



Quarterly Report

**April 1, 2020
Through
June 30, 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

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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 **April 1, 2020** through **June 30, 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. Approximately 1.9 miles of inspected gravity sewer lines require follow up investigative and/or assessment work.

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:

On May 28, 2020, the County certified substantial completion for the Oliver Beach Pump Station rehabilitation project. Substantial completion, as defined in Paragraph IV, Item CC of the Consent Decree means, the date, as certified by the Engineer in charge of a construction project, when the construction project or specified part thereof is sufficiently completed, in accordance with the contract documents, such that the project or specified part thereof can be used to accomplish the purposes for which it was intended. The original Consent Decree deadline for completing the Oliver Beach Pump Station rehabilitation project was May 19, 2020; however, the contractor's failed pump test on May 6, 2020 delayed testing and project completion certification until May 28, 2020.

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

Herring Run SRRR

On May 4, 2020, the County submitted a Potential Delay Notification for the Performance Assessment Report for the Herring Run SRRR Plan due to the COVID pandemic.

On June 10, 2020, the County submitted a 120-day Time Extension Request for the Performance Assessment Report for the Herring Run SRRR Plan due to the consultant engineering's staff issues and COVID related inefficiencies. The requested deadline is October 6, 2020.



Gwynns Falls SRRR

On May 4, 2020, the County submitted a Potential Delay Notification for the Performance Assessment Report for the Gwynns Falls SRRR Plan due to impacts from the COVID pandemic.

On June 10, 2020, the County submitted a 120-day Time Extension Request for the Performance Assessment Report for the Gwynns Falls SRRR Plan due to the engineering consultant's staff issues and COVID related inefficiencies. The requested deadline was October 6, 2020.

Oliver Beach Pump Station Rehabilitation

The substantial completion date for the Oliver Beach Pump Station rehabilitation project was May 28, 2020. The County previously submitted a 60-day Time Extension Request on March 10, 2020 for completing improvements. A pump test was performed on April 30, 2020; however, the pump performance report submitted by the contractor was reviewed and was returned to the contractor indicating non-compliance on May 6, 2020. The pumps were fitted with larger impellers and a second pump test was conducted on May 19, 2020, which showed compliance with the Contract specifications. SCADA communications testing was then able to commence on May 20, 2020 and was completed on May 27, 2020. The County accepted Beneficial Occupancy of the station on May 28, 2020.

Blenhurst Pump Station Rehabilitation

On June 15, 2020, the County submitted a 90-day Time Extension Request for completing the improvements to the Blenhurst Pump Station due to poor contractor performance. The requested deadline was September 20, 2020.

Lodge Forest Manor Pump Station Rehabilitation

On May 13, 2020, the County submitted a follow-up letter to the January 30, 2020 Time Extension Request for the Lodge Forest Pump Station Project. The requested deadline was March 20, 2025.

Stansbury Manor Pump Station Rehabilitation

On May 13, 2020, the County submitted a follow-up letter to the January 30, 2020 Time Extension Request for the Stansbury Manor Pump Station Project. The requested deadline was March 20, 2025.

Harewood Park Pump Station Rehabilitation

On June 15, 2020, the County submitted a 60-day Time Extension Request for completing the improvements to the Harewood Park Pump Station due to poor contractor performance. The requested deadline was August 20, 2020.



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

Bread and Cheese SRRR Plan

On May 28, 2020, the County submitted an 18-month Time Extension Request for the Bread and Cheese Sewer Rehabilitation Project due to rights-of-entry negotiations and acquisitions. The requested deadline was March 6, 2022.

On June 24, 2020, in response to EPAs e-mail dated June 1, 2020, the County submitted a follow-up letter to the May 28, 2020 Time Extension Request for the Bread and Cheese Sewer Rehabilitation Project.

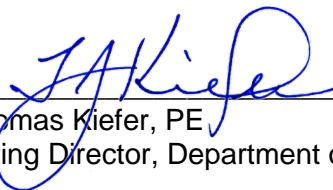
Various Deadlines

On April 30, 2020, the County submitted a Potential Delay Notification due to COVID, which may result in suspending construction contract advertisements, delayed responses from private property owners regarding right-of-way/entry negotiations and unforeseen supply chain constrictions for active construction projects.

