

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0261912
APS ID 1021274
Authorization ID 1476489

Applicant, Facility and Project Information

| | | | |
|---------------------------|--|------------------|--|
| Applicant Name | <u>Split Shots Bar & Grill</u> | Facility Name | <u>Split Shots Bar & Grill</u> |
| Applicant Address | <u>4587 Chambersburg Road</u> <u>Biglerville, PA 17307-9531</u> | Facility Address | <u>4587 Chambersburg Road</u> <u>Biglerville, PA 17307-9531</u> |
| Applicant Contact | <u>Timothy Johnson</u> | Facility Contact | <u>Ronald Cooper</u> |
| Applicant Phone | <u>(717) 873-5652</u> | Facility Phone | <u>(717) 357-1072</u> |
| Client ID | <u>357838</u> | Site ID | <u>255710</u> |
| SIC Code | <u>5812</u> | Municipality | <u>Franklin Township</u> |
| SIC Description | <u>Retail Trade - Eating Places</u> | County | <u>Adams</u> |
| Date Application Received | <u>March 12, 2024</u> | WQM Required | <u></u> |
| Date Application Accepted | <u>March 12, 2024</u> | WQM App. No. | <u></u> |
| Project Description | <u>NPDES permit renewal.</u> | | |

Summary of Review

KPI Technology, on behalf of the Split Shots Bar & Grill (Authority/Permittee), applied to the Pennsylvania Department of Environmental Protection (DEP) for issuance of the NPDES permit. The permit was reissued on October 31, 2019 and became effective on November 1, 2019. The permit expires on October 31, 2024.

Sludge use and disposal description and location(s): N/A

Changes from the previous permit: BOD₅ limits changed to CBOD₅ limits.

Based on the review outlined in this fact sheet, it is recommended that the permit be drafted. A public notice of the draft permit will be published in the *Pennsylvania Bulletin* for public comments for 30 days.

| Approve | Deny | Signatures | Date |
|---------|------|--|---------------|
| X | | <i>Hilary Le</i> Hilary H. Le / Environmental Engineering Specialist | May 17, 2024 |
| X | | <i>Maria D. Bebenek for</i> Daniel W. Martin, P.E. / Environmental Engineer Manager | June 11, 2024 |

| Discharge, Receiving Waters and Water Supply Information | | | |
|--|--|------------------------------|------------------------|
| Outfall No. | 001 | Design Flow (MGD) | 0.0015 |
| Latitude | 39° 53' 42.07" | Longitude | -77° 22' 45.35" |
| Quad Name | Caledonia Park | Quad Code | |
| Wastewater Description: Sewage Effluent | | | |
| Receiving Waters | Dry swale to Marsh Creek (CWF, MF) | Stream Code | 58903 |
| NHD Com ID | 53319588 | RMI | 22.05 miles |
| Drainage Area | 0.056 mi.2 | Yield (cfs/mi ²) | See comment below |
| Q7-10 Flow (cfs) | See comments below | Q7-10 Basis | USGS StreamStats |
| Elevation (ft) | 878.24 | Slope (ft/ft) | |
| Watershed No. | 13-D | Chapter 93 Class. | CWF, MF |
| Existing Use | | Existing Use Qualifier | |
| Exceptions to Use | | Exceptions to Criteria | |
| Assessment Status | Attaining Use(s) | | |
| Cause(s) of Impairment | | | |
| Source(s) of Impairment | | | |
| TMDL Status | Name | | |
| Nearest Downstream Public Water Supply Intake | Gettysburg Borough Municipal Authority | | |
| PWS Waters | Marsh Creek | Flow at Intake (cfs) | |
| PWS RMI | 8.2 miles | Distance from Outfall (mi) | Approximate 14.6 miles |

Changes Since Last Permit Issuance:

Drainage Area

The discharge is to the headwater of Dry Swale to Marsh Creek at RMI 22.05 mile. A drainage area at the point of discharge is estimated to be 0.056 square miles according to USGS StreamStats available at <https://streamstats.usgs.gov/ss/>.

Streamflow

USGS StreamStats was used to estimate stream flow, and it does not produce a Q7-10 at the point of discharge given that this is the headwaters of a very small dry swale.

Dry Swale to Marsh Creek

Under 25 Pa Code § 93.9z., all Dry Swale to Marsh Creek are designated as cold-water and migratory fishes. No special protection water(s) is impacted by this discharge. No Class A Wild Trout fishery is impacted by this discharge. DEP's latest integrated report prepared in 2024 showed Dry Swale is not impaired and the discharge is located in a stream segment listed as attaining uses.

