Pennsylvania Department of Environmental Protection

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0053651**
Facility Type	**Storm Water**	APS ID	**1156519**
Major / Minor	**Minor**	Authorization ID	**1559334**

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

Applicant and Facility Information

Applicant Name	**Johnson Matthey Inc.**	Facility Name	**Johnson Matthey West Chester Facility**
Applicant Address	1401 King Road	Facility Address	1401 King Road
	West Chester, PA 19380-1467		West Chester, PA 19380-1467
Applicant Contact	David Campbell	Facility Contact	David Campbell
Applicant Phone	(610) 648-8424	Facility Phone	(610) 648-8424
Client ID	80042	Site ID	454499
SIC Code	3356	Municipality	West Whiteland Township
SIC Description	Manufacturing - Nonferrous Rolling And Drawing, Nec	County	Chester
Date Application Received	October 1, 2025	EPA Waived?	No
Date Application Accepted		If No, Reason	Discharge to Christina TMDL waters

Purpose of Application: Permit Renewal.

Summary of Review

The permittee has submitted NPDES Permit renewal application to discharge stormwater from their facility into Valley Creek (CWF, MF) through 5 outfalls (001, 002, 003, 004 and 005).

The facility is known as Precious Metals Processing Facility. Based on application their SIC - 3356 (Nonferrous Rolling and (except Copper and Aluminum) Rolling, Drawing, and Extruding.

Historically, NPDES permit included monitoring of Outfall 001 from their on-site groundwater remediation system. The treatment system has been inactive since May 5, 2020. DEP's regional ECB - Environmental Cleanup Brownfields Redevelopment approved a Remedial Investigation Report and Risk Assessment Report (RIR/RAR). Therefore, monitoring from Outfall 001 is removed and determined as ceased discharge.

Therefore, due to removal groundwater monitoring the type of the permit changed from industrial wastewater into stormwater discharge associated with industrial activities.

Additionally, the discharge from Outfall 001 is listed under Christina River Basin Low Flow and High Flow TMDLS. Due to removal of the discharge, it is recommended to revise the Table 2-1. NPDES point source discharges in Christina River Basin and all related data.

Since no other changes in quality and quantity of discharge previously established effluent limits and monitoring requirements of stormwater into Outfalls 002 – 005 are proposed as listed on pages 5-9 of this factsheet.

Act 14 Notification Chester County Commissioners Office and WEST WHITELAND TOWNSHIP received a notification on October 1, 2026.

Approve	Deny	Signatures	Date
X		Begay Omuralieva Begay Omuralieva / Environmental Engineering Specialist	March 20, 2026
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	March 20, 2026

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.

Compliance History

DMR Data for Outfall 002 (from February 1, 2025 to January 31, 2026)

Parameter	JAN-26	DEC-25	NOV-25	OCT-25	SEP-25	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25
pH (S.U.) Daily Maximum		7.81						7.83				
BOD5 (mg/L) Daily Maximum		107						5.4				
COD (mg/L) Daily Maximum		56						61				
TSS (mg/L) Daily Maximum		233						28				
Oil and Grease (mg/L) Daily Maximum		< 3.9						< 4.4				
Total Nitrogen (mg/L) Daily Maximum		< 7.41						< 4.12				
Total Phosphorus (mg/L) Daily Maximum		0.21						0.170				
Dissolved Iron (mg/L) Daily Maximum		< 0.060						< 0.060				

DMR Data for Outfall 003 (from February 1, 2025 to January 31, 2026)

Parameter	JAN-26	DEC-25	NOV-25	OCT-25	SEP-25	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25
pH (S.U.) Daily Maximum		7.75						7.64				
BOD5 (mg/L) Daily Maximum		4.0						7.0				
COD (mg/L) Daily Maximum		21						< 15				
TSS (mg/L) Daily Maximum		3						33				
Oil and Grease (mg/L) Daily Maximum		< 3.9						< 3.8				
Total Nitrogen (mg/L) Daily Maximum		< 3.00						< 3.89				
Total Phosphorus (mg/L) Daily Maximum		0.011						0.171				
Dissolved Iron (mg/L) Daily Maximum		< 0.060						< 0.060				

DMR Data for Outfall 004 (from February 1, 2025 to January 31, 2026)

Parameter	JAN-26	DEC-25	NOV-25	OCT-25	SEP-25	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25
pH (S.U.) Daily Maximum		7.82						7.83				
BOD5 (mg/L) Daily Maximum		5.3						4.5				
COD (mg/L) Daily Maximum		26						37				
TSS (mg/L) Daily Maximum		5						15				
Oil and Grease (mg/L) Daily Maximum		< 3.8						< 3.8				
Total Nitrogen (mg/L) Daily Maximum		< 3.00						< 4.21				
Total Phosphorus (mg/L) Daily Maximum		0.029						0.163				
Dissolved Iron (mg/L) Daily Maximum		< 0.060						0.11				

DMR Data for Outfall 005 (from February 1, 2025 to January 31, 2026)

Parameter	JAN-26	DEC-25	NOV-25	OCT-25	SEP-25	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25
pH (S.U.) Daily Maximum		7.36						7.53				
BOD5 (mg/L) Daily Maximum		18.1						3.5				
COD (mg/L) Daily Maximum		19						20				
TSS (mg/L) Daily Maximum		5						8				
Oil and Grease (mg/L) Daily Maximum		< 3.8						< 4.4				
Total Nitrogen (mg/L) Daily Maximum		< 3.00						< 5.12				
Total Phosphorus (mg/L) Daily Maximum		< 0.010						1.88				
Dissolved Iron (mg/L) Daily Maximum		< 0.060						< 0.060				

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) (1)		Concentrations (mg/L)				Minimum (2) 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
BOD5	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
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: 002

Other Comments:

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) (1)		Concentrations (mg/L)				Minimum (2) 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
BOD5	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
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: 003

Other Comments:

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) (1)		Concentrations (mg/L)				Minimum (2) 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
BOD5	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
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: 004

Other Comments:

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) (1)		Concentrations (mg/L)				Minimum (2) 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
BOD5	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
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: 005

Other Comments: