

Application Type Amendment, Major  
 Facility Type Municipal  
 Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0050466 A-1  
 APS ID 1088448  
 Authorization ID 1439609

**Applicant and Facility Information**

Applicant Name	<u>East Vincent Township</u>	Facility Name	<u>Veterans Center STP</u>
Applicant Address	<u>262 Ridge Road</u> <u>Spring City, PA 19475-2203</u>	Facility Address	<u>6130 Kit Road Unit 4</u> <u>Pipersville, PA 18947-1800</u>
Applicant Contact	<u>Catherine Ricardo</u>	Facility Contact	<u>John Scully</u>
Applicant Phone	<u>(610) 933-4424</u>	Facility Phone	<u>(215) 766-2626</u>
Client ID	<u>77296</u>	Site ID	<u>239549</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>East Vincent Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Chester</u>
Date Application Received	<u>April 3, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Amending NPDES permit due to increase of the annual ave flow from 325,000 gpd to 330,000 gpd</u>		

**Summary of Review**

Herbert, Rowland & Grubic, Inc. (HRC) on behalf of the applicant has submitted a major NPDES permit amendment application to increase annual average flow from 325,000 gpd to 330,000 gpd to be discharged to Unnamed Tributary of Schuylkill River. The initial application was submitted in April 2023, addendum to application submitted on 6/14/2023.

HRC. has indicated that no changes in Hydraulic Design Capacity (0.400 MGD) nor to Organic Design Capacity (814 lbs) has requested. Followings are submitted:

The annual average flow of 0.325 MGD was originally calculated to allow for a 1.23 peaking factor above the annual average without exceeding the 0.400 MGD Hydraulic Design Capacity. Based on actual flows, the ratio of the average flow for the 3 maximum flow months in a year to the annual average flow has been less than 1.23. The greatest ratio observed is 1.21, which occurred in calendar year 2021. Using a ratio of 1.21 results in an annual average flow capacity of 0.330 MGD. This rerating of the annual average flow is not anticipated to cause a Hydraulic Overload.

Rerating the annual average flow from 0.325 MGD to 0.330 MGD, while keeping the Organic Design Capacity at 813 lbs. per day, equates to an average of BOD5 concentration of 295 mg/l. The average influent BOD5 concentration is well below 295 mg/l, so there is no concern that the increase in annual average flow will lead to an Organic Overload.

Approve	Deny	Signatures	Date
X		<i>Begay Omuralieva</i> Begay Omuralieva / Environmental Engineering Specialist	June 15, 2023
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	06/15/2023

### Summary of Review

In summary, the requested rerate from 0.325 MGD to 0.330 MGD represents a less than 2% increase in the annual average flow at the wastewater treatment plant. However, this increase in annual average flow will allow the Soltys Seven Stars Road Subdivision to have sewage treatment capacity allocated to it, thereby allowing the housing development to proceed.

Based on the submission, rerate will be reflected in the proposed draft permit p. 4 -Supplemental information (2). All effluent limits and monitoring requirements remain as on recently renewed permit except for mass loading to reflect increased annual ave flow listed on p.3 and 4 of this factsheet.

### 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.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Daily 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
Dissolved Oxygen	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	27.5	41.3	XXX	10.0	15.0	20	1/week	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) Raw Sewage Influent	XXX	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Biochemical Oxygen Demand (BOD5) Raw Sewage Influent	XXX	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Total Suspended Solids	27.5	41.3	XXX	10.0	15.0	20	1/week	24-Hr Composite
Total Suspended Solids Raw Sewage Influent	XXX	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	1000.0	2000.0 Daily Max	2500	1/month	24-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab

Outfall001 , Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Daily Minimum	Average Monthly	Weekly Average	Instant. Maximum		
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	1/quarter	Grab
Total Nitrogen	27.5	XXX	XXX	10.0	XXX	20	1/week	24-Hr Composite
Ammonia-Nitrogen	4.13	XXX	XXX	1.5	XXX	3	1/week	24-Hr Composite
Total Phosphorus Nov 1 - Mar 31	5.50	XXX	XXX	2.0	XXX	4	1/week	24-Hr Composite
Total Phosphorus Apr 1 - Oct 31	4.13	XXX	XXX	1.5	XXX	3	1/week	24-Hr Composite
Ultraviolet light dosage (mWsec/cm <sup>2</sup> )	XXX	XXX	Report	XXX	XXX	XXX	1/day	Metered

Compliance Sampling Location: Outfall 001

Other Comments: none