



# **Quarterly Report**

**January 1, 2021  
Through  
March 31, 2021**

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 **January 1, 2021** through **March 31, 2021**.

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
- iv. SRRR plan implementation/progress
- v. FOG program
- vi. Supplemental Environmental Project status, and
- vii. Compliance issues

**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 13F - Pump Station Rehabilitation Repair and Replacement projects that are in design and construction during the reporting quarter.

**iii. Collection System Inspection**

The County has completed all gravity sewer line inspections required under Paragraphs 8 and 15 of the Consent Decree. The County continues 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 C** 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 D** 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. Supplemental Environmental Project 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:**

Old Stemmers Run Pump Station Action Plan

On January 19, 2021, the County submitted to EPA/MDE a letter stating that a post-SSO investigation of the November 30, 2020 SSO discharge that occurred at the Old Stemmers Run Pump Station was caused by a contractor who was working for the County and did not re-install an upstream manhole cover. During a rain event that occurred later in the day, an adjacent rising stream flowed into the open manhole and overwhelmed the pump station capacity. Since the SSO was caused by contractor negligence, no action plan, is required for the Old Stemmers Run Pump Station.

New Stemmers Run Pump Station Action Plan

On January 19, 2021, the County submitted to EPA/MDE a letter stating that a post-SSO investigation of the November 30, 2020 SSO discharge that occurred at the New Stemmers Run Pump Station was caused by a contractor who was working for the County and did not re-install an upstream manhole cover. During a rain event that occurred later in the day, an adjacent rising stream flowed into the open manhole and overwhelmed the pump station capacity. Since the SSO was caused by contractor negligence, no action plan is required for the New Stemmers Run Pump Station.

Orems Road Pump Station Action Plan

On February 19, 2021, the County submitted to EPA/MDE an action plan for the November 30, 2020 SSO that occurred at the Orems Road Pump Station. As stated in the action plan, the County installed a flow monitor upstream of the station to confirm that stream water inflow from an open manhole cover had been eliminated.

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

None.



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

Stansbury Manor Pump Station Rehabilitation

On March 31, 2021, the County submitted a revised time extension request to complete improvements to the Stansbury Manor Pump Station. Based on communication from the Maryland Aviation Administration, the requested revised consent decree deadline is April 20, 2024.

Delmar SRRR Plan

On March 31, 2021 the County submitted a potential delay notification for the Delmar Sewer Rehabilitation project. The potential delay is due to the time required to acquire rights of entry and regulatory permits.

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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.

*Jeffrey Peluso*

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Jeffrey S. Peluso, PE  
Acting Chief, Bureau of Engineering and Construction

Control Document No. 347



## Attachment A - Discharges from Overflow Structures



## Pump Station Overflow Structures

None.



## Non-Pump Station Overflow Structures – Metered

<b>Name</b>	Alter Road
<b>SSO ID</b>	22
<b>Address</b>	Alter Street & Southern Cross Drive
<b>Date of Discharge</b>	3/24/2021
<b>Duration of Overflow</b>	3 Hrs. 26 Mins.
<b>Date of Relevant Weather Conditions</b>	3/24/2021
<b>Description of Relevant Weather Conditions</b>	Rain
<b>Net Gallons Discharged</b>	3,568
<b>Receiving Waters</b>	Maidens Choice Creek
<b>Identified Cause</b>	Insufficient wet-weather hydraulic capacity.
<b>Details of Corrective Action Taken or Planned</b>	On 9/3/2019, the County issued the notice to proceed for the Phase I construction project. Right-of-way and environmental permits are required for Phase II construction. The County will submit a second SSO elimination time extension when a date has been identified.

<b>Name</b>	Southern Cross Drive
<b>SSO ID</b>	23A
<b>Address</b>	Southern Cross Drive & Parsons Avenue
<b>Date of Discharge</b>	3/24/2021
<b>Duration of Overflow</b>	4 Hrs. 05 Mins.
<b>Date of Relevant Weather Conditions</b>	3/24/2021
<b>Description of Relevant Weather Conditions</b>	Rain
<b>Net Gallons Discharged</b>	32,199
<b>Receiving Waters</b>	Gwynns Falls
<b>Identified Cause</b>	Insufficient wet weather hydraulic capacity
<b>Details of Corrective Action Taken or Planned</b>	On 9/3/2019, the County issued the notice to proceed for the Phase I construction project. Right-of-way and environmental permits are required for Phase II construction. The County will submit a second SSO elimination time extension when a date has been identified.

