BY MATT		ME	BLDG	20160426	1458	
Total • BLDG • Work Orders: 24											
COST 24											
Total • DMF • Work Orders: 56											
COST 1											
Total • BLDG • Work Orders: 67											
COST 1											
ASBHR 982200 ASBESTOS FILTRATION F.I.T.	25	30	14.55002		BLDG-ASSIST BEN HITCHER'S repairing road lights at 3011 Druid Park by the phone #		RSJ	BLDG	20110103	120	
CITRHO 989000 MISC.CITY WIDE PROJECTS	25	2	14.55100		2 NEW/REPLACE/REPAIR/REPAIR/REPAIRS ON OVERTRIP.		RSJ	BLDG	20140007	149	
CITRHO 989002 FACILITY-CORPORATE & SIGNS	25	3	16.55004		1 REPAIR/REPLACE-INSTALL EXHIBIT PANELS PER DEBRIS.		JTB	BLDG	20160126	109	
ISPTBH 982000 FACILITY-ISL-PT. BART HAYS	25	4	13.55152		BLDG-PURCHASE AND INSTALL square D tankam breakers to separate and install 2 new cable		CCD	BLDG	20130619	128	
ISPTBH 982102 HEATER, HOT WATER	25	4	13.55154		BLDG-PURCHASE AND INSTALL bar for building heater that was bought via wrong		CCD	BLDG	20130619	129	
PARKTE 982200 PARK TETTERBIE UTILITIES	25	4	14.55121		2 BLDG-BLUG INSTALL PANEL A circuits for computers/coffee maker and other equipment		DTS	BLDG	20140530	122	
PARKTE 982200 PARK TETTERBIE UTILITIES	25	4	14.55150		BLDG-REINSTALL SWP PUMP 1 breaker and needs to be replaced		DTS	BLDG	20140617	1415	
POLCON 989000 FACILITY-POLLUTION CONT.	25	30	15.55035		BLDG-REINSTALL SWP PUMP 1 breaker and needs to be replaced		DTS	BLDG	20140617	1415	
POLCON 989000 FACILITY-POLLUTION CONT.	25	4	14.55005		BLDG - EXTS. 6-3558 & 559 WORKING		PG	BLDG	20160504	140	
POLCON 989000 FACILITY-POLLUTION CONT.	25	4	17.00002		BLDG-STAIRWELL LIGHTS OUT SEE REDUPLEXED PAT BOYLE		PG	BLDG	20160711	1412	
HAZE 980001 WAREHOUSE #5	25	30	15.55129		BLDG-LINE LOAK Jeff Jones from Western just called co.		JTB	BLDG	20150603	122	
HAZE 980001 WAREHOUSE #5	25	4	16.55002		BLDG-RUN NEW CURRENT AND BRACKETS FOR PORTABLE REFRIGERS		CCD	BLDG	20151211	1415	

as of 09/08/16
Status 10 S 23
Rack River, P5 S 3 Misc.

