

Application Type New
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0276812
APS ID 1100860
Authorization ID 1461753


Applicant and Facility Information

Applicant Name	<u>Weatherly Casting & Mach Co. LLC</u>	Facility Name	<u>Weatherly Plant</u>
Applicant Address	<u>500 E Centre Street</u>	Facility Address	<u>300 Commerce Street</u>
	<u>Ashland, PA 17921-2018</u>		<u>Weatherly, PA 18255-1200</u>
Applicant Contact	<u>Chrissy Cleaver or Matthew Farrow</u> <u>(Facility Mgr., alt contact)</u>	Facility Contact	<u>Matthew Sparrow</u>
	<u>(570) 875-6204 (Cleaver, Purchasing</u> <u>MGR)</u>		
Applicant Phone	<u>(570) 436-8247 (Farrow, Facility MGR)</u>	Facility Phone	<u>(570) 436-8247</u>
Client ID	<u>351211</u>	Site ID	<u>449006</u>
SIC Code	<u>3325 (primary); 3561 (secondary)</u>	Municipality	<u>Weatherly Borough</u>
	<u>Manufacturing - Steel Foundries, Nec;</u> <u>Pumps and Pumping Equipment</u> <u>manufacturing</u>		
SIC Description		County	<u>Carbon</u>
Date Application Received	<u>September 22, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 15, 2023</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Replacement Individual IW Stormwater NPDES Permit</u>		

Summary of Review

This Individual IW Stormwater NPDES Permit is for (existing) IW stormwater discharges to Koons Creek (HQ-CWF) a.k.a. Trib# 62974 to Black Creek (subject to the Black Creek Watershed TDML (AMD)) and Black Creek (CWF). Koons Creek flows to an impaired segment of Black Creek (CWF; Stream Code# 4139; AMD-impaired) which flows into the Lehigh River.

- **Permit Type Change:** This permit will replace previous PAG-03 IW Stormwater General NPDES Permit No. **PAR202219** coverage. An Individual IW Stormwater Permit was required when the receiving stream was determined to be a HQ-CWF receiving stream (not coverable by the PAG-03). The facility has been operating under the current PAG-03 statewide permit until final permit action.
 - The previous PAG-03 permitting allowed use of Outfall No. 001 as a representative outfall for Outfall Nos. 002 and 003 in previous permit terms. Pre-2004 stormwater discharges (Outfall Nos. 001, 002, and 003) to Koons Creek are "grandfathered". Application-identified post-2004 site changes:
 - Drainage Area/Outfall 001: No new, additional, or increased industrial activities/material handling since 2004
 - Drainage Area/Outfall 002: No identified active industrial activity/material handling area. Includes discharges from historic disturbed mountaintop area, wooded area, and parking lot.
 - Drainage Area/Outfall 003: one (1) 6,500 sf building built in 2006. The building has a roof surface of 6,500 sf and has roof drains which combine underground and are discharged directly to Outfall 003 (Borough Owned Storm Drain).
 - Drainage Area/Outfall 004: Does not discharge to HQ watershed.
 - The existing industrial site/facility has been operating under the PAG-03 coverage since 1993, with the receiving stream (Koons Creek) being reclassified as HQ watershed in 2004.
- **Application:**

Approve	Deny	Signatures	Date
X		James D. Berger (signed) James D. Berger, P.E. / Environmental Engineer	October 10, 2025
X		 Edward Dudick, P.E. / Environmental Engineer Manager	October 15, 2025

