

Application Type Renewal
Facility Type Industrial
Major / Minor Minor

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

Application No. PA0104370
APS ID 1019328
Authorization ID 1319704

Applicant and Facility Information

Applicant Name	<u>Arete QIS, LLC</u>	Facility Name	<u>Quality Components</u>
Applicant Address	<u>103 Bridge Street</u> <u>Ridgway, PA 15853</u>	Facility Address	<u>103 Bridge Street</u> <u>Ridgway, PA 15853</u>
Applicant Contact	<u>David Van Slander</u>	Facility Contact	<u>Pamela Samick</u>
Applicant Phone	<u>(814) 781-1194</u>	Facility Phone	<u>(814) 781-1194</u>
Client ID	<u>303689</u>	Site ID	<u>241259</u>
SIC Code	<u>3600, 3674, 3676, 3679, and 3699</u>	Municipality	<u>Ridgway Township</u>
SIC Description	<u>Electronic and Other Electric Equipment, Manufacturing - Electrical Equipment and Supplies, Nec, Manufacturing - Electronic Components, Nec, Manufacturing - Electronic Resistors, and Manufacturing - Semiconductors and Related Devices</u>	County	<u>Elk County</u>
Date Application Received	<u>June 1, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>July 10, 2020</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of an existing Individual NPDES Permit for an Industrial Waste discharge (NCCW).</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 continue to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIREMENTS:

- A. Right of Way
- B. Solids Handling
- C. NPDES Permit Supersedes WQM Permits
- D. Modification or Revocation for Changes to BAT or BCT
- E. No Net Addition of Pollutants to NCCW

SPECIAL CONDITIONS:

- II. Requirements Applicable to Stormwater Outfalls

There are no open violation in efacts associated with the subject Client ID (303689) as of 6/10/2021.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	6/10/2021
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	6/21/2021

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0037
Latitude	41° 25' 9.50"	Longitude	-78° 39' 29.40"
Quad Name	-	Quad Code	-
Wastewater Description: Noncontact Cooling Water (NCCW)			
Receiving Waters	Elk Creek (CWF)	Stream Code	50459
NHD Com ID	102665579	RMI	6.0
Drainage Area	-	Yield (cfs/mi ²)	-
Q ₇₋₁₀ Flow (cfs)	-	Q ₇₋₁₀ Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	17-A	Chapter 93 Class.	CWF
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	Elk Creek TMDL* (Elk County) 50459
Background/Ambient Data		Data Source	
pH (SU)	-	-	
Temperature (°F)	-	-	
Hardness (mg/L)	-	-	
Other:	-	-	
Nearest Downstream Public Water Supply Intake		Pennsylvania American Water Company - Clarion	
PWS Waters	Clarion River	Flow at Intake (cfs)	90.7
PWS RMI	33.3	Distance from Outfall (mi)	65.0

* - There is a TMDL on Elk Creek surrounding the discharge point for the three primary metals associated with acid mine drainage (iron, manganese, aluminum) and pH. The segment of Elk Creek where the discharge is located was not accessed, so no further action will be taken at this time.

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.

Narrative: This Fact Sheet details the determination of draft NPDES permit limits for an existing discharge of industrial waste-related wastewater consisting of NCCW from a facility in Ridgway Township, Elk County.

1. **Streamflow:**

The drainage area and the Q₇₋₁₀ low flow were obtained from USGS Streamstats for the nearest stream with a gage station. The yieldrate at for the Elk Creek was calculated. Using that yieldrate and the drainage area at the discharge point allows the Q₇₋₁₀ at the discharge to be calculated.

Clarion River at Johnsonburg, PA: (USGS Gage No. 03028500)	Drainage Area: <u>204</u> sq. mi. (from StreamStats)
	Q ₇₋₁₀ : <u>6.6</u> cfs (from StreamStats)
	Yieldrate: <u>0.03</u> cfsm (calculated)

<u>Elk Creek at Outfall 001:</u>	Yieldrate: <u>0.03</u> cfsm (calculated above)
	Drainage Area: <u>45.8</u> sq. mi. (from StreamStats)
	Q ₇₋₁₀ : <u>1.37</u> cfs (from StreamStats)

2. **Wasteflow: Outfall 001**

Maximum discharge: 0.0037 MGD = 0.0057 cfs

Runoff flow period: 8.0 hours Basis: Runoff flow based on application

24 hour flow: 0.0037 MGD x 24/8 = 0.011 MGD = 0.017 cfs

Flow will be monitored as recommended in the SOP, based on Chapter 92a.61.

3. **Parameters:**

pH

Between 6.0 and 9.0 at all times

Basis: Application of Chapter 95.2 technology-based limits.

Temperature

Monitor and Report due to NCCW

Basis: Application of Chapter 92a.61.

4. **Evaluation of NO₂-NO₃, Fluoride, Phenolics, Sulfates, and Chlorides:**

Nearest Downstream potable water supply (PWS): Pennsylvania American Water Company - Clarion

Distance downstream from the point of discharge: 65.0 miles (approximate)

- No limits necessary
- Limits needed

Basis: Significant dilution available (see below).

5. **Anti-Backsliding:**

Since all the permit limits in this renewal are the same or more restrictive than the previous NPDES Permit, anti-backsliding is not applicable.

Compliance History

DMR Data for Outfall 001 (from May 1, 2020 to April 30, 2021)

Parameter	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20	JUN-20	MAY-20
Flow (MGD) Average Monthly	300	300	300	300	300	300	300	300	300	300	300	300
pH (S.U.) Minimum	8.0	8.1	8.1	8.1	8.1	7.9	7.7	7.7	7.7	7.8	7.9	7.7
pH (S.U.) Instantaneous Maximum	7.9	8.0	8.0	8.2	8.0	7.8	7.8	7.8	7.8	7.8	7.8	7.8
Temperature (°F) Average Monthly	66	65.5	65	66.5	60.7	64.5	67	68	67.5	67.5	67	67

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) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
Temperature (°F)	XXX	XXX	XXX	Report	XXX	XXX	1/month	I-S

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

Flow and Temperature are monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 95.2.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0.00</u>
Latitude	<u>41° 25' 7.00"</u>	Longitude	<u>-78° 39' 36.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Elk Creek (CWF)</u>	Stream Code	<u>50459</u>
NHD Com ID	<u>102665579</u>	RMI	<u>6.0</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>17-A</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>-</u>		
Source(s) of Impairment	<u>-</u>		
TMDL Status	<u>Final</u>	Name	<u>Elk Creek TMDL (Elk County) 50459</u>
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	<u>Pennsylvania American Water Company - Clarion</u>		
PWS Waters	<u>Clarion River</u>	Flow at Intake (cfs)	<u>90.7</u>
PWS RMI	<u>33.3</u>	Distance from Outfall (mi)	<u>65.0</u>

This facility does not fall under any of the PAG-03 appendices based on the SIC codes provided. Stormwater sampling has not been required in the past and will not be established in this permit cycle. JCD