<b>Name</b>	Southern Cross
<b>SSO ID</b>	23B
<b>Address</b>	3909 Southern Cross Drive
<b>Date of Discharge</b>	3/24/2021
<b>Duration of Overflow</b>	4 Hrs. 00 Mins.
<b>Date of Relevant Weather Conditions</b>	3/24/2021
<b>Description of Relevant Weather Conditions</b>	Rain
<b>Net Gallons Discharged</b>	36,144
<b>Receiving Waters</b>	Gwynns Falls
<b>Identified Cause</b>	Insufficient wet weather hydraulic capacity.
<b>Details of Corrective Action Taken or Planned</b>	On 9/3/2019, the County issued the notice to proceed for the Phase I construction project. Right-of-way and environmental permits are required for Phase II construction. The County will submit a second SSO elimination time extension when a date has been identified.





<b>Name</b>	Patterson Avenue
<b>SSO ID</b>	24
<b>Address</b>	3902 Patterson Avenue
<b>Date of Discharge</b>	3/24/2021
<b>Duration of Overflow</b>	4 Hr. 53 Mins.
<b>Date of Relevant Weather Conditions</b>	3/24/2021
<b>Description of Relevant Weather Conditions</b>	Rain
<b>Net Gallons Discharged</b>	93,853
<b>Receiving Waters</b>	Gwynns Falls
<b>Identified Cause</b>	Insufficient wet weather hydraulic capacity
<b>Details of Corrective Action Taken or Planned</b>	On 9/3/2019, the County issued the notice to proceed for the Phase I construction project. Right-of-way and environmental permits are required for Phase II construction. The County will submit a second SSO elimination time extension when a date has been identified.

<b>Name</b>	Queen Anne Drive
<b>SSO ID</b>	129
<b>Address</b>	Queen Anne Dr & Hillcrest Ave
<b>Date of Discharge</b>	3/24/2021
<b>Duration of Overflow</b>	1 Hrs. 40 Mins.
<b>Date of Relevant Weather Conditions</b>	3/24/2021
<b>Description of Relevant Weather Conditions</b>	Rain
<b>Net Gallons Discharged</b>	16,505
<b>Receiving Waters</b>	Herring Run
<b>Identified Cause</b>	Insufficient wet weather hydraulic capacity
<b>Details of Corrective Action Taken or Planned</b>	County submitted time extension request to eliminate overflow structure by 8/3/2023.



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

<b>Date of Rain Event</b>		3/24/2021
<b>Rain (inches)</b>		1.77" to 1.89"
<b>SSO Name</b>	<b>SSO ID</b>	
Alter Road	22	3,568
Southern Cross Drive	23A	32,199
Southern Cross	23B	36,144
Patterson Avenue	24	93,853
Aiken Avenue	41	
Marnat Road	113	
Queen Anne Drive	129	16,505



## **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. This project is 90% complete, achieving functional use on 1/26/2021.
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)	2/5/2020	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. This project is 42% complete.
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
Lodge Forest Manor	3/20/2020	Design (RoW)	1/30/2020	3/20/2025	DNR easement acquisition.
Stansbury Manor	3/20/2020	Design (Permit)	3/29/2021	4/20/2024	MAA property acquisition.
Baurenschmidt Manor	6/1/2021	Construction			
Hyde Park	6/1/2021	Construction			
Millers Island	6/1/2022	Construction			
Turkey Point	6/1/2022	Construction			
Penwood Terrace	6/1/2023	Contractor Selection			
Corsica	6/1/2023	Design			
Fort Howard	6/1/2023	Design			



## **Attachment C - CCTV in Response to an SSO**



Date of SSO	Location	CCTV Inspection Date	Exemption
1/12/2021	Pawnee and Wampler Roads	1/15/2021	
1/12/2021	5414 Montbel Avenue		B
2/10/2021	1235 Brigadoon Trail	2/10/2021	
2/28/2021	1242 Sulphur Spring Road	3/10/2021	
3/5/2021	1362 Sudvale Road		B
3/17/2021	1101 Linden Avenue	3/19/2021	
3/24/2021	Alter Street and Southern Cross Drive		D
3/24/2021	Southern Cross Drive & Parsons Avenue		D
3/24/2021	3909 Southern Cross Drive		D
3/24/2021	3902 Patterson Avenue		D
3/24/2021	Queen Anne Drive & Hillcrest Avenue		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 D - Status of SRRR Plan Implementation





