pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PAS228302**
Facility Type	**Storm Water**	APS ID	**1006756**
Major / Minor	**Minor**	Authorization ID	**1297208**

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

Applicant and Facility Information

Applicant Name	**Northwest Hardwoods Inc.**	Facility Name	**Northwest Hardwoods Endeavor Facility**
Applicant Address	PO Box 67, 17403 PA Route 666 Endeavor, PA 16322	Facility Address	17403 PA Route 666 Endeavor, PA 16322
Applicant Contact	Laura Struchen, EHS Coordinator	Facility Contact	Jason Stanley, Facility Manager
Applicant Phone	814-827-4110	Facility Phone	814-463-7701
Client ID	289149	Site ID	457059
SIC Code	2421, 2426	Municipality	Hickory Township
SIC Description	Manufacturing - Hardwood Dimension And Flooring Mills, Manufacturing - Sawmills And Planing Mills, General	County	Forest County
Date Application Received	October 30, 2019	EPA Waived?	Yes
Date Application Accepted	November 26, 2019	If No, Reason	-
Purpose of Application	Renewal of an existing NPDES Individual Industrial Waste Permit for existing discharges of stormwater from a sawmill/lumber facility.		

Summary of Review

Act 14 - Proof of Notification was submitted and received.

This facility is not subject to any ELGs.

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

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

Part C:

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 efacts associated with the subject Client ID (289149) as of 10/14/2020.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	10/14/2020
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	October 19, 2020

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.00
Latitude	41° 35’ 18.00”	Longitude	79° 22’ 47.00”
Quad Name	-	Quad Code	-
Wastewater Description:	stormwater runoff from the log storage area.		
Receiving Waters	East Hickory Creek (HQ-CWF)	Stream Code	55629
NHD Com ID	100473031	RMI	1.7
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-F	Chapter 93 Class.	HQ-CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	-

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

Nearest Downstream Public Water Supply Intake	Aqua Pennsylvania, Inc. - Emlenton		
PWS Waters	Allegheny River	Flow at Intake (cfs)	1,376
PWS RMI	90.0	Distance from Outfall (mi)	54.0

The only stormwater treatment in place at this site is a 24,000 gallon sedimentation basin prior to Outfall 001.

Boiler blowdown is produced at this site, but it is disposed of through an evaporator.

Compliance History

DMR Data for Outfall 001 (from September 1, 2019 to August 31, 2020)

Parameter	AUG-20	JUL-20	JUN-20	MAY-20	APR-20	MAR-20	FEB-20	JAN-20	DEC-19	NOV-19	OCT-19	SEP-19
pH (S.U.) Minimum			7.3			7.4			8.0			7.4
pH (S.U.) Maximum			7.3			7.4			8.0			7.4
COD (mg/L) Average Monthly			< 5.0			5.54			< 5.0			17.1
TSS (mg/L) Average Monthly			< 5.0			16.0			< 5.0			14.0

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: ./DMR_EFFECTIVE_DATE_MONTH through ./DMR_EXPIRATION_DATE_MONTH.

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 Quarterly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
COD	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 001.

The limits for pH are technology-based on Chapter 95.2. Chemical Oxygen Demand and Total Suspended Solids are monitor only based on Chapter 92a.61.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0.00
Latitude	41° 35’ 18.00”	Longitude	79° 22’ 54.00”
Quad Name	-	Quad Code	-

Wastewater Description: stormwater runoff from the kilns and the stacker areas

Receiving Waters	East Hickory Creek (HQ-CWF)	Stream Code	55629
NHD Com ID	100473031	RMI	1.6
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-F	Chapter 93 Class.	HQ-CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-

Assessment Status: Attaining Use(s)
Cause(s) of Impairment: -
Source(s) of Impairment: -
TMDL Status: - Name: -

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

Nearest Downstream Public Water Supply Intake: Aqua Pennsylvania, Inc. - Emlenton

PWS Waters	Allegheny River	Flow at Intake (cfs)	1,376
PWS RMI	90.0	Distance from Outfall (mi)	54.0

Compliance History

DMR Data for Outfall 002 (from September 1, 2019 to August 31, 2020)

Parameter	AUG-20	JUL-20	JUN-20	MAY-20	APR-20	MAR-20	FEB-20	JAN-20	DEC-19	NOV-19	OCT-19	SEP-19
pH (S.U.) Minimum			7.3			7.6			8.0			8.0
pH (S.U.) Maximum			7.3			7.6			8.0			8.0
COD (mg/L) Average Monthly			< 5.0			< 5.0			< 5.0			5.62
TSS (mg/L) Average Monthly			< 5.0			< 5.0			< 5.0			< 5.0

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: ./DMR_EFFECTIVE_DATE_MONTH through ./DMR_EXPIRATION_DATE_MONTH.

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 Quarterly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
COD	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 002.

The limits for pH are technology-based on Chapter 95.2. Chemical Oxygen Demand and Total Suspended Solids are monitor only based on Chapter 92a.61.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	0.00
Latitude	41° 35’ 18.00”	Longitude	79° 23’ 00.00”
Quad Name	-	Quad Code	-
Wastewater Description:	stormwater runoff from the grading building area.		

