

Application Type New  
Facility Type Storm Water  
Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL INDUSTRIAL WASTE (IW)  
AND IW STORMWATER**

Application No. PA0290548  
APS ID 1059438  
Authorization ID 1389530

**Applicant and Facility Information**

Applicant Name	<u>Renewable Natural Products Inc.</u>	Facility Name	<u>Former D&amp;F Lumber Location</u>
Applicant Address	<u>350 Main Street</u> <u>Kersey, PA 15846-9126</u>	Facility Address	<u>4053 Pike Road</u> <u>Punxsutawney, PA 15767</u>
Applicant Contact	<u>George Heigel</u>	Facility Contact	<u>Michael Buhler</u>
Applicant Phone	<u>(814) 771-7346</u>	Facility Phone	<u>(814) 590-1560</u>
Client ID	<u>368169</u>	Site ID	<u>816713</u>
SIC Code	<u>2411,2421</u>	Municipality	<u>Henderson Township</u>
SIC Description	<u>Manufacturing - Logging, Manufacturing - Sawmills And Planing Mills, General</u>	County	<u>Jefferson</u>
Date Application Received	<u>March 18, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>March 31, 2022</u>	If No, Reason	<u></u>
Purpose of Application	<u>New NPDES Permit for the discharge of industrial stormwater.</u>		

**Summary of Review**

The facility was previously owned and operated by D&F Sawmill, which had authorized discharges of industrial stormwater under NPDES general Permit No. PAG038339. That permit was cancelled on April 19, 2021. The facility has since been purchased by Renewable Natural Products, Inc. and they are requesting reauthorization for discharging industrial stormwater under an Individual Permit because the PAG03 general permit has not been renewed to date.

The facility will be operating at a limited scale for production of wood components for rig mats and other wood products and log storage.

A PPC Plan was submitted with the NPDES Permit application.

There are currently no open violations listed in EFACTS for this client (6/14/2022).

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		Adam J. Pesek Adam J. Pesek, E.I.T. / Environmental Engineer	June 14, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	June 17, 2022

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>41° 0' 25"</u>	Longitude	<u>-78° 49' 46"</u>
Quad Name	<u>Du Bois</u>	Quad Code	<u>1015</u>
Wastewater Description: <u>Stormwater associated with industrial activities</u>			

Receiving Waters	<u>Unnamed Tributary to Stump Creek</u>	Stream Code	<u>----</u>
NHD Com ID	<u>123857030</u>	RMI	<u>0.2</u>
Drainage Area	<u>22.9 miles (perennial)</u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u>0 (dry), 1.12 (perennial)</u>	Q <sub>7-10</sub> Basis	<u>USGS Streamstats</u>
Elevation (ft)	<u>1474</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>17-D</u>	Chapter 93 Class.	<u>CWF</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>SILTATION, SILTATION, SILTATION</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE, ACID MINE DRAINAGE, ACID MINE DRAINAGE</u>		
TMDL Status	<u>Final</u>	Name	<u>Stump Creek Watershed</u>

Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°C)	<u>20</u>	Default (CWF)	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>

Nearest Downstream Public Water Supply Intake	<u>PA American Water Co. - Kittanning</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>2070</u>
PWS RMI	<u>45.6</u>	Distance from Outfall (mi)	<u>78</u>

Changes Since Last Permit Issuance:

Other Comments:

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>41° 0' 24"</u>	Longitude	<u>-78° 49' 44"</u>
Quad Name	<u>Du Bois</u>	Quad Code	<u>1015</u>
Wastewater Description: <u>Stormwater associated with industrial activities</u>			
Receiving Waters	<u>Unnamed Tributary to Stump Creek</u>	Stream Code	<u>---</u>
NHD Com ID	<u>123857384</u>	RMI	<u>0.22</u>
Drainage Area	<u>22.9 miles (perennial)</u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u>0 (dry); 1.12 (perennial)</u>	Q <sub>7-10</sub> Basis	<u>USGS Streamstats</u>
Elevation (ft)	<u>1485</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>17-D</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u>Final</u>	Name	<u>Stump Creek Watershed</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default (CWF)	<u></u>
Temperature (°C)	<u>20</u>	Default (CWF)	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water Co. – Kittanning</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>2070</u>
PWS RMI	<u>45.6</u>	Distance from Outfall (mi)	<u>78</u>

Changes Since Last Permit Issuance:

Other Comments:

**Development of Effluent Limitations**

<b>Outfall No.</b>	001	<b>Design Flow (MGD)</b>	0
<b>Latitude</b>	41° 0' 25.00"	<b>Longitude</b>	-78° 49' 46.00"
<b>Outfall No.</b>	002	<b>Design Flow (MGD)</b>	0
<b>Latitude</b>	41° 0' 24.00"	<b>Longitude</b>	-78° 49' 44.00"
<b>Wastewater Description:</b>		Stormwater associated with industrial activities	

**Technology-Based Limitations**

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Comments: None determined

**Water Quality-Based Limitations**

No water quality modeling was conducted due to this being a stormwater discharge only.

