pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0036897**
Facility Type	**Municipal**	APS ID	**1114823**
Major / Minor	**Minor**	Authorization ID	**1487000**

Applicant and Facility Information

Applicant Name	**South Coatesville Borough**	Facility Name	**South Coatesville STP**
Applicant Address	136 Modena Road	Facility Address	134 North Brandywine Avenue
	Coatesville, PA 19320-4035		Coatesville, PA 19320
Applicant Contact	Lloyd Garnett	Facility Contact	Lloyd Garnett
Applicant Phone	(484) 356-4224	Facility Phone	(484) 356-4224
Client ID	34895	Site ID	458535
Ch 94 Load Status	Existing Organic Overload	Municipality	South Coatesville Borough
Connection Status	No Limitations	County	Chester
Date Application Received	May 31, 2024	EPA Waived?	No
Date Application Accepted		If No, Reason	Christina River Basin TMDL

Purpose of Application: Permit Renewal.

Summary of Review

Permittee (South Coatesville Borough) submitted application for the renewal of an NPDES permit to discharge 0.381 mgd of treated sewage from South Coatesville sewage treatment plant (STP) discharging to West Branch Brandywine Creek in watershed 3H – Brandywine, a designated Warm Water Fishes (WWF) in Chapter 93. The hydraulic design capacity of 0.5 mgd is continued in this permit which is used for preparation of the annual Municipal Wasteload Management Report to determine whether a hydraulic overload situation exists as defined on Chapter 94. The facility serves the communities of South Coatesville Borough and Modena Borough.

The sewage treatment plant consists of influent meter, mechanical bar screen, two sequencing batch reactors, two sludge holding tanks, two chlorine contact tanks with gas chlorine, phosphorus removal, and dichlorination system. The raw sewage enters through influent meter pit, then is directed to a mechanical screening system, and enters to one of two SBR tanks. Solids are pumped to sludge holding tanks while the effluent is pumped through chlorine contact tank before discharge into West Branch Brandywine Creek. Alum is used for phosphorus removal. Gaseous chlorine is used as disinfectant. The STP is designed for an annual average flow of 0.381 mgd and a maximum monthly flow of 0.5 mgd. As the STP discharges to West Branch Brandywine Creek, it is subjected to Christina River Basin Total Maximum Daily Load (TMDL). The facility is in compliance with all the parameters of the NPDES permit. Effluent TMDL allocations for all parameters concentrations are carried over for this permit renewal. We have added monthly monitoring for E. Coli in this permit which is consistent with Standard Operating Procedure (SOP) for Clean Water Program.

Sludge use and disposal description and location(s): Sludge is transported by McGovern, Inc. to the DELCORA WWTP.

Act-14 Notification to Modena Borough on May 31, 2024.
Act-14 Notification to Chester County Commissioner's Office on May 31, 2024.

Approve	Deny	Signatures	Date
X		Ketan Thaker Ketan Thaker / Project Manager	8/20/2024
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	08/20/2024

Summary of Review
Public Participation DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.5
Latitude	39Âº 58' 0.94"	Longitude	-75Âº 48' 25.25"
Quad Name	Coatesville	Quad Code	1939
Wastewater Description:	Sewage Effluent		
Receiving Waters	West Branch Brandywine Creek (WWF, MF)	Stream Code	00085
NHD Com ID	26086098	RMI	14.0
Drainage Area	54 mi^2	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	6.79	Q_{7-10} Basis	PA Streamstats
Elevation (ft)		Slope (ft/ft)	
Watershed No.	3-H	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	N/A
Assessment Status	Impaired		
Cause(s) of Impairment	FLOW REGIME MODIFICATION, FLOW REGIME MODIFICATION, NUTRIENTS, POLYCHLORINATED BIPHENYLS (PCBS), SILTATION,		
Source(s) of Impairment	AGRICULTURE, SOURCE UNKNOWN, URBAN RUNOFF/STORM SEWERS,		
TMDL Status	Final, Final	Name	Christina River Basin, West Branch Brandywine Creek

