pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0111911**
Facility Type	**Industrial**	APS ID	**1051689**
Major / Minor	**Minor**	Authorization ID	**1376335**

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

Applicant and Facility Information

Applicant Name	**Construction Specialties of NJ Inc.**	Facility Name	**Construction Specialties-Muncy Facility**
Applicant Address	6696 Route 405 Highway	Facility Address	6696 Route 405 Highway
	Muncy, PA 17756-6381		Muncy, PA 17756-6381
Applicant Contact	Christian Lavallee	Facility Contact	Christian Lavallee
Applicant Phone	(570) 546-4646	Facility Phone	(570) 546-4646
Client ID	135093	Site ID	252280
SIC Code	3446	Municipality	Clinton Township
SIC Description	Manufacturing - Architectural Metal Work	County	Lycoming
Date Application Received	November 15, 2021	EPA Waived?	Yes
Date Application Accepted	November 17, 2021	If No, Reason	

Purpose of Application: Renewal and major amendment for modified discharge.

Summary of Review

The above applicant has submitted an NPDES renewal/amendment application for their existing facility located in Clinton Township, Lycoming County. The facility has numerous stormwater discharges and 1 non-process industrial wastewater discharges. Previously, the industrial wastewater discharge was groundwater that was used as non-contact cooling water (NCCW). The NCCW discharge no longer exists. However, the permittee proposes to now use the same groundwater source for a new louver water and wind testing process. All outfalls are to Turkey Run (WWF, MF) and will be explained in more detail within this fact sheet.

Unless otherwise noted, all applicable Department Standard Operating Procedures (SOPs) were used in the development of this fact sheet. It is recommended the permit be drafted as described herein.

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.

Approve	Deny	Signatures	Date
X		*Chad A. Fabian* Chad A. Fabian / Project Manager	March 17, 2022
X		*Nicholas W. Hartranft, P.E.* Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	March 22, 2022

Discharge, Receiving Waters and Water Supply Information

Outfall No.	IMP 101	Design Flow (MGD)	.0008
Latitude	41º 11' 41.89"	Longitude	-76º 49' 31.02"
Quad Name	Muncy	Quad Code	
Wastewater Description:	Groundwater used to simulate rainwater		
Receiving Waters	Turkey Run	Stream Code	19382
NHD Com ID	66915875	RMI	1.17
Drainage Area	<1.43 square miles	Yield (cfs/mi^2)	N/A
Q_{7-10} Flow (cfs)	0.15 cfs	Q_{7-10} Basis	Previous (USGS Streamstats)
Elevation (ft)		Slope (ft/ft)	520
Watershed No.	10-C	Chapter 93 Class.	WWF
Existing Use	WWF	Existing Use Qualifier	
Exceptions to Use	N/A	Exceptions to Criteria	N/A
Assessment Status	Attaining Use(s)		
Nearest Downstream Public Water Supply Intake	The nearest PWS is PA American (Milton) approximately 16.2 miles downstream on the West Branch Susquehanna		

Changes Since Last Permit Issuance:

-The above Internal Monitoring Point (IMP) was previously ground water that was used as non-contact cooling water. The non-contact cooling water discharge was eliminated within the existing NPDES permit cycle. The permittee now proposes to use the same groundwater source to test its louvers (window blinds/dressings) in a simulated rain tunnel. Within the tunnel, the groundwater will be sprayed on the louvers and the wastewater will be collected and discharged through the existing IMP 101.

-The discharge will be intermittent, only occurring periodically as tests are needed. No chemical additives will be used in the process. The discharge will have no impact on the PWS.

-The discharge flow has been adjusted to 800 gallons per day for the new rain simulation process. Previously, the NCCW had a 0.0062 design flow.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	002, 003, 004, 005, 006, 007, 008, 102	Design Flow (MGD)	0
Latitude	See table below	Longitude	See chart above
Quad Name	Muncy	Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Turkey Run	Stream Code	19382
NHD Com ID	66915875	RMI	1.17
Drainage Area	<1.43 square miles	Yield (cfs/mi^2)	N/A
Q_{7-10} Flow (cfs)	0.15 cfs	Q_{7-10} Basis	Historical & Conservative. Verified by StreamStats
Elevation (ft)		Slope (ft/ft)	520
Watershed No.	10-C	Chapter 93 Class.	WWF
Existing Use	WWF	Existing Use Qualifier	
Assessment Status	Attaining Use(s)		
Nearest Downstream Public Water Supply Intake	PA American (Milton) approximately 16.2 miles downstream on the West Branch Susquehanna River		

