pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0113743**
Facility Type	**Municipal**	APS ID	**987184**
Major / Minor	**Minor**	Authorization ID	**1262872**

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Applicant and Facility Information

Applicant Name	**Grove Township**	Facility Name	**Crestline WWTP**
Applicant Address	246 Railroad Street	Facility Address	115 Crestline Drive
	Sinnamahoning, PA 15861-1621		Sinnamahoning, PA 15861-1621
Applicant Contact	Brandie Sherry	Facility Contact	Robert Bushor
Applicant Phone	814-546-2606	Facility Phone	814-546-2615
Client ID	43970	Site ID	245335
Ch 94 Load Status	Not Overloaded	Municipality	Grove Township
Connection Status	No Limitations	County	Cameron
Date Application Received	February 19, 2019	EPA Waived?	Yes
Date Application Accepted	March 07, 2019	If No, Reason	N/A
Purpose of Application	Renewal of NPDES permit		

Summary of Review

INTRODUCTION

Brandie Sherry, Secretary/Treasurer for Grove Township, has proposed the renewal of the existing National Pollution Discharge Elimination System (NPDES) authorizing the discharge from the Crestline Wastewater Treatment Plant (WWTP) serving the Crestline subdivision.

APPLICATION

Sherry, the client contact for this application, submitted the *National Pollutant Discharge Elimination System (NPDES) Application for Individual Permit to Discharge Sewage Effluent from Small Flow Treatment Facilities* (DEP #3800-PM-WSFR0018b). This application was received by the Department on February 19, 2019 and was considered administratively complete on March 07, 2019. Additional contact information is (fax) 814-546-2606 and (email) grovetownship@windstream.net. The site contact is Robert Bushor, Plant Operator for Grove Township.

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.

The case file, permit application package and the draft permit will be available for public review at the Department's Northcentral Regional Office. The address is 208 West Third Street, Suite 101, Williamsport, PA 17701. An appointment can be made to review these materials during the comment period by calling the file coordinator at 570-327-3636.

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Approve	Deny	Signatures	Date
		Jeffrey J. Gocek, EIT — Project Manager	
		Nicholas W. Hartranft, PE — Environmental Engineer Manager	

DISCHARGE, RECEIVING WATERS AND WATER SUPPLY INFORMATION

Outfall No.	001	Design Flow (MGD)	0.0019
Latitude	41° 19' 03.80"	Longitude	-78° 05' 30.23"
Quad Name	Sinnemahoning, PA	Quad Code	0821
Wastewater Description:	Sewage Effluent		
Receiving Waters	Sinnemahoning Creek (WWF)	Stream Code	24008
NHD Com ID	61430528	RMI	13.19
Drainage Area	694	Yield (cfs/mi^2)	0.0212
Q_{7-10} Flow (cfs)	14.619	Q_{7-10} Basis	Gage #1543500
Elevation (ft)	789	Slope (ft/ft)	N/A
Watershed No.	8-A	Chapter 93 Class.	WWF, MF
Existing Use	N/A	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	None
Assessment Status	Impaired		
Cause(s) of Impairment	Other Habitat Alterations		
Source(s) of Impairment	Abandoned Mine Drainage		
TMDL Status	Not Required	Name	N/A
Nearest Downstream Public Water Supply Intake	Pennsylvania-American Water Company at Milton, PA		
PWS Waters	West Branch Susquehanna River	Flow at Intake (cfs)	1740
PWS RMI	10.6	Distance from Outfall (mi)	112

$Q_{7,10}$ DETERMINATION

The $Q_{7,10}$ is the lowest seven consecutive days of flow in a 10-year period and is used for modeling wastewater treatment plant discharges. 25 PA § 96.1 defines $Q_{7,10}$ as "the actual or estimated lowest seven consecutive day average flow that occurs once in 10 years for a stream with unregulated flow or the estimated minimum flow for a stream with regulated flow".

A nearby stream gage, "Sinnemahoning Creek at Sinnemahoning, PA" (USGS #1543500), is located just upstream of the discharge. A $Q_{7,10}$ flow for that gage (14.5 CFS) was obtained from *"Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania"* (USGS Open Files Report 2011-1070). Knowing the drainage area at the discharge (694 mi^2) and both the drainage area (685 mi^2) and the $Q_{7,10}$ (14.5 CFS) at the reference gage, the $Q_{7,10}$ at the discharge was calculated by the ratio method to be 14.69 CFS.