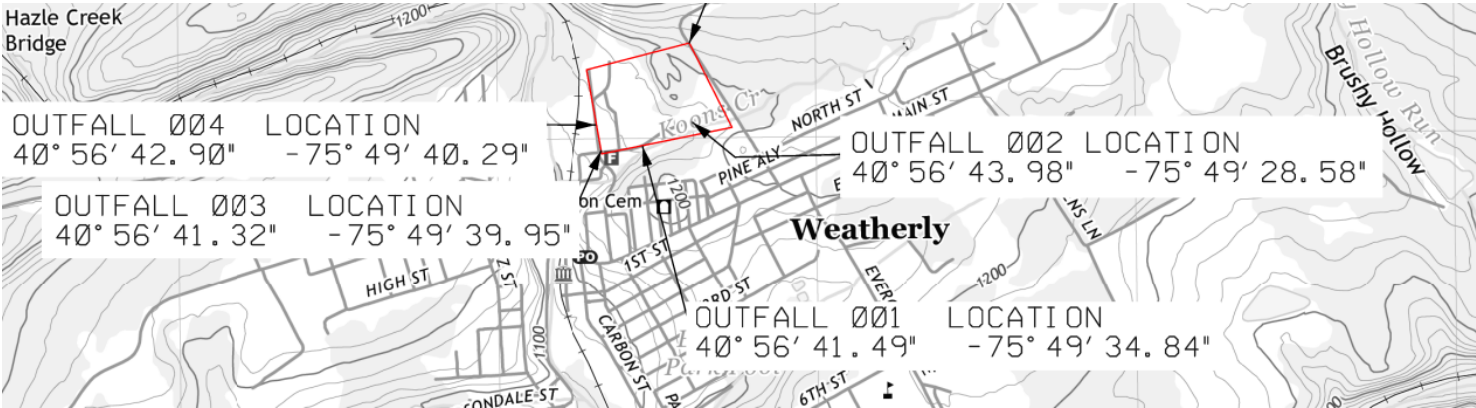
Summary of Review

- **Public Upload# 99910 (revised 9/5/2024 and revised 8/22/2025):**
 - Omitted Module 1 (Antidegradation) for Outfall No. 001. See Public Upload# **269707** for previously submitted Outfall 001 Module 1
 - Original application misfiled as response to PAG-03 Incompleteness letter when came in. The cover sheet had indicated it was a PAG-03 renewal.
- On-Base# 122619 (received 9/20/2023): Original Application for Individual IW Stormwater NPDES Permit. Active IW area identified as 814,268 SF, 35% impervious. The Site plan's drainage area would largely correspond to the revised Outfall No. 001 drainage area.
- Public Upload# 269707 (revised 11/6/2024 Individual IW Stormwater NPDES Permit Application) indicated a 1,380,000 SF site that was 22% impervious.
- **Site Description:**
 - **Application-identified Site Activities:**
 - Foundry and Machine Shop per GIF.
 - Casting Iron and Iron Alloy products, Shipping/receiving, materials storage, mold making, casting, and processing activities are conducted indoors or under permanent cover per NPDES Application Form.
 - PPC Plan: Manufacturing activities are limited to the production of iron and iron alloy castings from electric, coreless induction furnaces. Raw castings are generally shipped directly to other businesses. Finished and machining has been outsourced since 2019, therefore currently the on-site contiguous machine shop is rarely used.
 - **Industry Category ELG and SIC Code:**
 - **ELG for Site-generated Wastewaters:** The application noted that 40 CFR 464 ELG (Metal Molding and Casting) applies to this facility's wastewaters (not being discharged onsite). Subpart C (Ferrous Casting) 40 CFR 464.35 – 464.26 pretreatment requirements would apply to wastewaters being separately discharged/shipped to a POTW. The application also indicated that there are no 40 CFR 443.10 activities onsite.
 - **SIC Code:** The revised application indicated SIC Code# 3321 applied (which falls under PAG-03 Appendix B Primary Metal industrial category). Previous application submittals had identified:
 - 3325 (primary): Manufacturing - Steel Foundries, Nec (indicated to not apply to this facility)
 - 3561 (secondary): Pumps and Pumping Equipment manufacturing (indicated to be a typo with no such industrial operation onsite)
 - **Other facility permits:**
 - PADEP AQP Minor Source Operating Permit No. 13-00009. Transferred to existing client in 2019.
 - PADEP RSW General Permit No. WMGR019D010 (Beneficial Use of Foundry Waste from metal casting foundries as roadway construction material; component/ingredient for concrete or asphalt products; soil additive or substitute; non-roadway construction) was previously terminated per the application. Facility remains a RSW waste generator (PAD002390219 and PAR000518365 per E-Facts). Application indicates that the RSW GP is being terminated, **with a plan to pave the area where sand had been deposited.** (NOTE: NPDES Permit Part A.III.C.2 notification requirements will apply)
 - **Site Description:**
 - The facility is bounded by Spring Street on the westward side and Laurel Street on the southern side. General USGS topography would direct stormwater flow westward until redirected southward to Koons Creek by offsite street drainage controls or other onsite controls and southward toward Koons Creek. There appears to be a large inactive disturbed area to the east of the active industrial area onsite.
 - 1,380,000 SF site with 22% impervious area, with four (4) identified stormwater outfalls. Outfalls Nos. 001 – 003 (to Koons Creek) were previously permitted (with 001 being treated as the representative sampling outfall). Outfall 004 is newly identified but discharges to Black Creek. The Outfall/drainage areas and coordinates are being updated/redefined in this permit.

