

Application Type Renewal
 Facility Type Storm Water
 Major / Minor Minor

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

Application No. PAS228302
 APS ID 1140868
 Authorization ID 1533044

Applicant and Facility Information

Applicant Name	<u>Northwest Hardwoods Inc.</u>	Facility Name	<u>Northwest Hardwoods Endeavor Facility</u>
Applicant Address	<u>17403 Pa Route 666</u> <u>Endeavor, PA 16322-0067</u>	Facility Address	<u>17403 Route 666</u> <u>Endeavor, PA 16322-0067</u>
Applicant Contact	<u>Laura Struchen</u>	Facility Contact	<u></u>
Applicant Phone	<u></u>	Facility Phone	<u></u>
Client ID	<u>289149</u>	Site ID	<u>457059</u>
SIC Code	<u>2421,2426</u> Manufacturing - Hardwood Dimension And Flooring Mills, Manufacturing - Sawmills And Planing Mills, General	Municipality	<u>Hickory Township</u>
SIC Description	<u></u>	County	<u>Forest</u>
Date Application Received	<u>July 3, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>July 8, 2025</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>NPDES Permit Coverage for Individual Permit to Discharge Industrial Stormwater</u>		

Summary of Review

Northwest Hardwood Inc. submitted a renewal application on July 3, 2025, requesting reissuance of Individual NPDES Permit No. **PAS228302** which will expire on December 31, 2025. The existing facility operates a lumber yard with sawmill and kiln operations. The site has an SIC code 2421 which falls under Appendix D of the PAG-03 General Permit. However, no chemical formula or additives are specified in the application as additional sampling to the site.

The facility was last inspected on January 24, 2024. No violations were noted.

Act 14 notifications were submitted and received.

This facility is not subject to any ELGs. A Part II Water Quality Management permit is not required at this time.

There are 2 open violations in WMS for the subject Client ID (289149) as of October 3, 2025.. A list of these violations is provided below. The final permit may not be issued unless these violations are resolved.

VIOLATION DATE	INSP PROGRAM	VIOLATION
03/03/2025	Air Quality	Construction, Modification, Reactivation and Operation of Sources, Plan Approval and Operating Permit Fees, Operating permit fees under Subchapter F. Failure to submit operating permit fees.
03/04/2025	WPC NPDES	NPDES - Failure to pay annual fee

Approve	Deny	Signatures	Date
x		Adebayo Olude Adebayo Olude / Civil Engineer Trainee	October 3, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	October 6, 2025

Summary of Review

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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>41° 35' 17.69"</u>	Longitude	<u>-79° 22' 49.54"</u>
Quad Name	<u>West Hickory</u>	Quad Code	<u>41079E4</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>East Hickory Creek (HQ-CWF)</u>	Stream Code	<u>55629</u>
NHD Com ID	<u>100473031</u>	RMI	<u>0.5500</u>
Drainage Area	<u>55.7</u>	Yield (cfs/mi ²)	<u>0.0583</u>
Q ₇₋₁₀ Flow (cfs)	<u>3.25</u>	Q ₇₋₁₀ Basis	<u>USGS Streams Stats</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>16-F</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>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1,376</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>55</u>

Changes Since Last Permit Issuance: None

Other Comments:

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>41° 35' 17.56"</u>	Longitude	<u>-79° 22' 54.18"</u>
Quad Name	<u>West Hickory</u>	Quad Code	<u>41079E4</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>East Hickory Creek (HQ-CWF)</u>	Stream Code	<u>55629</u>
NHD Com ID	<u>100473031</u>	RMI	<u>0.4900</u>
Drainage Area	<u>55.7</u>	Yield (cfs/mi ²)	<u>0.0583</u>
Q ₇₋₁₀ Flow (cfs)	<u>3.25</u>	Q ₇₋₁₀ Basis	<u>USGS Streams Stats</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>16-F</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>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1,376</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>55</u>

Changes Since Last Permit Issuance: None

Other Comments:

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>003</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>41° 35' 17.74"</u>	Longitude	<u>-79° 22' 59.50"</u>
Quad Name	<u>West Hickory</u>	Quad Code	<u>41079E4</u>
Wastewater Description: <u>Stormwater</u>			

Receiving Waters	<u>East Hickory Creek (HQ-CWF)</u>	Stream Code	<u>55629</u>
NHD Com ID	<u>100473031</u>	RMI	<u>0.4100</u>
Drainage Area	<u>55.7</u>	Yield (cfs/mi ²)	<u>0.0583</u>
Q ₇₋₁₀ Flow (cfs)	<u>3.25</u>	Q ₇₋₁₀ Basis	<u>USGS Streams Stats</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>16-F</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 Attaining Use(s)