See Attachment 01 for the $Q_{7,10}$ determination.

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TREATMENT FACILITY SUMMARY

The Grove Township wastewater treatment plant (WWTP), which serves the Crestline Subdivision, consists of individual septic tanks at each residence, a 1,000 gallon settling tank, a 650 gallon dosing tank (with two 4 inch siphons), two 1,050 square foot sand filters (lined with 20 mil polyethylene liner), erosion chlorinator (Sanuril Model 100), and a 120 gallon baffled chlorine contact tank.

The system was originally designed for nine residences. Currently there are seven residences, two of which are seasonal. Flow is alternately dosed to the one of the two sand filters. The (unlicensed) operator, a local resident, regularly estimates the flow at 500 gallons per day.

See Attachment 02 for a map of the WWTP location.

WWTP characteristics are as follows.

Waste Type	Degree of Treatment	Process Type	Disinfection	Annual Average Flow (MGD)
Sewage	Secondary	Septic Tank/Sand Filter	Erosion Chlorination	0.0019
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.00237	Undetermined	Not Overloaded	None	Landfill

This design was first approved by Water Quality Management (WQM) permit #1287402, which was issued March 24, 1988.

This permit was amended on September 6, 2007 (#1287402 A-1) to approve the hydraulic rerate of the facility in order to eliminate the requirement for a licensed operator since flows have never exceeded 1,000 gallons per day. Due to the rerate, this facility can now be considered a small flow treatment facility (SFTF). Following a review of the Department's file, it does not appear any data was submitted to justify the associated claim that flows for the SFTF have never exceeded 1,000 gallons per day. The Department does not have accurate flow data since the required sample type has historically been "report" with an assumed value of 500 gallons per day reported each month by the permittee.

The original design of this system was to serve 9 residences. Assuming a per capita flow of 100 gallons per day, as specified in the Department's *Domestic Wastewater Facilities Manual* (1997, #362-0300-001) and an assumed 2.5 person per residence multiplier, a 250 gallon per day flow can be attributed to each of the equivalent dwelling units (EDUs). With the planned 9 EDUs, it can be assumed that the SFTF would need to treat at least 2,250 gallons per day. With the current 7 EDUs, the SFTF would need to treat at least 1,750 gallons per day.

COMPLIANCE HISTORY

The WMS Query *Open Violations for Client by Permit Number* revealed no open violations for Grove Township.

The most recent Department inspection, a compliance evaluation inspection (CEI), was conducted June 29, 2017. At the time of the inspection, all required treatment units were online and operational. No impact to the receiving stream was observed. Failure to monitor Dissolved Oxygen, Ammonia, Total Nitrogen and Total Phosphorus was listed as a violation of the permit Part A. It was determined that the unlicensed operator was utilizing an old Discharge Monitoring Report (DMR) form. A follow-up inspection was performed July 26, 2017.

DMR data; from November 2018 to October 2019, is presented in the table below.