Sewershed	Original Consent Decree Deadline	Date of Potential Delay Notification	Reason for Delay	Comments
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	State and Local Permitting	
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			
<b>Substantially completed SRRR Plan implementations <sup>1</sup></b>				
Bird River	9/29/2020	3/15/2019	Right of entry acquisition	There are 3 assets (i.e. sewer and manholes) which represents approximately 60 percent of the total assets with structural repair recommendations that remain outstanding and are awaiting completion of right of entry acquisition. The County will submit to EPA and MDE a time of performance extension request when all right of entry agreements have been acquired and the County has issued the construction contract notice to proceed. The outstanding structural repairs have no effect on the performance of the collection system.
Bread & Cheese	9/29/2020 (Requested date: 3/6/2022)	5/28/2020 (Time extension request)	Right of entry acquisition	There are 127 asset (i.e. sewer and manholes) which represents approximately 100 percent of the total assets with structural repair recommendations that remain outstanding. Bid Opening for this project was January 7, 2021. Notice to Proceed is expected in late April 2021.



Sewershed	Original Consent Decree Deadline	Date of Potential Delay Notification	Reason for Delay	Comments
				The County will submit to EPA and MDE a time of performance extension request when the County has issued the construction contract notice to proceed. The outstanding structural repairs have no effect on the performance of the collection system.
Bengies	9/29/2020	3/15/2019	Right of entry acquisition	There are 96 assets (i.e. sewer and manholes) which represents approximately 100 percent of the total assets with structural repair recommendations that remain outstanding and are awaiting completion of right of entry acquisition. The County will submit to EPA and MDE a time of performance extension request when all right of entry agreements have been acquired and the County has issued the construction contract notice to proceed. The outstanding structural repairs have no effect on the performance of the collection system.
Cockeysville	9/29/2020	3/15/2019	Right of entry acquisition	There are 12 assets (i.e. sewer and manholes) which represents approximately 57 percent of the total assets with structural repair recommendations that remain outstanding and are awaiting completion of right of entry acquisition. The County will submit to EPA and MDE a time of performance extension request when all right of entry agreements have been acquired and the County has issued the construction contract notice to proceed. The outstanding structural repairs have no effect on the performance of the collection system.
Dead Run	9/6/2017			Substantially completed
Gwynns Falls	9/6/2018	2/14/2017	Right of way acquisition	On September 6, 2018, the County certified substantial completion for the implementation of the Gwynns Falls Sewershed SRRR Plan with the exception of 23 structural repairs for which a potential delay was submitted to EPA and MDE. The outstanding structural repairs have no effect on the performance of the collection system.  To date, 6 repairs remain outstanding and will be completed concurrent with the Powder Mill Interceptor Phase1 project, which is currently in construction.
Herring Run	9/6/2018	8/15/2017 3/6/2018	Right of entry acquisition	There are 93 assets (i.e. sewer and manholes) which represents approximately 6 percent of the total assets with structural repair



Sewershed	Original Consent Decree Deadline	Date of Potential Delay Notification	Reason for Delay	Comments
				recommendations that remain outstanding and are awaiting completion of right of entry acquisition. Two of these properties have entered the condemnation process. The County will submit to EPA and MDE a time of performance extension request when all right of entry agreements have been acquired and the County has issued the construction contract notice to proceed. The outstanding structural repairs have no effect on the performance of the collection system.
Jones Falls	9/6/2019			There are 10 assets (i.e. sewer and manholes) which represents approximately 0.6 percent of the total assets with structural repair recommendations that remain outstanding and are awaiting completion of right of entry acquisition. The County will submit to EPA and MDE a time of performance extension request when all right of entry agreements have been acquired and the County has issued the construction contract notice to proceed. The outstanding structural repairs have no effect on the performance of the collection system.
Orems	9/29/2020	11/22/2019	Right of entry acquisition	Design is complete for the Orems Basin 3 Relief Sewer and the construction bid opening is scheduled for 4/20/2021. An accurate Time Extension request will be submitted once the County receives a schedule from the successful contractor.
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

<sup>1</sup> 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.

