

Application Type Renewal  
Facility Type Non-Municipal  
Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0051454  
APS ID 1054790  
Authorization ID 1381696

**Applicant and Facility Information**

Applicant Name	<u>John Alfonse</u>	Facility Name	<u>Alfonse Property</u>
Applicant Address	<u>7002 Carls Hill Road</u> <u>Zionsville, PA 18092</u>	Facility Address	<u>1055 West Germantown Pike</u> <u>Norristown, PA 19401</u>
Applicant Contact	<u>John Alfonse</u>	Facility Contact	<u>Steve Chernesky</u>
Applicant Phone	<u>(484) 213-1226</u>	Facility Phone	<u>(610) 389-3505</u>
Client ID	<u>236440</u>	Site ID	<u>462145</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>East Norriton Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Montgomery</u>
Date Application Received	<u>January 12, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Permit Renewal.</u>		

**Summary of Review**

Permittee requests renewal of a NPDES permit to discharge 0.00146 mgd of treated sewage effluent from a small flow treatment facility serving the Alfonse Property, located at 1055 W. Germantown Pike. The package plant receives sewage from a small industrial complex. The permitted flow is 0.00146 million gallons per day.

Treatment Plant consists of a comminutor/bar screen, activated sludge aeration tank, clarifier, distribution tank, sand filters, and chlorine contact tank. The treated effluent is discharged to a dry/intermittent stream that flows to an unnamed tributary to Stony Creek, which is designated as a trout stocking fishery. There were few effluent limit violations for Dissolved Oxygen, Ammonia and Fecal coliform in the past few years. The effluent limits for all the parameters are rolled over from the previous permit.

Sludge use and disposal description and location(s): Sludge is disposed of via waste hauler.

Act-14 Notification to East Norriton Township on December 30, 2021.

Act-14 Notification to Montgomery County Commissioners on December 30, 2021.

Approve	Deny	Signatures	Date
X		<i>Ketan Thaker</i> Ketan Thaker / Project Manager	3/10/2022
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	03/10/2022

**Summary of Review**

Following are effluent limits:

PARAMETER	EFFLUENT LIMIT in mg/l	BASIS
CBOD5	25	25 Pa Code 92a.47
Total Suspended Solids	30	25 Pa Code 92a.47
Dissolved Oxygen	5.0	BPJ, previous permit
Total Residual Chlorine	Report	25 Pa Code 92a.47-48, previous permit
Ammonia as N	1.5	BPJ, previous permit
pH (S.U.)	6.0 – 9.0 SU at all times	25 Pa Code 92a.47, 95.2
Fecal Coliform (No./100 ml)	200 Geo. Mean	25 Pa Code 92a.47

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.

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.00146</u>
Latitude	<u>40° 9' 29.32"</u>	Longitude	<u>-75° 22' 4.39"</u>
Quad Name	<u>Lansdale</u>	Quad Code	<u>1743</u>
Wastewater Description: <u>Sewage Effluent</u>			

Receiving Waters	<u>Unnamed Tributary of Stony Creek (TSF, MF)</u>	Stream Code	<u>00957</u>
NHD Com ID	<u>25979222</u>	RMI	<u>0.75</u>
Drainage Area	<u>&lt;0.1 mi2</u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u></u>	Q <sub>7-10</sub> Basis	<u>Dry/intermittent swale</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>3-F</u>	Chapter 93 Class.	<u>TSF, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>

Assessment Status	<u>Impaired</u>
Cause(s) of Impairment	<u>CAUSE UNKNOWN, FLOW REGIME MODIFICATION, SILTATION HABITAT MODIFICATION - OTHER THAN HYDROMODIFICATION, HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED), REMOVAL OF RIPARIAN VEGETATION, RURAL (RESIDENTIAL AREAS)</u>
Source(s) of Impairment	<u></u>

TMDL Status	<u></u>	Name	<u></u>
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Background/Ambient Data		Data Source
pH (SU)	<u></u>	<u></u>
Temperature (°F)	<u></u>	<u></u>
Hardness (mg/L)	<u></u>	<u></u>
Other:	<u></u>	<u></u>

Nearest Downstream Public Water Supply Intake		<u></u>
PWS Waters	<u></u>	Flow at Intake (cfs) <u></u>
PWS RMI	<u></u>	Distance from Outfall (mi) <u></u>

Treatment Facility Summary				
Treatment Facility Name: Alfonse Property				
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage			Gas Chlorine	0.0015
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
		Not Overloaded		

Compliance History

DMR Data for Outfall 001 (from January 1, 2021 to December 31, 2021)

Parameter	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21
Flow (MGD) Average Monthly	0.0003	0.0003	0.0004	0.00036	0.0003	0.0004	0.057	0.0466	0.00060 8	0.0006	0.0006	0.00056
pH (S.U.) Instantaneous Minimum	7.36	7.59	7.26	7.04	7.12	7.32	7.0	7.2	7.17	7.2	7.2	7.5
pH (S.U.) Instantaneous Maximum	7.93	7.98	7.68	7.75	7.49	7.68	7.68	7.6	7.89	7.6	7.9	7.9
DO (mg/L) Instantaneous Minimum	7.02	6.93	6.3	6.0	5.79	5.9	6.4	6.82	7.59	7.8	9.5	9.8
TRC (mg/L) Average Monthly	0.25	0.28	0.38	0.2	0.27	0.45	0.4	0.18	0.52	0.38	0.13	1.0
TRC (mg/L) Instantaneous Maximum	0.51	0.8	1.27	0.48	0.75	1.28	1.02	0.37	1.1	2.0	0.31	2.2
CBOD5 (mg/L) Average Monthly	< 2.4	< 2.0	< 2.0	< 2.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.6	6	< 2	< 3
TSS (mg/L) Average Monthly	2.5	< 1.0	3.5	17.0	3.5	< 1.0	< 1	2.5	7.0	< 1	10	< 3
Fecal Coliform (No./100 ml) Geometric Mean	< 2	< 2	< 2	< 10	9	< 15	< 5	< 2	< 2	< 2	< 15	< 1
Fecal Coliform (No./100 ml) Instantaneous Maximum	< 2	< 2	< 2	48	16	310	11	< 2	< 2	< 2	116	< 2
Ammonia (mg/L) Average Monthly	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.4

**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	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/week	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/week	Grab
TRC	XXX	XXX	XXX	Report	XXX	Report	1/week	Grab
CBOD5 Nov 1 - Apr 30	XXX	XXX	XXX	25	XXX	50	2/month	8-Hr Composite
CBOD5 May 1 - Oct 31	XXX	XXX	XXX	20	XXX	40	2/month	8-Hr Composite
TSS	XXX	XXX	XXX	30	XXX	60	2/month	8-Hr Composite
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	4.5	XXX	9	2/month	8-Hr Composite
Ammonia May 1 - Oct 31	XXX	XXX	XXX	1.5	XXX	3	2/month	8-Hr Composite