DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**MD0021555**	**Permittee:**	BACK RIVER WWTP	**Facility:**	BACK RIVER WWTP
Major:	Yes	**Permittee Address:**	8201 EASTERN AVENUE BALTIMORE COUNTY BALTIMORE, MD 21224	**Facility Location:**	8201 EASTERN AVENUE BALTIMORE COUNTY BALTIMORE COUNTY, MD 21224
Permitted Feature:	002 External Outfall	**Discharge:**	**002-A** 15-DP-0581, TOXIC REPORTING REQUIRED		

Report Dates & Status

Monitoring Period:	**From 07/01/26 to 07/31/26**	**DMR Due Date:**	**08/28/26**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Matthew	**Title:**	Director of Public Works	**Telephone:**	410-396-9815
Last Name:	Garbark				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	**Oxygen, dissolved [DO]**	1 - Effluent Gross	0	--	Sample						=	6.4					19 - mg/L		03/01 - Three Per Day	GR - Grab
					Permit Req.						>=	5.0 INST MIN					19 - mg/L		03/01 - Three Per Day	GR - Grab
					Value NODI															
00310	**BOD, 5-day, 20 deg. C**	1 - Effluent Gross	0	--	Sample	=	27.0	=	122.0	26 - lb/d			<	2.0	<	2.0	19 - mg/L	0	01/01 - Daily	24 - 24 Hour Composite
					Permit Req.	<=	8340.0 MX MO AV	<=	12520.0 MX WK AV	26 - lb/d			<=	20.0 MX MO AV	<=	30.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.3			=	8.3	12 - SU	1	03/01 - Three Per Day	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		03/01 - Three Per Day	GR - Grab
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample	=	67.0	=	60.0	26 - lb/d			<	1.0	<	1.0	19 - mg/L	0	01/01 - Daily	24 - 24 Hour Composite
					Permit Req.	<=	12520.0 MX MO AV	<=	18770.0 MX WK AV	26 - lb/d			<=	30.0 MX MO AV	<=	45.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	1	--	Sample			=	2081.0	76 - lb/mo									01/30 - Monthly	CA - Calculated
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - Calculated
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	2	--	Sample			=	38315.0	50 - lb/yr								0	01/30 - Monthly	CA - Calculated
					Permit Req.			<=	4589026.0 CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - Calculated
					Value NODI															
00600	**Nitrogen, total [as N]**	1 - Effluent Gross	0	--	Sample								=	2.2			19 - mg/L		01/30 - Monthly	CA - Calculated
					Permit Req.									Req Mon MO AVG			19 - mg/L		01/30 - Monthly	CA - Calculated
					Value NODI															
00600	**Nitrogen, total [as N]**	1 - Effluent Gross	1	--	Sample			=	35702.0	50 - lb/yr								0	01/30 - Monthly	CA - Calculated
					Permit Req.			<=	230294.0 SEAS TDT	50 - lb/yr									01/30 - Monthly	CA - Calculated
					Value NODI															
00600	**Nitrogen, total [as N]**	1 - Effluent Gross	2	--	Sample			=	67744.0	50 - lb/yr								0	01/30 - Monthly	CA - Calculated
					Permit Req.			<=	610748.0 CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - Calculated
					Value NODI															
					Sample			=	11167.0	76 - lb/mo									01/30 - Monthly	CA - Calculated