Changes Since Last Permit Issuance: No Changes

Treatment Facility Summary				
Treatment Facility Name: South Coatesville STP				
WQM Permit No.	**Issuance Date**			
1598413-A1	March 27, 2009			
Waste Type	**Degree of Treatment**	**Process Type**	**Disinfection**	**Avg Annual Flow (MGD)**
Sewage	Secondary	Activated Sludge	Gas Chlorine	0.381
Hydraulic Capacity (MGD)	**Organic Capacity (lbs/day)**	**Load Status**	**Biosolids Treatment**	**Biosolids Use/Disposal**
0.5	500	Existing Organic Overload		

Compliance History

DMR Data for Outfall 001 (from July 1, 2023 to June 30, 2024)

Parameter	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23
Flow (MGD) Average Monthly	0.125	0.160	0.363	0.300	0.224	0.335	0.269	0.159	0.171	0.176	0.162	0.181
Flow (MGD) Daily Maximum	0.184	0.183	0.748	0.477	0.276	1.100	0.810	0.330	0.224	0.305	0.205	0.277
pH (S.U.) Minimum	6.8	6.0	6.2	7.3	7.6	7.5	7.1	6.9	6.2	6.0	6.0	6.3
pH (S.U.) Maximum	7.5	7.6	7.7	8.4	8.6	8.3	7.8	8.1	7.6	7.7	6.5	7.3
DO (mg/L) Minimum	6.0	7.8	7.6	8.5	8.5	7.0	7.2	8.6	5.6	5.5	5.3	5.5
TRC (mg/L) Average Monthly	0.34	0.29	0.32	0.35	0.33	0.26	0.17	0.19	0.18	0.26	0.39	0.18
TRC (mg/L) Instantaneous Maximum	0.65	0.54	0.59	0.58	0.53	0.60	0.45	0.45	0.50	0.50	0.91	0.39
CBOD5 (lbs/day) Average Monthly	3.84	4.08	6.37	8.42	8.49	8.94	15.94	6.30	5.79	6.03	4.29	6.41
CBOD5 (lbs/day) Weekly Average	5.68	5.53	8.27	10.83	13.23	12.69	31.70	8.86	8.35	8.28	4.86	10.83
CBOD5 (mg/L) Average Monthly	3.70	3.03	2.60	3.15	4.73	3.54	4.45	4.63	3.96	3.63	3.23	4.38
CBOD5 (mg/L) Weekly Average	5.60	4.10	3.70	4.30	7.70	5.00	4.70	5.40	6.20	4.50	3.70	8.30
BOD5 (lbs/day) Raw Sewage Influent Average Monthly	181	228	413	431	246	418	554	245	214	252	227	195
BOD5 (mg/L) Raw Sewage Influent Average Monthly	172	169	165	160	133	168	154	180	144	148	166	128
TSS (lbs/day) Average Monthly	10.60	12.82	9.08	13.26	24.16	21.72	42.86	18.95	21.01	20.29	10.60	17.88

TSS (lbs/day) Raw Sewage Influent Average Monthly	169	228	422	424	260	472	521	196	177	204	196	234
TSS (lbs/day) Weekly Average	18.25	18.87	13.93	29.25	39.31	35.96	74.18	24.35	33.57	34.09	16.99	36.46
TSS (mg/L) Average Monthly	10.25	9.50	4.20	5.25	13.25	8.60	12.75	14.25	14.20	11.75	7.75	11.40
TSS (mg/L) Raw Sewage Influent Average Monthly	161	169	162	158	141	187	156	146	117	129	146	153
TSS (mg/L) Weekly Average	18.00	14.00	9.00	13.00	21.00	18.00	16.00	19.00	18.00	17.00	11.00	17.00
Total Dissolved Solids (mg/L) Average Quarterly	298.0			318.0			334.0			350.0		
Total Dissolved Solids (mg/L) Daily Maximum	298.0			318.0			334.0			350.0		
Fecal Coliform (No./100 ml) Average Monthly	2	2	1	1	1	2	2	2	3	4	5	4
Fecal Coliform (No./100 ml) Instantaneous Maximum	14	35	1	2	1	11	6	6	201	15	36	21
Total Nitrogen (lbs/day) Average Monthly	7.86	4.19	9.51	11.94	9.32	14.71	15.01	7.52	11.67	12.95	9.06	7.89
Total Nitrogen (mg/L) Average Monthly	7.59	3.11	3.76	4.47	5.14	6.05	4.32	5.75	8.17	8.20	6.81	5.00
Ammonia (lbs/day) Average Monthly	2.35	0.92	0.92	2.14	1.65	1.28	0.91	0.55	0.16	0.39	0.50	0.72
Ammonia (mg/L) Average Monthly	2.25	0.68	0.42	0.83	0.95	0.63	0.31	0.40	0.11	0.24	0.40	0.48
Total Phosphorus (lbs/day) Average Monthly	1.11	1.81	2.58	2.76	2.18	2.71	4.50	1.66	2.08	2.10	1.50	1.67
Total Phosphorus (mg/L) Average Monthly	1.06	1.34	1.02	1.03	1.20	1.10	1.34	1.25	1.46	1.23	1.10	1.12

