pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southcentral Regional Office
CLEAN WATER PROGRAM

NPDES/WQM PERMITS FACT SHEET INDIVIDUAL SFTF/SRSTP

Application Type	**Renewal & Transfer**	Application No.	**PA0261386 & WQM 2109406 T-1**
Wastewater Type	**Sewage**	APS ID	**1003906**
Facility Type	**SRSTP**	Authorization ID	**1297718 & 1292268 WQM**

Applicant, Facility and Project Information

Applicant Name	**Justin Webb**	Facility Name	**Justin Webb Kendor Summit Lot 11 Properties**
Applicant Address	220 Shatto Drive	Facility Address	220 Shatto Drive
	Carlisle, PA 17013-0121		Carlisle, PA 17013-2121
Applicant Contact	Justin Webb	Facility Contact	Justin Webb
Applicant Phone	(540) 798-6283	Facility Phone	(540) 798-6283
Client ID	353056	Site ID	714827
SIC Code	4952	Municipality	North Middleton Township
SIC Description	Trans. & Utilities - Sewerage Systems	County	Cumberland
Date Application Received	October 15, 2019	WQM Required	
Date Application Accepted	October 30, 2019	WQM App. No.	2109406 T-1

Project Description: NPDES permit renewal and transfer.

Summary of Review

Mr. Webb submitted NPDES permit renewal and transfer applications. They are for reissuance small flow treatment facility (SFTF) of NPDES permit located in North Middleton Township, Cumberland County, and for transfer to reflect a change in ownership from Mr. Albert C. Kuhn to Mr. Justin Webb. The last permit renewal was issued on February 20, 2015 and became effective on March 1, 2015. The permit will expire on February 29, 2020. The design flow is 0.0005 MGD.

The WQM Part II permit No. 2109406 was issued on November 17, 2009. It will be transferred in conjunction with issuance of the final NPDES permit.

Changes in this renewal: Unit of Fecal Coliform will be changed from CFU/100 ml to No./100 ml.

The eDMR registration form is not applicable.

Based on the review, it is recommended that the permit be drafted. A notice of the draft permit will be published in the *Pennsylvania Bulletin* in the near future for public comments for 30 days.

Approve	Deny	Signatures	Date
X		Hilary H. Le / Environmental Engineering Specialist	December 4, 2019
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria D. Bebenek, P.E. / Clean Water Program Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0005
Latitude	40º 13' 21.54"	Longitude	-77º 12' 54.36"
Quad Name	Carlisle	Quad Code	
Wastewater Description:	Sewage Effluent		
Receiving Waters	Conodoguinet Creek (WWF)	Stream Code	10194
NHD Com ID	56406381	RMI	40.84 miles
Drainage Area	370 mi.^{2}	Yield (cfs/mi^2)	0.12 cfs/mi.^{2}
Q_{7-10} Flow (cfs)	46.1	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	413	Slope (ft/ft)	
Watershed No.	07B	Chapter 93 Class.	Warm Water Fishes
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Wrightsville Borough Municipal Authority, York County		
PWS Waters	Susquehanna River	Flow at Intake (cfs)	
PWS RMI	28.5 miles	Distance from Outfall (mi)	Approximate 69.4 miles

Changes Since Last Permit Issuance:

Drainage Area/Stream Flows:
The discharge will be to Conodoguinet Creek at 40.84 RMI. A drainage area upstream of the point of discharge is estimated to be 370 mi.^{2}, according to USGS StreamStats available at https://streamstats.usgs.gov/ss/. USGS StreamStats also produced a Q7-10 flow of 46.1 cfs at the point of discharge.

Conodoguinet Creek
Under 25 Pa Code §93.9o, Conodoguinet Creek is designated as Warm-Water Fishes. DEP's 2016 integrated water quality report indicates that the receiving stream near the point of discharge is impaired for organic enrichment as a result of unknown source. No TMDL has been developed yet to address this impairment. Conodoguinet Creek does not support a Class A Wild Trout fishery. Therefore, no Class A Wild Trout fishery is impacted by this discharge.

Public Water Supply Intake
According to DEP's eMapPA available at http://www.depgis.state.pa.us/emappa/, the nearest downstream public water supply intake is Wrightsville Borough Municipal Authority, York County located on Susquehanna River, approximately 69.4 miles from the point of discharge. Given the nature and distance, the proposed discharge is not expected to impact the water supply.

Compliance History

Summary of DMRs: No Annual Maintenance Report is available as the facility is currently vacant.

Summary of Inspections: No inspection was conducted since the last permit issuance.

Other Comments: There is currently no open violation associated with the discharge.

Treatment Facility Summary

The SFTF will serve a 4-bedroom house (500 GPD). The treatment system will consist of a 1,250-gallon two-compartment septic tank with an effluent filter (Zabel filter), a STB-650 Ecoflo peat filter, and a 250-gallon chlorine contact tank with a Jet-Chlor Model 100 tablet chlorinator. The Water Quality Management (WQM) permit was issued on November 17, 2009 (WQM Permit No. 2109406).

It is recommended, based on best professional judgment (BPJ), that the monitoring requirements for all parameters will remain in the proposed permit.

Chesapeake Bay Requirements
No nutrient monitoring requirement is recommended for this facility. Facilities that are designed based on a flow of less than or equal to 2,000 GPD or considered as SRSTPs are exempt from the Bay requirements.

Total Maximum Daily Load (TMDL)
The discharge is located in a stream segment listed as attaining uses; therefore no TMDL has been taken into consideration during this review.

Anti-Degradation Requirements
The discharge is to non-special protection waters/watershed. No HQ/EV waters are impacted by this discharge. The effluent limits for this discharge have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected.

Other Considerations
No Class A Wild Trout Fishery is impacted by this discharge.

Existing Effluent Limitations and Monitoring Requirements

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	2/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/year	Grab
Total Residual Chlorine	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	2/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10	XXX	20	2/year	Grab
Fecal Coliform (CFU/100 ml)	XXX	XXX	XXX	200 Geo Mean			2/year	Grab

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	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	2/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/year	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
$CBOD_5$	XXX	XXX	XXX	10.0	XXX	20.0	2/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	2/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	2/year	Grab

Compliance Sampling Location:

Other Comments:

Topographic of the facility.