

Application Type Amendment, Major
 Facility Type Industrial
 Major / Minor Minor

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

Application No. PA0035718 A-1
 APS ID 1102117
 Authorization ID 1463985

Applicant and Facility Information

Applicant Name	<u>John Koller & Son, Inc.</u>	Facility Name	<u>Fairview Swiss Cheese</u>
Applicant Address	<u>1734 Perry Highway</u> <u>Fredonia, PA 16124-2720</u>	Facility Address	<u>1734 Perry Highway</u> <u>Fredonia, PA 16124-2720</u>
Applicant Contact	<u>Richard Koller</u> <u>(r.koller@fairviewswisscheese.com)</u>	Facility Contact	<u>Richard Koller</u> <u>(r.koller@fairviewswisscheese.com)</u>
Applicant Phone	<u>(724) 475-4154</u>	Facility Phone	<u>(724) 475-4154</u>
Client ID	<u>45009</u>	Site ID	<u>241985</u>
SIC Code	<u>2022, 5400, 5451</u>	Municipality	<u>Fairview Township</u>
SIC Description	<u>Food Stores, Manufacturing - Cheese, Natural and Processed, Retail Trade - Dairy Products Stores</u>	County	<u>Mercer</u>
Date Application Received	<u>November 16, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 6, 2023</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Amendment to an existing NPDES Permit to extend the monitoring period of the TRE for Total Cobalt, Total Copper, and Total Nickel.</u>		

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. Little or No Assimilative Capacity or Dilution

SPECIAL CONDITIONS:

- II. Water Quality-Based Effluent Limitations for Toxic Pollutants
- III. Chemical Additives
- IV. Requirements Applicable to Stormwater Outfalls

There are no open violations in effects associated with the subject Client ID (45009) as of 1/17/2024.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	1/17/2024
X		Vacant / Environmental Engineer Manager	Okay to Draft JCD 1/18/2024

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.05</u>
Latitude	<u>41° 20' 19.68"</u>	Longitude	<u>-80° 13' 33.43"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>IW Process Effluent with ELG, Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to the Otter Creek (TSF)</u>	Stream Code	<u>35722</u>
NHD Com ID	<u>130029371</u>	RMI	<u>0.97</u>
Drainage Area	<u>0.12</u>	Yield (cfs/mi ²)	<u>0.0527</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.006</u>	Q ₇₋₁₀ Basis	<u>calculated</u>
Elevation (ft)	<u>1277</u>	Slope (ft/ft)	<u>0.028</u>
Watershed No.	<u>20-A</u>	Chapter 93 Class.	<u>TSF</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>-</u>	Name	<u>-</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>		<u>-</u>
Temperature (°C)	<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 - Ellwood City</u>		
PWS Waters	<u>Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>27.6</u>
PWS RMI	<u>0.20</u>	Distance from Outfall (mi)	<u>49.0</u>

It was requested with this Amendment to delay the implementation of the calculated WQBELs for Total Cobalt, Total Copper, and Total Nickel until June 1, 2026. It also requested that the final TRE Report due date be extended to November 30, 2025. This NPDES Permit expires on May 31, 2026, so the compliance date cannot be extended past that date. The WQBELs for Total Cobalt, Total Copper, and Total Nickel were set to take effect on *May 1, 2026 since the final limits must be in effect prior to the expiration of the permit (JCD)*. As requested, the final TRE Report due date was set for November 30, 2025.

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.

Compliance History

DMR Data for Outfall 001 (from December 1, 2022 to November 30, 2023)