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0.5
Latitude 39º 58' 1.00" **Longitude** -75º 48' 26.00"
Wastewater Description: Sewage Effluent

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
$CBOD_5$	25	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	40	Average Weekly	133.102(a)(4)(ii)	92a.47(a)(2)
Total Suspended Solids	30	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	45	Average Weekly	133.102(b)(2)	92a.47(a)(2)
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Fecal Coliform (5/1 – 9/30)	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
Fecal Coliform (10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)

Water Quality-Based Limitations

Parameter	Limit (mg/l)	SBC	Model
CBOD5	25	Average Monthly	Christina River Basin TMDL
TSS	30	Average Monthly	Christina River Basin TMDL
NH_3N	7.0	Average Monthly	Christina River Basin TMDL
Total Phosphorus	2.0	Average Monthly	Christina River Basin TMDL
Total Nitrogen	25	Average Monthly	Christina River Basin TMDL

The Christina River Basin Total Maximum Daily Load (TMDL) for Nutrients and Dissolved Oxygen for Low-Flow Conditions, issued by the Environmental Protection Agency (EPA) on January 19, 2001, and subsequently revised on October 2002 and April 2006. Furthermore, DEP prepared, and EPA acknowledged an Alternative Reduction Scenario for the Christina River Basin for Low Flow TMDL dated June 27, 2012 to reassigned some of the allocations within the discharges by keeping the total load to the basin the same. South Coatesville Borough is part of an Alternative Reduction Scenario TMDL (Summary Table 13: TMDL Summary for Brandywine Creek West Branch), for parameters: $CBOD_5$, NH_3N, Dissolved Oxygen, Total Nitrogen, and Total Phosphorus. The flow used in the alternative reduction scenario was 0.381 mgd. This Christina River Basin also has an approved High-Flow TMDL for Bacteria and Sediment (dated September 2006) for Fecal Coliform, enterococci, and TSS, flows and loads for nutrients and $CBOD_5$. This discharge is listed on Table 2-2. Fecal Coliform, enterococci, and TSS, flows and loads for nutrients and $CBOD_5$. The limits for Total Suspended Solids (30 mg/l) and Fecal Coliform (200 No./100 ml) will continue in this permit renewal and it is consistent with the High Flow TMDL for Bacteria and Sediment. The high flow TMDL allocations were not adjusted at the time when low flow TMDL under a “Alternative Reduction Scenario” was developed. Since, the Christina River Low-Flow TMDL is the driver of the Christina River High-Flow TMDL especially for nutrients, therefore, it is assumed that compliance with the low flow TMDL, satisfies the compliance of the high flow TMDL. Therefore, existing TMDL allocations for all parameters are carried over in the renewal. Seasonal limits for NH_3N are carried over in this permit renewal. The above concentrations will remain in this permit renewal.

ATTACHMENTS

Table 12: TMDL Summary for Buck Run

NPDES	FACILITY NAME	FLOW mg/l	$CBOD_5$ mg/l	NH_3-N mg/l	TN mg/l	TP mg/l	DO mg/l	$CBOD_5$ lb/day	NH_3-N lb/day	TN lb/day	TP lb/day	DO lb/day
PA0057231	Eric Barton SRSTP	0.0005	25	30	40.0	10.0	6.0	0.104	0.125	0.167	0.042	0.025
	Total WLA							**0.104**	**0.125**	**0.167**	**0.042**	**0.025**

