



Quarterly Report

**January 1, 2019
Through
March 31, 2019**

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

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, 2019 through March 31, 2019.

The quarterly report discusses activities and progress of Baltimore County during the last quarter 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(a). 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 construction during the reporting quarter.

iii. Collection System Inspection

Continued implementation of the inspection of the collection system, pursuant to Paragraphs 8 and 15 of the Consent Decree.

Paragraph 15.B.i.b inspections status is summarized in Attachment C; 0.3 miles were inspected\attempted to be inspected during the reporting period with 12 manholes and other appurtenances also inspected\attempted to be inspected. 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 Plans

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:

None.

(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:

Cockeysville SRRR Plan

On 3/15/2019 the County submitted a potential delay notification for sewer structural repair and rehabilitation projects.

Bird River SRRR Plan



On 3/15/2019 the County submitted a potential delay notification for sewer structural repair and rehabilitation projects.

Bengies SRRR Plan

On 3/15/2019 the County submitted a potential delay notification for sewer structural repair and rehabilitation projects.

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

To expedite completion of the downstream hydraulic improvements, the County has split the design project into two projects: Powder Mill Interceptor Relief Sewer Phase I and Phase II. The County is preparing final design documents for the first project and is awaiting City permits for the second design project. The first design project is anticipated to be advertised in the first half of 2019.


Elimination of Non-Pump Station SSO Structures 41 and 129

The County is continuing negotiations and finalizing easement agreements with four property owners to accommodate construction of the East Branch Herring Run Relief Sewer (reference potential delay notification dated March 3, 2017).

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

The County continues coordinating with the City to complete the needed hydraulic improvements to the City's collection system. The County and City engineering staff did not have a coordination meeting during the reporting period; however, the DPW directors met to discuss ways to better collaborate. All County and City data requests were addressed during the period. The County intends to meet with the City to discuss potential options to expedite the City's hydraulic improvement project(s) and expand their study area for a more regional approach.

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. 252



Attachment A

Discharges from Overflow Structures

During the January 1, 2019 – March 31, 2019 Period



Pump Station Overflow Structures:

Name	Kings Point
Address	9701 Plowline Road
Date Of Discharge	2/24/2019
Duration Of Overflow	24 Minutes
Date Of Relevant Weather Conditions	2/24/2019
Description Of Relevant Weather Conditions	Dry
Gallons Discharged	6,000
Receiving Waters	Mardella Branch
Identified Cause	VFD Interruption
Details Of Corrective Action Taken Or Planned	Reset VFD

Non-Pump Station Overflow Structures – Metered:

Name	Alter Road
SSO ID	22
Address	Alter Street & Southern Cross Drive
Date Of Discharge	3/21/2019
Duration Of Overflow	3 Hrs. 58 Min.
Date Of Relevant Weather Conditions	3/21-22/2019
Description Of Relevant Weather Conditions	Rain
Net Gallons Discharged	10,709
Receiving Waters	Maidens Choice Creek
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	Right of way acquisition required for sewer relief project. County to submit a formal SSO elimination time extension request when a date has been identified.

Name	Southern Cross Drive
SSO ID	23A
Address	Southern Cross Drive & Parsons Avenue
Date Of Discharge	3/21/2019
Duration Of Overflow	9 Hrs. 43 Min.
Date Of Relevant Weather Conditions	3/21-22/2019
Description Of Relevant Weather Conditions	Rain
Net Gallons Discharged	69,322
Receiving Waters	Gwynns Falls
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	Right of way acquisition required for sewer relief project. County to submit a formal SSO elimination time extension request when a date has been identified.



Name	Southern Cross
SSO ID	23B
Address	3909 Southern Cross Drive
Date Of Discharge	3/21/2019
Duration Of Overflow	9 Hrs. 19 Min.
Date Of Relevant Weather Conditions	3/21-22/2019
Description Of Relevant Weather Conditions	Rain
Net Gallons Discharged	68,236
Receiving Waters	Gwynns Falls
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	Right of way acquisition required for sewer relief project. County to submit a formal SSO elimination time extension request when a date has been identified.

