

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

**NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF**

Application No. PA0053872
APS ID 355896
Authorization ID 1459692

Applicant, Facility and Project Information

Applicant Name	<u>Red Hill Borough Water Authority</u>	Facility Name	<u>Red Hill Water Authority Kemmerer Spring WWTP</u>
Applicant Address	<u>433 Main Street</u> <u>Red Hill, PA 18076-1307</u>	Facility Address	<u>6841 Sigmund Road</u> <u>Zionsville, PA 18092</u>
Applicant Contact	<u>Eric Schantz</u>	Facility Contact	<u>Eric Schantz</u>
Applicant Phone	<u></u>	Facility Phone	<u></u>
Client ID	<u>51796</u>	Site ID	<u>237103</u>
SIC Code	<u>4941</u>	Municipality	<u>Upper Milford Township</u>
SIC Description	<u>Trans. & Utilities - Water Supply</u>	County	<u>Lehigh</u>
Date Application Received	<u>October 25, 2023</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>October 25, 2023</u>	WQM App. No.	<u></u>
Project Description	<u>RENEWAL OF EXISTING NPDES PERMIT.</u>		

Summary of Review

The applicant is requesting renewal of their NPDES permit to discharge 0.0004 MGD (400 gpd) of treated sewage from a Small Flow Treatment Facility (SFTF) to an unnamed tributary to Perkiomen Creek, a HQ-CWF/MF designated receiving stream in state water plan basin 03-E (Perkiomen Creek). As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than its designated use.

Fecal Coliform has an annual average limitation of 200 No./100mL (with an IMAX of 1,000 No./100mL) and is to be sampled for at least twice per year. Please note that the "geometric mean" Statistical Base Code is unavailable for annual report frequencies, therefore, the Statistical Base Code was updated to "annual average". A note is added under the Part A effluent limitation table requiring the samples for Fecal Coliform to be taken between June 1 and August 31 each year.

The septic tank was pumped and cleaned on 3/28/2023 as per the application. An inspection was performed on April 1, 2024 with no listed violations. The facility has submitted their last 2 AMRs.

No TMDLs exist in this segment of the receiving stream.

Chlorine is used for disinfection. Using a Q7-10 of .4437cfs (from WQM7.0) and a discharge of .0004 MGD, effluent limit calculations for this facility for TRC are consistent with previous permit. Due to modeling results and no previous effluent exceedances, it is recommended that previous permit limits are maintained with this permit renewal.

CBOD₅, TSS, and pH limitations are carried over from the previous permit renewals. Since this facility was permitted before the publication of DEP's Small Flow Treatment Facilities manual, the 10.0 mg/L annual average limitation (20.0 mg/L IMAX) for both CBOD₅ and TSS are not included in this renewal. Average annual limitations for CBOD₅ and TSS remain at 25.0 mg/L and 30.0 mg/L, respectively. As in the last permit renewal, CBOD₅ and TSS are to be sampled for at least twice per year. pH is to be sampled for at least once per month.

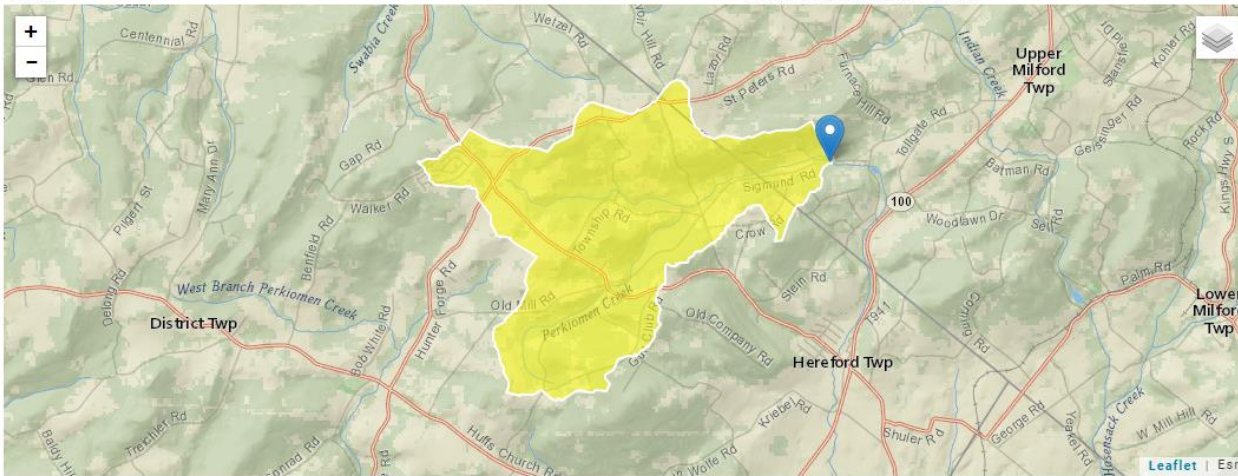
Approve	Deny	Signatures	Date
X		William Hon (signed) William Hon / Environmental Engineer Trainee	April 10, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	4-14-24

The AMR that's to be issued with the final permit shall be used to record the monitoring results. Since pH and TRC are to be sampled for monthly, only a monthly DMR could be created for those parameters. There is no need for this SFTF to submit monthly DMRs to DEP, therefore, the AMR can be used to record the monthly results and shall be submitted to DEP by June 30th each year. DMRs will not be sent with the final permit.

