



Quarterly Report

**January 1, 2020
Through
March 31, 2020**

PURSUANT TO PARAGRAPH 19, OF THE CONSENT DECREE BETWEEN BALTIMORE COUNTY AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, DEPARTMENT OF JUSTICE AND THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

Table of Contents

i. Non-Pump Station and Pump Station SSO Structure Discharges	3
ii. Construction Project Status.....	3
iii. Collection System Inspection	3
iv. SRRR Plan Implementation/Progress	3
v. FOG Program	4
vi. SEP Status	4
vii. Compliance Issues.....	4
Attachment A - Discharges from Overflow Structures	7
Pump Station Overflow Structures	8
Non-Pump Station Overflow Structures – Metered.....	8
Attachment A1: Summary of Non-Pumping Station Overflow Structure Monitoring	11
Attachment B - Construction Projects Status	12
Non-Pump Station SSO Structures	13
Pump Station Rehabilitation, Repair and Replacement.....	14
Attachment C - Collection System Inspection Status	15
Attachment D - CCTV in Response to an SSO	17
Attachment E - Status of SRRR Plan Implementation.....	19



Pursuant to Paragraph 19 of the Consent Decree between Baltimore County (County) and The United States Environmental Protection Agency (EPA), the Department of Justice (DOJ), and the Maryland Department of the Environment (MDE), this document constitutes the required Quarterly Report for the period **January 1, 2020** through **March 31, 2020**.

The quarterly report discusses activities and progress of Baltimore County towards compliance with the requirements set forth in the Consent Decree including:

- i. Non-Pump Station and Pump Station SSO Structure discharges
- ii. Construction Project Status
- iii. Collection system inspection progress
- iv. SRRR plan implementation progress
- v. FOG program modification and development progress
- vi. Supplemental Environmental Projects status, and
- vii. Compliance with certification of completion and other issues of the Consent Decree

i. Non-Pump Station and Pump Station SSO Structure Discharges

Discharges from Sanitary Sewer Overflow Structures took place at the locations and dates during the reporting period as detailed in **Attachment A**.

A summary of flow metering information for Non-Pump Station SSO Structures is included as **Attachment A1**.

ii. Construction Project Status

Attachment B presents the status of Paragraph 7 – Non-Pump Station SSO Structure Elimination projects and Paragraph 13.F - Pump Station Rehabilitation Repair and Replacement projects that are in design and construction during the reporting quarter.

iii. Collection System Inspection

Continued implementation of the inspection of the collection system, pursuant to Paragraph 15 of the Consent Decree.

Paragraph 15.B.i.b inspection status is summarized in **Attachment C**. Baltimore County anticipates completing inspection of the gravity sewer lines identified in Paragraph 15.B.i.b by September 20, 2020.

Continued compliance with all gravity line CCTV inspections within the required 10 working days of the occurrence of an overflow for each SSO that occurred during this reporting period. **Attachment D** details the County's inspection response to each of the overflow that occurred during the reporting period.

iv. SRRR Plan Implementation/Progress

The SRRR Plans contain numerous projects in a variety of locations and stages of planning, design and construction. **Attachment E** includes a list of each sewershed and a summary status of Plan implementation. The implementation of the recommended improvement projects is proceeding; however, acquisition of required rights-of-way and regulatory permits



may require a significant period of time thereby resulting in possible delay to complete the construction work.

The County's recommendations in some of the SRRR Plans for meter basins that exhibited excessive I/I and design-storm simulated model-predicted SSOs included the comprehensive rehabilitation of all pipe segments and manholes, increased hydraulic capacity and/or testing and repair of sewer house connections and laterals. Some of the recommended repairs were revised based on design preparation and review of improvement projects. Additionally, some miscellaneous sewer/manhole/lateral repairs that were included in the SRRR Plans may be revised based on a review of the original and updated inspection data.

v. FOG Program

The County has completed implementation of the FOG Program Modification Plan.

vi. SEP Status

Completed.

vii. Compliance Issues

In accordance with Paragraph 19, Item B.vii, the following is a summary of Consent Decree compliance issues.

- a. Consent Decree projects or requirements certified as complete during the reporting period:

Beachwood Road Pump Station Rehabilitation

Rehabilitation of the Beachwood Road Pump Station certified complete on February 5, 2020

Rosebank Pump Station Rehabilitation

Rehabilitation of the Rosebank Pump Station certified complete on March 13, 2020.

- b. Consent Decree requirements due to be completed during the reporting period, but not completed:

Oliver Beach Pump Station Rehabilitation

On March 10, 2020, the County submitted a 60-day Time Extension Request for completing improvements to the Oliver Beach Pump Station due to re-bidding the construction contract.