Parameter	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23	MAR-23	FEB-23	JAN-23	DEC-22
Flow (MGD) Average Monthly	0.037	0.036	0.030	0.037	0.04	0.042	0.051	0.049	0.051	0.051	0.051	0.051
Flow (MGD) Daily Maximum	0.042	0.044	0.035	0.045	0.05	0.052	0.063	0.059	0.063	0.062	0.065	0.063
pH (S.U.) Instantaneous Minimum	8.20	8.19	8.26	8.19	8.17	8.16	8.12	8.18	8.19	8.26	8.19	8.16
pH (S.U.) Instantaneous Maximum	8.40	8.35	8.59	8.58	8.42	8.37	8.36	8.32	8.31	8.35	8.34	8.35
TRC (mg/L) Average Monthly	0.37	0.49	0.37	0.45	0.48	0.49	0.42	0.40	0.36	0.39	0.39	0.40
BOD5 (lbs/day) Average Monthly	1.574	< 1.200	< 1.001	< 1.234	< 1.434	< 1.54	2.211	5.84	< 0.966	< 0.85	< 0.85	< 0.85
BOD5 (lbs/day) Daily Maximum	1.892	< 1.468	< 1.168	< 1.501	1.918	< 2.04	3.362	13.88	1.334	< 1.03	< 1.08	< 1.03
BOD5 (mg/L) Average Monthly	5.1	< 4.0	< 4.0	< 4.0	< 4.3	< 4.4	< 5.2	14.3	< 2.27	< 2.0	< 2.0	< 2.0
BOD5 (mg/L) Daily Maximum	5.4	< 4.0	< 4.0	< 4.0	4.6	< 4.8	6.4	28.2	2.54	< 2.0	< 2.0	< 2.0
TSS (lbs/day) Average Monthly	2.623	< 1.501	1.251	2.469	3.252	3.50	2.764	5.52	< 2.127	< 2.13	2.45	< 2.13
TSS (lbs/day) Daily Maximum	3.328	1.835	1.46	4.128	4.379	6.29	3.940	7.13	< 2.627	< 2.59	3.52	< 2.63
TSS (mg/L) Average Monthly	8.5	< 5.0	< 5.0	8.0	9.75	10.0	6.5	13.5	< 5.0	5.0	< 5.75	< 5.0
TSS (mg/L) Daily Maximum	9.5	5.0	5.0	11.0	10.5	14.5	7.5	14.5	< 5.0	< 5.0	6.5	< 5.0
Fecal Coliform (No./100 ml) Geometric Mean	556.56	7.141	44.159	68.78	344.35	76.43	37.60	214.4	< 1	438.29	36	3.872
Total Nitrogen (mg/L) Average Monthly	31.58	22.84	55.1	15.4	14.07	2.49	9.53	6.12	19.1	89.3	19.8	98.4
Ammonia (lbs/day) Average Monthly	0.1203	0.1351	0.078	0.108	0.202	0.23	< 0.138	0.17	< 0.213	< 0.21	< 0.21	< 0.213
Ammonia (lbs/day) Daily Maximum	0.1366	0.1651	0.090	0.139	0.248	0.28	< 0.170	0.20	< 0.263	< 0.26	< 0.27	< 0.263
Ammonia (mg/L) Average Monthly	0.39	0.45	0.31	0.35	0.595	0.65	< 0.325	0.415	< 0.5	< 0.05	< 0.5	< 0.5
Total Phosphorus (mg/L) Average Monthly	78.1	90.8	76.8	71.6	84.5	72.6	82.2	87.3	81.4	79.9	104	76
Total Cobalt (lbs/day) Average Monthly	0.0110	0.0119	0.0099	0.012	0.0153	0.0107	0.0147	0.013	0.013	0.017	0.021	0.021

Total Cobalt (lbs/day) Daily Maximum	0.0130	0.0148	0.0011	0.0147	0.0193	0.015	0.0191	0.017	0.016	0.021	0.027	0.026
Total Cobalt (mg/L) Average Monthly	0.0359	0.0397	0.0397	0.0388	0.0459	0.0307	0.0322	0.033	0.03	0.04	0.05	0.05
Total Cobalt (mg/L) Daily Maximum	0.0372	0.0404	0.0410	0.0392	0.0462	0.0346	0.0364	0.0338	0.03	0.04	0.05	0.05
Total Copper (lbs/day) Average Monthly	< 0.0022	< 0.0021	< 0.0017	< 0.0022	< 0.0023	< 0.0024	< 0.0029	< 0.003	< 0.004	< 0.004	< 0.004	< 0.004
Total Copper (lbs/day) Daily Maximum	< 0.0025	< 0.0027	< 0.0020	< 0.0026	< 0.0029	< 0.003	< 0.0036	< 0.003	< 0.005	< 0.005	< 0.005	< 0.005
Total Copper (mg/L) Average Monthly	< 0.007	< 7	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.01	< 0.01	< 0.01	< 0.01
Total Copper (mg/L) Daily Maximum	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.01	< 0.01	< 0.01	< 0.01
Total Nickel (lbs/day) Average Monthly	0.0076	0.0069	0.0051	0.0048	0.0055	0.0055	0.0063	0.008	0.009	0.021	0.021	0.021
Total Nickel (lbs/day) Daily Maximum	0.0010	0.0087	0.0061	0.006	0.0071	0.007	0.0079	0.010	0.011	0.026	0.027	0.026
Total Nickel (mg/L) Average Monthly	0.0245	0.0232	0.0205	0.0157	0.0164	0.0158	0.015	0.0206	0.02	0.05	0.05	0.05
Total Nickel (mg/L) Daily Maximum	0.0028	0.0236	0.0209	0.016	0.017	0.0161	0.0152	0.0206	0.02	0.05	0.05	0.05

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 April 30, 2026.

