

# Southcentral Regional Office CLEAN WATER PROGRAM

PA0281760

NPDES:

Application Type	New	NPDES PERMIT FACT SHEET	Application No.	WQM: 671940
Wastewater Type	Sewage	INDIVIDUAL SFTF/SRSTP	APS ID	993091
Facility Type	SRSTP		Authorization ID	1276703
		Applicant Facility and Project Information		

Applicant Name	AJ H	ome Solutions	Facility Name	<b>Lower Windsor York County</b>
Applicant Address	1000	North Prince Street	Facility Address	175 Hakes Hollow Road
	Lanca	aster, PA 17603		Wrightsville, PA 17368
Applicant Contact	Andy	Frey	Facility Contact	Andy Frey
Applicant Phone	(717)	799-0189	Facility Phone	(717) 799-0189
Client ID	34976	67	Site ID	836420
SIC Code	8811		Municipality	Lower Windsor Township
SIC Description	Servi	ces - Private Households	County	York
Date Application Rec	eived	June 13, 2019	WQM Required	
Date Application Accepted		June 17, 2019	WQM App. No.	6719406

# **Summary of Review**

Approve	Deny	Signatures	Date
		Nicholas Hong, P.E. / Environmental Engineering Specialist	
Х			July 15, 2019
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria Bebenek, P.E. / Environmental Program Manager	

## **Summary of Review**

The application submitted by the applicant requests a new NPDES/WQM permit for the AJ Home Solutions, LLC located at 175 Hakes Hollow Road, Wrightsville, PA 17368 in York County, municipality of Lower Windsor Township. The application was received by DEP Southcentral Regional Office (SCRO) on June 13, 2019. The corresponding WQM permit number to this NPDES permit is 6719406.

The purpose of this Fact Sheet is to present the basis of information used for establishing the proposed NPDES permit effluent limitations. The Fact Sheet includes a description of the facility, a description of the facility's receiving waters, and a description of the facility's attainment/non-attainment assessment status. Section 5 provides the justification for the proposed NPDES effluent limits derived from technology based effluent limits (TBEL), water quality based effluent limits (WQBEL), total maximum daily loading (TMDL), antidegradation, anti-backsliding, and/or whole effluent toxicity (WET). A brief summary of the outlined descriptions has been included in the Summary of Review section.

The subject facility is a 0.0004 MGD treatment facility. The NPDES application has been processed as a Small Treatment Facility due to the type of sewage and the design flow rate for the facility. The applicant disclosed the Act 14 requirement to the York County Planning Commission and the Lower Windsor Township and the notice was received by the parties on May 24, 2019. A planning approval letter was issued by DEP on March 26, 2019.

Utilizing the DEP's web-based Emap-PA information system, the receiving waters has been determined to be Fishing Creek. The sequence of receiving streams that Fishing Creek discharges into are the Susquehanna River which eventually drains into the Chesapeake Bay. Due to the flow rate generated by the facility, the subject site is not subject to the Chesapeake Bay implementation requirements. The receiving water has protected water usage for migratory fishes and trout stocking fishes. No Class A Wild Trout fisheries are impacted by this discharge. The absence of high quality and/or exceptional value surface waters removes the need for an additional evaluation of anti-degradation requirements.

Fishing Creek is a Category 2 stream listed in the 2016 Integrated List of All Waters (formerly 303d Listed Streams). This stream is an attaining stream that supports aquatic life. The receiving waters is not subject to a total maximum daily load (TMDL) plan to improve water quality in the subject facility's watershed.

The proposed permit will expire five (5) years from the effective date.

Based on the review in this report, it is recommended that the permit be drafted. 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.

Any additional information or public review of documents associated with the discharge or facility may be available at PA DEP Southcentral Regional Office (SCRO), 909 Elmerton Avenue, Harrisburg, PA 17110. To make an appointment for file review, contact the SCRO File Review Coordinator at 717.705.4700.

#### 1.0 Applicant

## **1.1 General Information**

This fact sheet summarizes PA Department of Environmental Protection's review for the NPDES renewal for the following subject facility.

Facility Name: AJ Home Solutions, LLC.

NPDES Permit # PA0281760

Physical Address: 175 Hakes Hollow Road

Wrightsville, PA 17368

Mailing Address: 1000 North Prince Street

Lancaster, PA 17603

Contact: Andy Frey

Consultant: Jack Powell, PE

Jack N. Powell, PE, Inc. 355 Winding Lane East Berlin, PA 17316

717-259-9831

jacknpowellpe@gmail.com

## **1.2 Permit History**

The facility has a dwelling that has an existing septic tank and conventional absorption area which has failed. The SEO claims that the site has steep slopes, isolations distances limitations, and rock outcrops eliminating the possibility for a replacement absorption area. This facility submitted the application for a new NPDES/WQM permit(s) for a surface water discharge.