Public Water Supply Intake

The fact sheet prepared for the renewal permit indicated that the nearest downstream public water supply intake is Gettysburg Borough Municipal Authority located on Marsh Creek, approximately 14.6 miles from the discharge. Considering dilution, the discharge is not expected to impact the water supply.

| Compliance History | |
|--------------------------------|---|
| Summary of DMRs: | See the summary below. |
| Summary of Inspections: | <p>7/11/2023: Mr. Hoy, DEP WQS, conducted a compliance evaluation inspection. There were violations noted during inspection. Field test results were within permit limits. <i>Recommendations:</i> 1. Document when UV bulbs are replaced. 2. Mark the outfall location. <i>Requests:</i> 1. Complete the beneficial use information for future sewage sludge supplemental reports. 2. The AMR is submitted by June 30 of each year as required by NPDES Permit Part C.IA. 3. Measure the depth of sewage and scum in all treatment units at least one a year. Annual pumping may be substituted for measurement. 4. Submit future sludge hauling receipts with AMRs.</p> <p>1/13/2020: Mr. Bettinger, DEP Environmental Trainee, conducted a compliance evaluation inspection. There were no violations noted during inspection. Field test results were within permit limits.</p> |
| Other Comments: | There were no open violations against the permittee or applicant |

Other Comments: A summary of the eDMR from May 1, 2023 to April 30, 2024

| Parameter | Apr-24 | Mar-24 | Feb-24 | Jan-24 | Dec-23 | Nov-23 | Oct-23 | Sep-23 | Aug-23 | Jul-23 | Jun-23 | May-23 |
|---|--------|---------|----------|----------|---------|---------|--------|---------|--------|---------|--------|---------|
| Flow (MGD) Average Monthly Pump rate | 0.0002 | 0.00025 | 0.000171 | 0.000205 | 0.00021 | 0.00025 | 0.0002 | 0.00016 | 0.0002 | 0.00029 | 0.0002 | 0.00019 |
| BOD5 (mg/L) Average Monthly Grab | < 2.4 | 5.1 | < 2.4 | < 2.4 | 2.7 | 3.1 | < 2.4 | < 2.4 | < 2.4 | < 2.4 | < 2.4 | < 2.4 |
| TSS (mg/L) Average Monthly Grab | 2.0 | 3.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 1.0 | 3.0 | 2.0 | 4.0 |
| Fecal Coliforms (CFU/100 mL) Geometric Mean Grab | < 1.0 | < 1.0 | 2.0 | < 1.0 | < 1.0 | 7 | 1.0 | < 1.0 | < 1.0 | 58 | < 1.0 | < 1.0 |
| Fecal Coliforms (CFU/100 mL) Instantaneous Max. Grab | < 1.0 | < 1.0 | 2.0 | < 1.0 | < 1.0 | 7 | 1.0 | < 1.0 | < 1.0 | 58 | < 1.0 | < 1.0 |

Treatment Facility Summary

The treatment system service at Split Shots Bar & Grill has capacity 1,500 GPD (0.0015 MGD) and consists of a two-compartment 1,500-gallon septic tank with three effluent filters, Model AdvanTex 3-Pod AX20 Module 1, with disinfection system by UV. The original WQM permit No. 0112402 was issued on Jan. 18, 2013, and 0112402 T-1 ownership transfer was issued on 5/17/2021.

Development of Effluent Limitations and Monitoring Requirements

Unless stated otherwise below, the proposed effluent limitations and monitoring requirements listed on page 4 of the Fact sheet are derived from DEP's Standard Operating Procedure (SOP) for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BPNPSM-PMT-003) version 1.8 revised November 9, 2023. First, all existing monitoring frequencies have been changed to reflect the requirements specified in the SOP (i.e., all average monthly codes have been modified to annual average due to WMS coding issues). This is a reasonable approach as the permittee has been submitting annual maintenance reports consistently and no significant maintenance/operation issues are found.

Water Quality-Based Limitations

DEP's Standard Operating Procedures (SOP) for the Clean Water Program SOP No. BPNPSM-PMT-003 version 1.8 revised November 9, 2023, indicates that in determining effluent limitations for the reissuance of a permit for a Small Flow Treatment Facility (SFTF), water quality modeling via PentoxSD and/or WQM will not be conducted.