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	Daily Maximum	Instant. Maximum		
Total Cobalt	Report	Report	XXX	Report	Report	XXX	2/month	Grab- Composite
Total Copper	Report	Report	XXX	Report	Report	XXX	2/month	Grab- Composite
Total Nickel	Report	Report	XXX	Report	Report	XXX	2/month	Grab- Composite

Compliance Sampling Location: Outfall 001, after disinfection

Monitoring for Total Cobalt, Total Copper, and Total Nickel is based on Chapter 92a.61.

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: May 1, 2026 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	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Cobalt	0.013	0.021	XXX	0.019	0.029	0.047	1/week	Grab- Composite
Total Copper	0.012	0.018	XXX	0.016	0.026	0.042	1/week	Grab- Composite
Total Nickel	0.065	0.1	XXX	0.093	0.146	0.234	1/week	Grab- Composite

Compliance Sampling Location: Outfall 001, after disinfection

The limits for Total Cobalt, Total Copper, and Total Nickel are water quality-based on Chapter 16.

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	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Continuous	Measured
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
BOD5	9.4	22.2	XXX	10.0	20.0	58	2/month	Grab- Composite
TSS	13.5	31.4	XXX	10.0	20.0	82	2/month	Grab- Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	XXX	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	2/month	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab- Composite
Ammonia	0.5	1.0	XXX	0.5	XXX	3	2/month	Grab- Composite
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab- Composite

Compliance Sampling Location: Outfall 001, after disinfection

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0.00</u>
Latitude	<u>41° 20' 19.37"</u>	Longitude	<u>-80° 13' 34.04"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater (No Exposure)</u>			

Receiving Waters	<u>Unnamed Tributary to the Otter Creek (TSF)</u>	Stream Code	<u>35722</u>
NHD Com ID	<u>130029371</u>	RMI	<u>-</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-A</u>	Chapter 93 Class.	<u>TSF</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>-</u>	Name	<u>-</u>

Background/Ambient Data		Data Source
pH (SU)	<u>-</u>	<u>-</u>
Temperature (°C)	<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 - Ellwood City</u>		
PWS Waters	<u>Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>27.6</u>
PWS RMI	<u>0.20</u>	Distance from Outfall (mi)	<u>49.0</u>

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>003</u>	Design Flow (MGD)	<u>0.00</u>
Latitude	<u>41° 20' 20.97"</u>	Longitude	<u>-80° 13' 33.51"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater (No Exposure)</u>			

Receiving Waters	<u>Unnamed Tributary to the Otter Creek (TSF)</u>	Stream Code	<u>35722</u>
NHD Com ID	<u>130029371</u>	RMI	<u>-</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-A</u>	Chapter 93 Class.	<u>TSF</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>-</u>	Name	<u>-</u>

Background/Ambient Data		Data Source
pH (SU)	<u>-</u>	<u>-</u>
Temperature (°C)	<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 - Ellwood City</u>		
PWS Waters	<u>Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>27.6</u>
PWS RMI	<u>0.20</u>	Distance from Outfall (mi)	<u>49.0</u>

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>004</u>	Design Flow (MGD)	<u>0.00</u>
Latitude	<u>41° 20' 20.97"</u>	Longitude	<u>-80° 13' 33.71"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater (No Exposure)</u>			

Receiving Waters	<u>Unnamed Tributary to the Otter Creek (TSF)</u>	Stream Code	<u>35722</u>
NHD Com ID	<u>130029371</u>	RMI	<u>-</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-A</u>	Chapter 93 Class.	<u>TSF</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>-</u>	Name	<u>-</u>

Background/Ambient Data		Data Source
pH (SU)	<u>-</u>	<u>-</u>
Temperature (°C)	<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 - Ellwood City</u>		
PWS Waters	<u>Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>27.6</u>
PWS RMI	<u>0.20</u>	Distance from Outfall (mi)	<u>49.0</u>