

Application Type New  
Facility Type Municipal  
Major / Minor Minor

**NPDES PERMIT FACT SHEET  
RE-DRAFT**

Application No. PA0267082  
APS ID 1009054  
Authorization ID 1301202

**Applicant and Facility Information**

Applicant Name	<u>West Cocalico Township Authority</u>	Facility Name	<u>West Cocalico Township Authority WWTP</u>
Applicant Address	<u>156B West Main Street, PO Box 95 Reinholds, PA 17569-0095</u>	Facility Address	<u>Creamery Road T989 West Cocalico, PA 17569</u>
Applicant Contact	<u>Carolyn Hildebrand</u>	Facility Contact	<u>Brian Norris</u>
Applicant Phone	<u>(717) 336-6265</u>	Facility Phone	<u>(717) 336-6265</u>
Client ID	<u>24878</u>	Site ID	<u>840972</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>West Cocalico Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Lancaster</u>
Date Application Received	<u>December 24, 2019</u>	EPA Waived?	<u>No</u>
Date Application Accepted	<u>January 16, 2020</u>	If No, Reason	<u>New CB Discharger</u>
Purpose of Application	<u>Application for a new NPDES permit for discharge of treated Sewage</u>		

**Summary of Review**

A draft NPDES permit was issued on May 26, 2020, and was published in the PA Bulletin on June 6, 2020. Comments were received from the Environmental Protection Agency (EPA) Region III on June 24, 2020, and are shown below:

*"The factsheet states the following requirements for a compliance schedule.*

*A compliance schedule is necessary for the construction of the WWTP. The following conditions will be incorporated into Part C of the NPDES permit:*

*A. The permittee shall achieve compliance with Cap Loads in accordance with the following schedule:*

- |   |  |
|---|--|
| 1. Start Construction                   | <u>Within 14 months of permit issuance</u> |
| 2. Progress report(s)                   | <u>Quarterly</u>                           |
| 3. Compliance with effluent limitations | <u>Permit Effective Date</u>               |
| 4. Compliance with Cap Loads            | <u>10/1/2023</u>                           |

*According to 40 CFR 122.47(a)(3), Interim dates. Except as provided in paragraph (b)(1)(ii) of this section, if a permit establishes a schedule of compliance which exceeds 1 year from the date of permit issuance, the schedule shall set forth interim requirements and the dates for their achievement.*

- (i) The time between interim dates shall not exceed 1 year, except that in the case of a schedule for compliance with standards for sewage sludge use and disposal, the time between interim dates shall not exceed six months.*

Approve	Deny	Signatures	Date
X		<i>Benjamin Lockwood</i> Benjamin R. Lockwood / Environmental Engineering Specialist	January 25, 2021
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria D. Bebenek, P.E. / Program Manager	

**Summary of Review**

- (ii) *If the time necessary for completion of any interim requirement (such as the construction of a control facility) is more than 1 year and is not readily divisible into stages for completion, the permit shall specify interim dates for the submission of reports of progress toward completion of the interim requirements and indicate a projected completion date.*

*Please revise the permit to include all required information in accordance with 40 CFR 122.47(a)(3) the interim milestones such as a construction start and completion date should be incorporated.”*

On October 27, 2020, DEP received a Water Quality Management (WQM) permit application from West Cocalico Township Authority for the associated wastewater treatment plant (WWTP) replacement project. The WQM application contained a Project Schedule for the WWTP upgrade. This schedule will be incorporated into the NPDES Permit compliance schedule as shown below.

Additionally, the WQM application documented the proposed use of ultraviolet (UV) disinfection at the new WWTP. Therefore, since chlorine disinfection is not proposed, the Total Residual Chlorine limit will be included as an interim limit, with an UV Transmittance monitoring requirement becoming effective upon final construction completion.

The draft NPDES permit was revised to reflect these changes, and will be re-drafted. No other changes were made to the draft NPDES permit.

Sludge use and disposal description and location(s): Hauled for off-site disposal

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 Schedule.** A compliance schedule is necessary for the construction of the WWTP. The following conditions will be incorporated into Part C of the NPDES permit:

The permittee shall achieve compliance with Cap Loads in accordance with the following schedule:

1.	Compliance with Effluent Limitations	<u>Permit Effective Date</u>
2.	Issue Notice to Proceed	<u>October 31, 2021</u>
3.	Progress Reports	<u>Quarterly</u>
4.	Final Completion of Construction	<u>November 30, 2022</u>
5.	Compliance with Cap Loads	<u>October 1, 2023</u>

B. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit to DEP a written notice of compliance or non-compliance with the specific schedule requirement. Each notice of non-compliance shall include the following information:

1. A short description of the non-compliance.
2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirement.
3. A description of any factors which tend to explain or mitigate the non-compliance.
4. An estimate of the date that compliance with the elapsed schedule requirement will be achieved and an assessment of the probability that the next scheduled requirement will be met on time.