Co. No.	Area	Machine Loc. Number	Machine Description	Sts Pcty Code	40	Plnr Code	40	Short Problem Description	Full Problem Description	Req. Code	40	40	40	40	40	40	40	40	40
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Total * 016 * Mark Orders: COUNT 12																			
80	MISC	METER 990112	FACILITY-PERKINS RD-METE	25	4	16.5910	016	CRG-H2O-CLASH PLUMB. RT. LED BY R. BARTON JR.		016	CRG	20160729	W45						
		METER 990005	FACILITY-CAREXOR DRIVE ST	25	4	16.5910	016	CRG-JET H2O FURFE FUR ST LED BY R. BARTON JR.		016	CRG	20160623	W45						
		POLLER 999000	FACILITY-POLLUTION CONT.	25	2	17.9010	016	CRG-TOILETS IN LADIES RD OPERATE		016	CRG	20160811	W45						
Total * 016 * Mark Orders: COUNT 3																			
Total * 016 * Mark Orders: COUNT 12																			
		POLLER 999000	FACILITY-POLLUTION CONT.	25	30	17.9010	016	HA-THE COOLING SYSTEM IS FUNCTIONING VERY WELL. COULD YOU PLEASE INVESTIGATE WHY THE PB	HA	016	HA	20160728	W19						
		POLLER 999001	REFRIGERATOR	25	30	17.9010	016	HA-CHECKS FOR FANWER OPERA AS NEEDED. LED BY P. DOWLE.		016	HA	20160803	W19						
		MISC 999001	HARDHOUSE AS	25	4	14.5002	016	HA-NO HEAT	SEE S. KESSELSER	016	HA	20160813	W19						
Total * 016 * Mark Orders: COUNT 3																			
		METER 984001	FACILITY-HALKER AVE. STA.	25	4	16.95100	016	INSTRS-RESTOSE PREHEAT EA LED BY R. BARTON JR.		016	INSTRS	20160615	W41						
Total * 016 * Mark Orders: COUNT 1																			
Total * 016 * Mark Orders: COUNT 1																			
		POLLER 999000	FACILITY-POLLUTION CONT.	25	2	17.9010	016	INST-TOILETS IN THE LADIE HEADING UP THROUGH THE FLOOR DRAIN (COULD SIGNAL PROBLEM)		016	INST	20160810	W45						
Total * 016 * Mark Orders: COUNT 1																			
		CITRAD 999022	FACILITY GRAPHICS & SIGNS	25	3	16.9924	016	RETR/BLD-INSTALL EXHAUST AND EXHAUST FANS FOR NIGHTS.		016	RETR	20160126	W40						
		CITRAD 999000	MISC-CITY WIDE PROJECTS	25	30	17.0000	016	RETR- REMOVE EXHAUST STUD I. Assasia 6-5733 for the camera inspection unit		016	RETR	20160726	W49						
Total * 016 * Mark Orders: COUNT 2																			
		POLLER 999000	FACILITY-POLLUTION CONT.	25	2	17.9010	016	RETR-TOILETS IN THE LADIE HEADING UP THROUGH THE FLOOR DRAIN (COULD SIGNAL PROBLEM)		016	RETR	20160810	W45						
Total * 016 * Mark Orders: COUNT 1																			
		CITRAD 999000	MISC-CITY WIDE PROJECTS	25	4	16.9	016	RETR/RETR-7AB AND INSTAL STORM WATER PAINTMAKE LOCATION 1001 WEST BALTO. ST.		016	RETR	20111025	W41						
		CITRAD 999000	MISC-CITY WIDE PROJECTS	25	4	36	016	RETR-INVESTIGATE FLOOD RD AT LOCH BAYEN DAM		016	RETR	20120615	W41						
Total * 016 * Mark Orders: COUNT 2																			
		CITRAD 999000	MISC-CITY WIDE PROJECTS	25	2	14.95100	016	RETR/RETR/CRG/SIG/STORM METERS ON OPERATE.		016	STORM	20140007	W49						
Total * 016 * Mark Orders: COUNT 1																			



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APPENDIX 5

SUMMARY OF REPORTED OVERFLOWS



SSO No. 67

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
6/21/2016	Flow Meter in Place	1.85
7/30/2016	Flow Meter in Place	3.78
7/31/2016	Flow Meter in Place	0.01
8/17/2016	Flow Meter in Place	0.79

SSO No. 72

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
7/30/2016	Flow Meter in Place	3.78
7/31/2016	Flow Meter in Place	0.01
8/17/2016	Flow Meter in Place	0.79
8/18/2016	Flow Meter in Place	0.01

SSO No. 135

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
7/30/2016	Flow Meter in Place	0.01



SSO No. 137

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

SSO No. 138

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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7/30/2016	Flow Meter in Place	3.58
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SSO No. 139

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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7/30/2016	Flow Meter in Place	3.58
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SSO No. 153

<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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7/30/2016	Flow Meter in Place	3.58
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SSO No. 154

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

Pumping Station Overflows

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

Wastewater Treatment Plant Overflows

<u>WWTP</u>	<u>Date</u>	<u>Volume Loss (gal)</u>	<u>Rainfall (in)</u>
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Patapsco		None Reported this Quarter	
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Back River		None Reported this Quarter	
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City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending September 30, 2016