Receiving Waters	East Hickory Creek (HQ-CWF)	Stream Code	55629
NHD Com ID	100473031	RMI	1.5
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-F	Chapter 93 Class.	HQ-CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	-

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

Nearest Downstream Public Water Supply Intake	Aqua Pennsylvania, Inc. - Emlenton		
PWS Waters	Allegheny River	Flow at Intake (cfs)	1,376
PWS RMI	90.0	Distance from Outfall (mi)	54.0

Compliance History

DMR Data for Outfall 003 (from September 1, 2019 to August 31, 2020)

Parameter	AUG-20	JUL-20	JUN-20	MAY-20	APR-20	MAR-20	FEB-20	JAN-20	DEC-19	NOV-19	OCT-19	SEP-19
pH (S.U.) Minimum			7.2			7.3			7.6			7.6
pH (S.U.) Maximum			7.2			7.3			7.6			7.6
COD (mg/L) Average Monthly			5.54			7.97			< 5.0			< 5.0
TSS (mg/L) Average Monthly			< 5.0			15.5			< 5.0			< 5.0

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 003, Effective Period: ./DMR_EFFECTIVE_DATE_MONTH through ./DMR_EXPIRATION_DATE_MONTH.

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 Quarterly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
COD	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 003.

The limits for pH are technology-based on Chapter 95.2. Chemical Oxygen Demand and Total Suspended Solids are monitor only based on Chapter 92a.61.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	004	Design Flow (MGD)	0.00
Latitude	41° 35’ 22.00”	Longitude	79° 23’ 03.00”
Quad Name	-	Quad Code	-
Wastewater Description:	stormwater runoff from the board storage area.		
Receiving Waters	Unnamed Tributary to the East Hickory Creek (HQ-CWF)	Stream Code	N/A
NHD Com ID	-	RMI	N/A
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-F	Chapter 93 Class.	HQ-CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	-

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

Nearest Downstream Public Water Supply Intake	Aqua Pennsylvania, Inc. - Emlenton		
PWS Waters	Allegheny River	Flow at Intake (cfs)	1,376
PWS RMI	90.0	Distance from Outfall (mi)	54.0

Compliance History

DMR Data for Outfall 004 (from September 1, 2019 to August 31, 2020)

Parameter	AUG-20	JUL-20	JUN-20	MAY-20	APR-20	MAR-20	FEB-20	JAN-20	DEC-19	NOV-19	OCT-19	SEP-19
pH (S.U.) Minimum			7.3			6.9			7.2			7.5
pH (S.U.) Maximum			7.3			6.9			7.2			7.5
COD (mg/L) Average Monthly			11.2			25.8			< 5.0			6.42
TSS (mg/L) Average Monthly			6.0			26.5			< 5.0			< 5.0

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 004, Effective Period: ./DMR_EFFECTIVE_DATE_MONTH through ./DMR_EXPIRATION_DATE_MONTH.

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 Quarterly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
COD	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 004.

The limits for pH are technology-based on Chapter 95.2. Chemical Oxygen Demand and Total Suspended Solids are monitor only based on Chapter 92a.61.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	005	Design Flow (MGD)	0.00
Latitude	41° 35’ 18.00”	Longitude	79° 22’ 52.00”
Quad Name	-	Quad Code	-

Wastewater Description: stormwater runoff from the boiler buildings area.

Receiving Waters	East Hickory Creek (HQ-CWF)	Stream Code	55629
NHD Com ID	100473031	RMI	1.63
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-F	Chapter 93 Class.	HQ-CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-

Assessment Status: Attaining Use(s)
Cause(s) of Impairment: -
Source(s) of Impairment: -
TMDL Status: - Name: -

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

Nearest Downstream Public Water Supply Intake: Aqua Pennsylvania, Inc. - Emlenton

PWS Waters	Allegheny River	Flow at Intake (cfs)	1,376
PWS RMI	90.0	Distance from Outfall (mi)	54.0

Compliance History

DMR Data for Outfall 005 (from September 1, 2019 to August 31, 2020)

Parameter	AUG-20	JUL-20	JUN-20	MAY-20	APR-20	MAR-20	FEB-20	JAN-20	DEC-19	NOV-19	OCT-19	SEP-19
pH (S.U.) Minimum			7.4			6.8			7.7			7.4
pH (S.U.) Maximum			7.4			6.8			7.7			7.4
COD (mg/L) Average Monthly			5.14			13.2			< 5.0			10.4
TSS (mg/L) Average Monthly			< 5.0			< 5.0			< 5.0			< 5.0

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 005, Effective Period: ./DMR_EFFECTIVE_DATE_MONTH through ./DMR_EXPIRATION_DATE_MONTH.

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 Quarterly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
COD	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 005.

The limits for pH are technology-based on Chapter 95.2. Chemical Oxygen Demand and Total Suspended Solids are monitor only based on Chapter 92a.61.