Duck Creek SRRR Plan

On May 15, 2020, the County submitted a follow-up letter for the February 5, 2020 Potential Delay Notification for the Duck Creek Sewer Rehabilitation Project due to an expanding design and construction project scope of work.

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
Acting Director, Department of Public Works

Control Document No. 323



Attachment A - Discharges from Overflow Structures



Pump Station Overflow Structures

None.



Non-Pump Station Overflow Structures – Metered

Name	Southern Cross Drive
SSO ID	23A
Address	Southern Cross Drive & Parsons Avenue
Date of Discharge	4/13/2020
Duration of Overflow	1 Hrs. 17 Min.
Date of Relevant Weather Conditions	4/13/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	1,582
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	4/13/2020
Duration of Overflow	1 Hrs. 19 Min.
Date of Relevant Weather Conditions	4/13/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	3,045
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	4/13/2020
Duration of Overflow	1 Hrs. 13 Min.
Date of Relevant Weather Conditions	4/13/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	20,359
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	4/13/2020
Duration of Overflow	5 Hrs. 35 Min.
Date of Relevant Weather Conditions	4/13/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	59,526
Receiving Waters	Herring Run
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	On 4/27/2020 the County submitted a Time Extension Request to eliminate the overflow structure by 8/3/2023.

Name	Aiken Avenue
SSO ID	41
Address	7829 Aiken Avenue & Taylor Avenue
Date of Discharge	4/13/2020
Duration of Overflow	2 Hrs. 2 Min.
Date of Relevant Weather Conditions	4/13/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	25,221
Receiving Waters	Herring Run
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	On 4/27/2020 the County submitted a Time Extension Request to eliminate the overflow structure by 8/3/2023.

Name	Marnat Road
SSO ID	113
Address	Marnat Road & Hatton Road
Date of Discharge	4/13/2020
Duration of Overflow	1 Hrs. 3 Min.
Date of Relevant Weather Conditions	4/13/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	2,270
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.



Name	Patterson Avenue
SSO ID	24
Address	3902 Patterson Avenue
Date of Discharge	4/30/2020
Duration of Overflow	3 Hrs. 31 Min.
Date of Relevant Weather Conditions	4/30/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	36,418
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	6/22/2020
Duration of Overflow	1 Hrs. 4 Min.
Date of Relevant Weather Conditions	6/22/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	2,083
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	Marnat Road
SSO ID	113
Address	Marnat Road & Hatton Road
Date of Discharge	6/22/2020
Duration of Overflow	1 Hrs. 5 Min.
Date of Relevant Weather Conditions	6/22/2020
Description of Relevant Weather Conditions	Rain
Net Gallons Discharged	920
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		4/13/2020	4/30/2020	6/22/2020
Rain (inches)		2.49	2.49-2.99	1.18-1.53
SSO Name	SSO ID			
Alter Road	22			
Southern Cross Drive	23A	1,582		
Southern Cross	23B	3,045		
Patterson Avenue	24	20,359	36,418	2,083
Aiken Avenue	41	25,211		
Queen Anne Drive	129	59,526		
Overbrook Road & Medwick Garth	118			
Marnat Road	113	2,270		920