Blenhurst Pump Station Rehabilitation

On January 27, 2020, the County submitted a 90-day Time Extension request for completing the improvements to the Blenhurst Pump Station due to relocating an underground electric service.



Lodge Forest Manor Pump Station Rehabilitation

On January 30, 2020 the County submitted a 5-year Time Extension request for completing improvements to the Lodge Forest Manor Pump Station. The time extension request assumed approximately 3 years to complete property acquisition negotiations with the Maryland Department of Natural Resources and 2 years to complete construction work.

Stansbury Manor Pump Station Rehabilitation

On January 30, 2020 the County submitted a 5-year Time Extension request for completing improvements to the Stansbury Manor Pump Station. The time extension request assumes approximately 3 years to complete property acquisition negotiations with the Maryland Aviation Administration and 2 years to complete construction work.

Harewood Park Pump Station Rehabilitation

On February 19, 2020 the County submitted a 90-day Time Extension Request for completing improvements to the Harewood Park Pump Station due to poor contractor performance.

- c. Problems that may prevent the County from meeting future Consent Decree compliance deadlines:

COVID-19 Pandemic

The COVID-19 Coronavirus pandemic has affected all local, state and federal activities. As a result of the pandemic, Baltimore County has indefinitely suspended advertising construction contracts and receiving contract bids. County employees and engineering consultants continue to remotely work on active projects and construction contractors continue their work to complete previously awarded sewer improvement contracts; however, the pandemic may delay response from private property owners regarding right-of-way and/or right-of-entry negotiations. Additionally, the pandemic may result in unforeseen supply chain constrictions for active construction contracts.

Duck Creek SRRR Plan

On February 5, 2020 the County submitted a Potential Delay Notification for the Duck Creek Sewer Rehabilitation Project due to an expanding the design and construction project scope of work.

Elimination of Non-Pump Station SSO Structures 22, 23A, 23B, 24

On September 3, 2019, the County issued the notice to proceed for the Phase I construction project. The County will submit a second SSO elimination time extension when a date has been identified. Right-of-way and environmental permits are required for Phase II construction.

Elimination of Non-Pump Station SSO Structures 41 and 129

On October 3, 2019 the County awarded the construction project. The County will submit a second SSO elimination time extension when a date has been identified.



Elimination of Non-Pump Station SSO Structures 113, 116, 117 and 118

The County continues to meet and coordinate with Baltimore City to complete the needed hydraulic improvements to the downstream collection system, which is maintained by the City.

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 is, to the best of my knowledge and belief, true, accurate, and complete.

Thomas Kiefer, PE
Chief, Bureau of Engineering and Construction

Control Document No. 292



Attachment A - Discharges from Overflow Structures



Pump Station Overflow Structures

None.



Non-Pump Station Overflow Structures – Metered

Name	Alter Road
SSO ID	22
Address	Alter Street & Southern Cross Drive
Date of Discharge	1/25/2020
Duration of Overflow	1 Hrs. 44 Min.
Date of Relevant Weather Conditions	1/25/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	2,247
Receiving Waters	Maidens Choice Creek
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	On 9/3/2019, the County issued the notice to proceed for the Phase I construction project. The County will submit a second SSO elimination time extension when a date has been identified. Right-of-way and environmental permits are required for Phase II construction.

Name	Southern Cross Drive
SSO ID	23A
Address	Southern Cross Drive & Parsons Avenue
Date of Discharge	1/25/2020
Duration of Overflow	3 Hrs. 27 Min.
Date of Relevant Weather Conditions	1/25/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	22,427
Receiving Waters	Gwynns Falls
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	On 9/3/2019, the County issued the notice to proceed for the Phase I construction project. The County will submit a second SSO elimination time extension when a date has been identified. Right-of-way and environmental permits are required for Phase II construction.

Name	Southern Cross
SSO ID	23B
Address	3909 Southern Cross Drive
Date of Discharge	1/25/2020
Duration of Overflow	3 Hrs. 3 Min.
Date of Relevant Weather Conditions	1/25/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	23,637
Receiving Waters	Gwynns Falls
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	On 9/3/2019, the County issued the notice to proceed for the Phase I construction project. The County will submit a second SSO elimination time extension when a date has been identified. Right-of-way and environmental permits are required for Phase II construction.



Name	Patterson Avenue
SSO ID	24
Address	3902 Patterson Avenue
Date of Discharge	1/25/2020
Duration of Overflow	3 Hrs. 52 Min.
Date of Relevant Weather Conditions	1/25/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	115,592
Receiving Waters	Gwynns Falls
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	On 9/3/2019, the County issued the notice to proceed for the Phase I construction project. The County will submit a second SSO elimination time extension when a date has been identified. Right-of-way and environmental permits are required for Phase II construction.