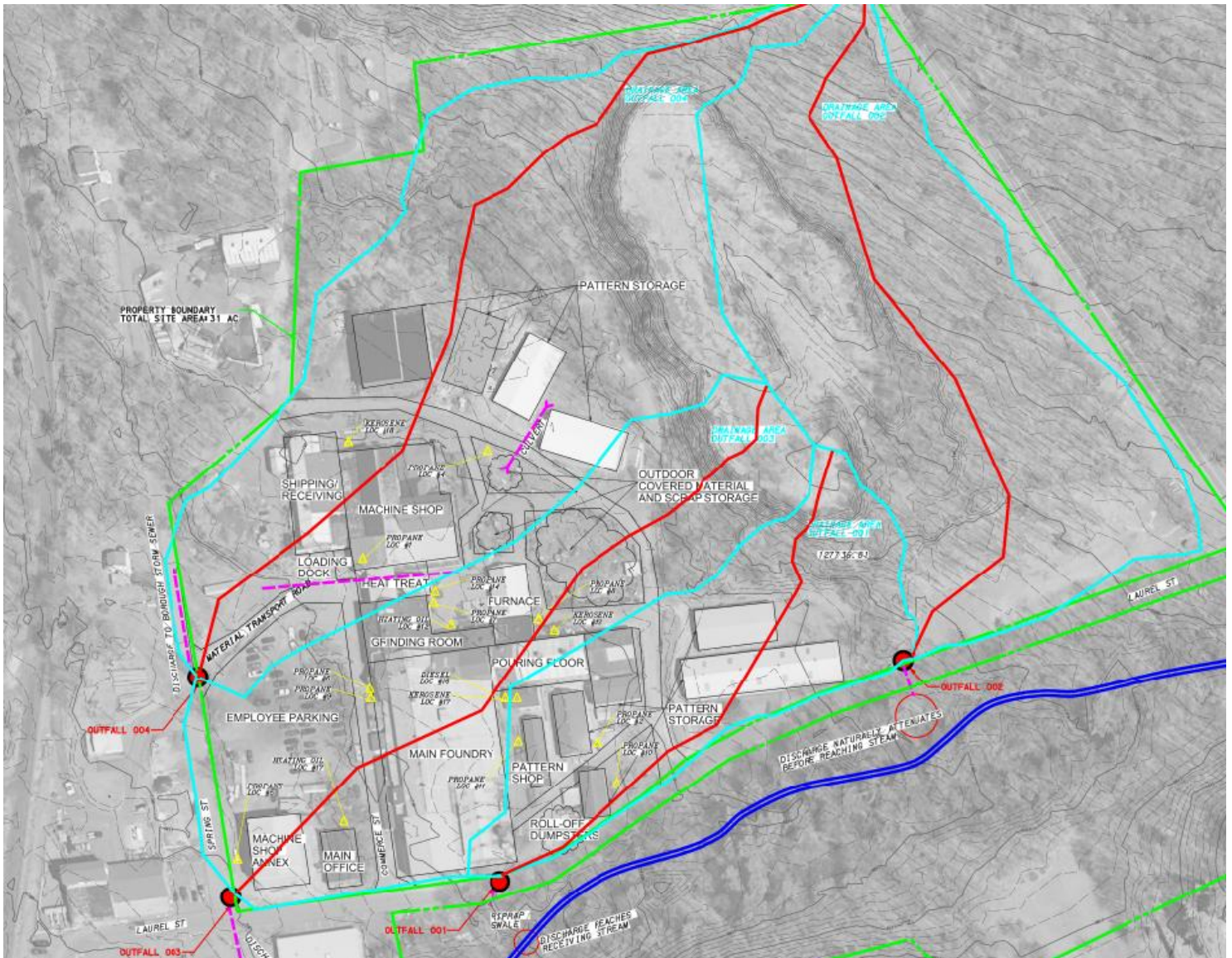
Outfall	Latitude	Longitude	Description
001	40°, 56', 41.49"	-75°, 49', 34.84"	~127,737 SF area, 38% impervious with industrial activities, foundry, and metal fabrication (indoors). Treatment via Riprap lined swale. Discharges to Koons Creek. Across Laurel St. from main foundry,

Summary of Review

002	40° 56', 43.98"	-75° 49', 28.58"	~269,318 SF, 7% impervious with previously disturbed areas, wooded area, and parking area. No industrial process per application. Discharges to Koons Creek. Across Laurel St. from pattern storage
003	40° 56', 41.32"	-75° 49', 39.95"	~205,200 SF area, 63% impervious with Industrial activities, building roof stormwater. Dust collection and processes indoors. Discharges to (non-MS4) Weatherly Borough storm sewer system and ultimately to Koons Creek. Corner of Laurel St. and Spring St.
004	40° 56', 42.90"	-75° 49', 40.20"	~352,472 SF area, 27% impervious with industrial activities, wooded area, building roof stormwater, and parking lot area. Processes indoors. Discharges to (non-MS4) Weatherly Borough storm sewer system and ultimately to Black Creek. Outside Parking Log on Spring St.
Other	-	-	Unused property portions (no industrial activities/material handling areas). The defined 001 – 004 drainage areas leave out property fringe areas that amount to ~425,000 SF (by simple subtraction from total site SF) per figures excerpts below. The PPC Plan indicates a vegetated swale was constructed in the 1970s at the base of the mountain to prevent mountain stormwater from flooding the site/entering the buildings, but its location and drainage area is unclear.



Summary of Review



- **NPDES Permittee (Operator with Financial Control) & related parties:** The previous applications were unclear about the permittee identity, so here is a summary of relevant information. Revised Application indicated permittee/applicant is "Weatherly Casting & Machine Co. LLC" (EIN# 83-4702509), mailing address of 500 E. Centre St. Ashland PA 17921. Client contact is Chrissy Cleaver, Purchasing Manager. Site Contact is Jim Spaulding (President, Owner), Ashland Foundry & Machine Works, LLC at 500 E. Centre Street Ashland PA 17921. He was indicated to be the President of both companies. Application indicates this company and Ashland Foundry & Machine Works LLC "are operated by the same individuals". "Matthew Farrow is authorized as a Vice President of Operations to sign binding documents including permit applications". Same individuals operate two different legal entities.
 - Previous Client# 6445: Carbon Foundry, Inc. (PADOS Business Entity No.15121623) was FKA Weatherly Casting and Machine Company, and filed 8/16/1989. It was a domestic business company. This appears to be the original PAG-03 permittee. EIN# 23-2580138 per Client information.
 - Existing Client# 351211: Weatherly Casting & Machine Co. LLC (PADOS Business Entity No. 6889367) was filed in 5/16/2019. It was formed in Delaware. EIN# 83-4702509 per previous application. HQ Address was a PO Box 21 Weatherly PA 18255 per Client information. Current PADEP AQP permittee.
 - Ashland Foundry & Mach Works Client # 278743 and #389215: There appear to be two client entries (with different EIN numbers) under this name:
 - PADOS information: Ashland Foundry & Mach Works, LLC (PADOS Business Entity No. 6552648) was filed in 5/9/2017. It was formed in Delaware.

