

Application Type Renewal  
Facility Type Industrial  
Major / Minor Minor

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

Application No. PA0014567  
APS ID 1023501  
Authorization ID 1327505

**Applicant and Facility Information**

Applicant Name	<u>Jersey Shore Area Joint Water Authority</u>	Facility Name	<u>Jersey Shore Area Joint Water Authority</u>
Applicant Address	<u>PO Box 5046 Jersey Shore, PA 17740-5046</u>	Facility Address	<u>334 Tiadaghton Avenue Jersey Shore, PA 17740</u>
Applicant Contact	<u>Judith Cohick</u>	Facility Contact	<u>Judith Cohick</u>
Applicant Phone	<u>(570) 398-1443</u>	Facility Phone	<u>(570) 398-1443</u>
Client ID	<u>74625</u>	Site ID	<u>259523</u>
SIC Code	<u>4941</u>	Municipality	<u>Pine Creek Township</u>
SIC Description	<u>Trans. &amp; Utilities - Water Supply</u>	County	<u>Clinton</u>
Date Application Received	<u>September 15, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>September 23, 2020</u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal of existing NPDES permit.</u>		

**Summary of Review**

The above permittee has submitted an NPDES renewal application for their existing discharge of backwash water from a potable water supply filtration system that serves Jersey Shore Borough and surrounding areas. This potable water supply is a backup water source for the Authority and is rarely used. No discharge has occurred within the last permit cycle (5 years).

Prior to a discharge, the wastewater is treated/held in a lagoon to allow for settling. Sludge from the lagoon is hauled away on an as needed basis.

Based on the following review, I recommend the permit be drafted and published in the PA Bulletin for the required 30 day public comment period. The Department's SOP for renewal and issuance of NPDES permits for industrial wastewater was followed during this review unless otherwise noted.

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		<i>Chad A. Fabian</i> Chad A. Fabian / Project Manager	February 1, 2021
X		<i>Nicholas W. Hartranft, P.E.</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	February 2, 2021

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.015</u>
Latitude	<u>41° 11' 14.75"</u>	Longitude	<u>77° 17' 37.89"</u>
Quad Name	<u>Jersey Shore</u>	Quad Code	<u>0927</u>
Wastewater Description: <u>Backwash water from potable water supply treatment plant</u>			
Receiving Waters	<u>Pine Creek</u>	Stream Code	<u>21166</u>
NHD Com ID	<u>66541991</u>	RMI	<u>1</u>
Drainage Area	<u>979</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.039</u>
Q <sub>7-10</sub> Flow (cfs)	<u>39</u>	Q <sub>7-10</sub> Basis	<u>Stream Gage (see attached USGS printout)</u>
Watershed No.	<u>9-A</u>	Chapter 93 Class.	<u>HQ-CWF</u>
Existing Use	<u>HQ-CWF</u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
TMDL Status	<u>None on receiving water (see below)</u>		
		Name	<u>n/a</u>
Nearest Downstream Public Water Supply Intake		Approximately 45 miles downstream on West Branch Susquehanna River	

Changes Since Last Permit Issuance: None

-The discharge is in the West Branch of the Susquehanna watershed, which is impaired for metals (iron, manganese, and aluminum) and has an established TMDL. However, the source of impairment is acid mine drainage. This permit already contains technology based effluent limitations and monitoring for these parameters. This discharge is not considered a contributing source to the impairment by the TMDL.

-It should be noted that the facility and discharge existed prior to Pine Creek being upgraded to a designation of HQ-CWF by the Department's Chapter 93 Regulations. The existing permit was also established under the HQ-CWF designation.

Compliance History	
<b>Summary of DMRs:</b>	No discharge has occurred at the facility since the last permit issuance.
<b>Summary of Inspections:</b>	The Department conducted a phone inspection on 3/25/2020. The permittee informed the Department that the facility was not operating.

**Development of Effluent Limitations**

Outfall No. 001 Design Flow (MGD) 0.015  
 Latitude 41° 11' 14.75" Longitude 77° 17' 37.89"  
 Wastewater Description: Potable water filter backwash

**Technology-Based Limitations**

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Parameter	Limit (mg/l)	SBC
pH	6.0-9.0 S.U.	Min – Max
TSS	30	Monthly Ave
TSS	60	Daily Max
Iron	2	Monthly Ave
Iron	4	Daily Max
Aluminum	4	Monthly Ave
Aluminum	8	Daily Max
Manganese	1	Monthly Ave
Manganese	2	Daily Max

The above limitations are in the existing permit. All of the limitations are from the *Technology-Based Control Requirements for Water Treatment Plant Wastes*, 362-2183-003, 10/97.

**Water Quality-Based Limitations**

Previously, during the last permit issuance, a “Reasonable Potential Analysis” and the Department’s PENTOXSD model were used to determine that no Water Quality Based Effluent Limitations (WQBELs) were warranted. The Department’s PENTOXSD model is a mass-balance water quality analysis model that includes consideration for mixing and other factors to determine recommended water quality-based effluent limits. The model incorporates the water quality criteria of 25 Pa. Code §93. Per the Department’s SOP for reissuance of industrial waste NPDES permits, additional modeling this permit cycle is not required since there have been no changes to the receiving stream or in the characteristics of the discharge.

Per the aforementioned SOP, since the discharge is classified as HQ-CWF according the Department’s Chapter 93 Regulations, a TRC limitation of 0.02 mg/l must be applied. The facility should be able to meet the limitation of 0.02 mg/l since the retention time in the lagoon is long enough for complete chlorine decay to occur.

Dissolved oxygen and ammonia are not applicable to this facility since it does not contain any sewage or sewage treatment processes.

**Best Professional Judgment (BPJ) Limitations**

None

**Anti-Backsliding**

This draft permit will not propose a relaxation in any of the existing effluent limitations.

**Existing and 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: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	1/day	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
TRC	XXX	XXX	XXX	XXX	XXX	0.02	1/week	Grab
TSS	XXX	XXX	XXX	30	60	75	1/month	Composite
Total Aluminum	XXX	XXX	XXX	4	8	10	1/month	Composite
Total Iron	XXX	XXX	XXX	2	4	5	1/month	Composite
Total Manganese	XXX	XXX	XXX	1	2	2.5	1/month	Composite

Compliance Sampling Location: 001

Other Comments: All of the above effluent limitations and monitoring frequencies are the same as in the existing permit.

It is recommended that the permit be drafted as described above.