00600	**Nitrogen, total [as N]**	EG - Effluent Gross	1	--	Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - Calculated
					Value NODI															
00605	**Nitrogen, organic total [as N]**	1 - Effluent Gross	0	--	Sample	=	148.9			26 - lb/d			=	0.9			19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Permit Req.		Req Mon MO LOAD			26 - lb/d				Req Mon MO AVG			19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00610	**Nitrogen, ammonia total [as N]**	1 - Effluent Gross	0	--	Sample	=	87.0	=	139.0	26 - lb/d			=	0.5	=	0.8	19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Permit Req.	<=	830.0 MX MO AV	<=	1250.0 MX WK AV	26 - lb/d			<=	2.0 MX MO AV	<=	3.0 MX WK AV	19 - mg/L	0	01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00630	**Nitrite + Nitrate total [as N]**	1 - Effluent Gross	0	--	Sample	=	133.1			26 - lb/d			=	0.8			19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Permit Req.		Req Mon MO LOAD			26 - lb/d				Req Mon MO AVG			19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	0	--	Sample	=	16.0	=	21.0	26 - lb/d			=	0.1	=	0.13	19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Permit Req.	<=	83.0 MO AVG	<=	125.0 WKLY AVG	26 - lb/d			<=	0.2 MO AVG	<=	0.3 WKLY AVG	19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	1	--	Sample			=	494.0	76 - lb/mo									01/30 - Monthly	CA - Calculated
					Permit Req.				Req Mon TOTAL	76 - lb/mo									01/30 - Monthly	CA - Calculated
					Value NODI															
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	2	--	Sample			=	3166.0	50 - lb/yr								0	01/30 - Monthly	CA - Calculated
					Permit Req.			<=	30363.0 CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - Calculated
					Value NODI															
00665	**Phosphorus, total [as P]**	EG - Effluent Gross	2	--	Sample			=	1886.0	50 - lb/yr								0	01/30 - Monthly	CA - Calculated
					Permit Req.			<=	15353.0 SEAS TDT	50 - lb/yr									01/30 - Monthly	CA - Calculated
					Value NODI															
00722	**Cyanide, free [amenable to chlorination]**	1 - Effluent Gross	0	--	Sample								<	2.0			28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.									Req Mon MO AVG			28 - ug/L		01/30 - Monthly	GR - Grab
					Value NODI															
04175	**Phosphate, ortho [as P]**	1 - Effluent Gross	0	--	Sample			=	5.0	26 - lb/d			<	0.047			19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite
					Permit Req.				Req Mon MO LOAD	26 - lb/d				Req Mon MO AVG			19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
39350	**Chlordane [tech mix. and metabolites]**	1 - Effluent Gross	0	--	Sample										<	0.19	28 - ug/L		01/30 - Monthly	24 - 24 Hour Composite
					Permit Req.											Req Mon TOTAL	28 - ug/L		01/30 - Monthly	24 - 24 Hour Composite
					Value NODI															
39390	**Endrin**	1 - Effluent Gross	0	--	Sample										<	0.019	28 - ug/L		01/30 - Monthly	24 - 24 Hour Composite
					Permit Req.											Req Mon TOTAL	28 - ug/L		01/30 - Monthly	24 - 24 Hour Composite
					Value NODI															
50050	**Flow, in conduit or thru treatment plant**	1 - Effluent Gross	0	--	Sample	=	19.5	=	26.3	03 - MGD									99/99 - Continuous	RC - Recorder (auto)
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
50060	**Chlorine, total residual**	1 - Effluent Gross	0	--	Sample										=	2.4	19 - mg/L		03/01 - Three Per Day	GR - Grab
					Permit Req.											Req Mon MAXIMUM	19 - mg/L		03/01 - Three Per Day	GR - Grab
					Value NODI															
51040	**E. coli**	1 - Effluent Gross	0	--	Sample										=	2.0	30 - MPN/100mL	0	01/01 - Daily	GR - Grab
					Permit Req.										<=	126.0 MX MO GMN	30 - MPN/100mL		01/01 - Daily	GR - Grab
					Value NODI															
82220	**Flow, total**	1 - Effluent Gross	0	--	Sample			=	604.9	80 - Mgal/mo									99/99 - Continuous	RC - Recorder (auto)
					Permit Req.				Req Mon TOTAL	80 - Mgal/mo									99/99 - Continuous	RC - Recorder (auto)
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

The July 2026 cover letter, discharge monitoring report and monthly operations report are attachments with this submission. On Wednesday, July 22, 2026, a pH non-compliance event happened on the 10:00PM-6:00AM shift when the operator did not get a pH reading for Outfalls 001A and 002A. The operator on duty at the bleach facility experienced an issue calibrating a replacement meter for pH analysis. He used a different meter because there was a failure with the primary pH meter. The pH meter he attempted to use was an older unit, and he failed in his attempts at calibration.

Attachments

Name	Type	Size
JULY_26_MOR.pdf	pdf	4364786.0
JULY_26_002_DMR.pdf	pdf	1096668.0

JULY_26_Cover_letter_signed.pdf	pdf	325785.0

Report Last Saved By	
BACK RIVER WWTP	
User:	rayford.mceachern@baltimorecity.gov
Name:	Rayford McEachern
E-Mail:	rayford.mceachern@baltimorecity.gov
Date/Time:	2026-08-27 16:28 (Time Zone: -04:00)
Report Last Signed By	
User:	rayford.mceachern@baltimorecity.gov
Name:	Rayford McEachern
E-Mail:	rayford.mceachern@baltimorecity.gov
Date/Time:	2026-08-27 16:28 (Time Zone: -04:00)