Summary of Review

- Client# 278743 (EIN# 27-1402653): ASHLAND FOUNDRY & MACH WORKS LLC, HQ Address at 500 E. Centre St. Ashland PA 17921. PADEP AQ permittee. PAG-03 permittee. Storage Tank permittee. Radiation producing machine registrant. Sites located in Ashland Borough, Schuylkill County (formerly Goulds pumps). Inactive site# 737880 in Ashland Borough, Columbia County. This client has PADEP AQ and PAG032369 permits.
- Client# 389215 (EIN# 81-5042835): ASHLAND FOUNDRY & MACHINE WORKS, LLC, HQ Address at 500 E Centre Street, Ashland PA 17921. Radiation producing machine registrant. Site #876138 in Butler Township, Schuylkill County.

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.	001, 002, and 003	Design Flow (MGD)	0 (stormwater only)
	40° 56' 41.65" (001)		-75° 49' 33.58" (001)
	40° 56' 42.90" (002)		-75° 49' 29.36" (002)
Latitude	40° 56' 38.21" (003)	Longitude	-75° 49' 41.27" (003)
Quad Name	Weatherly	Quad Code	1139 (5.20.1)
Wastewater Description:	Stormwater		
Receiving Waters	Koons Creek (HQ-CWF, MF)	Stream Code	62974
NHD Com ID	26285179	RMI	-
Drainage Area	0.57 square miles	Yield (cfs/mi ²)	~0.1
			Statewide default LFY (no known AMD discharges on Creek to contribute flows during low flow periods).
Q ₇₋₁₀ Flow (cfs)	~0.057	Q ₇₋₁₀ Basis	
Elevation (ft)	~1142 feet (USGS terrain mapper)	Slope (ft/ft)	-
Watershed No.	2-B	Chapter 93 Class.	HQ-CWF, MF
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	Final	Name	Black and Hazle Creek (AMD)
Background/Ambient Data: None available		Data Source	
pH (SU)	-	-	
Temperature (°F)	-	-	
Hardness (mg/L)	-	-	
Other:	-	-	
Nearest Downstream Public Water Supply Intake	Lehigh River		
PWS Waters	Lehigh River	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	>5 miles

Changes Since Last Permit Issuance: During the PAG-03 renewal process, it was determined that the facility was discharging to a HQ watershed, requiring an Individual IW Stormwater NPDES Permit. (Previous PAG-03 NOIs had identified the wrong receiving stream.)

Other Comments:

Koons Creek flows into Black Creek (CWF; Stream# 4139; impaired (metals and pH)). The TMDL reports no AMD orphan discharges on Black Creek, but it is impacted by AMD from two of its other tributaries (Hazle Creek and Quakake Creek). The Hazle Creek confluence is upstream of the Koon Creek confluence. Quakake Creek confluence is downstream of the Koons Creek confluence. Black Creek flows into the Lehigh River (HQ-CWF; Stream# 3335) at a location upstream of the Lehigh Gorge State Park.

The 0.6 MGD Weatherly Borough STP (NPDES No. PA0021555, discharging to Black Creek) discharge point is downstream of the Koons Creek confluence with Black Creek. The STP received 0.046 MGD IW wastewater from this facility per the STP's 2025 NPDES Permit Renewal Application.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	004	Design Flow (MGD)	0
Latitude	40° 56' 40.17"	Longitude	-75° 49' 46.30"
Quad Name	Weatherly	Quad Code	1139 (5.20.1)
Wastewater Description: Stormwater			
Receiving Waters	Black Creek (CWF, MF)	Stream Code	4159
NHD Com ID	26285177	RMI	-
Drainage Area	~4.93 square miles (ballpark estimate only)	Yield (cfs/mi ²)	See below
Q ₇₋₁₀ Flow (cfs)	See below	Q ₇₋₁₀ Basis	See below
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	2-B	Chapter 93 Class.	CWF, MF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Impaired		
Cause(s) of Impairment	METALS, PH		
Source(s) of Impairment	ACID MINE DRAINAGE, ACID MINE DRAINAGE		
TMDL Status	Final	Name	Black and Hazle Creek
<u>Background/Ambient Data:</u> None available		<u>Data Source</u>	
pH (SU)	-	-	
Temperature (°F)	-	-	
Hardness (mg/L)	-	-	
Other:	-	-	
<u>Nearest Downstream Public Water Supply Intake</u>		<u>Lehighton Borough Water Authority</u>	
PWS Waters	Lehigh River	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	>5 miles

Changes Since Last Permit Issuance: This drainage area outfall was identified in the Individual IW Stormwater NPDES Permit Application.

Other Comments:

- Uncontaminated stormwater is not expected to add to any existing AMD impairment.
- As flow is directed into Weatherly storm sewer system, unclear where flow enters Black Creek. A location was guesstimated on Black Creek to ballpark expected stream flows.
- Historic mining impacts upstream and downstream AMD discharges may have biased PA Streamstats-estimates for this portion of Black Creek (7.28 CFS Q₇₋₁₀ low flow was estimated from a 4.93 square mile drainage area at a guesstimated point which would equate to a 1.47 CFS/square mile LFY). Upstream dam/reservoirs exist but would likely have reduced discharges during low flow conditions.