Month	Estimated Volume (Gal)	Cause	Rain (In)	Receiving Waters	Location	Zip
7/1/2016	Evidence of Overflow	Rags, Roots, Other	0.15	N/A	1639 Northwick Rd	21218
7/1/2016	8,845	Pipe Break	0.15	Gwynns Falls	1700 Ruxton Ave	21216
7/1/2016	Evidence of Overflow	Rags, Roots	0.15	N/A	3007 Ridgewood Ave	21215
7/3/2016	Evidence of Overflow	Rags, Grease, Trash, Sand, Gravel, Rocks	0	N/A	1503 W Mulberry St	21223
7/4/2016	480	Rags, Grease	0.49	Inner Harbor	N. Pine St & W. Saratoga St	21201
7/5/2016	Evidence of Overflow	Rags, Grease	0.63	N/A	4940 Eastern Eve	21224
7/6/2016	Evidence of Overflow	Rags, Pipe Break	0	N/A	3404 Woodbine Ave	21207
7/6/2016	1,614	Rags, Grease	0	Inner Harbor	6367 Boston St	21224
7/7/2016	214	Rags, Roots, Trash, Sand, Gravel, Rocks	0	N/A	1112 Bryn Mawr Rd	21210
7/7/2016	272	Rags, Roots, Trash, Sand, Gravel, Rocks	0	N/A	401 Overhill Rd	21210
7/11/2016	Evidence of Overflow	Pipe Break	0	N/A	1729 Chilton St	21218
7/12/2016	Evidence of Overflow	Rags, Roots	0	N/A	1106 N Gilmor St	21217
7/13/2016	61	Rags, Roots	0.4	N/A	4100 Keswick Rd	21210
7/13/2016	Evidence of Overflow	Roots	0.4	N/A	118 Taplow Rd	21212
7/14/2016	Evidence of Overflow	Sand, Gravel, Rocks, Pipe Break	0	N/A	1109 N Carey St	21217
7/18/2016	86	Rags, Roots, Trash, Sand, Gravel, Rocks	0.01	Chinquapin Run	6301 Leith Walk	21239
7/18/2016	Evidence of Overflow	Rags, Roots	0.01	N/A	3500 Bancroft Rd	21215
7/20/2016	96	Rags, Trash, Sand, Gravel, Rocks	0	Jones Falls	428 E Preston St	21202
7/20/2016	16	Other	0	Inner Harbor	617 Ploy St	21201
7/21/2016	Evidence of Overflow	Rags, Roots	0	N/A	3920 Norfolk Ave	21216
7/23/2016	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.04	N/A	3100 Ferndale Ave	21207
7/25/2016	Evidence of Overflow	Rags	0.12	N/A	1322 W Pratt St	21223
7/26/2016	Evidence of Overflow	Rags, Roots	0	N/A	3012 W Lanvale St	21216
7/26/2016	Evidence of Overflow	Grease, Trash, Sand, Gravel, Rocks	0	N/A	1709 Latrobe St	21202
7/26/2016	Evidence of Overflow	Rags, Roots, Trash, Sand, Gravel, Rocks	0	N/A	1715 Lancaster St	21231
7/27/2016	201	Roots	0	Herring Run	1924 E 30th St	21218
7/28/2016	77	Rags, Trash, Sand, Gravel, Rocks	0.91	Inner Harbor	2103 Cliftwood Ave	21213
7/28/2016	247	Pipe Break	0.91	Jones Falls	3213 Bancroft Rd	21215
7/28/2016	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.91	Herring Run	4812 Frankford Ave	21206
7/28/2016	820	Rain	0.91	Jones Falls	SSO #152 - N Charles St and W Lanvale St	21201
7/29/2016	119	Roots, Grease	0.72	N/A	4800 Tamarind Ave	21209
7/29/2016	Evidence of Overflow	Rags	0.72	N/A	5657 The Alameda	21239
7/29/2016	Evidence of Overflow	Rain, Other	0.72	N/A	W Saratoga St and N Martin Luther King Jr Blvd	21201
7/30/2016	30	Rags, Rain	2.4	N/A	2905 Rosalind Ave	21215
7/30/2016	355	Rain	2.4	Jones Falls	SSO #67 - 1901 Falls Rd	21217
7/30/2016	335	Rain	2.4	Jones Falls	SSO #72 - 428 E Preston St	21202
7/30/2016	55	Rain	2.4	Jones Falls	SSO #138 - W Cold Spring Ln and Ayrdale Ave	21215
7/30/2016	115	Rain	2.4	Jones Falls	SSO #139 - W Garrison Ave and Queensberry Rd	21215
7/30/2016	150	Rain	2.4	Jones Falls	SSO #152 - N Charles St and W Lanvale St	21201
7/30/2016	35	Rain	2.4	Jones Falls	SSO #154 - N Charles St and Lafayette Ave	21201
7/30/2016	20	Rain	2.4	Gwynns Falls	SSO #135 - 3104 Liberty Heights Ave	21215
8/1/2016	Evidence of Overflow	Rags, Rain, Trash, Sand, Gravel, Rocks	0.17	Jones Falls	1901 Falls Rd	21211