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Parameter	OCT-19	SEP-19	AUG-19	JUL-19	JUN-19	MAY-19	APR-19	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18
Flow (MGD) Average Monthly	0.0005	0.0005	0.0005	0.0005	0.0005					0.0005	0.0005	0.0005
Flow (MGD) Weekly Average	0.0005	0.0005	0.0005	0.0005	0.0005					0.0005	0.0005	0.0005
pH (S.U.) Minimum	6.6	6.2	6.8	6.6	6.5	6.4	6.3	6.4		6.5	6.5	6.6
pH (S.U.) Instantaneous Maximum	7.0	6.8	7.0	6.9	6.8	6.9	6.8	6.7		6.9	6.9	6.8
DO (mg/L) Minimum	4.7	4.6	4.6	4.7	4.6	4.7	4.6	4.5		4.6	4.6	4.6
TRC (mg/L) Average Monthly	0.09	0.08	0.09	0.10	0.08	0.09	0.07	0.09		0.09	0.09	0.09
CBOD5 (lbs/day) Average Monthly	< 4.0	4.0	4.0	2.0	2.0	2.0	< 2.0	< 3.0			0.0008	0.0008
CBOD5 (lbs/day) Weekly Average	< 4.0	4.0	3.0	2.0	2.0	2.0	< 2.0	< 3.0			0.0008	0.0008
CBOD5 (mg/L) Average Monthly	4.0	< 4.0	4.0	3.0	3.0	2.0	< 2.0	< 3.0		< 2.0	< 2.0	< 2.0
CBOD5 (mg/L) Weekly Average	4.0	4.0	3.0	3.0	3.0	2.0	< 2.0	< 3.0		< 2.0	< 2.0	< 2.0
BOD5 (lbs/day) Raw Sewage Influent Average Monthly	< 120	24	3.0	40	24	36	67	0.57		84	103	39
BOD5 (lbs/day) Raw Sewage Influent Weekly Average	< 120	24	3.0	40	24	36	67	0.57		84	103	39
BOD5 (mg/L) Raw Sewage Influent Average Monthly	120	41	< 3.0	110	80	24	24	57		84	103	39
TSS (lbs/day) Raw Sewage Influent Average Monthly	< 2.0	2.0	< 3.0	3.0	3.0	3.0	3.0	< 3.0		< 4.0	5.0	< 2.0
TSS (lbs/day) Raw Sewage Influent Weekly Average	< 2.0	2.0	< 3.0	3.0	3.0	3.0	3.0	< 3.0		< 4.0	5.0	< 2.0
TSS (mg/L) Raw Sewage Influent Average Monthly	2.0	< 2.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0		< 4.0	5.0	< 2.0
TSS (lbs/day) Average Monthly	0.0008	2.0	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008		0.0008	0.0008	0.0008
TSS (lbs/day) Weekly Average	0.008	2.0	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008		0.0008	0.0008	0.008
TSS (mg/L) Average Monthly	< 2.0	< 2.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0		4.0	5.0	< 2.0
TSS (mg/L) Weekly Average	< 2.0	< 2.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0		4.0	5.0	< 2.0
Fecal Coliform (CFU/100 ml) Average Monthly	0.38	< 10	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0
Fecal Coliform (CFU/100 ml) Instantaneous Maximum	0.38	10	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0
Ammonia (lbs/day) Average Monthly		< 0.40										
Ammonia (mg/L) Average Monthly		0.40			< 0.4					< 0.4		

NOTE: This data appears “suspect”. Calculations are not being performed properly as mass and concentration values are the same. A licensed operator may be needed to remedy these inconsistencies.

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EXISTING PERMIT LIMITATIONS

The following limitations were established at the last renewal issuance which occurred September 15, 2014.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass (lb/day)		Concentration (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Average Weekly	Instant. Maximum		
Flow	Report	Report	XXX	XXX	XXX	XXX	1/Week	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/Week	Grab
Fecal Coliform (#/100mL) *05/01-09/30*	XXX	XXX	XXX	200	XXX	1,000	1/Month	Grab
Fecal Coliform (#/100mL) *10/01-04/30*	XXX	XXX	XXX	2,000	XXX	10,000	1/Month	Grab
BOD_5 *Raw Sewage Influent*	Report	Report	XXX	Report	XXX	XXX	1/Month	Grab
Total Suspended Solids *Raw Sewage Influent*	Report	Report	XXX	Report	XXX	XXX	1/Month	Grab
$CBOD_5$	Report	Report	XXX	25	40	50	1/Month	Grab
Total Suspended Solids	Report	Report	XXX	30	45	60	1/Month	Grab
Total Residual Chlorine	XXX	XXX	XXX	1.0	XXX	2.3	1/Week	Grab
Ammonia-N	XXX	XXX	XXX	Report	XXX	XXX	1/Quarter	Grab
Total Nitrogen	Report	XXX	XXX	Report	XXX	XXX	1/Year	Grab
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX	1/Year	Grab
Dissolved Oxygen	XXX	XXX	4.0	XXX	XXX	XXX	1/Week	Grab

DEVELOPMENT OF EFFLUENT LIMITATIONS

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)

Total Residual Chlorine

The Department's *TRC_CALC spreadsheet* is a model used to evaluate Total Residual Chlorine (TRC) effluent limitations. This model determines applicable acute and chronic wasteload allocations (WLAs) for TRC based on the data supplied by the user and then compares the WLAs to the technology-based average monthly limit using the procedures described in the EPA Technical Support Document (for Water Quality-based Toxics Control).

Parameter	Effluent Limitations (mg/L)	
	Monthly Average	IMAX
Total Residual Chlorine	0.50	1.635

DMR data indicates the WWTF is capable of meeting the more stringent TRC limitation.

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See Attachment 03 for the TRC_CALC output.