Compliance History

DMR Data for Outfall 001 (from February 1, 2024 to January 31, 2025)

Parameter	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24
TSS (mg/L) Daily Maximum		14.7									
Oil and Grease (mg/L) Daily Maximum		< 5.5									
Total Nitrogen (mg/L) Daily Maximum		1.2									
Total Phosphorus (mg/L) Daily Maximum		< 0.2									
Total Aluminum (mg/L) Daily Maximum		2.08									
Total Copper (mg/L) Daily Maximum		0.017									
Total Iron (mg/L) Daily Maximum		4.82									
Total Lead (mg/L) Daily Maximum		0.00942									
Total Zinc (mg/L) Daily Maximum		< 0.1									

DMR Data for Outfall 001 (from August 1, 2023 to February 30, 2024)

Parameter	FEB-24	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	
TSS (mg/L) Daily Maximum			12.8						64.0		
Oil and Grease (mg/L) Daily Maximum			10.9						0.760		
Total Nitrogen (mg/L) Daily Maximum			3.16						0.00531		

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Weatherly Casting & Mach Co. LLC

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Total Phosphorus (mg/L) Daily Maximum			< 0.1								
Total Aluminum (mg/L) Daily Maximum			0.377								
Total Copper (mg/L) Daily Maximum			0.00501								
Total Iron (mg/L) Daily Maximum			1.04								
Total Lead (mg/L) Daily Maximum			< 0.001								
Total Zinc (mg/L) Daily Maximum			< 0.100								

DMR Data for Outfall 001 (from October 1, 2022 to September 30, 2023)

Parameter	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23	MAR-23	FEB-23	JAN-23	DEC-22	NOV-22	OCT-22
TSS (mg/L) Daily Maximum				64.0						32.0		
Total Aluminum (mg/L) Daily Maximum				0.760						0.137		
Total Copper (mg/L) Daily Maximum				0.00531						< 0.001		
Total Iron (mg/L) Daily Maximum				1.10						0.215		
Total Lead (mg/L) Daily Maximum				0.00332						< 0.001		
Total Zinc (mg/L) Daily Maximum				< 0.100						< 0.100		

Additional EDMR Data: Higher values bolded to show frequency.

MONITORING START DATE	PARAMETER	CONC UNITS	CONC 3 VALUE
07/01/2017	Aluminum, Total	mg/L	E
01/01/2018	Aluminum, Total	mg/L	< 0.100
07/01/2018	Aluminum, Total	mg/L	0.675
01/01/2019	Aluminum, Total	mg/L	1.45

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07/01/2019	Aluminum, Total	mg/L	< 0.100
01/01/2020	Aluminum, Total	mg/L	0.1
01/01/2020	Aluminum, Total	mg/L	0.178
07/01/2020	Aluminum, Total	mg/L	0.163
01/01/2021	Aluminum, Total	mg/L	0.648
07/01/2021	Aluminum, Total	mg/L	< 0.1
01/01/2022	Aluminum, Total	mg/L	0.100
07/01/2022	Aluminum, Total	mg/L	0.137
07/01/2017	Copper, Total	mg/L	E
01/01/2018	Copper, Total	mg/L	< 0.001
07/01/2018	Copper, Total	mg/L	0.0051
01/01/2019	Copper, Total	mg/L	0.0185
07/01/2019	Copper, Total	mg/L	0.00343
01/01/2020	Copper, Total	mg/L	0.001
01/01/2020	Copper, Total	mg/L	0.00557
07/01/2020	Copper, Total	mg/L	0.00261
01/01/2021	Copper, Total	mg/L	0.00684
07/01/2021	Copper, Total	mg/L	< 0.001
01/01/2022	Copper, Total	mg/L	0.00804
07/01/2022	Copper, Total	mg/L	< 0.001
07/01/2017	Iron, Total	mg/L	E
01/01/2018	Iron, Total	mg/L	0.055
07/01/2018	Iron, Total	mg/L	1.11
01/01/2019	Iron, Total	mg/L	4.95
07/01/2019	Iron, Total	mg/L	0.115
01/01/2020	Iron, Total	mg/L	0.02
01/01/2020	Iron, Total	mg/L	0.910
07/01/2020	Iron, Total	mg/L	0.466
01/01/2021	Iron, Total	mg/L	1.70
07/01/2021	Iron, Total	mg/L	0.193
01/01/2022	Iron, Total	mg/L	2.29
07/01/2022	Iron, Total	mg/L	0.215