Table 13: TMDL Summary for Brandywine Creek West Branch

NPDES	FACILITY NAME	FLOW mg/l	$CBOD_5$ mg/l	NH_3-N mg/l	TN mg/l	TP mg/l	DO mg/l	$CBOD_5$ lb/day	NH_3-N lb/day	TN lb/day	TP lb/day	DO lb/day
PA0056561	Romansville Shop	0	15	1.5	3.63	2.0	5.0	0	0	0	0	0
PA0029912	Embreeville STP	0.1	25	20	30	2.0	3.0	20.864	16.691	25.020	1.669	2.504
PA0053996	Michael Redmond	0.0005	25	30	40	10	6.0	0.104	0.125	0.167	0.042	0.025
PA0053228	McCormic SRSTP	0.0005	25	30	40	10	6.0	0.104	0.125	0.167	0.042	0.025
PA0053236	DiGregorio SRSTP	0.0005	25	30	40	10	6.0	0.104	0.125	0.167	0.042	0.025
PA0036897	South Coatesville STP	0.381	25.6	7.17	25	2.05	2.05	81.368	22.783	79.438	6.509	6.509
PA0026859	Coatesville STP	7.000	6.1	1.1	15	0.81	2.75	355.677	64.260	875.700	47.552	160.649
PA0011568-001	ArcelorMittal Plate	0.576	5.5	0.55	10	0.33	5.5	26.705	2.671	48.038	1.602	26.705
PA0011568-016	ArcelorMittal Plate	0.397	6.4	0.64	10	0.38	6.4	21.051	2.105	33.110	1.263	21.051
PA0053821	Chester Airport	0	15	1.5	3.63	2.0	5.0	0	0	0	0	0
PA0056073	Vreekand SRSTP	0.0005	25	30	40	10	6.0	0.104	0.125	0.167	0.042	0.025
PA0012416	Rock Run WFP	0.140	10	0.10	10	0.10	5.0	11.684	0.117	11.676	0.117	5.842
PA0052990	Mitchell SRSTP	0.0005	25	30	40	10	6.0	0.104	0.125	0.167	0.042	0.025
PA0052728	Turkey Hill Market	0.0004	25	10	50	10	6.0	0.083	0.033	0.167	0.033	0.020
PA0055697	Spring Run Estates	0.049	25	1.5	20	2.0	3.0	10.223	0.613	8.173	0.818	1.227
PA0036412	Tel Hai Retirement	0.055	10	2.9	30	1.9	5.0	4.59	1.331	13.761	0.872	2.295
PA0044776	NW Chester County	0.60	13.5	2.7	28.8	1.8	6.0	67.598	13.520	144.120	9.013	30.043
PA0057339	Davidson SRSTP	0.0005	25	30	40	10	6.0	0.104	0.125	0.167	0.042	0.025
Total WLA								**600.468**	**124.874**	**1,240.215**	**69.700**	**256.996**

