

Application Type New
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0256021
APS ID 1050389
Authorization ID 1374035

Applicant, Facility and Project Information

Applicant Name	<u>Yukos Properties LLC</u>	Facility Name	<u>Yukos Properties SFTF</u>
Applicant Address	<u>1046 Boquet Road</u> <u>Jeannette, PA 15644-4707</u>	Facility Address	<u>1046 Boquet Road</u> <u>Jeannette, PA 15644-4707</u>
Applicant Contact	<u>Gregory Maynard</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 961-0091</u>	Facility Phone	<u></u>
Client ID	<u>366369</u>	Site ID	<u>852827</u>
SIC Code	<u>8800</u>	Municipality	<u>Penn Township</u>
SIC Description	<u>Private Households</u>	County	<u>Westmoreland</u>
Date Application Received	<u>October 13, 2021</u>	WQM Required	<u>Yes (pending)</u>
Date Application Accepted	<u>October 27, 2021</u>	WQM App. No.	<u>6521405</u>

Project Description New NPDES Permit for a discharge of sewage from a SFTF.

Summary of Review

The proposed project is a replacement of a malfunctioning on-lot system serving two existing dwellings with a small flow treatment facility.

Proposed treatment consists of three existing 1,000-gallon dual compartment septic tanks and 500-gallon siphon tanks in parallel followed by an existing 1,000 gallon dual compartment septic tank with effluent filter, polylok flow controller followed by two existing concrete Ecoflo Coco Filters and one new EC7-1350 Ecoflo Coco Filter in parallel, Jet Model 952 UV Disinfection Unit with stream discharge.

Act 537 planning was approved on July 23, 2021 for this project.

This project does not qualify for an NPDES PAG-04 General Permit because the proposed treatment system design does not confirm to the Department's current "Small Flow Treatment Facilities Manual."

There are currently no open violations listed for this client in EFACTS (1/19/2022).

Sludge use and disposal description and location(s): Septage must be pumped and hauled off-site by a septage hauler for land application under a general permit authorized by DEP or disposal at an STP.

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.

Approve	Deny	Signatures	Date
X		Adam J. Pesek Adam J. Pesek, E.I.T. / Environmental Engineer	January 19, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	January 24, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0017</u>
Latitude	<u>40° 22' 54"</u>	Longitude	<u>-79° 36' 43"</u>
Quad Name	<u>Slickville</u>	Quad Code	<u>1509</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Bushy Run</u>	Stream Code	<u>37295</u>
NHD Com ID	<u>99407482</u>	RMI	<u>2.83</u>
Drainage Area	<u></u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Intermittent Stream</u>
Elevation (ft)	<u>1058</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>19-A</u>	Chapter 93 Class.	<u>TSF</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>SILTATION, SILTATION</u>		
Source(s) of Impairment	<u>GRAZING IN RIPARIAN OR SHORELINE ZONES, STREAMBANK MODIFICATIONS/DESTABILIZATION</u>		
TMDL Status	<u>Final, Final</u>	Name	<u>Brush Creek (Westmoreland), Turtle Creek Watershed</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°C)	<u>25</u>	Default (TSF)	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water Company - Pittsburgh</u>		
PWS Waters	<u>Monongahela River</u>	Flow at Intake (cfs)	<u>1,230</u>
PWS RMI	<u>4.65</u>	Distance from Outfall (mi)	<u>30.6</u>

Changes Since Last Permit Issuance: N/A

Other Comments:

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	Average Monthly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	Grab

Compliance Sampling Location: Outfall 001 (after disinfection).

Other Comments: The Coco Filter unit is reportedly capable of meeting CBOD5 averages of 10 mg/l and TSS averages of 10 mg/l.

In accordance with the SOP, no water quality modeling was performed since this is a SFTF and UV disinfection is being used.