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending September 30, 2016

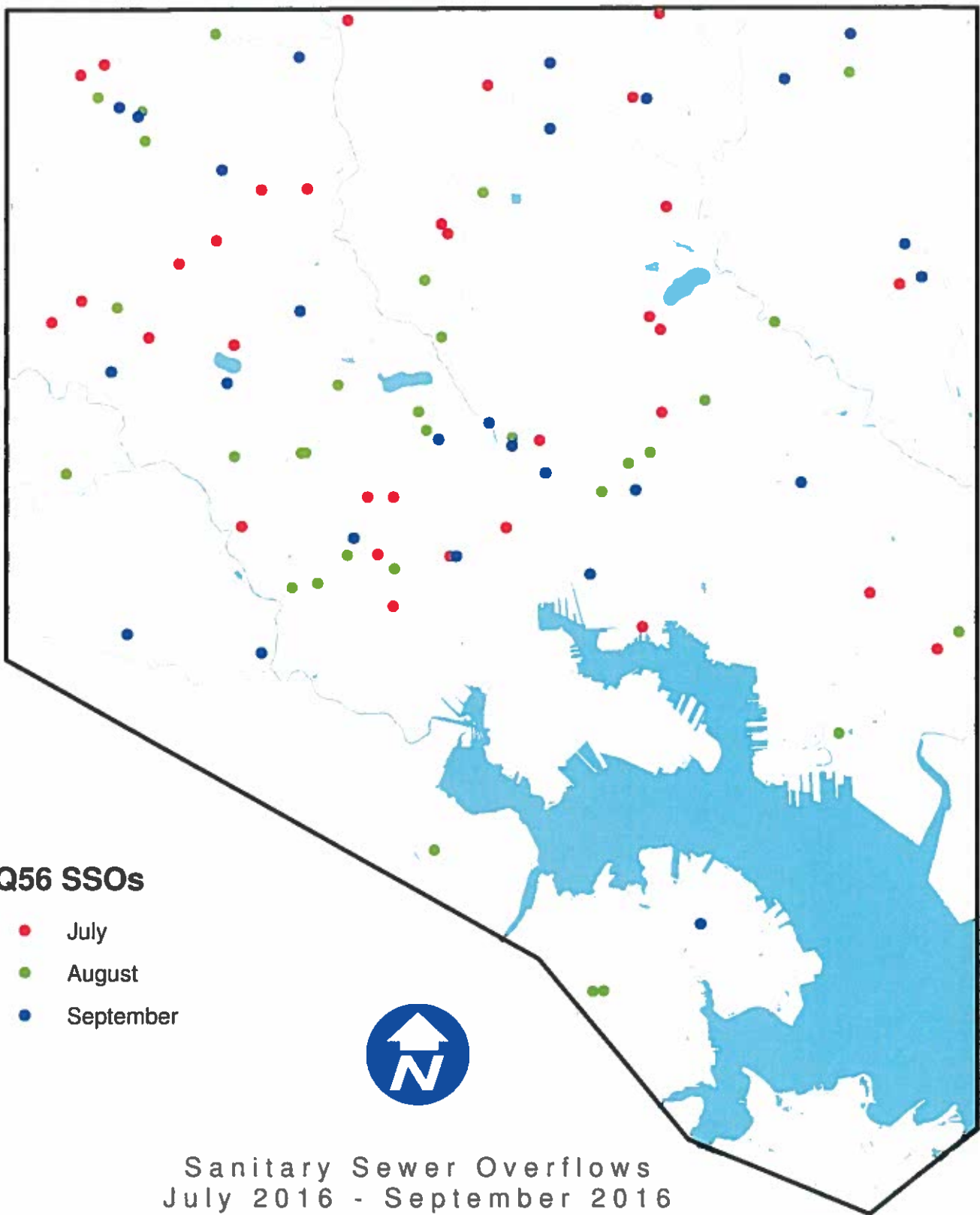
Month	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
8/2/2016	117	Rags	0	N/A	38 N Bentalou St	21223
8/2/2016	Evidence of Overflow	Rags, Roots, Trash, Sand, Gravel, Rocks	0	N/A	2248 Brookfield Ave	21217
8/2/2016	Evidence of Overflow	Rain, VI	0	N/A	4000 Belair Rd	21213
8/2/2016	Evidence of Overflow	Rain, VI, Trash, Sand, Gravel, Rocks	0	N/A	6205 Green Meadow Way	21209
8/2/2016	180	Rain	0	Middle Branch	N Pine St and W Saratoga St	21201
8/3/2016	781	Rags, Trash, Sand, Gravel, Rocks	0	Inner Harbor	1326 N Broadway	21213
8/3/2016	77	Rags, Grease	0	N/A	Manhattan Ave and Park Heights Ave	21215
8/3/2016	8,765	Pipe Break	0	Gwynns Falls	1700 Ruxton Ave	21216
8/8/2016	518	Rags, Grease	0	N/A	1222 Shellbanks Rd	21225
8/8/2016	84	Roots, Grease	0	N/A	1661 Gwynns Falls Pkwy	21217
8/8/2016	Evidence of Overflow	Rags, Grease	0	N/A	1911 W Mulberry St	21223
8/9/2016	99	Rags, Grease, Trash, Sand, Gravel, Rocks	0	N/A	1700 Moreland Ave	21216
8/10/2016	Evidence of Overflow	Roots, Trash, Sand, Gravel, Rocks	0	N/A	1900 Eagle Dr	21207
8/14/2016	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.24	N/A	6301 Park Heights Ave	21215
8/15/2016	125	Rags, Roots, Grease	0.94	N/A	3000 Chestnut Ave	21211
8/15/2016	30	Rain	0.94	Jones Falls	SSO #152-N Charles St and W Lanvale St	21201
8/16/2016	88	Other	0.04	Patapsco River	2207 S Newkirk St	21224
8/17/2016	Evidence of Overflow	Rags, Roots	1.48	N/A	1013 W 37th St	21211
8/17/2016	120	Rain	1.48	Jones Falls	SSO #67-1901 Falls Rd	21217
8/17/2016	185	Rain	1.48	Jones Falls	SSO #72-428 E Preston St	21202
8/17/2016	95	Rain	1.48	Jones Falls	SSO #152-N Charles St and W Lanvale St	21202
8/17/2016	30	Rain	1.48	Jones Falls	SSO #154-N Charles St and W Lafayette Ave	21201
8/17/2016	318	Pipe Break	1.48	Inner Harbor	W Saratoga St and Martin Luther King Blvd	21201
