



Application Type

Renewal

Facility Type

Non-Municipal

Major / Minor

Minor

Application No.

PA0055395

APS ID

1125726

Authorization ID

1506513

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Applicant and Facility Information

| | | | |
|---------------------------|----------------------------------|------------------|-------------------------------|
| Applicant Name | <u>Green Top Management LLC</u> | Facility Name | <u>Green Top MHP</u> |
| Applicant Address | <u>PO Box 677</u> | Facility Address | <u>107 Green Top Road</u> |
| | <u>Morgantown, PA 19543-0677</u> | | <u>Sellersville, PA 18960</u> |
| Applicant Contact | <u>James Perano</u> | Facility Contact | <u>Ron Kratz</u> |
| Applicant Phone | | Facility Phone | <u>(215) 536-5122</u> |
| Client ID | <u>273393</u> | Site ID | <u>242859</u> |
| Ch 94 Load Status | <u>Not Overloaded</u> | Municipality | <u>West Rockhill Township</u> |
| Connection Status | <u>No Limitations</u> | County | <u>Bucks</u> |
| Date Application Received | <u>October 25, 2024</u> | EPA Waived? | <u>Yes</u> |
| Date Application Accepted | | If No, Reason | |
| Purpose of Application | <u>Renewal</u> | | |

Summary of Review

PA DEP received an application on October 25, 2024, for renewal of individual NPDES permit application to discharge sewage effluent from minor sewage facilities through Outfall 001 to an unnamed tributary of Tohickon Creek, classified as Special Protection Waters.

The facility serves Green Top Mobile Home Park. Permit was approved for Hydraulic Design Capacity of the STP of 0.028 MGD with average annual flow of 0.018 MGD.

Existing plant consists of 3 sequential batch reactors #1, #2 & #3, sand filters and a chlorine contact tank. Ferric chloride is used for phosphorous removal, soda ash is used for pH adjustment and chlorine tablets are used for disinfection.

There were no changes to the facility since last permit renewal, therefore, previously established effluent limits and monitoring requirements will remain for this current renewal.

On January 17, 2025, James Cieri confirmed in an email that they intend to continue with the existing Chlorine disinfection system and remove the UV system from the site that was never activated.

The TSS parameter and its associated limits were included in the 2010 permit and older, but were unintentionally omitted in the last two renewal cycles. As a result, the permit has been updated in this renewal to reinstate the previously existing limits.

Total Nitrogen and E.Coli has been added to the renewal as report only as per the SOP for Clean Water Program Establishing Effluent Limitations for Individual Sewage Permits SOP No. BCW-PMT-033.

| Approve | Deny | Signatures | Date |
|-------------------------------------|------|---|---------------|
| <input checked="" type="checkbox"/> | | <i>Vasantha</i> Vasantha Palakurti / Environmental Engineering Specialist | July 17, 2025 |
| <input checked="" type="checkbox"/> | | <i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager | 07/17/2025 |

Summary of Review

Since the discharge is located in drainage area of Lower Delaware Special Protection Water (SPW) Area, it has to comply with DRBC requirements.

Permittee is subject to a consent decree with DRBC entered on January 30, 2013 with a docket No. 5: 12-CV-05553-JKG. The consent decree requires the applicant and related parties to conduct comprehensive environmental audits, identify areas of noncompliance, and perform corrective actions necessary to achieve compliance at the facilities subject to the consent decree. In addition, they must self-report the violations to the department. Accordingly, Facility reported several exceedances during permit cycle for Ammonia.

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.

Discharge, Receiving Waters and Water Supply Information

| | | | |
|------------------------------|---|------------------------------|----------------|
| Outfall No. | 001 | Design Flow (MGD) | .018 |
| Latitude | 40° 24' 0.57" | Longitude | -75° 20' 3.81" |
| Quad Name | | Quad Code | |
| Wastewater Description: | | Effluent | |
| Receiving Waters | Unnamed Tributary of Tohickon Creek (TSF) | Stream Code | 03181 |
| NHD Com ID | 26053538 | RMI | 4.1 |
| Drainage Area | 0.11 sq. ft. | Yield (cfs/mi ²) | 0.1 |
| Q ₇₋₁₀ Flow (cfs) | 0.0014 | Q ₇₋₁₀ Basis | |
| Elevation (ft) | 541 | Slope (ft/ft) | |
| Watershed No. | 2-D | Chapter 93 Class. | TSF |
| Existing Use | | Existing Use Qualifier | |
| Exceptions to Use | | Exceptions to Criteria | |
| Assessment Status | Attaining Use(s) | | |

Changes Since Last Permit Issuance: There were no process changes since last permit renewal.

