

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0083674
APS ID 468450
Authorization ID 1233277

Applicant, Facility and Project Information

Applicant Name	<u>Rainworth Inc.</u>	Facility Name	<u>Rainworth Apartments</u>
Applicant Address	<u>1979 Biglerville Road</u> <u>Gettysburg, PA 17325-8038</u>	Facility Address	<u>2715 York Road</u> <u>Gettysburg, PA 17325</u>
Applicant Contact	<u>Christopher Hinton</u>	Facility Contact	<u>Christopher Hinton</u>
Applicant Phone	<u>(717) 337-1069</u>	Facility Phone	<u>(717) 337-1069</u>
Client ID	<u>204454</u>	Site ID	<u>262346</u>
SIC Code	<u>3999,5812</u>	Municipality	<u>Straban Township</u>
SIC Description	<u>Manufacturing - Manufacturing Industries, Nec,Retail Trade - Eating Places</u>	County	<u>Adams</u>
Date Application Received	<u>June 14, 2018</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>June 21, 2018</u>	WQM App. No.	<u>N/A</u>
Project Description	<u>NPDES permit renewal.</u>		

Summary of Review

A NPDES permit renewal application was received by Rainworth, Inc. on June 14, 2018 for discharge of treated sanitary wastewater from an apartment building (i.e., Rainworth Apartments) located in Straban Township, Adams County. The permit was last issued on December 17, 2013 and became effective on January 1, 2014. The permit expired on December 31, 2018.

Changes from the previous permit: DO, pH, & Ammonia-Nitrogen limits are recommended to be eliminated. Unit of Fecal Coliform is changed from CFU/100 ml to No./100 ml. The Statistical Base Code of Daily Maximum in the previous permit has been changed to Average Weekly.

Based on the review outline in this fact sheet, it is recommended that the permit be drafted and published in the Pennsylvania Bulletin for public comments for 30 days.

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		Hilary H. Le / Environmental Engineering Specialist	July 30, 2019
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria D. Bebenek, P.E. / Clean Water Program Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0012
Latitude	39° 51' 13.22"	Longitude	-77° 8' 56.20"
Quad Name	Gettysburg	Quad Code	
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to White Run (WWF, MF)	Stream Code	59135
NHD Com ID	134238964	RMI	0.19 mile
Drainage Area	0.04 mi ²	Yield (cfs/mi ²)	See comments below
Q7-10 Flow (cfs)	See comments below	Q7-10 Basis	USGS StreamStats
Elevation (ft)	593	Slope (ft/ft)	
Watershed No.	13D	Chapter 93 Class.	Warm Water Fishes, Migratory Fishes
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	N/A		
Source(s) of Impairment	N/A		
TMDL Status	N/A	Name	N/A
Nearest Downstream Public Water Supply Intake	City of Frederick, MD		
PWS Waters	Monocacy River	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	Approximately 45 miles

Changes Since Last Permit Issuance: None

Drainage Area

The discharge is to Unnamed Tributary of White Run at RMI 0.19 mile. A drainage area upstream of the point of discharge is estimated to be 0.04 sq.mi. according to USGS StreamStats available at <https://streamstats.usgs.gov/ss/>.

Streamflow

USGS StreamStats does not produce a Q7-10 at the point of discharge given that this is the headwaters of a very small unnamed tributary.

Unnamed Tributary 59135 of White Run

Under 25 Pa Code §93.9z, the entire basin of White Run is designated as warm water and migratory fishes. No special protection water is therefore impacted by this discharge. No Class A Wild Trout Fishery is impacted by this discharge. Based on DEP's 2016 integrated water quality report, the discharge is located within a stream segment listed as attaining uses.

Public Water Supply Intake

The nearest downstream public water supply intake is City of Frederick, MD located on the Monocacy River approximately 45.04 miles from the discharge. Given the distance and nature, the discharge is not expected to impact downstream public water supply.