Comments: Due to the stream being impaired for AMD, the previously issued PAG03 Permits for this facility (the facility once held two separate permits for two separate owned facilities prior to 2019) required additional sampling for total aluminum, total iron and total manganese to collect data to determine if the discharges were contributing to the stream impairment. A review of the sampling results (see attached) shows that discharges from both outfalls are well below the most stringent Chapter 93 water quality criteria for these AMD metals. Therefore, no further monitoring is being proposed for these outfalls in this permit.

**Best Professional Judgment (BPJ) Limitations**

Comments: None

**Additional Considerations**

In accordance with the Department's Monitoring requirements and benchmark values from the PAG-03 General Permit Appendix D, which expired on 9/23/2021, will be placed in the proposed permit. These requirements are listed below:

pH (S.U.)	1 / 6 months	Grab	XXX
Chemical Oxygen Demand (COD) (mg/L)	1 / 6 months	Grab	120
Total Suspended Solids (TSS) (mg/L)	1 / 6 months	Grab	100
Pentachlorophenol (mg/L) <sup>(1)</sup>	N/A		
Total Arsenic (mg/L) <sup>(1)</sup>	N/A		
Total Chromium (mg/L) <sup>(1)</sup>	N/A		
Total Copper (mg/L) <sup>(1)</sup>	N/A		

**Footnotes**

- (1) These parameters will be omitted from the current permit because use of wood treatment additives containing these chemicals were not reported by the previous owner and there are indications that the new permittee will operate the facility any differently.

**Anti-Backsliding**

N/A

**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	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001 (prior to mixing with any other waters)

Other Comments: Samples shall be collected during a qualifying storm event.

**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 002, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001 (prior to mixing with any other waters)

Other Comments: Samples shall be collected during a qualifying storm event.



WATER MANAGEMENT SYSTEM  
ELECTRONIC DISCHARGE MONITORING REPORT - INTERNAL

Region: NWRO  
County: All  
Municipality: All  
Permit(s): PAG038339, PAG038342  
PF Inspector: All

PERMIT	PF NAME	MONITORING START DATE	MONITORING END DATE	OUTFALL	MONITORING LOCATION	PARAMETER	CONC UNITS	CONC 3 VALUE	CONC 3 LIMIT	CONC 3 SBC	SAMPLE FREQUENCY	SAMPLE TYPE
PAG038339	D&F SAWMILL	07/01/2018	12/31/2018	001	Final Effluent	Aluminum, Total	mg/L	< 0.10	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038339	D&F SAWMILL	01/01/2019	06/30/2019	001	Final Effluent	Aluminum, Total	mg/L	< 0.10	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038339	D&F SAWMILL	07/01/2019	12/31/2019	001	Final Effluent	Aluminum, Total	mg/L	0.27	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038339	D&F SAWMILL	07/01/2019	12/31/2019	002	Final Effluent	Aluminum, Total	mg/L	A	Monitor and Report	Daily Maximum		
PAG038342	HICKORY HILL HARDWOODS	07/01/2018	12/31/2018	001	Final Effluent	Aluminum, Total	mg/L	0.15	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038342	HICKORY HILL HARDWOODS	01/01/2019	06/30/2019	001	Final Effluent	Aluminum, Total	mg/L	GG	Monitor and Report	Daily Maximum		
PAG038339	D&F SAWMILL	07/01/2018	12/31/2018	001	Final Effluent	Iron, Total	mg/L	0.12	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038339	D&F SAWMILL	01/01/2019	06/30/2019	001	Final Effluent	Iron, Total	mg/L	0.11	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038339	D&F SAWMILL	07/01/2019	12/31/2019	001	Final Effluent	Iron, Total	mg/L	0.39	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038339	D&F SAWMILL	07/01/2019	12/31/2019	002	Final Effluent	Iron, Total	mg/L	A	Monitor and Report	Daily Maximum		
PAG038342	HICKORY HILL HARDWOODS	07/01/2018	12/31/2018	001	Final Effluent	Iron, Total	mg/L	0.31	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038342	HICKORY HILL HARDWOODS	01/01/2019	06/30/2019	001	Final Effluent	Iron, Total	mg/L	GG	Monitor and Report	Daily Maximum		
PAG038339	D&F SAWMILL	07/01/2018	12/31/2018	001	Final Effluent	Manganese, Total	mg/L	< 0.05	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038339	D&F SAWMILL	01/01/2019	06/30/2019	001	Final Effluent	Manganese, Total	mg/L	0.05	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038339	D&F SAWMILL	07/01/2019	12/31/2019	001	Final Effluent	Manganese, Total	mg/L	< 0.05	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038339	D&F SAWMILL	07/01/2019	12/31/2019	002	Final Effluent	Manganese, Total	mg/L	A	Monitor and Report	Daily Maximum		
PAG038342	HICKORY HILL HARDWOODS	07/01/2018	12/31/2018	001	Final Effluent	Manganese, Total	mg/L	< 0.05	Monitor and Report	Daily Maximum	1/6 months	Grab
PAG038342	HICKORY HILL HARDWOODS	01/01/2019	06/30/2019	001	Final Effluent	Manganese, Total	mg/L	GG	Monitor and Report	Daily Maximum		