**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 November 30, 2022.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.28	XXX	0.91	1/day	Grab
CBOD5	64	103	XXX	25	40	50	1/week	24-Hr Composite
BOD5 Raw Sewage Influent	Report	Report Daily Max	XXX	Report	XXX	XXX	1/week	24-Hr Composite
TSS	77	116	XXX	30	45	60	1/week	24-Hr Composite
TSS Raw Sewage Influent	Report	Report Daily Max	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/week	Grab
Ammonia Nov 1 - Apr 30	27	XXX	XXX	10.5	XXX	21	1/week	24-Hr Composite
Ammonia May 1 - Oct 31	9.0	XXX	XXX	3.5	XXX	7.0	1/week	24-Hr Composite
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Total Copper	XXX	XXX	XXX	Report	Report Daily Max	XXX	1/week	24-Hr Composite
Total Lead	XXX	XXX	XXX	Report	Report Daily Max	XXX	1/week	24-Hr Composite

Compliance Sampling Location: Outfall 001

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, to comply with Pennsylvania's Chesapeake Bay Tributary Strategy.

Outfall 001, Effective Period: Permit Effective Date through September 30, 2023.

Parameter	Effluent Limitations					Monitoring Requirements	
	Mass Units (lbs)		Concentrations (mg/L)			Minimum Measurement Frequency	Required Sample Type
	Monthly	Annual	Minimum	Monthly Average	Instant. Maximum		
Ammonia-N	Report	Report	XXX	Report	XXX	1/week	24-Hr Composite
Kjeldahl-N	Report	XXX	XXX	Report	XXX	1/week	24-Hr Composite
Nitrate-Nitrite as N	Report	XXX	XXX	Report	XXX	1/week	24-Hr Composite
Total Nitrogen	Report	Report	XXX	Report	XXX	1/month	Calculation
Total Phosphorus	Report	Report	XXX	Report	XXX	1/week	24-Hr Composite
Net Total Nitrogen	XXX	Report	XXX	XXX	XXX	1/year	Calculation
Net Total Phosphorus	XXX	Report	XXX	XXX	XXX	1/year	Calculation

Compliance Sampling Location: Outfall 001

Other Comments: None

**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: December 1, 2022 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	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/day	Grab
Ultraviolet light transmittance (%)	XXX	XXX	Report	XXX	XXX	XXX	1/day	Measured
CBOD5	64	103	XXX	25	40	50	1/week	24-Hr Composite
BOD5 Raw Sewage Influent	Report	Report Daily Max	XXX	Report	XXX	XXX	1/week	24-Hr Composite
TSS	77	116	XXX	30	45	60	1/week	24-Hr Composite
TSS Raw Sewage Influent	Report	Report Daily Max	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/week	Grab
Ammonia Nov 1 - Apr 30	27	XXX	XXX	10.5	XXX	21	1/week	24-Hr Composite
Ammonia May 1 - Oct 31	9.0	XXX	XXX	3.5	XXX	7.0	1/week	24-Hr Composite
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Total Copper	XXX	XXX	XXX	Report	Report Daily Max	XXX	1/week	24-Hr Composite
Total Lead	XXX	XXX	XXX	Report	Report Daily Max	XXX	1/week	24-Hr Composite

Compliance Sampling Location: Outfall 001

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, to comply with Pennsylvania's Chesapeake Bay Tributary Strategy.

Outfall 001, Effective Period: October 1, 2023 through Permit Expiration Date.

Parameter	Effluent Limitations					Monitoring Requirements	
	Mass Units (lbs)		Concentrations (mg/L)			Minimum Measurement Frequency	Required Sample Type
	Monthly	Annual	Minimum	Monthly Average	Instant. Maximum		
Ammonia-N	Report	Report	XXX	Report	XXX	1/week	24-Hr Composite
Kjeldahl-N	Report	XXX	XXX	Report	XXX	1/week	24-Hr Composite
Nitrate-Nitrite as N	Report	XXX	XXX	Report	XXX	1/week	24-Hr Composite
Total Nitrogen	Report	Report	XXX	Report	XXX	1/month	Calculation
Total Phosphorus	Report	Report	XXX	Report	XXX	1/week	24-Hr Composite
Net Total Nitrogen	XXX	7,306	XXX	XXX	XXX	1/year	Calculation
Net Total Phosphorus	XXX	974	XXX	XXX	XXX	1/year	Calculation

Compliance Sampling Location: Outfall 001

Other Comments: None