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07/01/2017	Lead, Total	mg/L	E
01/01/2018	Lead, Total	mg/L	< 0.001
07/01/2018	Lead, Total	mg/L	0.0028
01/01/2019	Lead, Total	mg/L	0.0114
07/01/2019	Lead, Total	mg/L	< 0.001
01/01/2020	Lead, Total	mg/L	0.001
01/01/2020	Lead, Total	mg/L	0.00154
07/01/2020	Lead, Total	mg/L	< 0.001
01/01/2021	Lead, Total	mg/L	0.00274
07/01/2021	Lead, Total	mg/L	< 0.001
01/01/2022	Lead, Total	mg/L	0.00575
07/01/2022	Lead, Total	mg/L	< 0.001
07/01/2017	Total Suspended Solids	mg/L	E
01/01/2018	Total Suspended Solids	mg/L	< 5
07/01/2018	Total Suspended Solids	mg/L	21
01/01/2019	Total Suspended Solids	mg/L	63
07/01/2019	Total Suspended Solids	mg/L	6.6
01/01/2020	Total Suspended Solids	mg/L	5
01/01/2020	Total Suspended Solids	mg/L	8.7
07/01/2020	Total Suspended Solids	mg/L	20.0
01/01/2021	Total Suspended Solids	mg/L	15.6
07/01/2021	Total Suspended Solids	mg/L	26.7
01/01/2022	Total Suspended Solids	mg/L	70.4
07/01/2022	Total Suspended Solids	mg/L	32.0
07/01/2017	Zinc, Total	mg/L	E
01/01/2018	Zinc, Total	mg/L	0.058
07/01/2018	Zinc, Total	mg/L	0.035
01/01/2019	Zinc, Total	mg/L	< 0.100
07/01/2019	Zinc, Total	mg/L	< 0.100
01/01/2020	Zinc, Total	mg/L	0.1
01/01/2020	Zinc, Total	mg/L	< 0.1
07/01/2020	Zinc, Total	mg/L	< 0.100

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01/01/2021	Zinc, Total	mg/L	< 0.1
07/01/2021	Zinc, Total	mg/L	< 0.1
01/01/2022	Zinc, Total	mg/L	< 0.100
07/01/2022	Zinc, Total	mg/L	< 0.100

Compliance History

Inspection Report:

SITE NAME	PERMIT	INSP PROGRAM	INSP ID	INSPECTED DATE	INSP TYPE	INSPECTION RESULT DESC	# OF VIOLATIONS
WEATHERLY CASTING & MACH CO LLC	PAR202219	WPCNP	3495870	01/24/2023*	Routine/Partial Inspection	No Violations Noted	<u>0</u>
WEATHERLY CASTING & MACH CO LLC	PAR202219	WPCNP	3056182	04/29/2021	Routine/Partial Inspection	No Violations Noted	<u>0</u>
WEATHERLY CASTING & MACH CO LLC	PAR202219	WPCNP	3567655	05/01/2020	Administrative/File Review	No Violations Noted	<u>0</u>

*The Inspection Report went through new PAG-03 requirements.

Other Comments:

- The same individuals and site contacts that operate this facility operate the separate Ashland Foundry & Machine Works LLC, which has its own separate permits.

Compliance History: One (PADEP AQP) open violations per 2/11/2024 WMS query (open violations by client number):

FACILITY	INSP PROGRAM	PROGRAM SPECIFIC ID	VIOLATION ID	VIOLATION DATE	VIOLATION CODE	VIOLATION
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WEATHERLY CASTING & MACH CO LLC/WEATHERLY PLT	Air Quality	83-4702509-1	8168301	12/14/2023	127.444	Construction, Modification, Reactivation and Operation of Sources, Operating Permit Requirements, Compliance requirements. A person may not cause or permit the operation of a source subject to this article unless the source and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the application and conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.
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Development of Effluent Limitations

Outfall No.	001, 002, 003, 004	Design Flow (MGD)	0 (Stormwater only)
	40° 56' 41.49" (001)		-75° 49' 34.84" (001)
	40° 56' 43.98" (002)		-75° 49' 28.58" (002)
	40° 56' 41.32" (003)		-75° 49' 39.95" (003)
Latitude	40° 56' 42.90" (004)	Longitude	-75° 49' 40.29" (004)
Wastewater Description:	Stormwater		

Permit Limits and/or Monitoring Requirements:

Parameter	Limit (mg/l unless otherwise specified) Report	SBC	Model/Basis
Total Nitrogen (TKN + Nitrate-Nitrite measured in same sample)	Report	IMAX	Statewide PAG-03 Appendix B minimum monitoring & reporting requirement for this industrial category. <u>Application data:</u> 001: 3.16 mg/l max 002: 1.13 mg/l 003: 1.36 mg/l 004: 1.39 mg/l
TKN	Report	IMAX	Required to calculate TN. <u>Application data:</u> 001: 2.99 mg/l max 002: <1.0 mg/l 003: <1.0 mg/l 004: <1.0 mg/l
Nitrate-Nitrite as N	Report	IMAX	Required to calculate TN. <u>Application data:</u> 001: <0.5 mg/l Nitrate and < 0.10 mg/l Nitrite 002: 0.744 mg/l Nitrate and <0.10 mg/l Nitrite 003: 0.760 mg/l Nitrate and <0.10 mg/l Nitrite 004: 0.732 mg/l Nitrate and <0.10 mg/l Nitrite
Total Phosphorus	Report	IMAX	Statewide PAG-03 Appendix B minimum monitoring & reporting requirement for this industrial category. <u>Application data:</u> 001: 0.105 mg/l 002: <0.1 mg/l 003: 0.119 mg/l 004: 0.105 mg/l
TSS	Report	IMAX	Statewide PAG-03 Appendix B minimum monitoring & reporting requirement for this industrial category with Statewide Professional Judgment (BPJ) 100 mg/l benchmark value. <u>Application data:</u> 001: 64 mg/l max 002: 5.6 mg/l 003: 72.6 mg/l 004: 33.4 mg/l
Oil & Grease	30.0	IMAX	Chapter 95.2 regulatory requirement being incorporated into the permit due to HQ receiving stream. Statewide PAG-03 Appendix B minimum monitoring & reporting requirement for this industrial category. <u>Application data:</u>