The permit application included:

- NPDES application
- WQM application with Module 16 (Small Flow Treatment Facility)
- Design Engineers Report
- Operations and Maintenance Manual

## 2.0 Treatment Facility Summary

#### 2.1 Site location

The physical address for the facility is 175 Hakes Hollow Road, Wrightsville, PA 17368. A topographical and an aerial photograph of the facility are depicted as Figure 1 and Figure 2.

Figure 1: Topographical map of the subject facility

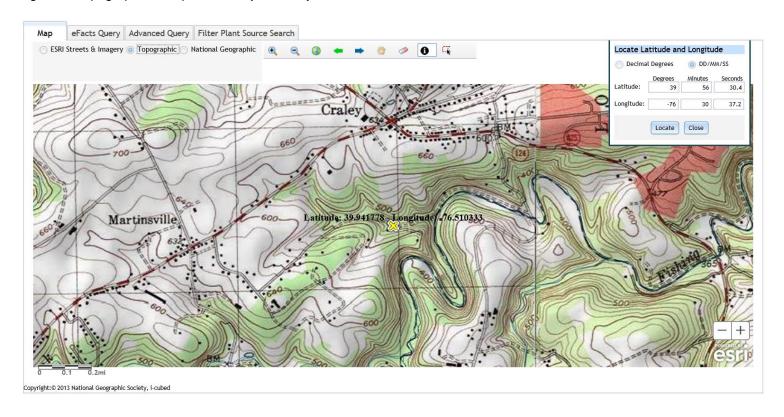
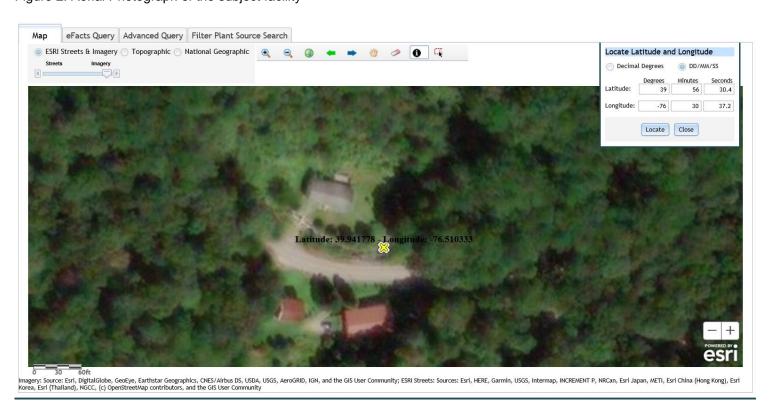


Figure 2: Aerial Photograph of the subject facility



#### 2.2 Description of Wastewater Treatment Process

The subject facility is a 0.0004 MGD (400 GPD) design flow facility. The subject facility treats wastewater using an existing 1,000-gal septic tank, an effluent filter, an EC7-500 Ecoflo coco filter, and disinfection using a Salcor 3G UV light prior to discharge through the outfall. The facility will be evaluated for flow, CBOD5, TSS, and fecal coliform.

The treatment process is summarized in the table.

	Treatment Facility Summary							
reatment Facility Name: SRSTP AJ Home Solutions LLC								
WQM Permit No.	Issuance Date							
6719406	TBD							
	Dograp of			Ava Annual				
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)				
Sewage	Tertiary	ECOFLO Coco Filter	Ultraviolet	0.0004				
Hydraulic Capacity Organic Capacity Biosolids								
Hydraulic Capacity (MGD)	Organic Capacity (Ibs/day)	Load Status	Biosolids Treatment	Use/Disposal				
0.0004		Not Overloaded		-				

# 2.3 Facility Outfall Information

The facility has the following outfall information.

 Outfall No.
 001
 Design Flow (MGD)
 .0004

 Latitude
 39° 56′ 30.40″
 Longitude
 -76° 30′ 37.20″

 Wastewater Description:
 Sewage Effluent

## 3.0 Receiving Waters and Water Supply Information Detail Summary

## 3.1 Receiving Waters

The receiving waters has been determined to be Fishing Creek. The sequence of receiving streams that Fishing Creek discharges into are the Susquehanna River which eventually drains into the Chesapeake Bay.