Cause(s) of Impairment

Source(s) of Impairment

TMDL Status Name

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>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1,376</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>55</u>

Changes Since Last Permit Issuance: None

Other Comments:

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>004</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>41° 35' 17.89"</u>	Longitude	<u>-79° 23' 2.94"</u>
Quad Name	<u>West Hickory</u>	Quad Code	<u>41079E4</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>East Hickory Creek (HQ-CWF)</u>	Stream Code	<u>55629</u>
NHD Com ID	<u>100473031</u>	RMI	<u>0.3600</u>
Drainage Area	<u>55.7</u>	Yield (cfs/mi ²)	<u>0.0583</u>
Q ₇₋₁₀ Flow (cfs)	<u>3.25</u>	Q ₇₋₁₀ Basis	<u>USGS Streams Stats</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>16-F</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>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1,376</u>
PWS RMI	<u>9.0</u>	Distance from Outfall (mi)	<u>55</u>

Changes Since Last Permit Issuance: None

Other Comments:

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>005</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>41° 35' 17.68"</u>	Longitude	<u>-79° 22' 51.95"</u>
Quad Name	<u>West Hickory</u>	Quad Code	<u>41079E4</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>East Hickory Creek (HQ-CWF)</u>	Stream Code	<u>55629</u>
NHD Com ID	<u>100473031</u>	RMI	<u>0.5200</u>
Drainage Area	<u>55.7</u>	Yield (cfs/mi ²)	<u>0.0583</u>
Q ₇₋₁₀ Flow (cfs)	<u>3.25</u>	Q ₇₋₁₀ Basis	<u>USGS Streams Stats</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>16-F</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>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1,376</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>55</u>

Changes Since Last Permit Issuance: None

Other Comments:

Compliance History

DMR Data for Outfall 001 (from June 1, 2024 to May 31, 2025)

Parameter	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24
pH (S.U.) Instantaneous Minimum			6.2			6.9			6.8			7.2
pH (S.U.) Instantaneous Maximum			6.2			6.9			6.8			7.2
COD (mg/L) Average Quarterly			11.06			14.8			5.83			31.1
TSS (mg/L) Average Quarterly			7.0			3.4			< 2.0			6.0

DMR Data for Outfall 002 (from June 1, 2024 to May 31, 2025)

Parameter	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24
pH (S.U.) Instantaneous Minimum			6.2			7.4			6.9			7.2
pH (S.U.) Instantaneous Maximum			6.2			7.4			6.9			7.2
COD (mg/L) Average Quarterly			7.4			15.3			6.90			34.5
TSS (mg/L) Average Quarterly			4.8			4.6			< 2.0			6.2

DMR Data for Outfall 003 (from June 1, 2024 to May 31, 2025)

Parameter	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24
pH (S.U.) Instantaneous Minimum			6.2			6.9			7.0			7.2
pH (S.U.) Instantaneous Maximum			6.2			6.9			7.0			7.2
COD (mg/L) Average Quarterly			8.65			13.8			7.56			25.3

**NPDES Permit Fact Sheet
Northwest Hardwoods Endeavor Facility**

NPDES Permit No. PAS228302

TSS (mg/L) Average Quarterly			5.2			4.0			< 2.0			5.8
---------------------------------	--	--	-----	--	--	-----	--	--	-------	--	--	-----

DMR Data for Outfall 004 (from June 1, 2024 to May 31, 2025)

Parameter	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24
pH (S.U.) Instantaneous Minimum			6.2			7.3			7.0			7.3
pH (S.U.) Instantaneous Maximum			6.2			7.3			7.0			7.3
COD (mg/L) Average Quarterly			6.85			13.6			< 5.0			39.2
TSS (mg/L) Average Quarterly			4.0			4.0			< 2.0			7.8

DMR Data for Outfall 005 (from June 1, 2024 to May 31, 2025)

Parameter	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24
pH (S.U.) Instantaneous Minimum			6.2			7.9			7.0			7.3
pH (S.U.) Instantaneous Maximum			6.2			7.9			7.0			7.3
COD (mg/L) Average Quarterly			< 5.0			7.09			7.46			31.5
TSS (mg/L) Average Quarterly			3.6			3.8			< 2.0			9.0