Name	Patterson Avenue
SSO ID	24
Address	3902 Patterson Avenue
Date Of Discharge	3/21/2019
Duration Of Overflow	12 Hrs. 19 Min.
Date Of Relevant Weather Conditions	3/21-22/2019
Description Of Relevant Weather Conditions	Rain
Net Gallons Discharged	339,095
Receiving Waters	Gwynns Falls
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	Right of way acquisition required for sewer relief project. County to submit a formal SSO elimination time extension request when a date has been identified.

Name	Aiken Avenue
SSO ID	41
Address	7829 Aiken Avenue & Taylor Avenue
Date Of Discharge	3/21/2019
Duration Of Overflow	2 Hrs. 23 Min.
Date Of Relevant Weather Conditions	3/21-22/2019
Description Of Relevant Weather Conditions	Rain
Net Gallons Discharged	17,087
Receiving Waters	Herring Run
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	Right of way acquisition required for sewer relief project. SSO elimination time extension request approved on 4/16/2018.



Name	Queen Anne Drive
SSO ID	129
Address	Queen Anne Drive & Hillcrest Avenue
Date Of Discharge	3/21/2019
Duration Of Overflow	2 Hrs. 51 Min.
Date Of Relevant Weather Conditions	3/21-22/2019
Description Of Relevant Weather Conditions	Rain
Net Gallons Discharged	36,724
Receiving Waters	Herring Run
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	Right of way acquisition required for sewer relief project. SSO elimination time extension request approved on 4/16/2018.

Name	Overbrook Road
SSO ID	118
Address	Overbrook Road & Medwick Garth
Date Of Discharge	3/21/2019
Duration Of Overflow	1 Hrs. 28 Min.
Date Of Relevant Weather Conditions	3/21-22/2019
Description Of Relevant Weather Conditions	Rain
Net Gallons Discharged	34,966
Receiving Waters	Maidens Choice Creek
Identified Cause	Insufficient wet weather hydraulic capacity
Details of Corrective Action Taken or Planned	City hydraulic improvements needed to eliminate overflow. County is coordinating with the City to complete needed improvements.



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

Date of Rain Event		3/21-22/2019
Rain (inches)		3.28
SSO Name	SSO ID	
Alter Road	22	10,709
Southern Cross Drive	23A	69,322
Southern Cross	23B	68,236
Patterson Avenue	24	339,095
Aiken Avenue	41	17,087
Queen Anne Drive	129	36,724
Overbrook Road	118	34,966



Attachment B

Construction Projects Status

During the January 1, 2019 – March 31, 2019 Period



Attachment B: Construction/Rehabilitation Projects Progress – 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 (SSOs 22, 23A, 23B, 24) – 201-0077-7093	-	Gwynns Falls	TBD	No	This project is in the right of way (ROW) acquisition stage; on 4/16/2018, EPA approved the County's SSO extension of time request
Powder Mill Interceptor Relief Sewer Phase II (SSOs 22, 23A, 23B, 24) – 201-0077-7093	-	Gwynns Falls	TBD	No	This project is in the right of way (ROW) acquisition stage; on 4/16/2018, EPA approved the County's SSO extension of time request
East Branch Herring Run Relief Sewer (SSO 41 & 129) – 201-0077-7103	-	Herring Run	TBD	No	This project is in the right-of-way acquisition stage; on 4/16/2018, EPA approved the County's SSO extension of time request

Attachment B: Construction/Rehabilitation Projects Progress – Pump Station Rehabilitation, Repair and Replacement Consent Decree Paragraph No. 13

Project Name	Consent Decree Deadline	Anticipated Meeting CD Deadline	Comments
Quad Avenue	3/20/2020	Yes	Construction
Old Battle Grove	3/20/2020	Yes	Construction
Waldman Avenue	3/20/2020	Yes	Construction
Thompson Boulevard	3/20/2020	Yes	Construction
Peninsula Boulevard	3/20/2020	Yes	Construction
Harewood Park	3/20/2020	Yes	Construction
Campus Hill	3/20/2020	Yes	Construction
Rettman's Lane	3/20/2020	Yes	Construction
Lodge Forest Manor	3/20/2020	Yes	Design. Potential delay notification submitted on 11/9/2017.
Stansbury Manor	3/20/2020	Yes	Design. Potential delay notification submitted on 11/9/2017.
Blenhurst	3/20/2020	Yes	Construction
Rosebank	3/20/2020	Yes	Construction
Beachwood Road	3/20/2020	Yes	Construction. Potential delay notification submitted on 9/17/2018.
Oliver Beach	3/20/2020	Yes	Construction. Potential delay notification submitted on 9/17/2018.
Hyde Park	6/1/2021	Yes	Design
Bauernschmidt Manor	6/1/2021	Yes	Design
Turkey Point	6/1/2022	Yes	Design
Millers Island	6/1/2022	Yes	Design
Corsica	6/1/2023	Yes	Planned
Fort Howard	6/1/2023	Yes	Planned
Pennwood Terrace	6/1/2023	Yes	Planned