Additional Considerations

Flow monitoring:

Flow monitoring will be continued in this renewal in accordance with DEP's SOP BPNPSM-PMT-003 version 1.8 revised November 9, 2023. The reporting frequency will be revised to one a month and sample type is Measured (for SFTF).

Carbon Biochemical Oxygen Demand (CBOD₅):

DEP's Standard Operating Procedure (SOP) No. BPNPSM-PMT-003, version 1.8 revised November 9, 2023 suggests average monthly BOD₅ limit to be 10.0 mg/L and instantaneous maximum (IMAX) limit to be 20.0 mg/L for new or renewal permits. It is recommended that existing limits be carried over in this renewal and BOD₅ limits be replaced by CBOD₅ to comply with the recent SOP. The minimum monitoring frequency will remain the same as 1/month.

Total Suspended Solids (TSS):

DEP's Standard Operating Procedure (SOP) No. BPNPSM-PMT-003, version 1.8 revised November 9, 2023 suggests average monthly TSS limit to be 10.0 mg/L and instantaneous maximum (IMAX) limit to be 20.0 mg/L. Existing limits are recommended to be carried over in this renewal. Minimum monitoring frequency will remain the same as 1/month.

Fecal Coliform:

Per SOP, a year-round average monthly limit for fecal coliform geometric mean to be 200/100 ml for all new or renewal. The existing permit has seasonal limit which is recommended to be replaced by year-round limit. Existing permit also has IMAX limit for summer and winter which is also suggested to be removed. The unit of Fecal Coliform is changed from CFU/100 ml to No./100 ml to comply with Central Office directive. Please see attached email. The minimum monitoring frequency will remain the same as 1/month.

Chesapeake Bay Requirements:

No nutrient monitoring requirement is recommended for this facility. Facilities that are designed based on a flow of less than or equal to 2,000 GPD or considered as SFTFs are exempt from the Bay requirements.

Total Maximum Daily Load (TMDL):

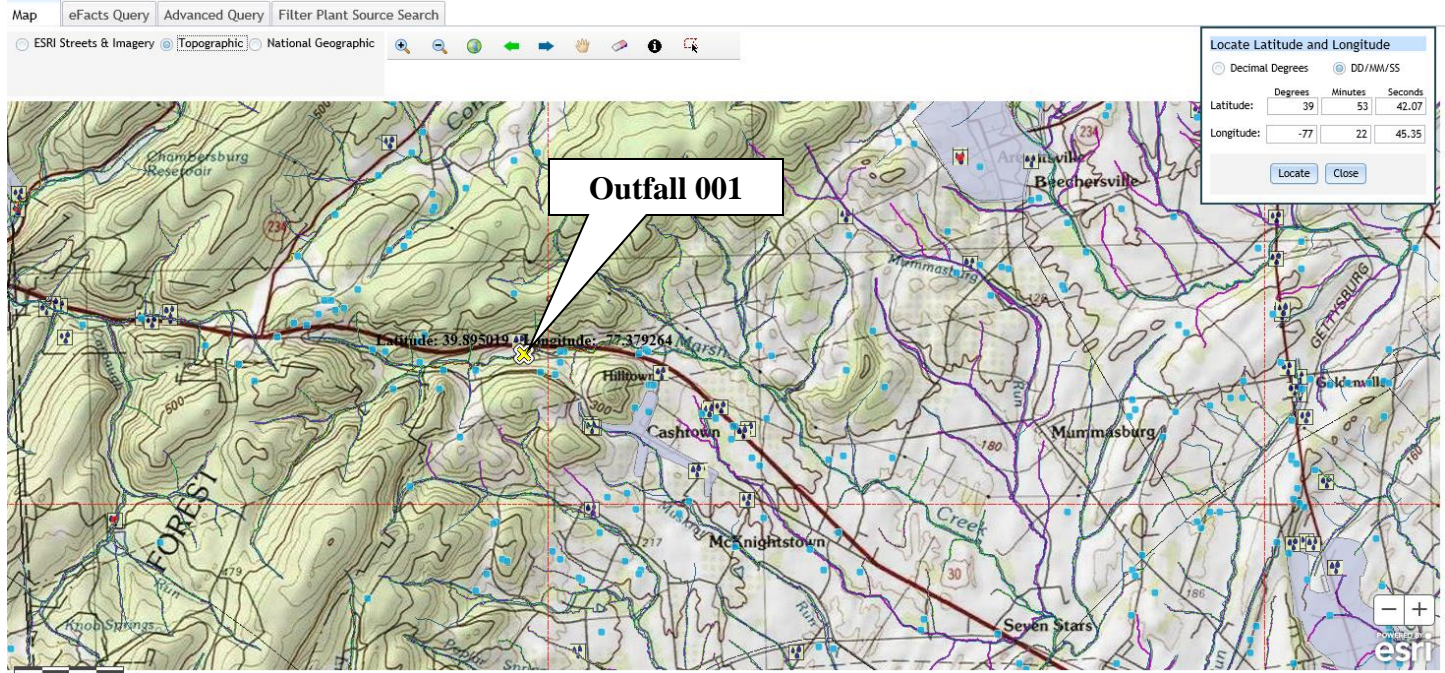
The discharge is located in a stream segment listed as attaining uses; therefore, no TMDL has been taken into consideration during this review.