8/18/2016	Evidence of Overflow	Grease, Trash, Sand, Gravel, Rocks	0.04	Northwest Harbor	1102 Bethlehem Ave	21224
8/18/2016	8,399	Pipe Break	0.04	Inner Harbor	1500 N Chapel St	21213
8/20/2016	Evidence of Overflow	Roots	0	N/A	4302 Maine Ave	21207
8/21/2016	76	Rags, Grease, Trash, Sand, Gravel, Rocks	0.61	Curtis Bay	838 Hemdon Ct	21225
8/21/2016	25	Rain	0.61	Jones Falls	SSO #152-N Charles St and W Lanvale St	21201
8/21/2016	31	Rain, Pipe Break	0.61	Inner Harbor	W Saratoga St and N Pine St	21201
8/22/2016	112	Rags, Grease, Pipe Break	0	Jones Falls	2011 Linden Ave	21217
8/22/2016	Evidence of Overflow	Rags, Roots	0	N/A	2924 Fleetwood Ave	21214
8/23/2016	Evidence of Overflow	Rags, Roots	0	N/A	1007 N Central Ave	21205
8/24/2016	Evidence of Overflow	Rags	0	N/A	1324 W Lexington St	21223
8/24/2016	Evidence of Overflow	Rags	0	N/A	1704 Bloomingdale Rd	21216
8/25/2016	Evidence of Overflow	Rags, Roots	0	N/A	2561 W Fairmount Ave	21223
8/26/2016	51	Trash, Sand, Gravel, Rocks	0	Inner Harbor	1999 Belair Rd	21213
8/28/2016	163	Rags, Grease	0	Patapsco River	919 Dantry Ct	21225
8/29/2016	Evidence of Overflow	Rags, Grease, Trash, Sand, Gravel, Rocks	0	N/A	4501 N Charles St	21212
8/30/2016	86	Trash, Sand, Gravel, Rocks	0	Western Run	3404 Glen Ave	21215
9/1/2016	585	Rain, Pipe Break	1.28	Inner Harbor	N Pine St and W Saratoga St	21201
9/1/2016	50	Rain	1.28	Jones Falls	SSO #67-1901 Falls Rd	21217
9/1/2016	25	Rain	1.28	Jones Falls	SSO #139-W Garrison Ave and Queensberry Rd	21215
9/1/2016	135	Rain	1.28	Jones Falls	SSO #152-N Charles St and W Lanvale St	21202
9/2/2016	72	Rags, Grease, Trash, Sand, Gravel, Rocks	0	Inner Harbor	27 Horseradish Ln	21202
9/2/2016	ongoing	Rags, Trash, Sand, Gravel, Rocks, Pipe Break	0	Western Run	Glen Ave and Clover Rd	21215
9/3/2016	80	Other	0	Inner Harbor	4403 Frederick Ave	21229
9/4/2016	Evidence of Overflow	Rags, Roots	0	N/A	1901 Sulgrave Rd	21209



