

Application Type           **New**            
Wastewater Type           **Sewage**            
Facility Type           **SRSTP**          

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SFTF/SRSTP**

Application No.           **PA0233081**            
APS ID           **1023135**            
Authorization ID           **1334128**          

**Applicant, Facility and Project Information**

Applicant Name	<u>          <b>David L. &amp; Sabrina S. Etters</b>          </u>	Facility Name	<u>          <b>Etters Residential SRSTP</b>          </u>
Applicant Address	<u>          2496 N Eagle Valley Road Howard, PA 16841-2802          </u>	Facility Address	<u>          2494 N Eagle Valley Road Howard, PA 16841-2802          </u>
Applicant Contact	<u>          David Etters          </u>	Facility Contact	<u>          David Etters          </u>
Applicant Phone	<u>          814-355-2815          </u>	Facility Phone	<u>          814-355-2815          </u>
Client ID	<u>          358396          </u>	Site ID	<u>          844989          </u>
SIC Code	<u>          4952          </u>	Municipality	<u>          Howard Township          </u>
SIC Description	<u>          Trans. &amp; Utilities - Sewerage Systems          </u>	County	<u>          Centre          </u>
Date Application Received	<u>          September 10, 2020          </u>	WQM Required	<u>          Yes          </u>
Date Application Accepted	<u>          September 23, 2020          </u>	WQM App. No.	<u>          01142001          </u>
Project Description	<u>          Issuance of NPDES permit to authorize new discharge from new SFTF          </u>		

**Summary of Review**

INTRODUCTION

David and Sabrina Etters (The Etters) have applied for General Permit coverage for the proposed Single Residence Sewage Treatment Plant (SRSTP) which will serve their proposed residence in Howard Township, Centre County. Instead, the Department will issue an individual NPDES permit. See below.

APPLICATION

The Etters submitted the NPDES General Permit for Discharges from Small Flow Treatment Facilities Notice of Intent (PAG-04, DEP #3800-PM-BCW0093b). This Notice of Intent (NOI) was received by the Department on September 10, 2020 and considered administratively complete on September 23, 2020. The application was submitted on behalf of the Etters by their engineering consultant, AJ Coval, PE of Nittany Engineering of Clearfield, PA. Contact information for the Etters is (phone) 814-355-2815 and (email) [dave.etters@yahoo.com](mailto:dave.etters@yahoo.com). Contact information for AJ Coval is (phone) 814-205-5204 and (email) [acoval@nittanyengineering.com](mailto:acoval@nittanyengineering.com).

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. The case file, permit application package and draft permit will be available for public review at Department's Northcentral Regional Office. The address for this office is 208 West Third Street, Suite 101, Williamsport, PA 17701. An appointment can be made to review these materials during the comment period by calling the file coordinator at 570-327-3636.

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APPROVE	DENY	SIGNATURES		DATE
X		Jeffrey J. Gocek, EIT	<i>Jeffrey J. Gocek</i> Project Manager	11/25/2020
X		Nicholas W. Hartranft, PE	<i>Nicholas W. Hartranft</i> Environmental Engineer Manager	11/25/2020

OUTFALL

The discharge of treated domestic wastewater from this SFTF occurs through Outfall 001. This outfall is located at latitude 40° 59' 15" and longitude -77° 42' 55". The design flow of this SFTF is 0.0004 MGD.

Q<sub>7,10</sub> DETERMINATION

A Q<sub>7,10</sub> flow for this discharge has not been calculated since water quality modeling is not performed for residential small flow treatment facilities.

PROPOSED SFTF

The consultant has proposed a 400 gallon per day (0.0004 MGD) small flow treatment facility (SFTF) to serve the proposed three-bedroom residence. An earlier residence was planned and the associated SFTF was permitted as part of a sub-division sewage plan for this property. Both residential treatment facilities will share a common discharge pipe to the receiving stream.

See Attachment 01 for a map of the project location. See Attachment 02 for a map of the shared discharge location.

The SFTF will consist of a new 1,000-gallon dual compartment septic tank (with effluent filter), a 600 square foot subsurface sand filter (24 feet by 25 feet) and ultraviolet disinfection prior to discharge.

See Attachment 03 for a site schematic.

PERMITTING CLARIFICATION

The above described SFTF design meets the requirements of the Department's Small Flow Treatment Facilities Manual (DEP #362-0300-002). The original application was seeking coverage under the Department's PAG-04 NPDES General Permit for Discharges from Small Flow Treatment Facilities (DEP #3800-PM-BCW0093d). Because the Department's statewide general permit has since expired (May 11, 2019), the Department is currently unable to issue coverage under this permit. In order to authorize a treated discharge to surface waters of the Commonwealth, the Department must issue an individual NPDES permit to the applicant.

DEVELOPMENT OF EFFLUENT LIMITATIONS

Technology-Based Limitations

The following technology-based limitations apply to single residence sewage treatment plants (SRSTPs), subject to water quality analysis and BPJ where applicable:

Parameter	Average	IMAX	Sample Type	Frequency
Flow (GPD)	Report	XXX	Estimate	1/Year
BOD <sub>5</sub> (mg/L)	10	20	Grab	1/Year
TSS (mg/L)	10	20	Grab	1/Year
TRC (mg/L)	Report	XXX	Grab	1/Month
Fecal Coliform (No./100 mL)	200 (Annual Average)		Grab	1/Year

NOTE – Since Ultraviolet Disinfection is proposed for this facility, no limit for Total Residual Chlorine (TRC) will be assigned.

Water Quality-Based Limitations

In accordance with Department policy, water quality modeling (PENTOXSD, the WQM and TRC Spreadsheet) is not performed for SRSTPs. None are proposed.