Water Quality-Based Limitations

$CBOD_5$, NH_3-N and DO

WQM 7.0 for Windows is a DEP computer model used to determine wasteload allocations and effluent limitations for $CBOD_5$, NH_3-N and DO for single and multiple point source discharge scenarios. This model simulates two basic processes. The NH_3-N module simulates the mixing and degradation of NH_3-N in the stream and compares calculated instream NH_3-N concentrations to the water quality criteria. The DO module simulates the mixing and consumption of DO in the stream due to degradation of $CBOD_5$ and NH_3-N and compares the calculated instream DO concentrations to the water quality criteria. The model then determines the highest pollutant loading the stream can assimilate and still meet water quality under design conditions.

This model recommended the following limitations.

Parameter	Effluent Limitations (mg/L)		
	30 Day Average	Maximum	Minimum
$CBOD_5$	25		
NH_3-N	25	50	
DO			3.0

See Attachment 04 for the WQM model output.

Best Professional Judgment (BPJ) Limitations

In the absence of applicable effluent guidelines for the discharge or pollutant, permit writers must identify and/or develop needed technology-based effluent limitations (TBELs) TBELs on a case-by-case basis, in accordance with the statutory factors specified in the Clean Water Act.

The existing BPJ limitation for Dissolved Oxygen (DO) is being continued. A limitation of 4.0 mg/L (as a minimum) is used to ensure adequate operation and maintenance.

Anti-Backsliding

In order to comply with 40 CFR § 122.44(l) (anti-backsliding requirements), the Department must issue a renewed permit with limitations as stringent as that the of the previous permit.

No less stringent limitations are proposed.

DEVELOPMENT OF EFFLUENT MONITORING

Ammonia-Nitrogen

Since the WQM 7.0 model did not recommend effluent limitations more stringent than the technology-based requirement of 25 mg/L, quarterly monitoring will be required in order to quantify the concentrations of ammonia-nitrogen (NH_3-N) in the effluent.

Chesapeake Bay Total Maximum Daily Load (TMDL)

Despite 25 years of extensive restoration efforts, the Chesapeake Bay Total Maximum Daily Load (TMDL) was prompted by insufficient progress and continued poor water quality in the Chesapeake Bay and its tidal tributaries. This TMDL, required by the Clean Water Act, is the largest ever developed by the Environmental Protection Agency (EPA). This document identifies the necessary pollution reductions of nitrogen, phosphorus and sediment across Delaware, Maryland, New York, Virginia, West Virginia, District of Columbia and Pennsylvania. It also sets pollution limits necessary to meet applicable water quality standards in the Bay, tidal rivers and embayments.

Pennsylvania explains how and when it will meet its pollution allocations in its Watershed Implementation Plan (WIP), which is incorporated into the TMDL. Pennsylvania's permitting strategy for significant dischargers has been outlined in the Phase I WIP and incorporated in the Phase II WIP by reference, and imposes Total Nitrogen (TN) and Total Phosphorus (TP) cap loads on the significant dischargers.

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Because the design flow of this facility is less than 0.2 MGD, the Department considers this a Phase 5 sewage facility (for the purposes of implementing the Chesapeake Bay TMDL). This system has a design flow of 0.00237 MGD. According to the Department's *Supplement to Phase II Watershed Implementation Plan* (revised March 6, 2014) renewed Phase 5 NPDES permits are required to contain monitoring and reporting for Total Nitrogen (TN) and Total Phosphorus (TP) throughout the permit term at a frequency no less than annually.

Influent Monitoring

In order to adequately characterize the influent wastewater, monitoring of influent Biochemical Oxygen Demand (BOD_5) and Total Suspended Solids (TSS) will be required at the current frequency of 1/Month.

RECEIVING STREAM

Stream Characteristics

The receiving stream, via a drainage ditch, is Sinnemahoning Creek. According to 25 PA § 93.9L, this stream is protected for Warm Water Fishes (WWF) and Migratory Fishes (MF). These are the streams *Designated Uses*, which is defined in 25 PA § 93.1 as "those uses specified in §§ 93.9a – 93.9z for each waterbody or segment whether or not the use is being attained". Designated uses are regulations promulgated by the Environmental Quality Board (EQB) throughout the rulemaking process. This stream currently has no *Existing Use*. Existing Use is defined in 25 PA § 93.1 as "those uses actually attained in the waterbody on or after November 28, 1975 whether or not they are included in the water quality standards".

Sinnemahoning Creek is identified by Department stream code 24008. The stream is located in (Chapter 93) drainage list L and State Water Plan 8A (Sinnemahoning Creek).