City of Baltimore
Un-Permitted Sanitary Sewer Overflows
For Calendar Quarter Ending September 30, 2016

Month	Estimated Volume (Gal)	Cause	Rain (In)	Receiving Waters	Location	Zip
9/7/2016	61	Rags, Grease, Trash, Sand, Gravel, Rocks	0	N/A	1600 Carbon Ave	21226
9/7/2016	Evidence of Overflow	Rags, Grease, Trash, Sand, Gravel, Rocks	0	N/A	5604 Cedella Ave	21206
9/9/2016	Evidence of Overflow	Pipe Break	0	N/A	1004 McDonogh St	21205
9/10/2016	Evidence of Overflow	Unknown	0.4	N/A	2518 Druid Park Dr	21215
9/10/2016	65	Rain	0.4	Jones Falls	SSO #67-1901 Falls Rd	21211
9/12/2016	Evidence of Overflow	Rags, Roots	0	N/A	259 Robert St	21217
9/12/2016	127	Roots, Trash, Sand, Gravel, Rocks	0	N/A	5636 Woodmont Ave	21239
9/13/2016	Evidence of Overflow	Rags, Pipe Break	0	N/A	1802 Edmondson Ave	21223
9/14/2016	Evidence of Overflow	Rags, Grease	0	N/A	3100 Artaban Pl	21216
9/18/2016	Evidence of Overflow	Rags, Roots	0	N/A	6012 Wallis Ave	21215
9/21/2016	Evidence of Overflow	Rags, Roots	0	N/A	517 Sheridan Ave	21212
9/21/2016	Evidence of Overflow	Rags, Roots	0	N/A	2800 Inglewood Ave	21234
9/21/2016	Evidence of Overflow	Rags, Grease, Trash, Sand, Gravel, Rocks	0	N/A	6226 Laurelton Ave	21214
9/22/2016	343	Rags, Grease	0	Gwynns Falls	424 Font Hill Ave	21223
9/26/2016	63	Trash, Sand, Gravel, Rocks	0	Jones Falls	428 E Preston St	21202
9/26/2016	ongoing	Pipe Break	0	Gwynns Falls	4506 Wakefield Rd	21216
9/27/2016	Evidence of Overflow	Rags, Roots	0.16	N/A	5519 Adleigh Ave	21206
9/28/2016	Evidence of Overflow	Grease, Trash, Sand, Gravel, Rocks	0.5	N/A	529 E Belvedere Ave	21212
9/29/2016	110	Rain	1.47	Jones Falls	SSO #67-1901 Falls Rd	21211
9/29/2016	220	Rain	1.47	Jones Falls	SSO #72-428 E Preston St	21202
9/29/2016	85	Rain	1.47	Jones Falls	SSO #152-N Charles St and W Lanvale St	21202
9/30/2016	Evidence of Overflow	Rags, Roots	0.4	N/A	1007 N Iris Ave	21205





Q56 SSOs

- July
- August
- September



Sanitary Sewer Overflows
July 2016 - September 2016



Updated: October 2016