Attachment C

Collection System Inspection Status

During the January 1, 2019 – March 31, 2019 Period



Attachment C: Collection System Inspection Status

Paragraph 15.B.i (b)

Completion scheduled for September 20, 2020
Currently On-Time

Miles Remaining Beginning of Quarter	Miles Inspected and/or Attempted this Quarter	Miles Attempted but not Completed to Date	Miles Remaining
7.5	0.3	2.9	7.1
Appurtenances to be Inspected Beginning of Quarter	Appurtenances Inspected and/or Attempted this Quarter	Appurtenances Attempted but not Completed to Date	Appurtenances Remaining
93	12	330	57

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



Attachment D

CCTV in Response to an SSO

During the January 1, 2019 – March 31, 2019 Period



Attachment D: CCTV response to an SSO (8.C.v)

Date of SSO	Location	CCTV Inspection Date	Exemption
1/4/2019	2408 Stonewall Ct.		B
1/9/2019	3708 Breton Way (Templegate PS)		B
1/9/2019	2692 Virginia Ave.		B
1/9/2019	8318 Bufflehead Dr.		B
1/26/2019	1252 Narcissus Ave.	1/29/2019	
2/7/2019	6909 Lachlan Circle		B
2/8/2019	7710 Babikow Rd.		B
2/10/2019	5127 Terrace Dr.	2/13/2019	
2/12/2019	8116 Philadelphia Rd.	2/19/2019	
2/18/2019	132 Buttonwood Ct.	2/19/2019	
3/15/2019	7510 Kenlea Ave.	3/18/2019	
3/18/2019	7315 Berkshire Rd.	3/21/2019	
3/20/2019	52 Oak Shadows Ct.	3/23/2019	
3/21/2019	Alter Street & Southern Cross Drive		D
3/21/2019	Southern Cross Drive & Parsons Avenue		D
3/21/2019	3909 Southern Cross Drive		D
3/21/2019	3902 Patterson Avenue		D
3/21/2019	7829 Aiken Avenue & Taylor Avenue		D
3/21/2019	Queen Anne Drive & Hillcrest Avenue		D
3/21/2019	Overbrook Road & Medwick Garth		D
3/28/2019	8227 Fischer Road		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; or
- B. The cause of the SSO was a blockage in the gravity line segment and visible directly from the manhole; or
- 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; or
- 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

During the January 1, 2019 – March 31, 2019 Period



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	Yes
Cockeysville	9/29/2020	Yes. On 3/15/2019 the County submitted a potential delay notification for sewer structural repair and rehabilitation projects.
Dead Run	9/6/2017	Completed
Delmar	4/18/2022	Yes
Duck Creek	4/18/2022	Yes
Dundalk	4/18/2022	Yes
East Point	4/18/2022	Yes
Essex	4/18/2022	Yes
Gray Manor	4/18/2022	Yes
Gunpowder	4/18/2026	Yes
Gwynns Falls	9/6/2018	Completed
Herring Run	9/6/2018	Completed
Jones Falls	9/6/2019	Yes. On 11/17/2015 and 5/17/2018, the County submitted potential delay notifications for two sewer structural repair and rehabilitation projects.
Long Quarter	4/18/2024	Yes
Orems	9/29/2020	Yes. On 11/16/2018 the County submitted a potential delay notification for a force main replacement project.
Patapsco	9/6/2021	Yes. On 10/28/2018 the County submitted a potential delay notification for sewer structural repair and rehabilitation projects.
Redhouse Run	4/18/2024	Yes
Stemmers Run	9/6/2024	Yes
Texas	4/18/2022	Yes
Tributary 26	2/11/2020	Completed
Tributary 27	9/6/2017	Completed
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