Attachment B - Construction Projects Status



Non-Pump Station SSO Structures

Project Name	Date of Construction Notice to Proceed	Sewershed Name	Original Consent Decree Elimination Date	Consent Decree SSO Elimination Date	SSO Eliminated	Status
Powder Mill Interceptor Relief Sewer Phase I – 18180 SXO (SSOs 22, 23A, 23B, 24)	9/3/2019	Gwynns Falls	3/22/2017	TBD	No	A Time Extension Request with an undefined elimination date was submitted on 2/14/2017. A second Time Extension Request with a definitive SSO elimination date will be submitted after right-of-way acquisition, environmental permits obtained and construction notice to proceed is issued for Phase II construction. During the quarterly reporting period, approximately 2,500 linear feet of new relief pipe has been installed.
Powder Mill Interceptor Relief Sewer Phase II (SSOs 22, 23A, 23B, 24)	-	Gwynns Falls	3/22/2017	TBD	No	A Time Extension Request with an undefined SSO elimination date was submitted on 2/14/2017. A 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 for Phase II construction.
East Branch Herring Run Relief Sewer – 14117 SX0 (SSO 41 & 129)	10/3/2020	Herring Run	3/20/2018	8/3/2023 (requested)	No	On 4/27/2020 the County submitted a Time Extension Request to eliminate the overflow structure by 8/3/2023. No pipe has been installed during the quarterly reporting period. The contractor is excavating shafts to tunnel under Perring Parkway.
Elimination of SSOs 116, 117, and 118	-	West Low Level	9/20/2016	TBD	No	On 6/22/2016, the County submitted a Time Extension Request with an undefined SSO elimination date. A second Time Extension Request with a definitive SSO elimination date will be submitted after the City shares with the County their proposed downstream corrective actions and construction schedule. 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.
Elimination of SSO 113	-	Jones Falls	9/20/2016	TBD	No	



Pump Station Rehabilitation, Repair and Replacement

Project Name	Original Consent Decree Deadline	Project Phase	Time Extension Request Submittal Date	Requested Deadline Date	Reason for Delay
Blenhurst	6/20/2020	Construction	6/15/2020	9/20/2020	Contractor performance
Harewood Park	6/20/2020	Construction	6/15/2020	8/20/2020	Contractor performance
Lodge Forest Manor	3/20/2020	Design (RoW)	1/30/2020	3/20/2025	DNR easement acquisition
Oliver Beach	5/19/2020	Completed	Completed on 5/28/2020		Failed pump test on 5/6/2020. Second test accepted on 5/28/2020
Stansbury Manor	3/20/2020	Design (Permit)	1/30/2020	3/20/2025	MAA property acquisition
Baurenschmidt Manor	6/1/2021	Construction			
Hyde Park	6/1/2021	Construction			
Millers Island	6/1/2022	Design (Permit)			
Turkey Point	6/1/2022	Design (Permit)			
Corsica	6/1/2023	Design			
Fort Howard	6/1/2023	Design			
Penwood Terrace	6/1/2023	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 and requiring additional work	Miles Remaining
1.8	1.2	1.9	0.6
Appurtenances to be Inspected Beginning of Quarter	Appurtenances Inspected and/or Attempted this Quarter	Appurtenances Attempted and requiring additional work	Appurtenances Remaining
22	20	0	2

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
4/3/2020	7929 Eastern Avenue	4/3/2020	
4/13/2020	7829 Aiken Avenue		D
4/13/2020	Southern Cross Drive & Parsons Avenue		D
4/13/2020	3909 Southern Cross Drive		D
4/13/2020	3902 Patterson Avenue		D
4/13/2020	Queen Anne Drive & Hillcrest Avenue		D
4/13/2020	Marnat Road & Hatton Road		D
4/15/2020	Platinum Avenue		B
4/27/2020	401 Colindale Street	4/29/2020	
4/30/2020	3902 Patterson Avenue		D
5/1/2020	3710 Patapsco Avenue		B
5/25/2020	7510 Remoor Road	5/27/2020	
6/9/2020	2005 Golupski Road		B
6/9/2020	11 Chandor Court	6/18/2020	
6/12/2020	I-70 ramp to 695	6/17/2020	
6/22/2020	3902 Patterson Avenue		D
6/22/2020	Marnat Road & Hatton Road		D