Development of Effluent Limitations

Outfall No.	<u>001, 002, 003, 004, & 005</u>	Design Flow (MGD)	<u>0.0</u>
	Latitude:		Longitude:
Outfall 001	<u>41° 35' 18"</u>		<u>-79° 22' 47"</u>
Outfall 002	<u>41° 35' 18"</u>		<u>-79° 22' 54"</u>
Outfall 003	<u>41° 35' 18"</u>		<u>-79° 22' 00"</u>
Outfall 004	<u>41° 35' 22"</u>		<u>-79° 23' 03"</u>
Outfall 005	<u>41° 35' 18"</u>		<u>-79° 22' 52"</u>
Wastewater Description:	<u>Stormwater</u>		

Technology-Based Limitations

Outfalls 001, 002, 003, 004, and 005, are subject to PAG-03 General Stormwater Permit conditions as a minimum requirement because the outfalls receive stormwater. The SIC code for the site is 2421 and the corresponding appendix of the PAG-03 applied to the facility is Appendix D. The reporting requirements applicable to stormwater discharges are shown below.

Table 2. Technology -Based Limits and Monitoring Requirements

Parameter	Limit (mg/l)	SBC	Measurement Frequency	Sample Type
pH	Report	Average Quarterly	1/quarter	Grab
Chemical Oxygen Demand	Report	Average Quarterly	1/quarter	Grab
Total Suspended Solids	Report	Average Quarterly	1/quarter	Grab
Pentachlorophenol	Report	Average Quarterly	1/quarter	Grab
Total Arsenic	Report	Average Quarterly	1/quarter	Grab
Total Chromium	Report	Average Quarterly	1/quarter	Grab
Total Copper	Report	Average Quarterly	1/quarter	Grab
Total Nitrogen	Report	IMAX	1/6 months	Grab
Total Phosphorus	Report	IMAX	1/6 months	Grab

Comments: Monitoring for Pentachlorophenol, Total Arsenic, Total Chromium, Total Copper, Total Nitrogen and Total Phosphorus was added based on the stormwater requirements for Appendix D facilities from the PAG-03 General Permit.

Water Quality-Based Limitations

Stormwater WQBELS

Water Quality Modeling for stormwater is not currently conducted under current DEP water quality review practices. Water quality criteria compliance is determined under low flow (Q₇₋₁₀ Flow) conditions, where stormwater influences would not be accurate since stormwater runoff occurs at variable rates and frequencies, but not however during Q₇₋₁₀ conditions.

Anti-Backsliding

Table 1. Current Permit Effluent Limitations

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

Comments: The previous permit limitations, monitoring requirements, and conditions will be retained with the addition of monitoring for Pentachlorophenol, Total Arsenic, Total Chromium, Total Copper, Total Nitrogen and Total Phosphorus.

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” (386-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum ⁽¹⁾ 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
Total Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Arsenic, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Chromium, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Copper, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Pentachlorophenol ⁽³⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 001

Other Comments: 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. Monitoring for pH, COD, TSS, Total Arsenic, Total Chromium, Total Copper, Pentachloro-phenol, Total Nitrogen, and Total Phosphorus are based on the stormwater requirements for Appendix D facilities from the PAG-03 General Permit.

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” (386-0400-001), SOPs and/or BPJ.

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

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum ⁽¹⁾ 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
Total Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Arsenic, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Chromium, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Copper, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Pentachlorophenol ⁽³⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 002

Other Comments: 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

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” (386-0400-001), SOPs and/or BPJ.

Outfall 003, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum ⁽¹⁾ 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
Total Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Arsenic, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Chromium, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Copper, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Pentachlorophenol ⁽³⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 003

Other Comments: 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

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” (386-0400-001), SOPs and/or BPJ.

Outfall 004, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum ⁽¹⁾ 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
Total Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Arsenic, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Chromium, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Copper, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Pentachlorophenol ⁽³⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 004

Other Comments: 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

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” (386-0400-001), SOPs and/or BPJ.