Impairment

Department data indicates that this Unnamed Tributary to Susquehanna River is attaining its designated uses for supporting (1) aquatic life, (2) fish consumption and (3) recreation.

FLOW MEASUREMENT

As described above, this facility has not been measuring flow. The Department is requiring the installation of flow measurement equipment. The following compliance dates are subject to change and will be finalized at the issuance.

Milestone	Due Date (Approximate)
Submit WQM Permit Application	March 01, 2021
Compliance with Permit Requirement	March 01, 2022

The data collected from flow measurement will allow the Department to determine:

1. if this system can be properly rerated to a small flow treatment facility (SFTF), which will not need the services of a certified operator and
2. It will allow for proper mass loadings to be calculated.

At the next permit renewal, if not sooner due to compliance concerns, the rerate will be revisited and the Department will make an informed decision regarding the need for a certified operator.

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ADDITIONAL CONSIDERATIONS

Changes to Permit

The Weekly Average reporting requirements and effluent limitations have been removed since the associated parameters have a 1/Month minimum measurement frequency.

Hauled-In Wastes

According to the application materials, the Grove Township WWTP has not received hauled-in wastes during the past three years and does not anticipate receiving hauled-in wastes in the next five years.

Whole Effluent Toxicity (WET) Testing

According to the application materials, the Grove Township WWTP does not accept wastewater from industrial or commercial users. Because of this, a WET test evaluation is not required.

Rounding of Limitations

Limitations have been rounded in accordance with the Department's *Technical Guidance for the Development and Specification of Effluent Limitations and Other Permit Conditions in NPDES Permits* (#362-0400-001).

Limit Multipliers

The instantaneous maximum limitations have been calculated using multipliers of 2.0 (for conventional pollutants) and 2.5 (for toxic pollutants) for determining the monthly average. This practice is in accordance with the Department's *Technical Guidance for the Development and Specification of Effluent Limitations and Other Permit Conditions in NPDES Permits* (#362-0400-001).

Sample Frequencies and Types

The sample type and minimum measurement frequencies are in accordance with the Department's *Technical Guidance for the Development and Specification of Effluent Limitations and Other Permit Conditions in NPDES Permits* (#362-0400-001).

Standard Operating Procedures (SOPs)

The review of this permit application was performed in accordance with the Department's *SOP for New and Reissuance Sewage Individual NPDES Permit Applications* and *SOP for Establishing Effluent Limitations for Individual Sewage Permits* (SOP #BPNPSM-PMT-033).

Special Permit Conditions

Septic Tank Maintenance
Total Residual Chlorine Minimization
Stormwater Prohibition
Approval Contingencies
Proper Waste Disposal
Dry Stream Discharge
Municipal Treatment Availability
Requirements for Flow Measurement

Supplemental Discharge Monitoring Reports

Daily Effluent Monitoring
Non-Compliance Reporting
Lab Accreditation

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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.

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

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass (lb/day)		Concentration (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Average Weekly	Instant. Maximum		
Flow INTERIM	Report	XXX	XXX	XXX	XXX	XXX	1/Week	Estimate
Flow FINAL(1)	Report	XXX	XXX	XXX	XXX	XXX	1/Week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/Week	Grab
Fecal Coliform (#/100mL) *05/01-09/30*	XXX	XXX	XXX	200	XXX	1,000	1/Month	Grab
Fecal Coliform (#/100mL) *10/01-04/30*	XXX	XXX	XXX	2,000	XXX	10,000	1/Month	Grab
BOD_5 *Raw Sewage Influent*	Report	XXX	XXX	Report	XXX	XXX	1/Month	Grab
Total Suspended Solids *Raw Sewage Influent*	Report	XXX	XXX	Report	XXX	XXX	1/Month	Grab
$CBOD_5$	Report	XXX	XXX	25	XXX	50	1/Month	Grab
Total Suspended Solids	Report	XXX	XXX	30	XXX	60	1/Month	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.5	XXX	1.6	1/Week	Grab
Ammonia-N	XXX	XXX	XXX	Report	XXX	XXX	1/Quarter	Grab
Total Nitrogen	Report	XXX	XXX	Report	XXX	XXX	1/Year	Grab
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX	1/Year	Grab
Dissolved Oxygen	XXX	XXX	4.0	XXX	XXX	XXX	1/Week	Grab

(1) – Final Flow required sample type of WEIR will be required 2 years from permit effective date.

END of Fact Sheet.