

Application Type   **New**    
 Facility Type   **Storm Water**    
 Major / Minor   **Minor**  

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

Application No.   **PA0272108**    
 APS ID   **988171**    
 Authorization ID   **1264499**  

**Applicant and Facility Information**

Applicant Name	<u>  <b>Brownlee Lumber, Inc.</b>  </u>	Facility Name	<u>  <b>Brownlee Lumber Manufacturing</b>  </u>
Applicant Address	<u>  2652 Hazen Richardsville Road   Brookville, PA 15825  </u>	Facility Address	<u>  2652 Hazen Richardsville Road   Brookville, PA 15825  </u>
Applicant Contact	<u>  Matt Brownlee, Operations Specialist  </u>	Facility Contact	<u>  Matt Brownlee, Operations Specialist  </u>
Applicant Phone	<u>  (814) 328-2991  </u>	Facility Phone	<u>  (814) 328-2991  </u>
Client ID	<u>  96166  </u>	Site ID	<u>  466351  </u>
SIC Code	<u>  2421  </u>	Municipality	<u>  Warsaw Township  </u>
SIC Description	<u>  Manufacturing - Sawmills And Planing   Mills, General  </u>	County	<u>  Jefferson County  </u>
Date Application Received	<u>  February 19, 2019  </u>	EPA Waived?	<u>  Yes  </u>
Date Application Accepted	<u>  March 8, 2019  </u>	If No, Reason	<u>  -  </u>
Purpose of Application	<u>  New NPDES Individual Industrial Waste Permit for an existing discharge of stormwater.  </u>		

**Summary of Review**

Act 14 - Proof of Notification was submitted and received.

This facility is subject to the ELGs under §429.124 - New source performance standards (NSPS): There shall be no discharge of process wastewater pollutants into navigable waters. The monitoring requirements in Appendix D for Timber Products from the stormwater PAG-03 General Permit were also applied.

A Part II Water Quality Management permit is not required at this time.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

Part C REQUIREMENTS:

- I. Stormwater Outfalls and Authorized Non-Stormwater Discharges
- II. Best Management Practices (BMPs)
- III. Routine Inspections
- IV. Preparedness, Prevention and Contingency (PPC) Plan
- V. Stormwater Monitoring Requirements
- VI. Other Requirements

There are no open violations in effects associated with the subject Client ID (96166) as of 10/30/2019.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	
X		Justin C. Dickey, P.E. / Environmental Engineer Manager	

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

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.00</u>
Latitude	<u>41° 13' 50.46"</u>	Longitude	<u>-78° 59' 48.72"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Unnamed Tributary to the Pekin Run (HQ-CWF)</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>123859801</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi <sup>2</sup> )	<u>-</u>
Q <sub>7-10</sub> Flow (cfs)	<u>-</u>	Q <sub>7-10</sub> Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>17-C</u>	Chapter 93 Class.	<u>HQ-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>-</u>	Name	<u>-</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>
Nearest Downstream Public Water Supply Intake	<u>Brookville Municipal Authority</u>		
PWS Waters	<u>North Fork Creek</u>	Flow at Intake (cfs)	<u>9.83</u>
PWS RMI	<u>0.3</u>	Distance from Outfall (mi)	<u>9.0</u>

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.

Receiving stream details

The receiving stream is tributary to the Pekin Run, which is tributary to the North Fork Redbank Creek. The North Fork Redbank Creek was designated as a conservation area in 1973, which provided similar protections as the current high-quality designations. The North Fork Redbank Creek was designated for high-quality protection with the 1979 rulemaking (see Attachment 3).

Anti-Degradation details

None of the six non-discharge alternatives in Module 1 were found to be feasible at this facility. This justification satisfies the SEJ requirements under Chapter 93.4c(b)(1)(iii).

Brownlee Lumber was started in 1973, and the sawmill was built in 1978 (see Attachment 4). Based on the history of this facility, the stormwater discharges are considered grandfathered with respect to the Anti-Degradation requirements in Chapter 93.