#### 3.2 Public Water Supply (PWS) Intake

The closest PWS to the subject facility is Red Lion Municipal Authority (PWS ID #7670086) located approximately 5.9 miles downstream of the subject facility on the Susquehanna River. Based upon the distance and the flow rate of the facility, the PWS should not be impacted.

#### 3.3 Class A Wild Trout Streams

Class A Wild Trout Streams are waters that support a population of naturally produced trout of sufficient size and abundance to support long-term and rewarding sport fishery. DEP classifies these waters as high-quality coldwater fisheries.

The information obtained from EMAP suggests that no Class A Wild Trout Fishery will be impacted by this discharge.

#### 3.4 2016 Integrated List of All Waters (303d Listed Streams)

Section 303(d) of the Clean Water Act requires States to list all impaired surface waters not supporting uses even after appropriate and required water pollution control technologies have been applied. The 303(d) list includes the reason for

impairment which may be one or more point sources (i.e. industrial or sewage discharges) or non-point sources (i.e. abandoned mine lands or agricultural runoff and the pollutant causing the impairment such as metals, pH, mercury or siltation).

States or the U.S. Environmental Protection Agency (EPA) must determine the conditions that would return the water to a condition that meets water quality standards. As a follow-up to listing, the state or EPA must develop a Total Maximum Daily Load (TMDL) for each waterbody on the list. A TMDL identifies allowable pollutant loads to a waterbody from both point and non-point sources that will prevent a violation of water quality standards. A TMDL also includes a margin of safety to ensure protection of the water.

The water quality status of Pennsylvania's waters uses a five-part categorization (lists) of waters per their attainment use status. The categories represent varying levels of attainment, ranging from Category 1, where all designated water uses are met to Category 5 where impairment by pollutants requires a TMDL for water quality protection.

The receiving waters is listed in the 2016 Pennsylvania Integrated Water Quality Monitoring and Assessment Report as a Category 2 waterbody. The surface waters is an attaining stream that supports aquatic life. The designated use has been classified as protected waters for trout stocking fishes and migratory fishes.

#### 3.5 Low Flow Stream Conditions

Water quality modeling estimates are based upon conservative data inputs. The data are typically estimated using either a stream gauge or through USGS web based StreamStats program. The NPDES effluent limits are based upon the combined flows from both the stream and the facility discharge.

A conservative approach to estimate the impact of the facility discharge using values which minimize the total combined volume of the stream and the facility discharge. The volumetric flow rate for the stream is based upon the seven-day, 10-year low flow (Q710) which is the lowest estimated flow rate of the stream during a 7 consecutive day period that occurs once in 10 year time period. The facility discharge is based upon a known design capacity of the subject facility.

EMAP did not show an active gauge station or WQN downstream from the facility to the Pennsylvania/Maryland border. StreamStats was utilized to estimate drainage area and Q710 stream flow.

Outfall No.         001         Design Flow (MGD)         .0004           Latitude         39Ű 56′ 23.81″         Longitude         -76Ű 30′ 33.51″           Quad Code         Wastewater Description: Sewage Effluent           Receiving Waters Fishing Creek (TSF, MF)         Stream Code         7836           NHD Com ID         57468207         RMI         3.6           Drainage Area         15.1         Yield (cfs/mi²)         0.29           Q7-10 Flow (cfs)         4.51         Qr-10 Basis         StreamStats           Elevation (ft)         Slope (ft/ft)         Watershed No.         7-1         Chapter 93 Class.         TSF, MF           Existing Use         Same as Chapter 93 class         Existing Use Qualifier         Exceptions to Criteria           Assessment Status         Attaining Use(s) supports aquatic life         Cause(s) of Impairment         Not applicable           Source(s) of Impairment         Not applicable         Name           Background/Ambient Data         Not appl.           Hardness (mg/L)         Not appl.           Hardness (mg/L)         Not appl.           Hardness (mg/L)         Not appl.           PWS RMI         35    Data Code  Testing Creek (TSF, MF)  Stream Code  Testing Creek (TSF, MF)  Stream Code  Te	3.6 Summary of Discharge	e, Receiving Waters and W	later Supply Information		
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PWS Waters Susquehanna River Flow at Intake (cfs)	, <b>.</b> ,				
PWS Waters Susquehanna River Flow at Intake (cfs)					
	Nearest Downstream Pul	olic Water Supply Intake	Red Lion Municipal Authority		
PWS RMI 35 Distance from Outfall (mi) 5.9	PWS Waters Susqu	ehanna River	Flow at Intake (cfs)		
	PWS RMI 35		Distance from Outfall (mi)	5.9	

