

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

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0058785
 APS ID 1044625
 Authorization ID 1363882

Applicant and Facility Information

Applicant Name	<u>Gregory A & Marian B Gans</u>	Facility Name	<u>Gans SRSTP</u>
Applicant Address	<u>196 Springton Road</u> <u>Glenmoore, PA 19343-1162</u>	Facility Address	<u>196 Springton Road</u> <u>Glenmoore, PA 19343-1162</u>
Applicant Contact	<u>Gregory & Marian Gans</u>	Facility Contact	<u>Gregory & Marian Gans</u>
Applicant Phone	<u>(484) 354-1623</u>	Facility Phone	<u>(484) 354-1623</u>
Client ID	<u>248791</u>	Site ID	<u>626448</u>
Ch 94 Load Status	<u></u>	Municipality	<u>West Brandywine Township</u>
Connection Status	<u></u>	County	<u>Chester</u>
Date Application Received	<u>July 23, 2021</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

The applicant requests approval for renewal of an NPDES permit to discharge treated sewage from Gans SRSTP.

This discharge is in the Christina River Basin and there is a low-flow TMDL for Nutrients and Dissolved Oxygen issued by EPA on January 19, 2001 and revised in October 2002 and April 2006. Also, there are high-flow TMDLs for Bacteria and Sediment and for Nutrients and Low Dissolved Oxygen. This SRSTP doesn't have any WLAs assigned in the TMDLs.

This permit is not required to send for EPA review.

WQM permit 1503427 is associated with this treatment plant. The system consists of an EndoServer extended aeration package treatment plant equipped with a UV disinfection system.

The effluent limits in the existing permit are carried over to the draft permit as follows:

<u>Parameter</u>	<u>Limits (mg/l)</u>
DO	3.0 (inst. Min.)
CBOD5 (Nov 1 - Apr 30)	20.0
CBOD5 ((May 1-Oct 31)	10.0
TSS	10.0
Ammonia (May 1- Oct 31	3.0
Ammonia (Nov 1- Apr 30)	9.0
Fecal Coliform	200/100 ml
pH	6.0 to 9.0 std

Approve	Deny	Signatures	Date
X		<i>Sara Abraham</i> Sara Reji Abraham, E.I.T. / Project Manager	August 19, 2021
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	08/19/2021

Summary of Review

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.

Act 14 Notifications:

West Brandywine Township - August 16, 2021
Chester County - August 16, 2021

Permit Conditions:

- A. AMR Submission
- B. DMR Submission
- C. Septage and Scum Measurement
- D. Septic Tank Pumping
- E. No Stormwater Condition
- F. Acquire Necessary Property Rights
- G. Small Stream Discharge
- H. Proper Sludge Disposal
- I. Phase Out When Municipal Sewers Available
- J. Chlorine Disinfection as Backup
- K. UV Cleaning

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>40° 3' 32.66"</u>	Longitude	<u>-75° 47' 39.61"</u>
Quad Name	<u>Wagontown</u>	Quad Code	<u>1839</u>
Wastewater Description: <u>Treated Sewage Effluent</u>			
Receiving Waters	<u>UNT to Culbertson Run (HQ-TSF, MF) (East Brandywine watershed)</u>	Stream Code	<u>00357</u>
NHD Com ID	<u>26105632</u>	RMI	<u>1.0</u>
Drainage Area	<u>0.24mi²</u>		
Q ₇₋₁₀ Flow (cfs)	<u>Dry/intermittent</u>	Q ₇₋₁₀ Basis	<u>Previous fact sheet</u>
Watershed No.	<u>3-H</u>	Chapter 93 Class.	<u>HQ-TSF, MF</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>habitat alterations, siltation</u>		
Source(s) of Impairment	<u>agriculture, habitat modification - other than hydromodification</u>		
TMDL Status	<u>Final, 07/07/2006</u>	Name	<u>Christina River Basin</u>

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 (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
DO	XXX	XXX	3.0 Inst Min	XXX	XXX	XXX	1/year	Grab
CBOD5 Nov 1 - Apr 30	XXX	XXX	XXX	20.0	XXX	40.0	1/year	Grab
CBOD5 May 1 - Oct 31	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	1000	1/year	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	9.0	XXX	18.0	1/year	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	3.0	XXX	6.0	1/year	Grab