There are no open violations for this client that would warrant withholding the issuance of this permit.

Model Inputs:

Red Hill WWTP
PT1 @ Outfall 001
RMI: 38.55
LAT/LON: 40.4717, -75.5556



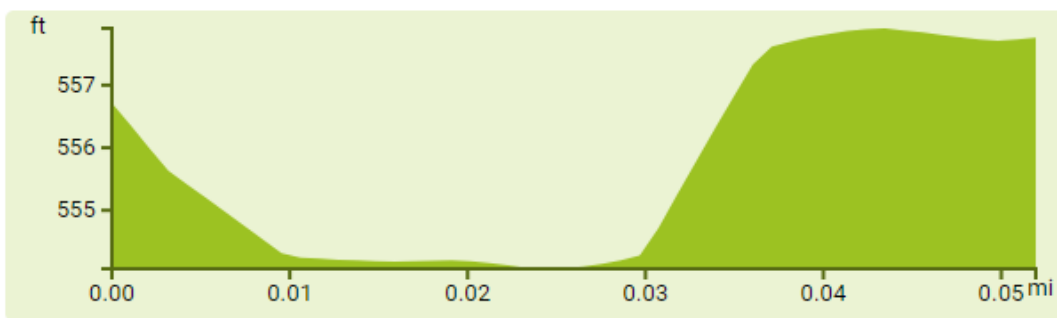
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> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BSLOPD	Mean basin slope measured in degrees	5.1503	degrees
DRNAREA	Area that drains to a point on a stream	3.52	square miles

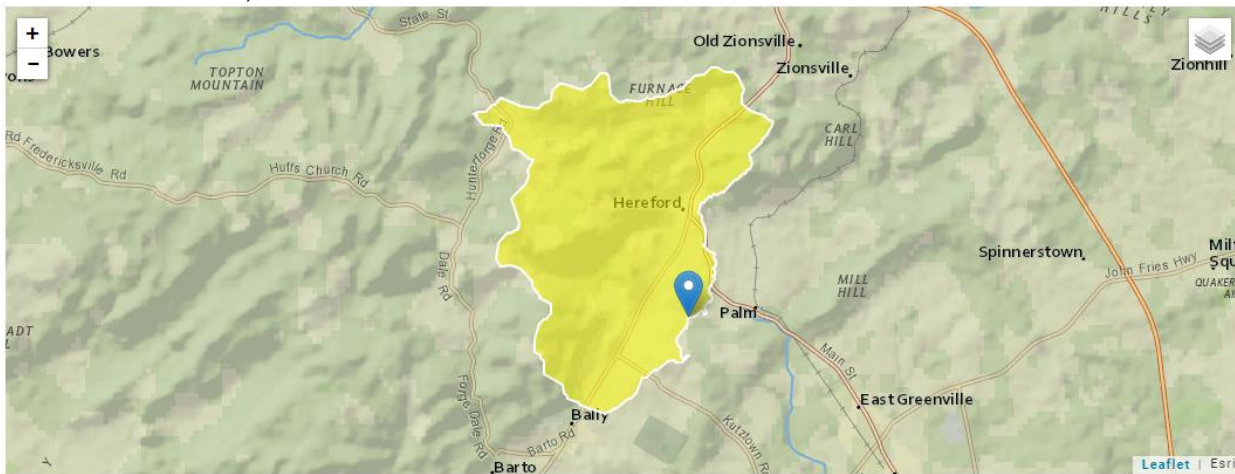
L7.10: .473 cfs

Elevation profile



Elevation: 554.07

PT2
@ conflux w/ Pachwechen Run (3.5miles away)
RMI: 1
LAT/LONG: 40.4258, -75.5531



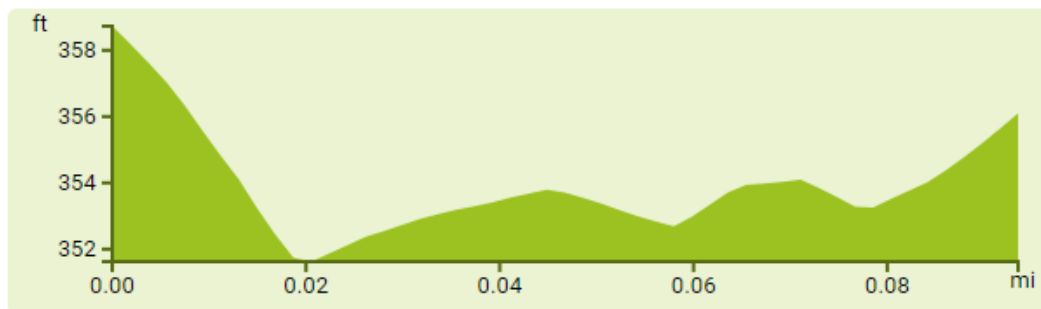
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Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BSLOPD	Mean basin slope measured in degrees	5.6661	degrees
DRNAREA	Area that drains to a point on a stream	13.9	square miles

L7/10 2.42cfs

Elevation profile



Elevation: 351.62

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.