

Application Type Renewal
Facility Type Industrial
Major / Minor Minor

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

Application No. PA0104396
APS ID 1023525
Authorization ID 1327542

Applicant and Facility Information

Applicant Name	<u>Kullagruppen USA Holding Company</u>	Facility Name	<u>Kullagruppen USA Holding</u>
Applicant Address	<u>568 Tomato Drive</u> <u>Punxsutawney, PA 15767</u>	Facility Address	<u>568 Tomato Drive</u> <u>Punxsutawney, PA 15767</u>
Applicant Contact	<u>Fredrik Leo, Site Coordinator</u>	Facility Contact	<u>Artem Murashko, Site Manager</u>
Applicant Phone	<u>011 46 735 04 6671</u>	Facility Phone	<u>(814) 365-5717</u>
Client ID	<u>324584</u>	Site ID	<u>451382</u>
SIC Code	<u>0182</u>	Municipality	<u>Ringgold Township</u>
SIC Description	<u>Agriculture - Food Crops Grown Under Cover</u>	County	<u>Jefferson County</u>
Date Application Received	<u>August 31, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>September 18, 2020</u>	If No, Reason	<u>-</u>

Purpose of Application Renewal of the NPDES Individual Industrial Waste Permit for a greenhouse with boiler blowdown, sanitary sewage, and stormwater discharges.

Summary of Review

Act 14 - Proof of Notification was submitted and received.
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.

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. Effluent Chlorine Optimization and Minimization

SPECIAL CONDITIONS:

- II. Solids Management
- III. Chemical Additives

There is 1 open violation in efacts associated with the subject Client ID (324584) as of 5/9/2022 (see Attachment 1).

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	5/9/2022 AJP 5/10/2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	5/12/2022

Since the Permittee is proposing to eliminate all the discharges from this facility, no changes are being made with this NPDES Permit renewal.

The current facility wastewater sources are as follows:

The sanitary sewage generated at this facility flows to a treatment system that has become overgrown and the discharge cannot be located.

Boiler blowdown is piped to the lagoon along with the main facility stormwater.

The proposed changes to the wastewater sources are as follows:

The permittee is planning to collect the sanitary wastewater and boiler blowdown in a holding tank for pumping and hauling to an approved offsite disposal facility.

The discharge from the lagoon is also planned to be eliminated.

Once all the discharges from the facility have been eliminated, the Permittee would be able to request that the NPDES Permit for this facility be terminated.

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.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.2025</u>
Latitude	<u>40° 58' 40.00"</u>	Longitude	<u>-79° 09' 48.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>IW Process Effluent with ELG, Stormwater</u>			
Receiving Waters	<u>Caylor Run (CWF)</u>	Stream Code	<u>47377</u>
NHD Com ID	<u>123856100</u>	RMI	<u>0.72</u>
Drainage Area	<u>1.34</u>	Yield (cfs/mi ²)	<u>0.055</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.073</u>	Q ₇₋₁₀ Basis	<u>calculated</u>
Elevation (ft)	<u>1320</u>	Slope (ft/ft)	<u>0.01578</u>
Watershed No.	<u>17-D</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>Impaired*</u>		
Cause(s) of Impairment	<u>Metals and pH</u>		
Source(s) of Impairment	<u>Abandoned Mine Drainage</u>		
TMDL Status	<u>Final, 03/27/2007</u>	Name	<u>Pine Run Watershed</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>3.3</u>	Average from the Pine Run TMDL	
Temperature (°F)	<u>-</u>		
Hardness (mg/L)	<u>-</u>		
Other:	<u>-</u>		
Nearest Downstream Public Water Supply Intake	<u>Kittanning Suburban Joint Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>987</u>
PWS RMI	<u>45.6</u>	Distance from Outfall (mi)	<u>30.0</u>

* - Due to the AMD impairment of the receiving stream, monitoring was previously added for Total Aluminum, Total Iron, and Total Manganese and will be retained with this renewal.

Treatment permitted under WQM Permit number 3390201 consists of:

A 150,000 gallon 35 mil polyester reinforced Hypalon lined basin with a design retention time of 1.5 days for process wastewater, and a 1.2 million gallon synthetically lined basin for the capture and settling of stormwater runoff.

This discharge consists of treated sanitary wastewater (IMP 301), stormwater (IMP 401), and excess greenhouse nutrient water and wastewater associated with the production of potable water (IMP 601).

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/week	Calculation*
Total Aluminum	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Calculation**
Total Iron	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Calculation**
Total Manganese	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Calculation**

* - Flow is to be calculated by adding the estimated flows from IMPs 301 and 601.