# 4.0: Overview of Presiding Water Quality Standards

# 4.1 General

There are at least six (6) different policies which determines the effluent performance limits for the NPDES permit. The policies are technology based effluent limits (TBEL), water quality based effluent limits (WQBEL), antidegradation, total maximum daily loading (TMDL), anti-backsliding, and whole effluent toxicity (WET) The effluent performance limitations enforced are the selected permit limits that is most protective to the designated use of the receiving waters. An overview of each of the policies that are applicable to the subject facility has been presented in Section 4.

## 4.2 Technology-Based Limitations

TBEL treatment requirements under section 301(b) of the Act represent the minimum level of control that must be imposed in a permit issued under section 402 of the Act (40 CFR 125.3). Small flow treatment facilities are confined to permit limitations promulgated by the Small Flow Treatment Facilities Manual (Document # 36-0300-002) and the SOP- New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Application (Revised January 13, 2015).

The permit limitations and monitoring requirements are summarized in the table.

Parameter	Avg Mo IMAX		Sample Type	Frequency: SRSTPs	
Flow (GPD)	Flow (GPD) Report XXX		Estimate	1/year	
BOD5 (mg/l)	10	20	Grab	1/year	
TSS (mg/l)	10	20	Grab	1/year	
Fecal Coliform (No/100 ml)	200 Geo Me	ometric ean	Grab	1/year	

## 4.3 Water Quality-Based Limitations

WQBEL are based on the need to attain or maintain the water quality criteria and to assure protection of designated and existing uses (PA Code 25, Chapter 92a.2). The subject facility that is typically enforced is the more stringent limit of either the TBEL or the WQBEL.

Determination of WQBEL is calculated by spreadsheet analysis or by a computer modeling program developed by DEP. DEP permit engineers utilize the following computing programs for WQBEL permit limitations: (1) MS Excel worksheet for Total Residual Chorine (TRC); (2) WQM 7.0 for Windows Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen Version 1.0 (WQM Model) and (3) PENTOXSD for Windows 2.0 (PENTOXSD) for Toxics pollutants.

## 4.3.1 Water Quality Modeling 7.0

The facility is not subject to WQM modeling.

#### 4.3.2 PENTOXSD Modeling

The facility is not subject to PENTOXSD.

# 4.3.3 Whole Effluent Toxicity (WET)

The facility is not subject to WET.

## 4.4 Total Maximum Daily Loading (TMDL)

#### 4.4.1 TMDL

The goal of the Clean Water Act (CWA), which governs water pollution, is to ensure that all of the Nation's waters are clean and healthy enough to support aquatic life and recreation. To achieve this goal, the CWA created programs designed to regulate and reduce the amount of pollution entering United States waters. Section 303(d) of the CWA requires states to assess their waterbodies to identify those not meeting water quality standards. If a waterbody is not meeting standards, it is listed as impaired and reported to the U.S. Environmental Protection Agency. The state then develops a plan to clean up the impaired waterbody. This plan includes the development of a Total Maximum Daily Load (TMDL) for the pollutant(s) that were found to be the cause of the water quality violations. A Total Maximum Daily Load (tmdl) calculates the maximum amount of a specific pollutant that a waterbody can receive and still meet water quality standards.

Pennsylvania has committed to restoring all impaired waters by developing TMDLs and TMDL alternatives for all impaired waterbodies. The TMDL serves as the starting point or planning tool for restoring water quality.

#### 4.4.1.1 Local TMDL

The subject facility does not discharge into a local TMDL.

## 4.4.1.2 Chesapeake Bay TMDL Requirement

The Chesapeake Bay Watershed is a large ecosystem that encompasses approximately 64,000 square miles in Maryland, Delaware, Virginia, West Virginia, Pennsylvania, New York and the District of Columbia. An ecosystem is composed of interrelated parts that interact with each other to form a whole. All of the plants and animals in an ecosystem depend on each other in some way. Every living thing needs a healthy ecosystem to survive. Human activities affect the Chesapeake Bay ecosystem by adding pollution, using resources and changing the character of the land.

Most of the Chesapeake Bay and many of its tidal tributaries have been listed as impaired under Section 303(d) of the federal Water Pollution Control Act ("Clean Water Act"), 33 U.S.C. § 1313(d). While the Chesapeake Bay is outside the boundaries of Pennsylvania, more than half of the State lies within the watershed. Two major rivers in Pennsylvania are part of the Chesapeake Bay Watershed. They are (a) the Susquehanna River and (b) the Potomac River. These two rivers total 40 percent of the entire Chesapeake Bay watershed.

The overall management approach needed for reducing nitrogen, phosphorus and sediment are provided in the Bay TMDL document and the Phase I and II WIPs which is described in the Bay TMDL document and Executive Order 13508.

The Bay TMDL is a comprehensive pollution reduction effort in the Chesapeake Bay watershed identifying the necessary pollution reductions of nitrogen, phosphorus and sediment across the seven Bay watershed jurisdictions of Delaware, Maryland, New York, Pennsylvania, Virginia, West Virginia and the District of Columbia to meet applicable water quality standards in the Bay and its tidal waters.

The Watershed Implementation Plans (WIPs) provides objectives for how the jurisdictions in partnership with federal and local governments will achieve the Bay TMDL's nutrient and sediment allocations. The jurisdictions have developed or will develop WIPs over three Phases.

Phase I and Phase II WIPs were developed and submitted to EPA in 2010 and 2012 for objectives to be implemented by 2017 and 2025 to achieve applicable water quality standards. The Phase II WIPs build on the initial Phase I WIPs platform by providing more specific local actions. In 2018, Phase III WIPs will be developed to include further actions for jurisdictions to implement between 2018 and 2025.

Section 7 of the Phase II WIP describes Pennsylvania's strategy for reducing nutrients to the Chesapeake Bay from wastewater facilities. The supplement to Section 7 of the Phase II WIP provides an update on Chesapeake Bay TMDL implementation activities for point sources and DEP's current implementation strategy for wastewater. The supplement is updated periodically to

reflect changes due to PA DEP's permit actions as well as changes to strategies in managing the wastewater sector's allocated loads under the TMDL. The latest revision of the supplement was October 14, 2016.

The Chesapeake Bay TMDL (Appendix Q) categorizes point sources into four sectors

- Sector A- significant sewage dischargers;
- Sector B- significant industrial waste (IW) dischargers;
- Sector C- non-significant dischargers (both sewage and IW facilities); and
- Sector D- combined sewer overflows (CSOs).

All sectors contain a listing of individual facilities with NPDES permits that were believed to be discharging at the time the TMDL was published (2010). All sectors with the exception of the non-significant dischargers have individual wasteload allocations (WLAs) for TN and TP assigned to specific facilities. Non-significant dischargers have a bulk or aggregate allocation for TN and TP based on the facilities in that sector that were believed to be discharging at that time and their estimated nutrient loads.

Based upon the supplement the subject facility has been categorized as a Sector C discharger. The supplement defines Sector C a sewage facility is considered non-significant dischargers if it is a Phase 4 facility or Phase 5 facility having a specified flow rate (i.e. Phase 4 facility ≥ 0.2 MGD and < 0.4 MGD, Phase 5 facility > 0.002 MGD and < 0.2 MGD), a small flow/single residence sewage treatment facilities (≤ 0.002 MGD), or a non-significant IW facilities. These facilities may be covered by statewide general permits or may have individual NPDES permits.

Currently, there are approximately 1,000 Phase 4 and 5 sewage facilities and approximately 740 small flow sewage treatment facilities covered by the general permit. There are also approximately 600 non-significant IW facilities.

Due to the flow rate generated by the facility, this facility is not subject to Sector C monitoring requirements.

## 4.5 Anti-Degradation Requirement

Chapter 93.4a of the PA regulations requires that surface water of the Commonwealth of Pennsylvania may not be degraded below levels that protect the existing uses. The regulations specifically state that *Existing instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected.* Antidegradation requirements are implemented through DEP's guidance manual entitled Water Quality Antidegradation Implementation Guidance (Document #391-0300-02).

The policy requires DEP to protect the existing uses of all surface waters and the existing quality of High Quality (HQ) and Exceptional Value (EV) Waters. Existing uses are protected when DEP makes a final decision on any permit or approval for an activity that may affect a protected use. Existing uses are protected based upon DEP's evaluation of the best available information (which satisfies DEP protocols and Quality Assurance/Quality Control (QA/QC) procedures) that indicates the protected use of the waterbody.