			001: 10.9 mg/l 002: <5.56 mg/l 003: <5.44 mg/l 004: <5.68 mg/l
Total Aluminum	Report	IMAX	Statewide PAG-03 Appendix B minimum monitoring & reporting requirement for this industrial category. Chapter 93 WQS of 0.750 mg/l. <u>Application data:</u> 001: 0.570 mg/l 002: <0.10 mg/l 003: 1.14 mg/l 004: 0.30 mg/l
Total Zinc	Report	IMAX	Statewide PAG-03 Appendix B minimum monitoring & reporting requirement for this industrial category. Chapter 93 WQS of 0.120 mg/l at stream hardness of 100 mg/l. <u>Application data:</u> 001: <0.100 mg/l 002: <0.100 mg/l 003: <0.100 mg/l 004: <0.100 mg/l
Total Iron	Report	IMAX	Statewide PAG-03 Appendix B minimum monitoring & reporting requirement for this industrial category. Chapter 93 WQS of 1.500 mg/l. <u>Application data:</u> 001: 1.07 mg/l 002: 0.19 mg/l 003: 3.03 mg/l 004: 0.596 mg/l
pH	6.0 – 9.0 SU	Inst. Min - IMAX	Chapter 95.2 regulatory requirement being incorporated into the permit due to discharge to HQ watershed. <u>Application data:</u> 001: 6.23 SU 002: 6.62 SU 003: 6.60 SU 004: 6.61 SU
Total Copper	Report	IMAX	Statewide PAG-03 Appendix B minimum monitoring & reporting requirement for this industrial category. Chapter 93 WQS of 0.009 mg/l at stream hardness of 100 mg/l. <u>Application data:</u> 001: 0.00516 mg/l 002: 0.0128 mg/l 003: 0.00926 mg/l 004: 0.00206 mg/l
Total Lead	Report	IMAX	Statewide PAG-03 Appendix B minimum monitoring & reporting requirement for this industrial category. Chapter 93 WQS of 0.0025 mg/l at stream hardness of 100 mg/l. <u>Application data:</u> 001: 0.00211 mg/l 002: <0.001 mg/l 003: 0.00849 mg/l 004: 0.00217 mg/l

Comments:

Stormwater Outfall/Drainage Area: See Introduction Section for Outfall/drainage area table.

Stormwater BMPs: IW Stormwater General Permit PAG-03 Appendix B (Primary Metal) stormwater BMPs.

Reasonable Potential Analysis: The Application/EDMR metal values were below the DEP SOP Guidance thresholds requiring permit limits (<100 x WQS (at default 100 mg/l stream total hardness); <4 x WQS for AMD metals on AMD TMDL streams). No metal permit limits are needed. No ambient stream total hardness data was available to further refine this analysis.

Anti-Degradation Outfall/drainage Areas 001, 002, and 003: No new, additional, or increased degradation anticipated if facility implements required Stormwater Best Management Practices (BMPs), conducts the required Outfall monitoring & analysis, and implements the site-specific PPC Plan addressing the stormwater-specific requirements. No new or additional or increased loadings were identified in the application (with all three stormwater drainage areas addressed in previous NPDES permitting) except for an Outfall 003 building roof-drainage area which is not expected to degrade the receiving stream.

- Module 1 (Anti-degradation) indicates existing discharges commenced 9/13/1993, with Koons Creek being reclassified as HQ on 6/17/2004. Therefore, the discharge is grandfathered in terms of Antidegradation but subject to the minimum statewide Chapter 93 Water Quality Standards and existing regulatory Chapter 95.2 technology-based limits (pH, Total Iron, and Oil & Grease).
- No new, additional or increased pollutants are expected.

Communications Log & History:

9/13/1993: Original PAG-03 IW Stormwater NPDES Permit No. PAR202219 coverage issued. Renewals issued in 1999, 2003, 2009, and 2014.

5/8/1996: RSW General Permit No. WMGR019M032A issued for beneficial use of RSW, expired 4/22/2006.

11/2/2007: RSW General Permit No. WMGR019D010 issued for beneficial use of RSW (foundry waste), expired 11/1/2017.

2016: Updated statewide PAG-03 issued (no renewal NOI required at that time)

11/2/2017: RSW General Permit No. WMGR019D010 issued for beneficial use of RSW (foundry waste) for roadway construction material, non-roadway construction material, soil additive or substitute, or component/ingredient in concrete or asphalt products. E-facts did not identify an expiration date.

12/16/2019: Transfer issued. Appendix B facility.

- The previous Client ID was 6445 (Weatherly Casting & Machine Company).
- The new Client ID is 351211 (Weatherly Casting & Machine Company LLC).

3/22/2023: NOI Renewal (PAG032378) received via On-Base# 97168

4/28/2023: NOI Renewal (PAG032378) submitted under On-Base# 97168.

5/1/2023: DEP Technical Deficiency Letter on PAG032378 NOI Renewal, warning of apparent ineligibility due to discharge to HQ watershed.

5/24/2023: Weatherly (Kyle Good) E-mail (with letter attachment) stating: The facility has confirmed that the discharge point is Koons Creek, a HQ-CWF stream. Please advise a department timeframe for resubmittal of an Individual IW Stormwater NPDES Permit and response to an attached response letter requesting when to submit an Individual IW Stormwater NPDES Permit.

6/22/2023: Weatherly (Kyle Good) E-mail requesting Department's response and timeline for the completion of the Individual Permit for the Weatherly Casting & Machine Co.

6/22/2023: DEP Termination of General Permit Coverage Notice of Intent (NOI) Letter (due to discharge to HQ watershed).

7/10/2023: Weatherly (Kyle Good) E-mail asking for new IW Stormwater NPDES Permit application fee amount.

7/12/2023: Weatherly (Kyle Good) E-mail asking about new IW Stormwater NPDES Permit newspaper notice requirements.

7/12/2023: DEP (Berger) E-mail stating: No newspaper notice is required for the existing stormwater outfall(s) due to existing permit coverage. (If they planned additional outfalls, we would need details to determine if any additional public notice is required.)

7/12/2023: Weatherly (Kyle Good) E-mail asking for new IW Stormwater NPDES Permit application fee amount.

7/12/2023: DEP (Berger) E-mail identifying permit application fee amount.

9/20/2023: Weatherly (Kyle Good) E-mail with On-Base # 122619 receipt for PAG032378 NOI Renewal

9/20/2023: On-Base# 122619 (received 9/20/2023): Original Application for Individual IW Stormwater NPDES Permit. Active IW area identified as 814,268 SF, 35% impervious. The Site plan's drainage area would largely correspond to the revised Outfall No. 001 drainage area.

10/27/2023: DEP Termination of General Permit Coverage Notice Of Intent (NOI) for PAG032378/PAR202219 because discharge is to HQ watershed, outside scope of existing PAG-03 IW Stormwater General NPDES Permit scope. The letter noted: If DEP receives a complete and technically adequate application within 90 days of the date of this letter, you will remain covered under the General Permit until DEP issues a final individual NPDES permit to you. **NOTE:** This second letter may have been sent by mistake.

11/15/2023: DEP Initial Incompleteness Letter

12/15/2023: Weatherly (Kyle Good) E-mail with On-Base receipt for On-Base# 99910 submittal.

6/28/2024: Weatherly (Kowalonek) E-mail asking for extension for EDMR reporting time for 1st half of 2024

6/28/2024: DEP (Bellanca) E-mail stating that the Department cannot give extensions on permit EDMR requirements.

8/30/2024: DEP (Berger) E-mail requiring resubmittal of application via On-Base.

9/5/2024: On-Base# 99910 resubmittal (revised Individual IW Stormwater NPDES permit application)

9/6/2024: DEP Technical Deficiency letter issued

10/3/2024: Weatherly (Kyle Good) E-mail request for extension for response to DEP technical deficiency letter

10/4/2024: DEP (Berger) E-mail extension to 11/6/2025 for the response to the September 6, 2024 DEP Technical Deficiency Letter for the Weatherly Casting & Mach Co. LLC Individual IW Stormwater NPDES Permit Application No. PA0276812 (Weatherly Borough, Carbon County)

11/4/2024: Public Upload# 269707 (revised 11/6/2024 Individual IW Stormwater NPDES Permit Application).

- Public Upload# 99910 (revised 9/5/2024): Original application misfiled as response to PAG-03 Incompleteness letter when came in. The cover sheet had indicated it was a PAG-03 renewal. The SIC Code# 3561 (pumps and pumping equipment) was identified with foundry & metal fabrication materials/activities identified. A General Permit (11/2/2017) was listed among the environmental permits (with the PAG-03 separately listed).
- On-Base# 122619 (received 9/20/2023): Original Application for Individual IW Stormwater NPDES Permit. Active IW area identified as 814,268 SF, 35% impervious. The Site plan's drainage area would largely correspond to the revised Outfall No. 001 drainage area.

3/11/2025: Technical Deficiency Letter issued.

4/10/2025: Weatherly (Haley Robb) E-mail asking for extension of response date to 5/11/2025, and asking about requirements for co-located industrial activities Appendix U requirements.

5/5/2025: Weatherly (Haley Robb) E-mail stating:

- On April 29, 2025 Benesch employees met with Weatherly Casting and Machine Co. LLC managers on site to conduct a Site Visit and Inspection of existing outfalls not yet permitted. We confirmed the presence of these additional outfalls and are conducting stormwater sampling to include them on the revised permit application. The samples will not be returned from the lab before the **May 11, 2025** deadline for the complete and technically adequate response to the March 11, 2025 DEP incompleteness/technical deficiency letter for the Weatherly Casting & Machine Co. LLC (IW Stormwater NPDES Permit Application No. **PA0276812**).
- The PPC Plan is being updated with applicable Appendix U BMPs. The Module 1 Antidegradation document is being updated as well.

5/14/2025: DEP (Berger) E-mail asking Weatherly whether it was asking for an extension.

5/16/2025: Weatherly (Haley Robb) E-mail stating the revised application would be submitted when sampling analysis was received.

7/11/2025: DEP (Berger) E-mail reminder

7/14/2025: Weatherly (Haley Robb) E-mail indicating they were still waiting for lab results.

8/6/2025: DEP (Berger) E-mail reminder

8/6/2025: Weatherly (Haley Robb) e-mail asking for more time

8/7/2025: Weatherly (Steve Bartos, EHS) E-mail asking for more time as he was new to his position and asking several clarification questions.

8/8/2025: DEP (Berger) E-mail granting extension and responding to Bartos' questions.

8/11/2025: Bartos E-mail thanking Department for clarifications

8/22/2025: Public Upload# 99910 (revised application) received.