In addition, both outfalls at the Brownlee Lumber Manufacturing site have sedimentation traps prior to discharging.

Attachment List:

- Attachment 1 - Topographical Map of the Facility Area
- Attachment 2 - Aerial Map of the STP
- Attachment 3 - Stream HQ Designation Details
- Attachment 4 - History of Brownlee Lumber

If viewing this electronically, please refer to the following PDF to view the above Attachments:



Adobe Acrobat  
Document

**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	Semi-Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report SEMI AVG	XXX	XXX	XXX	XXX	XXX	1/6 months	Estimate
pH (S.U.)	XXX	XXX	Report Inst Min	XXX	XXX	Report	1/6 months	Grab
Dissolved Oxygen	XXX	XXX	Report Inst Min	XXX	XXX	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Arsenic, Total (1)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Chromium, Total (1)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Copper, Total (1)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Pentachloro-phenol (2)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab

(1) Facilities that use chromium/copper/arsenic formulations must monitor for Total Arsenic, Total Chromium and Total Copper. For all other facilities, monitoring for Total Arsenic, Total Chromium and Total Copper is optional. If monitoring is not conducted, the permittee shall use a No Discharge Indicator (NODI) code on the DMR in lieu of sample data.

(2) Facilities that use chlorophenolic formulations must monitor for Pentachlorophenol. For all other facilities, monitoring for Pentachlorophenol is optional. If monitoring is not conducted, the permittee shall use a No Discharge Indicator (NODI) code on the DMR in lieu of sample data.

Samples taken at the following location: Outfall 001, prior to mixing with any other wastewaters.

Monitoring for Flow, pH, Dissolved Oxygen, COD, TSS, Total Arsenic, Total Chromium, Total Copper, and Pentachloro-phenol is based on the stormwater monitoring requirements for Appendix D facilities from the PAG-03 General Permit.

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

Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0.00</u>
Latitude	<u>41° 13' 43.38"</u>	Longitude	<u>-78° 59' 51.06"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater</u>			

Receiving Waters	<u>Unnamed Tributary to the Pekin Run (HQ-CWF)</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>123859801</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi <sup>2</sup> )	<u>-</u>
Q <sub>7-10</sub> Flow (cfs)	<u>-</u>	Q <sub>7-10</sub> Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>17-C</u>	Chapter 93 Class.	<u>HQ-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>-</u>	Name	<u>-</u>

Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>

Nearest Downstream Public Water Supply Intake	<u>Brookville Municipal Authority</u>		
PWS Waters	<u>North Fork Creek</u>	Flow at Intake (cfs)	<u>9.83</u>
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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	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	Semi-Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report SEMI AVG	XXX	XXX	XXX	XXX	XXX	1/6 months	Estimate
pH (S.U.)	XXX	XXX	Report Inst Min	XXX	XXX	Report	1/6 months	Grab
Dissolved Oxygen	XXX	XXX	Report Inst Min	XXX	XXX	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Arsenic, Total (1)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Chromium, Total (1)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Copper, Total (1)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Pentachloro-phenol (2)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab

(1) Facilities that use chromium/copper/arsenic formulations must monitor for Total Arsenic, Total Chromium and Total Copper. For all other facilities, monitoring for Total Arsenic, Total Chromium and Total Copper is optional. If monitoring is not conducted, the permittee shall use a No Discharge Indicator (NODI) code on the DMR in lieu of sample data.

(2) Facilities that use chlorophenolic formulations must monitor for Pentachlorophenol. For all other facilities, monitoring for Pentachlorophenol is optional. If monitoring is not conducted, the permittee shall use a No Discharge Indicator (NODI) code on the DMR in lieu of sample data.

Samples taken at the following location: Outfall 002, prior to mixing with any other wastewaters.

Monitoring for Flow, pH, Dissolved Oxygen, COD, TSS, Total Arsenic, Total Chromium, Total Copper, and Pentachloro-phenol is based on the stormwater monitoring requirements for Appendix D facilities from the PAG-03 General Permit.