

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0295400  
APS ID 1099717  
Authorization ID 1459706

**Applicant, Facility and Project Information**

Applicant Name	<u>Jack Kinder LLC</u>	Facility Name	<u>Jack Kinder SRSTP</u>
Applicant Address	<u>1567 Sedgwick Road</u> <u>Waterford, PA 16441-3845</u>	Facility Address	<u>9652 Peach Street</u> <u>Waterford, PA 16441-4034</u>
Applicant Contact	<u>Robert Oberlander</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 460-4371</u>	Facility Phone	<u></u>
Client ID	<u>380636</u>	Site ID	<u>862035</u>
SIC Code	<u>8800</u>	Municipality	<u>Summit Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>September 29, 2023</u>	WQM Required	<u>Yes – Application Received.</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>2523428</u>
Project Description	<u>This is a new application for a Single Residence Sewage Treatment Plant (SRSTP) which will serve an existing dwelling.</u>		

**Summary of Review**

This is a new discharge which will serve an existing 3-bedroom home and replace an existing malfunctioning on-lot disposal system.

Act 14 – Notification has been submitted and received.

Treatment of this facility will consist of (WQM Permit No. 2523428): The facility will consist of a 1,000-gallon dual compartment septic tank, an Ecoflo Coco Filter EC7-500-C-P-USA, and an Integrated Rewatec UV Disinfection unit.

There are NO open violations in WMS for the subject Client ID (380636) as of 2/27/24.

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		Dustin Hargenrater Dustin Hargenrater / Civil Engineer Trainee	February 27, 2024
		(Vacant) / Environmental Engineer Manager	Okay to Draft JCD 2/29/2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>42° 0' 42.5"</u>	Longitude	<u>-80° 2' 39.1"</u>
Quad Name	<u>Erie South</u>	Quad Code	<u>42080A1</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to LeBoeuf Creek (TSF)</u>	Stream Code	<u>53591</u>
NHD Com ID	<u>127348382</u>	RMI	<u>1.1900</u>
Drainage Area	<u>0.18</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.0381</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.00686</u>	Q <sub>7-10</sub> Basis	<u>USGS - StreamStats</u>
Elevation (ft)	<u>1,433</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-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>FLOW REGIME MODIFICATION, SILTATION</u>		
Source(s) of Impairment	<u>NATURAL SOURCES, NATURAL SOURCES</u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°F)	<u>68</u>	Default	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Cambridge Springs Boro</u>		
PWS Waters	<u>French Creek</u>	Flow at Intake (cfs)	<u>51.45</u>
PWS RMI	<u>48.35</u>	Distance from Outfall (mi)	<u>37</u>

Changes Since Last Permit Issuance: None – This is a new discharge (Planning was approved on March 16, 2023.)

Other Comments: This SRSTP was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of the Ecoflo EC7 Unit.

The Coco filter unit is reportedly capable of producing TSS averages of 10 mg/L and CBOD5 averages of 10 mg/L.

In accordance with the SOP, no water quality modeling was performed since this is an SRSTP.

**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	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	Upon Request	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology based on Chapter 93.7.

Attachment 1  
eMap – Location and Receiving Stream Data

The screenshot displays a web-based GIS application interface. At the top, there are navigation tabs: "Map", "eFacts Query", "Advanced Query", and "Filter Plant Source Search". Below these are map style options: "ESRI Streets & Imagery" (selected), "Topographic", and "National Geographic". A toolbar contains standard GIS navigation icons. On the right, a "Locate Latitude and Longitude" dialog box is open, showing input fields for Latitude (42 0 42.5) and Longitude (-80 2 39.1) in DD/MM/SS format, with "Locate" and "Close" buttons. A central popup window titled "PA Historic Streams (1 of 6)" displays the following data for a selected stream segment:

- Name: Trib 53591 To Le Boeuf Creek
- Net Streams: 110764
- Shed: 16A
- Named: 0
- Rec No: 110764
- Seg ID: 53591\_0\_1.4675
- Seg ID Old: 53591\_0\_1.4675
- From Node: 877
- To Node: 743
- Down River Mile: 0
- Up River Mile: 1.467549
- WRDS: 53591
- Strahler: 1

The popup also includes a "Zoom to" link. The map shows a network of streams in blue and orange, with roads labeled "New Rd", "Lee Rd", "Nies Rd", "Peach St", and "Maplelane". A yellow 'X' marker is placed on the map with the coordinates "Latitude: 42.011806 - Longitude: -80.02391". A scale bar at the bottom left indicates 0, 0.1, and 0.2 miles. The Esri logo and "POWERED BY esri" are visible in the bottom right corner.

Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Attachment 2  
Google Earth – Site Imagery