** - The Annual Average concentration value is to be calculated by adding the concentrations from IMPs 301 and 601.

Compliance Sampling Location: at any point after IMPs 301, 401, and 601 have completely mixed together, or at Outfall 001.

Flow, Aluminum, Iron, and Manganese are monitor only based on Chapter 92a.61.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>301</u>	Design Flow (MGD)	<u>0.00175</u>
Latitude	<u>40° 58' 33.24"</u>	Longitude	<u>-79° 09' 54.78"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Caylor Run (CWF)</u>	Stream Code	<u>47377</u>
NHD Com ID	<u>123856100</u>	RMI	<u>0.72</u>
Drainage Area	<u>1.34</u>	Yield (cfs/mi ²)	<u>0.055</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.073</u>	Q ₇₋₁₀ Basis	<u>calculated</u>
Elevation (ft)	<u>1320</u>	Slope (ft/ft)	<u>0.01578</u>
Watershed No.	<u>17-D</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>Impaired*</u>		
Cause(s) of Impairment	<u>Metals and pH</u>		
Source(s) of Impairment	<u>Abandoned Mine Drainage</u>		
TMDL Status	<u>Final, 03/27/2007</u>	Name	<u>Pine Run Watershed</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>3.3</u>	<u>Average from the Pine Run TMDL</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>Kittanning Suburban Joint Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>987</u>
PWS RMI	<u>45.6</u>	Distance from Outfall (mi)	<u>30.0</u>

* - Due to the AMD impairment of the receiving stream, monitoring was previously added for Total Aluminum, Total Iron, and Total Manganese and will be retained with this renewal.

Permitted Treatment consists of: A 2,500 gallon septic tank in series with a 1,000 gallon septic tank, a 1,600 square foot (40' x 40') subsurface sand filter, followed by a tablet chlorinator with a 500 gallon chlorine contact tank.

This discharge consists of treated sanitary wastewater.

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 301, 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/week	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/week	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.2	1/week	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	2/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab
Total Aluminum	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Grab
Total Manganese	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Grab

Compliance Sampling Location: at the chlorine contact tank outlet.

Flow is monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 95.2. The Total Residual Chlorine (TRC) limits are technology-based on Chapter 92a.48. The limits for CBOD₅, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47. Aluminum, Iron, and Manganese are monitor only based on Chapter 92a.61.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>401</u>	Design Flow (MGD)	<u>0.0000</u>
Latitude	<u>40° 58' 32.08"</u>	Longitude	<u>-79° 09' 55.81"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Caylor Run (CWF)</u>	Stream Code	<u>47377</u>
NHD Com ID	<u>123856100</u>	RMI	<u>0.72</u>
Drainage Area	<u>1.34</u>	Yield (cfs/mi ²)	<u>0.055</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.073</u>	Q ₇₋₁₀ Basis	<u>calculated</u>
Elevation (ft)	<u>1320</u>	Slope (ft/ft)	<u>0.01578</u>
Watershed No.	<u>17-D</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>Impaired</u>		
Cause(s) of Impairment	<u>Metals and pH</u>		
Source(s) of Impairment	<u>Abandoned Mine Drainage</u>		
TMDL Status	<u>Final, 03/27/2007</u>	Name	<u>Pine Run Watershed</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>3.3</u>	Average from the Pine Run TMDL	
Temperature (°F)	<u>-</u>		
Hardness (mg/L)	<u>-</u>		
Other:	<u>-</u>		
Nearest Downstream Public Water Supply Intake	<u>Kittanning Suburban Joint Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>987</u>
PWS RMI	<u>45.6</u>	Distance from Outfall (mi)	<u>30.0</u>

This discharge consists of stormwater. In response to the request letter received by the Department on March 15, 2022 (see Attachment 2), the previous stormwater monitoring for this facility is being removed with this renewal.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>601</u>	Design Flow (MGD)	<u>0.0995</u>
Latitude	<u>40° 58' 34.13"</u>	Longitude	<u>-79° 09' 54.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>IW Process Effluent without ELG</u>			
Receiving Waters	<u>Caylor Run (CWF)</u>	Stream Code	<u>47377</u>
NHD Com ID	<u>123856100</u>	RMI	<u>0.72</u>
Drainage Area	<u>1.34</u>	Yield (cfs/mi ²)	<u>0.055</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.073</u>	Q ₇₋₁₀ Basis	<u>calculated</u>
Elevation (ft)	<u>1320</u>	Slope (ft/ft)	<u>0.01578</u>
Watershed No.	<u>17-D</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>Impaired*</u>		
Cause(s) of Impairment	<u>Metals and pH</u>		
Source(s) of Impairment	<u>Abandoned Mine Drainage</u>		
TMDL Status	<u>Final, 03/27/2007</u>	Name	<u>Pine Run Watershed</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>3.3</u>	<u>Average from the Pine Run TMDL</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>Kittanning Suburban Joint Water Authority</u>	
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>987</u>
PWS RMI	<u>45.6</u>	Distance from Outfall (mi)	<u>30.0</u>

* - Due to the AMD impairment of the receiving stream, monitoring was previously added for Total Aluminum, Total Iron, and Total Manganese and will be retained with this renewal.