Name	Queen Anne Drive
SSO ID	129
Address	Queen Anne Drive & Hillcrest Avenue
Date of Discharge	1/25/2020
Duration of Overflow	2 Hrs. 10 Min.
Date of Relevant Weather Conditions	1/25/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	16,656
Receiving Waters	Herring Run
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	On 10/3/2019 the County awarded the construction project. The County will submit a second SSO elimination time extension when a date has been identified.

Name	Marnat Road
SSO ID	113
Address	Marnat Road & Hatton Road
Date of Discharge	1/25/2020
Duration of Overflow	4 Hrs. 18 Min.
Date of Relevant Weather Conditions	1/25/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	19,833
Receiving Waters	Jones Falls
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	The County continues to meet and coordinate with Baltimore City to complete the needed hydraulic improvements to the downstream collection system, which is maintained by the City.



Attachment A1: Summary of Non-Pumping Station Overflow Structure Monitoring

Date of Rain Event		1/25/2020
Rain (inches)		1.55 - 1.84
SSO Name	SSO ID	
Alter Road	22	2,247
Southern Cross Drive	23A	22,427
Southern Cross	23B	23,637
Patterson Avenue	24	115,592
Aiken Avenue	41	
Queen Anne Drive	129	16,656
Overbrook Road & Medwick Garth	118	
Marnat Road	113	19,833



Attachment B - Construction Projects Status



Non-Pump Station SSO Structures

Project Name	Date of Construction Notice to Proceed	Sewershed Name	Consent Decree SSO Elimination Deadline	SSO Eliminated	Status
Powder Mill Interceptor Relief Sewer Phase I – SXO 18180 (SSOs 22, 23A, 23B, 24)	9/3/2019	Gwynns Falls	TBD	No	Original CD elimination deadline was 3/22/2017. Extension request, with undefined SSO elimination date submitted on 2/14/2017. Second time extension request with definitive SSO elimination date will be submitted after right-of-way acquisition, environmental permits obtained and construction notice to proceed is issued.
Powder Mill Interceptor Relief Sewer Phase II (SSOs 22, 23A, 23B, 24)	-	Gwynns Falls	TBD	No	Original CD elimination deadline was 3/22/2017. Extension request, with undefined SSO elimination date submitted on 2/14/2017. Second time extension request with definitive SSO elimination date will be submitted after right-of-way acquisition, environmental permits obtained and construction notice to proceed is issued.
East Branch Herring Run Relief Sewer (SSO 41 & 129)	10/3/2020	Herring Run	TBD	No	Original CD elimination deadline was 3/20/2018. Extension request with undefined SSO elimination date submitted on 10/4/2017. Second time extension request with defined SSO elimination date will be submitted after County receives construction baseline schedule.



Pump Station Rehabilitation, Repair and Replacement

Project Name	Consent Decree Deadline	Anticipated Meeting CD Deadline	Comments
Harewood Park	3/20/2020	No	Construction
Lodge Forest Manor	3/20/2020	No	Design. Time Extension Request submitted on 1/30/2020.
Stansbury Manor	3/20/2020	No	Design. Time Extension Request submitted on 1/30/2020.
Blenhurst	3/20/2020	No	Construction. Time Extension Request submitted on 1/27/2020.
Rosebank	3/20/2020	Yes	Substantially Complete on 3/13/2020.
Beachwood Road	3/20/2020	Yes	Substantially Complete on 2/6/2020.
Oliver Beach	3/20/2020	Yes	Construction
Hyde Park	6/1/2021	Yes	Design
Bauernschmidt Manor	6/1/2021	Yes	Construction
Turkey Point	6/30/2022	Yes	Design
Millers Island	6/30/2022	Yes	Design
Corsica	6/30/2023	Yes	Design
Fort Howard	6/30/2023	Yes	Design
Pennwood Terrace	6/30/2023	Yes	Design



Attachment C - Collection System Inspection Status



Paragraph 15.B.i (b)
 Completion scheduled for September 20, 2020
 Currently On-Schedule

Miles Remaining Beginning of Quarter	Miles Inspected and/or Attempted this Quarter	Miles Attempted but not Completed to Date	Miles Remaining
2.3	0.8	2.0	3.5
Appurtenances to be Inspected Beginning of Quarter	Appurtenances Inspected and/or Attempted this Quarter	Appurtenances Attempted but not Completed to Date	Appurtenances Remaining
19	46	0	4