Anti-Degradation Requirements:

The discharge is to non-special protection waters/watershed. No HQ/EV waters are impacted by this discharge. The effluent limits for this discharge have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected.

Other Considerations:

No Class A Wild Trout Fishery is impacted by this discharge. Considering dilution and distance from the intake, the discharge is not expected to affect the water supply.



USGS StreamStats
 science for a changing world

SELECT A STATE / REGION
 Pennsylvania

IDENTIFY A STUDY AREA
 Basin Delineated

SELECT SCENARIOS

BUILD A REPORT Report Built

Step 1: You can modify computed basin characteristics here, then select the types of reports you wish to generate. Then click the "Build Report" button

Show Basin Characteristics

Select available reports to display:

- Basin Characteristics Report
- Scenario Flow Reports

Open Report

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Basin Characteristics

| Parameter Code | Parameter Description | Value | Unit |
|----------------|--|--------|-----------------------|
| CARBON | Percentage of area of carbonate rock | 0 | percent |
| DRNAREA | Area that drains to a point on a stream | 0.0564 | square miles |
| PRECIP | Mean Annual Precipitation | 43 | inches |
| ROCKDEP | Depth to rock | 5 | feet |
| STRDEN | Stream Density -- total length of streams divided by drainage area | 0 | miles per square mile |

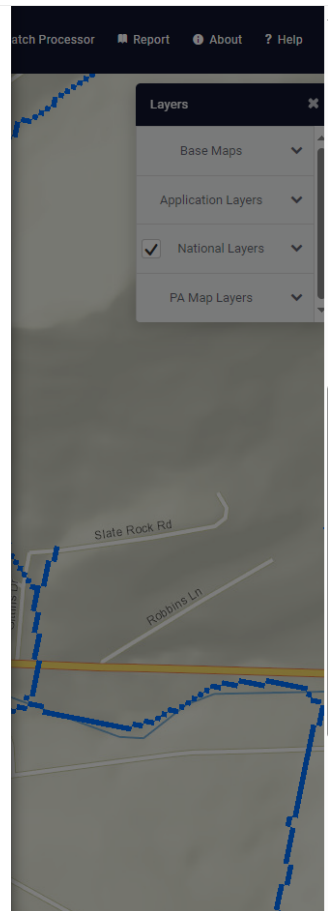
Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 2]

| Parameter Code | Parameter Name | Value | Units | Min Limit | Max Limit |
|----------------|---------------------------|--------|-----------------------|-----------|-----------|
| DRNAREA | Drainage Area | 0.0564 | square miles | 4.93 | 1280 |
| PRECIP | Mean Annual Precipitation | 43 | inches | 35 | 50.4 |
| STRDEN | Stream Density | 0 | miles per square mile | 0.51 | 3.1 |
| ROCKDEP | Depth to Rock | 5 | feet | 3.32 | 5.65 |
| CARBON | Percent Carbonate | 0 | percent | 0 | 99 |

Low-Flow Statistics Flow Report [Low Flow Region 2]

| Statistic | Value | Unit |
|--------------------------------------|-------|------|
| <i>Low-Flow Statistics Citations</i> | | |



Existing Effluent Limitations and Monitoring Requirements

Outfall 001,

| 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 (MGD) | Report | XXX | XXX | XXX | XXX | XXX | 1/month | Measured |
| BOD ₅ | 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 | 1,000 | 1/month | Grab |

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 (MGD) | Report | XXX | XXX | XXX | XXX | XXX | 1/month | Measured |
| CBOD ₅ | 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 | 1,000 | 1/month | Grab |

Compliance Sampling Location:

Other Comments: