pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0053970**
Facility Type	**Non-Municipal**	APS ID	**1045112**
Major / Minor	**Minor**	Authorization ID	**1364656**

Applicant and Facility Information

Applicant Name	**Martins Community LLC**	Facility Name	**Martins Mobile Home Village STP**
Applicant Address	25 Randy Lane	Facility Address	544 St. Patty Drive, Nottingham, PA 19362
	Cochranville, PA 19330-1647		Nottingham, PA 19362
Applicant Contact	Robert Mills	Facility Contact	Robert Mills
Applicant Phone	(610) 368-7185	Facility Phone	(610) 368-7185
Client ID	247350	Site ID	239545
Ch 94 Load Status	Not Overloaded	Municipality	West Nottingham Township
Connection Status		County	Chester
Date Application Received	August 4, 2021	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: Permit renewal

Summary of Review

The permittee requests approval for the renewal of an NPDES permit to discharge treated sewage from Martins Mobile Home Village STP. The facility's location address has been changed.

The treatment system includes a bar screen and comminutor, equalization tank with two forward flow pumps and a flow splitter box, liquor aeration tank, clarifier with baffle and effluent weir, sludge return line, two chamber sand filter, mudwell for sand filter backwashing having two return pumps that return flow from mudwell to equalization tank, clear well has 2 backwash pumps, chlorine contact tank with flow metered at the end of the tank with v-notch flow regulator with ultrasonic pulse meter, reaeration and dechlorination tank using liquid sodium bisulfite and Stenner adjustable rate feed pump, sludge holding tank for aerobic digestion.

Wastewater treatment chemicals reported in the application are: Soda Ash, Aluminum Sulfate, Sodium hypochlorite solution and Sodium Bisulfite.

No upgrades to the treatment plant are proposed. However, there are plans to add 40 new homes to the system from the adjacent property (Stoneyfield Estate). The expected flow from this addition would be 6,000 gpd. Within the 5-year time frame the owner expects to submit a plan for a new facility to handle the additional flow.
Act 537 plan was approved on April 19, 2016 for this proposed project.

Review of eDMR shows the discharge is in compliance with the permit limitations most of the time. No comments received from Operations Section.

Since there are no changes to the treatment system, influent quality, designation of the receiving water etc. the existing permit limits are recommended to continue. This facility discharges in the Chesapeake Bay Watershed, it met the Phase 5

Approve	Deny	Signatures	Date
X		*Sara Abraham* Sara Reji Abraham, E.I.T. / Project Manager	September 30, 2021
X		*Pravin Patel* Pravin C. Patel, P.E. / Environmental Engineer Manager	09/30/2021

Summary of Review

requirements at the 2012 permit renewal. This facility submitted at least two years' worth of Total Nitrogen (TN) and Total Phosphorus (TP) data. However, monitoring for total Nitrogen and Total Phosphorus is included based on DEP's SOP. E-Coli monitoring is also included according to the SOP.

Per the previous fact sheet, "the file indicates that the STP discharges to the headwaters of the UNT at the point its source is shown on the USGS topo quad. Effluent limits were determined with consideration given to avoiding aquatic toxicity in-stream due to ammonia, as well as protecting for public health and nuisance concerns if possible intermittent dry swale condition should occur at the point of discharge". $CBOD_5$ and Total Suspended Solids are based on advanced treatment requirements for discharges to intermittent and ephemeral streams, drainage channels and swales, and storm sewers. A high degree of treatment is required to compensate for the lack of available assimilative capacity and to minimize the potential for nuisance conditions.

Existing influent monitoring for TSS and BOD is also included in this draft permit.

The only changed limit is for NH3-N compared to the existing permit limits, due to the current WQM modelling. Based on the eDMR review the facility is able to meet the new limit without any issues.

Application reported elevated effluent concentration for Nitrogen. As the permittee planning to build a new facility, it is recommended that design should be based on the advanced treatment requirements for discharges to intermittent and ephemeral streams, drainage channels and swales, and storm sewers.

Sludge use and disposal description and location(s): hauling away to other POTWs

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.