Note: All values are based on the current version of the County's GIS



Attachment D - CCTV in Response to an SSO



Date of SSO	Location	CCTV Inspection Date	Exemption
1/8/2020	1907 Harrison Road	1/8/2020	
1/23/2020	3015 Delaware Avenue	1/28/2020	
1/25/2020	Alter Street and Southern Cross Drive		D
1/25/2020	Southern Cross Drive & Parsons Avenue		D
1/25/2020	3909 Southern Cross Drive		D
1/25/2020	3902 Patterson Avenue		D
1/25/2020	Queen Anne Drive & Hillcrest Avenue		D
1/25/2020	Marnat Road & Hatton Road		D
2/3/2020	3320 Eastern Blvd.		A
2/4/2020	9405 Perry Hall Blvd.	2/18/2020	
2/24/2020	8900 Citation Road		A
3/13/2020	1009 Old Eastern Avenue		A
3/27/2020	2416 Lampost Lane		B

Allowable Exemptions:

- A. The cause of the SSO was a blockage in a County-owned lateral adjacent to the gravity line segment and the County cleans the County-owned lateral
- B. The cause of the SSO was a blockage in the gravity line segment and visible directly from the manhole
- C. The County has previously CCTV inspected the line segment(s) due to an earlier blockage and the County is in the process of developing or implementing corrective action
- D. The location is an identified overflow structure and is being monitored pursuant to Paragraph 7.C and the County is involved in a process designed to eliminate the overflow structure



Attachment E - Status of SRRR Plan Implementation



Sewershed	Consent Decree Deadline	On Schedule to Complete SRRR Plan Implementation
Bengies	9/29/2020	Yes. On 3/15/2019 the County submitted a Potential Delay Notification for sewer structural repair and rehabilitation projects.
Bird River	9/29/2020	Yes. On 3/15/2019 the County submitted a Potential Delay Notification for sewer structural repair and rehabilitation projects.
Bread & Cheese	9/29/2020	On 7/10/2019 the County submitted a Potential Delay Notification for sewer structural repair and rehabilitation projects.
Cockeysville	9/29/2020	Yes. On 3/15/2019 the County submitted a Potential Delay Notification for a sewer structural repair and rehabilitation projects.
Dead Run	9/6/2017	Completed
Delmar	4/18/2022	Yes. On 11/22/2019 the County submitted a Potential Delay Notification for a relief sewer project.
Duck Creek	4/18/2022	Yes. On 2/5/2020 the County submitted a Potential Delay Notification for a sewer rehabilitation project.
Dundalk	4/18/2022	Yes. On 11/22/2019 the County submitted a Potential Delay Notification for a sewer structural repair and rehabilitation project.
East Point	4/18/2022	Yes. On 11/22/2019 the County submitted a Potential Delay Notification for a force main replacement project.
Essex	4/18/2022	Yes. On 12/10/2019 the County submitted a Potential Delay Notification for a force main replacement project.
Gray Manor	4/18/2022	Yes. On 6/19/2019 the County submitted a Potential Delay Notification for a relief sewer project.
Gunpowder	4/18/2026	Yes
Gwynns Falls	9/6/2018	Completed; On 04/08/2016 and 01/23/2018, the County submitted Potential Delay Notifications for a relief sewer and a structural rehabilitation project.
Herring Run	9/6/2018	Completed; On 11/03/2015, 08/15/2017 and 03/08/2018, the County submitted Potential Delay Notifications for two relief sewers and a structural rehabilitation project.
Jones Falls	9/6/2019	Completed.
Long Quarter	4/18/2024	Yes. On 11/26/2019 the County submitted a Potential Delay Notification for a force main replacement project.
Orems	9/29/2020	Yes. On 11/16/2018 the County submitted a Potential Delay Notification for a force main replacement project. On 11/22/2019 the County submitted a Potential Delay Notification for a relief sewer project.
Patapsco	9/6/2021	Yes. On 10/28/2018 and 4/22/2019 the County submitted a Potential Delay Notifications for sewer structural repair and rehabilitation projects.
Redhouse Run	4/18/2024	Yes
Stemmers Run	9/6/2024	Yes
Texas	4/18/2022	On 7/10/2019 the County submitted a Potential Delay Notification for sewer structural repair and rehabilitation projects.
Tributary 26	2/11/2020	Completed
Tributary 27	9/6/2017	Completed



Sewershed	Consent Decree Deadline	On Schedule to Complete SRRR Plan Implementation
Tributary 43	2/11/2020	Completed
Tributary 48	9/6/2017	Completed
Tributary 78	2/11/2020	Completed
West Low Level	9/6/2017	Completed
Whitemarsh	4/18/2024	Yes