Table 2-2. Fecal coliform, *enterococci*, and TSS loads for NPDES facilities

NPDES Number	HSPF Subbasin	Flow (mgd)	TSS (mg/L)	Fecal Coliform (cfu/100mL)	Enterococci (cfu/100mL)	TSS (kg/day)	Fecal Coliform (cfu/day)	Enterococci (cfu/day)
Brandywine Creek main stem								
DE0021768	B19	0.0250	15		100	1.42		9.464E+07
PA0053082	B17	0.0206	10	200	100	0.78	1.560E+08	7.798E+07
PA0052663	B16	0.0900	10	200	100	3.41	6.814E+08	3.407E+08
PA0055476	B16	0.0400	10	200	100	1.51	3.028E+08	1.514E+08
PA0244031	B16	0.1500	30	200	100	17.03	1.136E+09	5.678E+08
PA0055484	B16	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0030848	B16	0.0063	30	200	100	0.72	4.770E+07	2.385E+07
PA0056120	B31	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0031097	B15	0.0170	20	200	100	1.29	1.287E+08	6.435E+07
PA0053449	B15	0.1500	30	200	100	17.03	1.136E+09	5.678E+08
PA0057011	B15	0.0773	30	200	100	8.78	5.852E+08	2.926E+08
PA0036200	B15	0.0320	30	200	100	3.63	2.423E+08	1.211E+08
PAG0050005	B15	0.1400	10	2	2	5.30	1.060E+07	1.060E+07
PA0051497	B15	0.0300	10	2	2	1.14	2.271E+06	2.271E+06
PA0056171	B15	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
Brandywine Creek East Branch								
PA0026018	B14	1.5000	30	200	100	170.34	1.136E+10	5.678E+09
PA0057282	B14	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0051365	B14	0.3690	20	2	2	27.94	2.794E+07	2.794E+07
PA0053937	B29	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0056324	B29	0.0440	10	2	2	1.67	3.331E+06	3.331E+06
PA0056618	B29	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0053561	B29	0.0360	10	2	2	1.36	2.725E+06	2.725E+06
PA0043982	B13	0.4000	30	200	100	45.42	3.028E+09	1.514E+09
PA0012815	B13	1.0280	50	200	100	194.57	7.783E+09	3.891E+09
PA0026531	B13	7.5000	30	200	100	810.15	5.687E+10	2.839E+10
PA0030228	B30	0.0225	20	200	100	1.70	1.703E+08	8.517E+07
PA0051918	B13	0.1440	10	2	2	5.45	1.090E+07	1.090E+07
PA0055531	B30	0.0007	30	200	100	0.08	5.300E+06	2.650E+06
PA0054917	B11	0.4750	20	200	100	35.96	3.596E+09	1.798E+09
PA0036374	B27	0.0150	30	200	100	1.70	1.136E+08	5.678E+07
PA0057274	B27	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0050458	B10	0.0351	20	200	100	2.66	2.657E+08	1.329E+08
PA0057827	B10	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0050547	B10	0.0375	20	200	100	2.84	2.839E+08	1.420E+08
PA0055492	B10	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0052949	B10	0.0030	20	2	2	0.23	2.271E+05	2.271E+05
PA0027987	B10	0.0050	20	200	100	0.38	3.785E+07	1.893E+07
PA0054691	B09	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
Brandywine Creek West Branch								
PA0029912	B07	0.1000	30	200	100	11.36	7.571E+08	3.785E+08
PA0053996	B07	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0053228	B06	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0053236	B06	0.0005	20	200	100	0.04	3.785E+06	1.893E+06
PA0036897	B05	0.3900	30	200	100	44.29	2.953E+09	1.476E+09
PA0026859	B05	3.8500	30	200	100	437.22	2.915E+10	1.457E+10
PA0011568-001	B05	0.6400	30	200	100	72.68	4.845E+09	2.423E+09
PA0011568-016	B05	0.5045	30	200	100	57.29	3.819E+09	1.910E+09
PA0056073	B33	0.0005	20	200	100	0.04	3.785E+06	1.893E+06

Best Professional Judgment (BPJ) Limitations

Comments: Total Dissolved Solids limit of 1,000 mg/l will remain at monitoring frequency of once per quarter in this permit renewal per Delaware River Basin Commission regulations and DRBC Docket No. D-1974-039 CP-6. Daily maximum (2,000 mg/l) and Instantaneous Maximum (2,500 mg/l) will also remain in this permit renewal.

Once per week raw sewage influent monitoring for CBOD5 and TSS will remain in this permit renewal as a requirement for municipal and non-municipal sewage facilities of design flows greater than 2,000 gpd. Raw sewage influent monitoring for CBOD5 and TSS is added to make sure the treatment plant is meeting 85% removal efficiency. This is done per Standard Operating Procedure (SOP) for Clean Water Program.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.2	1/day	Grab
CBOD5	79	127	XXX	25	40	50	1/week	24-Hr Composite
BOD5 Raw Sewage Influent	Report	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite
TSS	95	143	XXX	30	45	60	1/week	24-Hr Composite
TSS Raw Sewage Influent	Report	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	1000.0 Avg Qrtly	2000.0 Daily Max	2500	1/quarter	24-Hr Composite
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	1000	1/week	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	1/month	Grab
Total Nitrogen	79	XXX	XXX	25	XXX	50	1/week	24-Hr Composite
Ammonia Nov 1 - Apr 30	67	XXX	XXX	21.0	XXX	42	1/week	24-Hr Composite

Outfall 001 , Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Ammonia May 1 - Oct 31	22	XXX	XXX	7.0	XXX	14	1/week	24-Hr Composite
Total Phosphorus	6.4	XXX	XXX	2.0	XXX	4	1/week	24-Hr Composite

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Approve	Deny	Signatures	Date
X		*Ketan Thaker* Ketan Thaker / Project Manager	8/20/2024
X		*Pravin Patel* Pravin C. Patel, P.E. / Environmental Engineer Manager	08/20/2024