Outfall 005, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum ⁽¹⁾ 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
Total Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Arsenic, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Chromium, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Copper, Total ⁽²⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Pentachlorophenol ⁽³⁾	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 005

Other Comments: 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

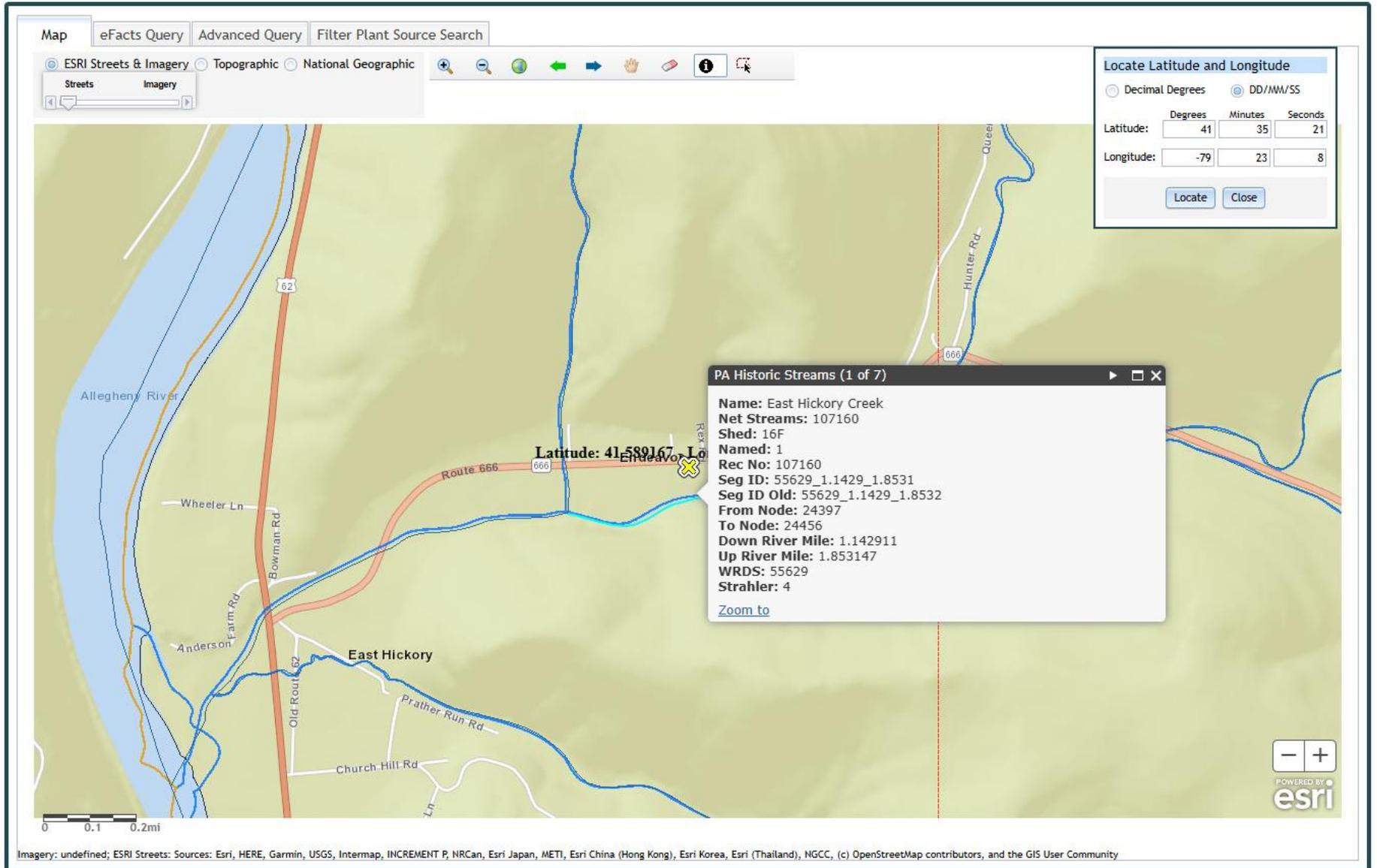
⁽²⁾ Facilities that use chromium/copper/arsenic formulations must monitor for Total Arsenic, Total Chromium and Total Copper. For all other facilities, monitoring for Total Arsenic, Total Chromium and Total Copper is optional. If monitoring is not conducted, the permittee shall use a No Discharge Indicator (NODI) code on the DMR in lieu of sample data.

⁽³⁾ 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.

Compliance Sampling Location: at Outfalls 001, 002, 003, 004, and 005.

Monitoring for pH, COD, TSS, Total Arsenic, Total Chromium, Total Copper, Pentachloro-phenol, Total Nitrogen, and Total Phosphorus are based on the stormwater requirements for Appendix D facilities from the PAG-03 General Permit.

Attachment 1
eMAP- Receiving Streams Information



Attachment 2
Google Earth - Imagery