Compliance History	
Summary of DMRs:	ARM 2017 report was submitted to DEP (see Table Below).
Summary of Inspections:	DEP inspection was on 6/27/2018. There were no violations.
Other Comments:	Since the last permit renewal, there are no permit open violations associated with this facility or permittee.

Compliance History

AMR Data for Outfall 001 (From June 1, 2016 to May 31, 2017)

Parameter	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	Nov 16	Dec 16	Jan 17	Feb 17	Mar 17	Apr 17	May 17
TRC (mg/L) Grab Weekly	0.1	0.5	0.3	0.1	0.1	0.07	0.5	0.1	0.1	0.5	0.2	0.8
CBOD ₅ (mg/L) Grab Monthly	< 3	< 3	3	< 3	< 3	< 3	3	< 3	3	3	< 3	< 3
pH (S.U) Grab Weekly	7.6	7.4	7.3	7.4	7.3	7.3	6.8	7.0	6.9	7.1	7.5	7.3
TSS (mg/L) Grab Monthly	1	7	1	1	9	11	3	3	3	6	9	6
Fecal Coliform (No./mL) Grab Monthly	3	< 1	7	61	< 1	4	6	< 2	9	6	243	474

Treatment Facility Summary

The existing treatment plant has an annual average design flow of 0.0012 MGD and currently consists of an aeration tank, clarifier, a dosing tank, subsurface sand filter, tablet chlorinator with chlorine contact tank, post-aeration tank, and an outfall. WQM permit Nos. 0192403 & 0192403 T-1 issued on January 08, 1993 & February 11, 2003, respectively.

Development of Effluent Limitations and Monitoring Requirements

The proposed effluent limitations and monitoring requirements 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) revised on May 17, 2019.

pH is no longer a parameter of concern for SFTFs, so the pH monitoring requirement in the previous permit has been eliminated.

Ammonia-Nitrogen is no longer a parameter of concern for SFTFs, so the ammonia-nitrogen monitoring requirement in the previous permit has been eliminated.

DO is no longer a parameter of concern for SFTFs, so the DO monitoring requirement in the previous permit has been eliminated.

The reviewer has determined that no other changes to the proposed limits and/or sampling frequencies are necessary at this time.

The reviewer notes that the existing CBOD₅, and TSS monitoring frequencies and limits are inconsistent with the monitoring frequencies and limits recommended in DEP SOP no. BPNPSM-PMT-003 for SFTFs revised on May 17, 2019. Based on the best professional judgement of the author, the existing monitoring frequencies are sufficient and necessary. Therefore, the monitoring frequencies and limits from the previous permit will remain the same.

Chesapeake Bay Requirements

Facilities that are designed based on a flow of less than 2,000 GPD or considered as SFTFs are exempt from the Bay requirements. Accordingly, it is not necessary for the permittee to perform nutrient monitoring.

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.

Existing Effluent Limitations and Monitoring Requirements

The following are effluent limitations and monitoring requirements specified in the current permit:

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	1/week	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.5	XXX	1.6	1/week	Grab
CBOD ₅	XXX	XXX	XXX	10	XXX	20	1/month	Grab
Total Suspended Solids	XXX	XXX	XXX	10	XXX	20	1/month	Grab
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/month	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	1/month	Grab
Ammonia-Nitrogen May 1 – Oct 31	XXX	XXX	XXX	3.0	XXX	6.0	1/month	Grab
Ammonia-Nitrogen Nov 1 – Apr 30	XXX	XXX	XXX	9.0	XXX	18	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 Wkly Avg	Report Wkly Avg	XXX	XXX	XXX	XXX	1/week	Measured
TRC	XXX	XXX	XXX	0.5	XXX	1.6	1/week	Grab
CBOD ₅	XXX	XXX	XXX	10	XXX	20	1/month	Grab
TSS	XXX	XXX	XXX	10	XXX	20	1/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	1/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/month	Grab

Compliance Sampling Location:

Other Comments:

This is a topographic of the facility.

