

Application Type **New**
 Facility Type **Storm Water**
 Major / Minor **Minor**

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

Application No. **PA0292745**
 APS ID **1077983**
 Authorization ID **1421612**

Applicant and Facility Information

Applicant Name	<u> Veolia ES Alaron, LLC </u>	Facility Name	<u> Veolia ES Alaron, LLC d/b/a Alaron Nuclear Services </u>
Applicant Address	<u> 2138 State Route 18 Wampum, PA 16157-2926 </u>	Facility Address	<u> 2138 State Route 18 Wampum, PA 16157-2926 </u>
Applicant Contact	<u> Michael Lokar, EH&S Supervisor (mike.lokar@alaronnuclear.com) </u>	Facility Contact	<u> Michael Lokar, EH&S Supervisor (mike.lokar@alaronnuclear.com) </u>
Applicant Phone	<u> (724) 535-5777, ext. 231 </u>	Facility Phone	<u> (724) 535-5777, ext. 231 </u>
Client ID	<u> 297352 </u>	Site ID	<u> 261679 </u>
SIC Code	<u> 4953 </u>	Municipality	<u> New Beaver Borough </u>
SIC Description	<u> Refuse Systems </u>	County	<u> Lawrence </u>
Date Application Received	<u> December 5, 2022 </u>	EPA Waived?	<u> Yes </u>
Date Application Accepted	<u> December 28, 2022 </u>	If No, Reason	<u> - </u>
Purpose of Application	<u> A new NPDES permit for an existing discharge of stormwater related to industrial activities. </u>		

Summary of Review

Act 14 - Proof of Notification was submitted and received.
 This facility is not subject to any ELGs.
 A Part II Water Quality Management permit is not required at this time.
 The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

SPECIAL CONDITIONS:

- I. Stormwater Outfalls and Authorized Non-Stormwater Discharges
- II. Best Management Practices (BMPs)
- III. Routine Inspections
- IV. Preparedness, Prevention and Contingency (PPC) Plan
- V. Stormwater Monitoring Requirements
- VI. Other Requirements

There are no open violations in effects associated with the subject Client ID (297352) as of 9/6/2023. *9/6/2023 CWY*

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	9/6/2023
X		Chad W. Yuriscic Chad W. Yuriscic, P.E. / Environmental Engineer Manager	9/6/2023

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0</u>
Latitude	<u>40° 51' 29.00"</u>	Longitude	<u>-80° 19' 46.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>

Wastewater Description: Stormwater

Receiving Waters	<u>Unnamed Tributary to the Beaver River (WWF)</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>123918217</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi ²)	<u>-</u>
Q ₇₋₁₀ Flow (cfs)	<u>-</u>	Q ₇₋₁₀ Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-B</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>

Assessment Status	<u>Impaired*</u>
Cause(s) of Impairment	<u>Metals</u>
Source(s) of Impairment	<u>Acid Mine Drainage</u>
TMDL Status	<u>-</u> Name <u>-</u>

Background/Ambient Data	Data Source
pH (SU)	<u>-</u>
Temperature (°F)	<u>-</u>
Hardness (mg/L)	<u>-</u>
Other:	<u>-</u>

Nearest Downstream Public Water Supply Intake	<u></u>
PWS Waters	<u></u> Flow at Intake (cfs) <u></u>
PWS RMI	<u></u> Distance from Outfall (mi) <u></u>

* - The receiving stream is impaired for Total Aluminum, Total Iron, and Total Manganese. Per the SOP, monitoring for Aluminum, Iron, and Manganese will be added.

No modeling was performed with this renewal as the discharges are stormwater only.

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.

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) ⁽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
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Calculation
Ammonia	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Arsenic	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cadmium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cyanide	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Manganese	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Mercury	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Outfall 001 , Continued (from 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		
Total Selenium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Silver	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001, prior to mixing with any other wastewaters.

Monitoring for pH, COD, TSS, Total Nitrogen, Ammonia, Total Phosphorus, Total Arsenic, Total Cadmium, Total Cyanide, Total Lead, Total Manganese, Total Mercury, Total Selenium, and Total Silver is based on Appendix A for Hazardous Waste Treatment, Storage, or Disposal Facilities under the PAG-03 General Permit issued in 12/2022. Monitoring for Total Aluminum, Total Iron, and Total Manganese is based on Chapter 92a.61.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0.0</u>
Latitude	<u>40° 51' 27.00"</u>	Longitude	<u>-80° 19' 40.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>

Wastewater Description: Stormwater

Receiving Waters	<u>Unnamed Tributary to the Beaver River (WWF)</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>123918217</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi ²)	<u>-</u>
Q ₇₋₁₀ Flow (cfs)	<u>-</u>	Q ₇₋₁₀ Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-B</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>

Assessment Status Impaired*

Cause(s) of Impairment Metals

Source(s) of Impairment Acid Mine Drainage

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 _____

PWS Waters	_____	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	_____

* - The receiving stream is impaired for Total Aluminum, Total Iron, and Total Manganese. Per the SOP, monitoring for Aluminum, Iron, and Manganese will be added.

No modeling was performed with this renewal as the discharges are stormwater only.

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
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Calculation
Ammonia	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Arsenic	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cadmium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cyanide	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Manganese	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Mercury	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Selenium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Outfall 002, Continued (from 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		
Total Silver	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 002, prior to mixing with any other wastewaters.

Monitoring for pH, COD, TSS, Total Nitrogen, Ammonia, Total Phosphorus, Total Arsenic, Total Cadmium, Total Cyanide, Total Lead, Total Manganese, Total Mercury, Total Selenium, and Total Silver is based on Appendix A for Hazardous Waste Treatment, Storage, or Disposal Facilities under the PAG-03 General Permit issued in 12/2022. Monitoring for Total Aluminum, Total Iron, and Total Manganese is based on Chapter 92a.61.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>003</u>	Design Flow (MGD)	<u>0.0</u>
Latitude	<u>40° 51' 28.00"</u>	Longitude	<u>-80° 19' 34.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>

Wastewater Description: Stormwater

Receiving Waters	<u>Unnamed Tributary to the Beaver River (WWF)</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>123918217</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi ²)	<u>-</u>
Q ₇₋₁₀ Flow (cfs)	<u>-</u>	Q ₇₋₁₀ Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-B</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>

Assessment Status Impaired*

Cause(s) of Impairment Metals

Source(s) of Impairment Acid Mine Drainage

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 _____

PWS Waters	_____	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	_____

* - The receiving stream is impaired for Total Aluminum, Total Iron, and Total Manganese. Per the SOP, monitoring for Aluminum, Iron, and Manganese will be added.

No modeling was performed with this renewal as the discharges are stormwater only.

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
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Calculation
Ammonia	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Arsenic	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cadmium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cyanide	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Manganese	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Mercury	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Selenium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Outfall 003, Continued (from 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		
Total Silver	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 003, prior to mixing with any other wastewaters.

Monitoring for pH, COD, TSS, Total Nitrogen, Ammonia, Total Phosphorus, Total Arsenic, Total Cadmium, Total Cyanide, Total Lead, Total Manganese, Total Mercury, Total Selenium, and Total Silver is based on Appendix A for Hazardous Waste Treatment, Storage, or Disposal Facilities under the PAG-03 General Permit issued in 12/2022. Monitoring for Total Aluminum, Total Iron, and Total Manganese is based on Chapter 92a.61.