Changes Since Last Permit Issuance: None

Stormwater Outfalls

Outfall No.	Latitude	Longitude	Discharge Description
001	41º 11' 43.43"	-76º 49' 28.39"	Receives simulated rainwater from IMP 101 and stormwater runoff from various building roofs and paved parking areas.
102 (IMP)	41º 11' 50.74"	-76º 49' 25.68"	Runoff from the roofs of the main building and rear metal sheds, paved parking areas, and from vegetated field areas.
002	41º 11' 46.27"	-76º 49' 22.31"	Roof runoff and paved parking areas
003	41º 11' 48.35"	-76º 49' 20.07"	Visitor center roof runoff
004	41º 11' 49.49"	-76º 49' 18.79"	Roof runoff
005	41º 11' 49.72"	-76º 49' 18.55"	Roof runoff and paved shipping area
006	41º 11' 51.38"	-76º 49' 16.52"	Roof runoff and paved shipping area
007	41º 11' 41.71"	-76º 49' 30.42"	Outfall from the onsite stormwater retention pond
008	41º 11' 48.73"	-76º 49' 19.63"	Stormwater from front of main building

Compliance History	
Summary of DMRs:	A review of the eDMRs submitted shows no exceedance of any effluent limitation or benchmark. The stormwater sampling results for the previous 12 months can be found in the below Compliance History table.
Summary of Inspections:	The most recent inspection performed by the Department occurred on 1/12/2022. No violations were found during the inspection.

Compliance History

DMR Data for Outfall 102 (from February 1, 2021 to January 31, 2022)

Parameter	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21
pH (S.U.) Daily Maximum		7.2						7.3				
TSS (mg/L) Daily Maximum		10.0						56.0				
Nitrate-Nitrite (mg/L) Daily Maximum		0.22						0.33				
Total Aluminum (mg/L) Daily Maximum		0.28						0.79				
Total Iron (mg/L) Daily Maximum		0.28						1.3				
Total Zinc (mg/L) Daily Maximum		0.045						0.063				

Development of Effluent Limitations

The facility has a Standard Industrial Classification (SIC) code of 3446 (Manufacturing - Architectural Metal Work). Therefore the stormwater discharges are subject to Appendix U of the Department's General Permit for Stormwater Discharges Associated with Industrial Activities (PAG03). The following benchmarks and parameters from Appendix U apply:

	Monitoring Requirements		
Parameter	**Minimum Measurement Frequency (1)**	**Sample Type**	**Benchmark Values**
pH (S.U.)	1 / 6 months	Grab	XXX
Total Suspended Solids (TSS) (mg/L)	1 / 6 months	Grab	100
Nitrate + Nitrite-Nitrogen (mg/L)	1 / 6 months	Grab	XXX
Total Aluminum (mg/L)	1 / 6 months	Grab	XXX
Total Iron (mg/L)	1 / 6 months	Grab	XXX
Total Zinc (mg/L)	1 / 6 months	Grab	XXX

Previously, IMP 102 was chosen by the Department to be the best representative sampling location for all of the stormwater at the facility based on an onsite inspection of the facility. The Department recommends maintaining 102 as the representative stormwater sampling location, and therefore will be the only outfall listed in Part A of the NPDES permit.

The existing effluent limitations and monitoring requirements for IMP 101 are:

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Daily when Discharging	Metered
Duration of Discharge (Hours)	Report	Report	XXX	XXX	XXX	XXX	Daily when Discharging	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
Temperature (ºF)	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/week	I-S
Total Nitrogen	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	8-Hr Composite
Total Phosphorus	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	8-Hr Composite

However, since IMP 101 is no longer non-contact cooling water, these limitations will no longer apply. There are no toxics expected to be present in the groundwater or on the louvers that will enter the effluent, therefore the Department's Toxic Management Spreadsheet was not used. Based on the review of the intake groundwater sampling in the application, the Department Best Professional Judge (BPJ) effluent limitations and monitoring requirements as described in the proposed effluent proposed effluent limitations and monitoring requirements section, below.

Anti-Backsliding

All stormwater requirements remain the same. Effluent limits and monitoring requirements for IMP 101 were re-evaluated since the process (from NCCW to rain simulation) has changed. This does not constitute anti-back sliding.

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 101, 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	Daily Maximum	Maximum	Instant. Maximum		
Flow (MGD) Internal Monitoring Point	Report	Report Daily Max	XXX	XXX	XXX	XXX	Daily when Discharging	Metered
pH (S.U.) Internal Monitoring Point	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Daily when Discharging	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Compliance Sampling Location: 001

Other Comments:

-Temperature effluent limits and monitoring is no longer required since the discharge is no longer used for heat rejection or cooling.
-Monitor and reporting requirements for TN and TP have been eliminated. Influent groundwater results show TN below 8 mg/l and TP at less than 0.8 mg/l.

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 102, 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
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: 102

It is recommended the permit be drafted as described above.