Permitted Treatment consists of: A 150,000 gallon 35 mil polyester reinforced Hypalon lined basin with a design retention time of 1.5 days for process wastewater, and a 1.2 million gallon synthetically lined basin for the capture and settling of stormwater runoff.

This discharge consists of excess greenhouse nutrient water and wastewater associated with the production of potable water.

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 601, 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/week	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/week	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	2/month	Grab
Total Aluminum	XXX	XXX	XXX	Report AnnI Avg	XXX	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	Report AnnI Avg	XXX	XXX	1/year	Grab
Total Manganese	XXX	XXX	XXX	Report AnnI Avg	XXX	XXX	1/year	Grab

Compliance Sampling Location: at the water treatment basin.

Flow is monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 95.2. The limits for Total Suspended Solids are technology-based on Chapter 92a.61. Aluminum, Iron, and Manganese are monitor only based on Chapter 92a.61.

Attachment 1



WATER MANAGEMENT SYSTEM
OPEN VIOLATIONS BY CLIENT

Client ID: 324584
Client: All

Open Violations: 1

CLIENT ID	CLIENT	PF ID	FACILITY	PF STATUS	INSP PROGRAM	PROGRAM SPECIFIC ID
324584	KULLAGRUPPEN USA HOLDING CO	241598	KULLAGRUPPEN USA HOLDING CO/RINGGOLD TWP	Active	Air Quality	47-4894309-1

INSP ID	VIOLATION ID	INSPECTION CATEGORY	VIOLATION DATE	VIOLATION CODE	VIOLATION	INSP REGION
3330535	946995	PF	02/01/2022	127.703	Construction, Modification, Reactivation and Operation of Sources. Plan Approval and Operating Permit Fees, Operating permit fees under Subchapter F. Failure to submit operating permit fees.	NWRO



Attachment 2

BLAIR COUNTY
1731 N. JUNIATA STREET
HOLLIDAYSBURG, PA 16648
TEL: 814.696.6280
FAX: 814.696.6240

March 14, 2022

Mr. Stephen McCauley
Department of Environmental Protection
Northwest Regional Office
230 Chestnut Street
Meadville, PA 16335

Re: Kullagruppen NPDES Permit Re-Issuance

Dear Mr. McCauley:

Kullagruppen USA Holding Company ("Kullagruppen") has submitted an application for renewal of its NPDES Permit (No. PA0104396) to the Department. Our firm (Stiffler, McGraw & Associates, Inc.) has previously provided consultation to furnish supplementary items deemed deficient by the Department. The existing permit requires monitoring to ensure discharge limitations for sanitary waste, industrial waste, and industrial stormwater discharges are met at several outfall locations.

As part of the original transfer of ownership of the facility to Kullagruppen, the permit established by the previous owner was not modified to suit the operations established by Kullagruppen. Since that time, Kullagruppen has made additional modifications to operations at the facility that further deviate from those under which the original permit was established, leaving Kullagruppen to perform regular sampling on discharges that are outside the scope of the facility's daily operations.

Currently, the facility operates as a commercial greenhouse. This type of facility may be most suitably categorized by SIC Code 0182 – Food Crops Grown Under Cover or, alternatively, NAICS Code 111419 – Other Food Crops Grown Under Cover. Commercial enterprises operating under these classifications are unlikely to discharge stormwater that comes into contact with industrial materials or activities due to the indoor nature of the processes. On behalf of Kullagruppen USA Holding Company, we are formally requesting that the Department remove industrial stormwater coverage from Kullagruppen's re-issued NPDES Permit, pursuant to 40 CFR § 122.26 as adopted by the Department in its PAG-03 Permit coverage criteria (3800-PM-BCW0083a).

If you should have questions or wish to discuss this request in more detail, please do not hesitate to contact our office.

Sincerely,

Jeremy M. Wilson, E.I.T.
Project Designer

Enclosures
Cc: File