Treatment Facility Summary

Treatment Facility Name: Green Top Mobile Home Park STP

| Waste Type | Degree of Treatment | Process Type | Disinfection | Avg Annual Flow (MGD) |
|--------------------------|-------------------------------------|--------------------------|---------------------|------------------------|
| Sewage | Secondary With Phosphorus Reduction | Sequencing Batch Reactor | Hypochlorite | 0.018 |
| <hr/> | | | | |
| Hydraulic Capacity (MGD) | Organic Capacity (lbs/day) | Load Status | Biosolids Treatment | Biosolids Use/Disposal |
| 0.028 | 72.9 | Not Overloaded | | |

Compliance History

DMR Data for Outfall 001 (from December 1, 2023 to November 30, 2024)

| Parameter | NOV-24 | OCT-24 | SEP-24 | AUG-24 | JUL-24 | JUN-24 | MAY-24 | APR-24 | MAR-24 | FEB-24 | JAN-24 | DEC-23 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Flow (GPD) Average Monthly | 0.008 | 0.006 | 0.004 | 0.003 | 0.004 | 0.005 | 0.006 | 0.011 | 0.013 | 0.013 | 0.016 | 0.017 |
| pH (S.U.) Instantaneous Minimum | 6.42 | 6.14 | 6.71 | 6.73 | 6.63 | 6.92 | 7.02 | 6.88 | 6.36 | 6.72 | 6.82 | 6.66 |
| pH (S.U.) Instantaneous Maximum | 7.68 | 7.99 | 7.29 | 7.53 | 7.49 | 7.42 | 7.92 | 7.61 | 8.34 | 7.76 | 7.66 | 7.61 |
| DO (mg/L) Minimum | 6.4 | 6.4 | 7.9 | 6.2 | 6.6 | 6.5 | 6.4 | 6.6 | 6.2 | 6.5 | 6.6 | 6.6 |
| TRC (mg/L) Average Monthly | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| TRC (mg/L) Instantaneous Maximum | < 0.01 | < 0.01 | < 0.01 | 0.01 | < 0.01 | < 0.01 | 0.01 | < 0.01 | 0.01 | 0.02 | 0.01 | 0.02 |
| CBOD5 (mg/L) Average Monthly | 4.6 | 5.2 | 7.6 | < 2.0 | 3.1 | 4.4 | < 2.3 | < 2.0 | < 2.1 | < 2.0 | 6.5 | 3.5 |
| Total Dissolved Solids (mg/L) Average Monthly | 790 | 512 | 631 | 602 | 808 | 679 | 718 | 468 | 380 | 751 | 324 | 755 |
| Fecal Coliform (CFU/100 ml) Average Monthly | < 1 | < 4 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Fecal Coliform (CFU/100 ml) Instantaneous Maximum | < 1 | 20 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 1 |
| Ammonia (mg/L) Average Monthly | 1.95 | < 0.1 | < 0.58 | < 0.71 | < 0.56 | < 0.14 | < 0.23 | < 0.12 | < 1.03 | < 0.93 | 12.33 | 2.51 |
| Total Phosphorus (mg/L) Average Monthly | 0.29 | 0.27 | 0.23 | 0.3 | 0.32 | 0.31 | 0.25 | 0.17 | 0.22 | 0.23 | 0.31 | 0.21 |

Compliance History

Effluent Violations for Outfall 001, from: January 1, 2024 To: November 30, 2024

| Parameter | Date | SBC | DMR Value | Units | Limit Value | Units |
|-----------|----------|--------|-----------|-------|-------------|-------|
| Ammonia | 01/31/24 | Avg Mo | 12.33 | mg/L | 3.0 | mg/L |

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" (386-0400-001), 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/week | Measured |
| pH (S.U.) | XXX | XXX | 6.0 Inst Min | XXX | XXX | 9.0 | 1/day | Grab |
| DO | XXX | XXX | 6.0 | XXX | XXX | XXX | 1/day | Grab |
| TRC | XXX | XXX | XXX | 0.02 | XXX | 0.05 | 1/day | Grab |
| CBOD5 | XXX | XXX | XXX | 25.0 | XXX | 50 | 2/month | 8-Hr Composite |
| Total Dissolved Solids | XXX | XXX | XXX | 1000 | XXX | 2000 | 1/month | 8-Hr Composite |
| Fecal Coliform (CFU/100 ml) | XXX | XXX | XXX | 200 | XXX | 1000 | 2/month | Grab |
| Ammonia Nov 1 - Apr 30 | XXX | XXX | XXX | 3.0 | XXX | 6 | 2/month | 8-Hr Composite |
| Ammonia May 1 - Oct 31 | XXX | XXX | XXX | 1.7 | XXX | 3.4 | 2/month | 8-Hr Composite |
| Total Phosphorus | XXX | XXX | XXX | 0.5 | XXX | 1 | 2/month | 8-Hr Composite |
| Total Nitrogen | XXX | XXX | XXX | Report | XXX | XXX | 2/month | Calculation |
| E. Coli (No./100 ml) | XXX | XXX | XXX | XXX | XXX | Report | 1/quarter | Grab |
| TSS | XXX | XXX | XXX | 30 | XXX | 60 | 2/month | 8-Hr Composite |

| Approve | Deny | Signatures | Date |
|---------|------|---|---------------|
| X | | <i>Vasantha</i> Vasantha Palakurti / Environmental Engineering Specialist | July 17, 2025 |
| X | | <i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager | 07/17/2025 |