Act 14 Notifications:

West Nottingham Township - August 4, 2021
Chester County - August 4, 2021

Permit Conditions:

A. No Stormwater
B. Acquire Necessary Property Rights
C. Proper Sludge Disposal
D. Abandon STP when Municipal Sewers Available
E. Chlorine Optimization
F. Small Stream Discharge
G. Operator Notification
H. TMDL/WLA Analysis
I. Solids Management

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.012
Latitude	39º 43' 46.73"	Longitude	-76º 1' 7.51"
Quad Name	Rising Sun	Quad Code	2137
Wastewater Description:	Treated Sewage Effluent		
Receiving Waters	Unnamed Tributary to North East Creek (TSF, MF)	Stream Code	06848
NHD Com ID	112189310	RMI	1.14
Drainage Area	0.15 mi^2	Yield (cfs/mi^2)	0.2
Q_{7-10} Flow (cfs)	0.03	Q_{7-10} Basis	Previous fact sheet
Elevation (ft)	440		
Watershed No.	7-K	Chapter 93 Class.	TSF, MF
Assessment Status	Attaining Use(s)		

Treatment Facility Summary

Treatment Facility Name: Martins Mobile Home Village STP

WQM Permit No.	Issuance Date
1591411	September 19, 1992
1591411 – T1	August 4, 2005
1591411 – T2	April 18, 2006

Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Tertiary	Extended Aeration with Solids Removal	Hypochlorite	0.012

Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.012		Not Overloaded		

Changes Since Last Permit Issuance: None

Compliance History

DMR Data for Outfall 001 (from July 1, 2020 to June 30, 2021)

Parameter	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20
Flow (MGD) Average Monthly	0.0045	0.0043	0.0050	0.0062	0.0066	0.0060	0.0073	0.0064	0.0047	0.0046	0.0056	0.0042
pH (S.U.) Instantaneous Minimum	6.08	6.52	6.85	6.81	6.62	6.01	6.09	6.32	6.45	6.31	6.45	7.04
pH (S.U.) Instantaneous Maximum	7.62	7.59	7.91	7.52	7.96	8.08	8.49	8.28	7.95	8.74	7.85	7.97
DO (mg/L) Instantaneous Minimum	5.1	6.9	9.8	7.1	6.4	5.8	6.1	6.3	7.4	7.0	5.8	5.8
TRC (mg/L) Average Monthly	0.02	0.01	0.051	0.03	0.03	0.02	0.03	0.04	0.04	0.04	0.03	0.04
TRC (mg/L) Instantaneous Maximum	0.05	0.05	0.45	0.09	0.18	0.10	0.10	0.08	0.13	0.09	0.11	0.13
CBOD5 (mg/L) Average Monthly	< 3.40	6.85	6.80	< 6.27	4.75	4.0	5.50	4.25	8.05	5.75	6.05	< 3.15
BOD5 (mg/L) Influent Average Monthly	331.5	448	336.5	299	317.5	326	286	313	348.5	311	322	334.5
TSS (mg/L) Average Monthly	< 5.50	< 5	7.7	< 7.20	< 8.50	< 5.7	< 5.0	< 7.50	< 5.0	18.3	< 5.0	< 6.20
TSS (mg/L) Influent Average Monthly	151.0	129	259	175	193	264	172	204	178	283	280	289
Fecal Coliform (CFU/100 ml) Geometric Mean	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Fecal Coliform (CFU/100 ml) Instantaneous Maximum	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	24
Ammonia (mg/L) Average Monthly	0.41	0.46	1.08	1.62	1.02	0.37	< 0.10	< 0.15	< 0.16	< 0.10	0.15	< 0.10

Compliance History

Effluent Violations for Outfall 001, from: August 1, 2020 To: June 30, 2021

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
TSS	09/30/20	Avg Mo	18.3	mg/L	10	mg/L

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** .012
Latitude 39º 43' 42" **Longitude** -76º 1' 5"
Wastewater Description: Treated 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)

Comments: Per Chesapeake Bay Guidance this facility is considered as non-significant and does not required to monitor.

Water Quality-Based Limitations/ Best Professional Judgment (BPJ) Limitations

The following limitations were determined through water quality modeling (output files attached):

Parameter	Limit (mg/l)	SBC	Model
CBOD5	25	Average Monthly	WQM 7.0
Dissolved Oxygen	5	Minimum	WQM 7.0
NH3-N	1.74	Average Monthly	WQM 7.0

The following limitations are recommended for the draft permit:

Parameter	Limit (mg/l)	SBC	Model
CBOD5(05/01 to 10/31)	10	Average Monthly	Existing Limit/dry swale guidance
CBOD5(11/01 to 4/30)	20	Average Monthly	Existing/Seasonal limit
TSS	10	Average Monthly	Existing Limit/dry swale guidance
Dissolved Oxygen	5	Inst. Minimum	WQM 7.0
NH3-N (5/1 to 10/31) *	2.0	Average Monthly	WQM 7.0
NH3-N (11/1 to 4/31) *	6.0	Average Monthly	WQM/Seasonal limit
pH	6.0 to 9.0 STD at all times		Chapter 95/93
Fecal Coliform (5/1 to 9/30)	# 200/1000	Geo. Mean / IMax.	Existing limit/Chapter 92a

Fecal Coliform (10/1 to 4/30)	# 2000/10,000	Geo. Mean / IMax	Existing limit/Chapter 92a
TRC	0.34	Average Monthly	Previous spreadsheet
Total N	Report	Average Monthly	SOP
Total Phosphorus	Report	Average Monthly	SOP
E-Coli	Report	Inst. Maximum	SOP

* The only change in the limit is for NH3-N, from the previous permit due to the WQM modelling.

See the below report:

Input Data WQM 7.0

SWP Basin	Stream Code	Stream Name	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope (ft/ft)	PWS Withdrawal (mgd)	Apply FC
07K	6848	Trib 06848 to Northeast Creek	**1.140**	440.00	0.15	0.00000	0.00	☑

Stream Data

Design Cond.	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	Tributary pH	Stream Temp (°C)	Stream pH
Q7-10	0.200	0.00	0.00	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
Martins MHV STP	PA0053970	0.0000	0.1200	0.0000	0.000	25.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	25.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	25.00	0.00	0.00	0.70

Input Data WQM 7.0

SWP Basin	Stream Code	Stream Name	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope (ft/ft)	PWS Withdrawal (mgd)	Apply FC
07K	6848	Trib 06848 to Northeast Creek	**0.960**	350.00	0.96	0.00000	0.00	☑

Stream Data

Design Cond.	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	Tributary pH	Stream Temp (°C)	Stream pH
Q7-10	0.200	0.00	0.00	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
		0.0000	0.0000	0.0000	0.000	25.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	25.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	25.00	0.00	0.00	0.70

WQM 7.0 Hydrodynamic Outputs

SWP Basin: 07K **Stream Code:** 6848 **Stream Name:** Trib 06848 to Northeast Creek

RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Analysis Flow (cfs)	Reach Slope (ft/ft)	Depth (ft)	Width (ft)	W/D Ratio	Velocity (fps)	Reach Trav Time (days)	Analysis Temp (°C)	Analysis pH
Q7-10 Flow												
1.140	0.03	0.00	0.03	.1856	0.09470	.479	2.61	5.46	0.17	0.064	24.30	7.00
Q1-10 Flow												
1.140	0.02	0.00	0.02	.1856	0.09470	NA	NA	NA	0.17	0.066	24.53	7.00
Q30-10 Flow												
1.140	0.04	0.00	0.04	.1856	0.09470	NA	NA	NA	0.18	0.062	24.10	7.00

WQM 7.0 Modeling Specifications

Parameters	Both	Use Inputted Q1-10 and Q30-10 Flows	☑
WLA Method	EMPR	Use Inputted W/D Ratio	☐
Q1-10/Q7-10 Ratio	0.64	Use Inputted Reach Travel Times	☐
Q30-10/Q7-10 Ratio	1.36	Temperature Adjust Kr	☑
D.O. Saturation	90.00%	Use Balanced Technology	☑
D.O. Goal	5		

WQM 7.0 Wasteload Allocations

SWP Basin	Stream Code	Stream Name
07K	6848	Trib 06848 to Northeast Creek

NH3-N Acute Allocations

RMI	Discharge Name	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multiple Criterion (mg/L)	Multiple WLA (mg/L)	Critical Reach	Percent Reduction
1.140	Martins MHV ST	6.99	7.71	6.99	7.71	0	0

NH3-N Chronic Allocations

RMI	Discharge Name	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multiple Criterion (mg/L)	Multiple WLA (mg/L)	Critical Reach	Percent Reduction
1.140	Martins MHV ST	1.43	1.74	1.43	1.74	0	0

Dissolved Oxygen Allocations

RMI	Discharge Name	CBOD5		NH3-N		Dissolved Oxygen		Critical Reach	Percent Reduction
		Baseline (mg/L)	Multiple (mg/L)	Baseline (mg/L)	Multiple (mg/L)	Baseline (mg/L)	Multiple (mg/L)		
1.14	Martins MHV STP	25	25	1.74	1.74	5	5	0	0

WQM 7.0 D.O.Simulation

SWP Basin	Stream Code	Stream Name
07K	6848	Trib 06848 to Northeast Creek

RMI	Total Discharge Flow (mgd)	Analysis Temperature (°C)	Analysis pH
1.140	0.120	24.304	7.000
Reach Width (ft)	**Reach Depth (ft)**	**Reach WDRatio**	**Reach Velocity (fps)**
2.613	0.479	5.458	0.172
Reach CBOD5 (mg/L)	**Reach Kc (1/days)**	**Reach NH3-N (mg/L)**	**Reach Kn (1/days)**
21.80	1.480	1.50	0.975
Reach DO (mg/L)	**Reach Kr (1/days)**	**Kr Equation**	**Reach DO Goal (mg/L)**
5.451	28.922	Owens	5
Reach Travel Time (days)			
0.064			

Subreach Results

TravTime (days)	CBOD5 (mg/L)	NH3-N (mg/L)	D.O. (mg/L)
0.006	21.55	1.49	5.58
0.013	21.30	1.48	5.69
0.019	21.06	1.47	5.79
0.026	20.82	1.46	5.87
0.032	20.58	1.45	5.95
0.038	20.35	1.45	6.01
0.045	20.11	1.44	6.07
0.051	19.88	1.43	6.13
0.057	19.66	1.42	6.17
0.064	19.43	1.41	6.22

WQM 7.0 Effluent Limits

SWP Basin	Stream Code	Stream Name
07K	6848	Trib 06848 to Northeast Creek

RMI	Name	Permit Number	Disc Flow (mgd)	Parameter	Effl. Limit 30-day Ave. (mg/L)	Effl. Limit Maximum (mg/L)	Effl. Limit Minimum (mg/L)
1.140	Martins MHV STP	PA0053970	0.000	CBOD5	25		
				NH3-N	1.74	3.48	
				Dissolved Oxygen			5

TRC_CALC.XLS

1A	B	C	D	E	F	G
2	**TRC EVALUATION**		3.1	**Enter Facility Name**	**Martins MHP STP**	
3	Input appropriate values in B4:B8 and E4:E7				**Perkiomen Crossing STP PA0025976**	
4	0.03	= Q stream (cfs)		0.5	= CV Daily	
5	0.012	= Q discharge (MGD)		0.5	= CV Hourly	
6	4	= no. samples		1	= AFC_Partial Mix Factor	
7	0.3	= Chlorine Demand of Stream		1	= CFC_Partial Mix Factor	
8	0	= Chlorine Demand of Discharge		15	= AFC_Criteria Compliance Time (min)	
9	0.5	= BAT/BPJ Value		720	= CFC_Criteria Compliance Time (min)	
	0	= % Factor of Safety (FOS)			=Decay Coefficient (K)	
10	Source	Reference	AFC Calculations		Reference	CFC Calculations
11	TRC	1.3.2.iii	WLA afc = 0.535		1.3.2.iii	WLA cfc = 0.514
12	PENTOXSD TRG	5.1a	LTAMULT afc = 0.373		5.1c	LTAMULT cfc = 0.581
13	PENTOXSD TRG	5.1b	LTA_afc= 0.199		5.1d	LTA_cfc = 0.299
14						
15	Source		Effluent Limit Calculations			
16	PENTOXSD TRG	5.1f	AML MULT = 1.720			
17	PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) = 0.343		AFC	
18			INST MAX LIMIT (mg/l) = 0.802			

WLA afc	(.019/e(-k*AFC_tc)) + [(AFC_Yc*Qs*.019/Qd*e(-k*AFC_tc))...
	...+ Xd + (AFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)
LTAMULT afc	EXP((0.5*LN(cvh^2+1))-2.326*LN(cvh^2+1)^0.5)
LTA_afc	wla_afc*LTAMULT_afc
WLA_cfc	(.011/e(-k*CFC_tc) + [(CFC_Yc*Qs*.011/Qd*e(-k*CFC_tc))...
	...+ Xd + (CFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)
LTAMULT_cfc	EXP((0.5*LN(cvd^2/no_samples+1))-2.326*LN(cvd^2/no_samples+1)^0.5)
LTA_cfc	wla_cfc*LTAMULT_cfc
AML MULT	EXP(2.326*LN((cvd^2/no_samples+1)^0.5)-0.5*LN(cvd^2/no_samples+1))
AVG MON LIMIT	MIN(BAT_BPJ,MIN(LTA_afc,LTA_cfc)*AML_MULT)
INST MAX LIMIT	1.5*((av_mon_limit/AML_MULT)/LTAMULT_afc)

Anti-Backsliding

N/A

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" (362-0400-001), 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	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/week	Estimate
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	0.34	XXX	0.8	1/day	Grab
CBOD5 Nov 1 - Apr 30	2.00	XXX	XXX	20	XXX	40	2/month	8-Hr Composite
CBOD5 May 1 - Oct 31	1.00	XXX	XXX	10	XXX	20	2/month	8-Hr Composite
BOD5 Raw Sewage Influent	XXX	XXX	XXX	Report	XXX	XXX	2/month	8-Hr Composite
TSS	1.00	XXX	XXX	10	XXX	20	2/month	8-Hr Composite
TSS Raw Sewage Influent	XXX	XXX	XXX	Report	XXX	XXX	2/month	8-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	2/month	8-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	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Ammonia Nov 1 - Apr 30	0.60	XXX	XXX	6.0	XXX	12.0	2/month	8-Hr Composite
Ammonia May 1 - Oct 31	0.20	XXX	XXX	2.0	XXX	4.0	2/month	8-Hr Composite
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	2/month	8-Hr Composite