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	Original Consent Decree Deadline	Date of Potential Delay Notification	Reason for Delay	Comments
Bird River	9/29/2020	3/15/2019	Right of entry acquisition	
Bread & Cheese	9/29/2020	5/28/2020 (Time extension request)	Right of entry acquisition. (Requested date = 3/6/2022)	
Bengies	9/29/2020	3/15/2019	Right of entry acquisition	
Cockeysville	9/29/2020	3/15/2019	Right of entry acquisition	
Orems	9/29/2020	11/22/2019	Right of entry acquisition	
Patapsco	9/6/2021	10/28/2018	Right of entry acquisition	
Delmar	4/18/2022	11/22/2019	Right of entry acquisition	
Duck Creek	4/18/2022	2/5/2020	Expanded project scope	
Dundalk	4/18/2022	11/22/2019	Right of entry acquisition	
East Point	4/18/2022	11/22/2019	Right of entry acquisition	
Essex	4/18/2022	12/10/2019	Right of entry acquisition/permits	
Gray Manor	4/18/2022	6/19/2019	Consultant performance	
Texas	4/18/2022	7/10/2019	Right of entry acquisition	
Longquarter	4/18/2024	11/26/2019	Right of entry acquisition	
Redhouse Run	4/18/2024			
Whitemarsh	4/18/2024			
Stemmers Run	9/6/2024			
Gunpowder	4/18/2026			
Substantially completed SRRR Plan implementations ¹				
Dead Run	9/6/2017			On September 6, 2017, the County certified substantial completion for the implementation of the Dead Run Sewershed SRRR Plan with the exception of 1 asset for which work has now been completed.
Gwynns Falls	9/6/2018			On September 6, 2018, the County certified substantial completion for the implementation of the Gwynns Falls Sewershed SRRR Plan with



Sewershed	Original Consent Decree Deadline	Date of Potential Delay Notification	Reason for Delay	Comments
				<p>the exception of 23 repairs for which a potential delay was submitted to EPA and MDE.</p> <p>On April 8, 2016 and the County submitted a potential delay notification for the Powder Mill Relief Sewer and Lower Powder Mill Sewer Rehabilitation project due to delays associated with environmental permit acquisition and on January 23, 2018 the County submitted a potential delay notification for the Gwynns Falls Structural Sewer Rehabilitation ESA project due to delays associated with acquiring right of entry agreements. To date, 6 repairs remain outstanding and will be completed concurrently with the Powder Mill Interceptor Phase1 project, which is currently in construction. On February 14, 2017, the County submitted a time extension request for the Powder Mill Interceptor Phase 1 project, which is associated with elimination of SSOs 22, 23A, 23B and 24.</p>
Herring Run	9/6/2018			<p>On September 6, 2018, the County certified substantial completion for the implementation of the Herring Run Sewershed SRRR Plan with the exception of 95 repairs for which a potential delay notification was submitted to EPA and MDE.</p> <p>On August 15, 2017 the County submitted a potential delay notification for the Herring Run Structural Rehabilitation Phase 2 project due to delays associated with right of way acquisition and on March 8, 2018 the County submitted a potential delay notification for the Herring Run Basins 17 & 33 project due to delays associated with acquiring right of entry agreements. As discussed at the July 23, 2020 EPA/MDE coordination meeting, the County will submit a time extension request for both projects.</p>
Jones Falls	9/6/2019			<p>On September 6, 2019, the County certified substantial completion for the implementation of the Jones Falls Sewershed SRRR Plan with the exception of 186 assets for which a time extension was either requested or approved by EPA and MDE.</p>



Sewershed	Original Consent Decree Deadline	Date of Potential Delay Notification	Reason for Delay	Comments
				On July 12, 2019 the County submitted time extension requests for two projects that are located in the Jones Falls Sewershed due to delays associated with acquiring right of entry agreements (Jones Falls Large Diameter Sewer Rehabilitation project) and environmental permits (Jones Falls Structural Sewer Rehabilitation Package 2 project). The requested deadline for both projects was November 6, 2019; however, to date, neither EPA nor MDE have approved the time extension request. Both projects were substantially completed on November 4, 2019.
Tributary 26	2/11/2020			Substantially completed
Tributary 27	9/6/2017			Substantially completed
Tributary 43	2/11/2020			Substantially completed
Tributary 48	9/6/2017			Substantially completed
Tributary 78	2/11/2020			Substantially completed
West Low Level	9/6/2017			Substantially completed

¹ Substantial completion, as defined in Paragraph IV, Item CC of the Consent Decree means, the date, as certified by the Engineer in charge of a construction project, when the construction project or specified part thereof is sufficiently completed, in accordance with the contract documents, such that the project or specified part thereof can be used to accomplish the purposes for which it was intended.

