

Application Type Renewal
Facility Type Municipal
Major / Minor Minor

**NPDES PERMIT FACT SHEET
RE-DRAFT**

Application No. PA0021865
APS ID 74
Authorization ID 1031891

Applicant and Facility Information

Applicant Name	<u>Adamstown Borough</u>	Facility Name	<u>Adamstown STP</u>
Applicant Address	<u>3000 North Reading Road PO Box 546 Adamstown, PA 19501-0546</u>	Facility Address	<u>235 East Swartzfille Road Denver, PA 17517</u>
Applicant Contact	<u>Mike Palm</u>	Facility Contact	<u>Mike Palm</u>
Applicant Phone	<u>(717) 484-4234</u>	Facility Phone	<u>(717) 484-4234</u>
Client ID	<u>4786</u>	Site ID	<u>451873</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Adamstown Borough</u>
Connection Status	<u>No Limitations</u>	County	<u>Lancaster</u>
Date Application Received	<u>June 27, 2014</u>	EPA Waived?	<u>No</u>
Date Application Accepted	<u>July 21, 2014</u>	If No, Reason	<u>Pretreatment, Significant CB Discharge</u>
Purpose of Application	<u>NPDES Renewal.</u>		

Summary of Review

A draft NPDES permit was issued on September 5, 2019 and was published in the PA Bulletin on September 5, 2019. Comments were received from the Environmental Protection Agency (EPA) Region III on October 4, 2019. A copy of the comments is attached to this report. EPA offered the following comments:

1. Adamstown has a Federally approved pretreatment program, but Part C of the draft permit is missing the required pretreatment language. Please include the attached language in Part C of the draft permit.
2. 40 CFR 122.21(j)(5)(ii)(B), requires all POTWs with approved pretreatment programs to provide valid WET test data with NPDES permit applications. 40 CFR 122.21(j)(5)(iv) specifically requires that applicants required to perform WET testing must submit a minimum of four quarterly tests for a year from the year preceding the permit application, or four tests performed at least annually in the four and one half year period prior to the application. The fact sheet does not include a discussion of any WET testing completed by the permittee. If the permittee has not completed the required testing, the draft permit will need to be revised to include WET testing requirements. If the permittee has completed the required testing, please revise the fact sheet to evaluate RP for WET and include the appropriate WET testing language in Part C of the permit.

In response, the pretreatment language was omitted in the draft, and has been added to the NPDES permit. This is consistent with the existing NPDES permit. WET testing requirements were not included in the existing permit; therefore, no WET testing was performed during the permit cycle. A WET Testing Evaluation is included in this fact sheet re-draft. It was determined that chronic testing would be required. The appropriate Part C language for WET testing has been included in the NPDES Permit re-draft.

Approve	Deny	Signatures	Date
		Benjamin R. Lockwood / Environmental Engineering Specialist	November 8, 2019
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria D. Bebenek, P.E. / Program Manager	

Summary of Review

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.



Adamstown
Borough WWTP Cor

Whole Effluent Toxicity (WET)

Evaluation of Test Type, IWC and Dilution Series for Renewed Permit

Acute Partial Mix Factor (PMFa): **1.0**

Chronic Partial Mix Factor (PMFc): **1.0**

1. Determine IWC – Acute (IWCa):

$$(Q_d \times 1.547) / ((Q_{7-10} \times PMFa) + (Q_d \times 1.547))$$

$$[(0.6 \text{ MGD} \times 1.547) / ((1.11 \text{ cfs} \times 1.0) + (0.6 \text{ MGD} \times 1.547))] \times 100 = \mathbf{46\%}$$

Is IWCa < 1%? YES NO **(YES - Acute Tests Required OR NO - Chronic Tests Required)**

If the discharge is to the tidal portion of the Delaware River, indicate how the type of test was determined:

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Type of Test for Permit Renewal: Chronic

2a. Determine Target IWCa (If Acute Tests Required)

$$TIWCa = IWCa / 0.3 = \text{█} \%$$

2b. Determine Target IWCC (If Chronic Tests Required)

$$(Q_d \times 1.547) / (Q_{7-10} \times PMFc) + (Q_d \times 1.547)$$

$$[(0.6 \text{ MGD} \times 1.547) / ((1.11 \text{ cfs} \times 1.0) + (0.6 \text{ MGD} \times 1.547))] \times 100 = \mathbf{46\%}$$

3. Determine Dilution Series

(NOTE – check Attachment C of WET SOP for dilution series based on TIWCa or TIWCC, whichever applies).

Dilution Series = 100%, 73%, 46%, 23%, and 12%.

WET Limits

Has reasonable potential been determined? YES NO

Will WET limits be established in the permit? YES NO

If WET limits will be established, identify the species and the limit values for the permit (TU).

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If WET limits will not be established, but reasonable potential was determined, indicate the rationale for not establishing WET limits:

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