For a new, additional, or increased point source discharge to an HQ or EV water, the person proposing the discharge is required to utilize a nondischarge alternative that is cost-effective and environmentally sound when compared with the cost of the proposed discharge. If a nondischarge alternative is not cost-effective and environmentally sound, the person must use the best available combination of treatment, pollution prevention, and wastewater reuse technologies and assure that any discharge is nondegrading. In the case of HQ waters, DEP may find that after satisfaction of intergovernmental coordination and public participation requirements lower water quality is necessary to accommodate important economic or social development in the area in which the waters are located. In addition, DEP will assure that cost-effective and reasonable best management practices for nonpoint source control in HQ and EV waters are achieved.

The subject facility's discharge will be to a non-special protection waters and the permit conditions are imposed to protect existing instream water quality and uses. Neither HQ waters or EV waters is impacted by this discharge.

## 4.6 Anti-Backsliding

Anti-backsliding is a federal regulation which prohibits a permit from being renewed, reissued, or modified containing effluent limitations which are less stringent than the comparable effluent limitations in the previous permit (40 CFR 122.I.1 and 40 CFR 122.I.2). While this is not applicable to the facility for the initial issuance of this NPDES permit, it may be implemented in future renewals.

## **5.0 NPDES Parameter Details**

The basis for the proposed sampling and their monitoring frequency that will appear in the permit for each individual parameter are itemized in this Section. The final limits are the more stringent of technology based effluent treatment (TBEL) requirements, water quality based (WQBEL) limits, TMDL, antidegradation, anti-degradation, or WET.

The reader will find in this section:

- a) a justification of recommended permit monitoring requirements and limitations for each parameter in the proposed NPDES permit; and
- b) a summary of the proposed NPDES effluent limits.

## 5.1 Recommended Monitoring Requirements and Effluent Limitations

A summary of the recommended monitoring requirements and effluent limitations are itemized in the tables. The tables are categorized by Conventional Pollutants and Disinfection

### 5.1.1 Conventional Pollutants and Disinfection

	Summary of Proposed NPDES Parameter Details for Conventional Pollutants and Disinfection							
	AJ Home Solutions Residence, PA0281760							
Donomotor	Permit Limitation		Recommendation					
Parameter	Required by <sup>1</sup> :		Recommendation					
		Monitoring:	The monitoring frequency shall be 1x/yr as a grab sample (SOP)					
CBOD	TBEL	Effluent Limit:	Effluent limits shall not exceed 10 mg/l as an average monthly (SOP)					
		Rationale:	The monitoring frequency and the effluent limits assigned by the SOP.					
		Monitoring:	The monitoring frequency shall be 1x/yr as a grab sample (SOP).					
TSS		Effluent Limit:	Effluent limits shall not exceed 10 mg/l as an average monthly (SOP)					
		Rationale:	The monitoring frequency and the effluent limits assigned by the SOP.					
Fecal		Monitoring:	The monitoring frequency shall be 1x/yr as a grab sample (SOP).					
Coliform	TBEL	Effluent Limit:	Effluent limits shall not exceed 200 MPN as a geometric mean (SOP).					
Comorm		Rationale:	The monitoring frequency and the effluent limits assigned by the SOP.					
Notes:								

- 1 The NPDES permit was limited by (a) anti-Backsliding, (b) Anti-Degradation, (c) SOP, (d) TBEL, (e) TMDL, (f) WQBEL, or (g) WET
- 2 Monitoring frequency based on flow rate of 0.0004 MGD.
- 3 SOP, New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications, Revised January 13, 2015
- 4 Water Quality Antidegradation Implementation Guidance (Document # 391-0300-002)
- 5 Phase 2 Watershed Implementation Plan Wastewater Supplement, Revised September 6, 2017

# **5.3 Summary of Proposed NPDES Effluent Limits**

The proposed NPDES effluent limitations are summarized in the table below.

PAR'	TA - EFFLUENT LIMITA	ATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS
I. A.	For Outfall 001	_, Latitude <u>39° 56' 30.40"</u> , Longitude <u>76° 30' 37.20"</u> , River Mile Index <u>3.6</u> , Stream Code <u>7836</u>
	Receiving Waters:	Fishing Creek (TSF, MF)
	Type of Effluent:	Sewage Effluent

<sup>2.</sup> Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

	Effluent Limitations						Monitoring Red	Monitoring Requirements	
Parameter	Mass Units (lbs/day) (1)		Concentrations (mg/L)			Minimum (2)	Required		
r arameter	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum	Measurement Frequency	Sample Type	
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate	
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab	
TSS	xxx	XXX	XXX	10.0	XXX	20.0	1/year	Grab	
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 001

<sup>1.</sup> The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.