Best Professional Judgment (BPJ) Limitations

In the absence of applicable effluent guidelines for the discharge or pollutant, permit writers must identify and/or develop needed technology-based effluent limitations (TBELs) TBELs on a case-by-case basis, in accordance with the statutory factors specified in the Clean Water Act. None are proposed.

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RECEIVING STREAM

The receiving stream for this SFTF is Bullit Run. According to 25 PA § 93.9L, this stream is protected for Cold Water Fishes (CWF) and Migratory Fishes (MF). These are the streams *Designated Uses*, which are defined in 25 PA § 93.1 as “those uses specified in §§ 93.9a – 93.9z for each waterbody or segment whether or not the use is being attained”. Designated uses are regulations promulgated by the Environmental Quality Board (EQB) throughout the rulemaking process. The stream currently has no *Existing Use*. An Existing Use which is defined in 25 PA § 93.1 as “those uses actually attained in the waterbody on or after November 28, 1975 whether or not they are included in the water quality standards”.

This stream is identified by Department stream code 22905 and is located in Drainage Basin L (Chapter 93) and State Water Plan watershed 9C (Bald Eagle Creek).

According to Department data, Bullit Run is attaining designated uses for Aquatic Life.

OTHER PERMITS

A Water Quality Management (WQM) permit coverage (WQG-01) will be issued with this NPDES Permit. The WQM permit coverage will authorize the design, construction and operation of the SFTF.

COMPLIANCE

The WMS Query *Open Violations by Client* revealed no unresolved violations for David and Sabrina Etters.

CHESAPEAKE BAY TMDL

Nutrient monitoring requirements associated with the Chesapeake Bay TMDL do not apply since the hydraulic design flow of this SFTF is less than 2,000 gallons per day.

SPECIAL PERMIT CONDITIONS

Annual Maintenance Form  
Discharge Monitoring Report Form  
Tank Monitoring  
Pumping Requirement  
Stormwater Prohibition  
Approval Contingencies  
Proper Waste Disposal  
Municipal Treatment Availability

SUPPLEMENTAL DISCHARGE MONITORING REPORTS

Annual Maintenance Report  
Non-Compliance Report Form  
Laboratory Accreditation Sheet

ANNUAL MAINTENANCE REPORTS

For this permit, the operative compliance mechanism will be the Annual Maintenance Report (AMR), which is to be submitted annually. No Discharge Monitoring Reports (DMRs) will be utilized. The AMR will also be used to document maintenance activities which occur in the period between June 01 and May 31 of each year.

As mentioned above, the results for the required 1/Year sampling of Flow, BOD5, Total Suspended Solids and Fecal Coliforms are to be reported on the AMR.

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PROPOSED EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

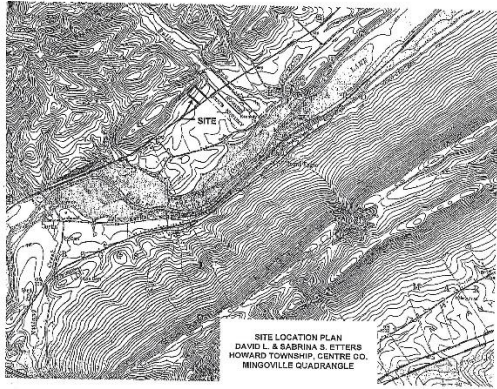
The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001) and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date

Discharge Parameter	Mass Limits (lb/day)		Concentration Limits (mg/L)				Monitoring Requirements	
	Monthly Average	Daily Maximum	Minimum	Monthly Average	Daily Maximum	IMAX	Minimum Measurement Frequency	Required Sample Type
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/Year	Estimate
BOD5	XXX	XXX	XXX	10	XXX	20	1/Year	Grab
Total Suspended Solids	XXX	XXX	XXX	10	XXX	20	1/Year	Grab
Fecal Coliform (No./100mL)	XXX	XXX	XXX	200 Annual Average	XXX	XXX	1/Year	Grab

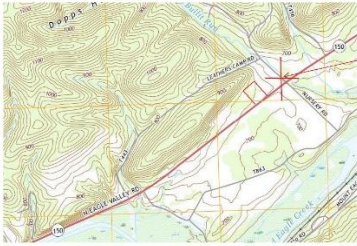
END of Fact Sheet.

ATTACHMENT 01



SITE LOCATION PLAN  
DAVID L. & SABRINA S. ETTERS  
HOWARD TOWNSHIP, CENTRE CO.  
MINGOVILLE QUADRANGLE

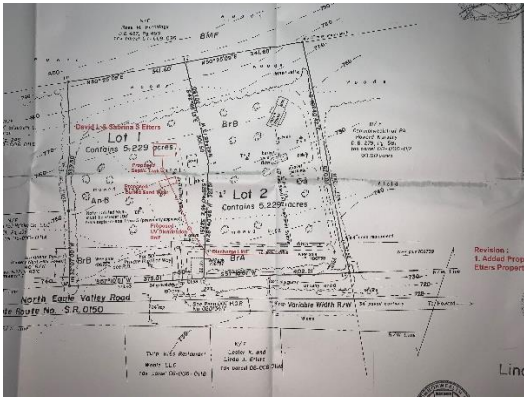
ATTACHMENT 02



Existing and  
Proposed Discharge  
Location. Ditch Outfall  
to 24" HDPE pipe to  
Doppel Run (see sheet  
1 of 1 of the plans)  
N 40d 59' 23.0"  
W 77d 42' 54.9"

SITE LOCATION and DISCHARGE PLAN  
DAVID L. & SABRINA S. ETTERS  
HOWARD TOWNSHIP, CENTRE CO.  
MINGOVILLE QUADRANGLE

ATTACHMENT 03



Revisions  
& Add'd From  
Etters Property

Line