AQUA℠

An Essential Utilities Company

VIA E-FILING

January 23, 2026

Matthew L. Homsher, Secretary
Pennsylvania Public Utility Commission
400 North Street
Harrisburg, PA 17120

Re: Application of Aqua Pennsylvania, Inc. pursuant to Section 1102 of the Public Utility Code for Approval of its Acquisition of the Water System Assets of Ulster Municipal Authority
Docket No. A-2026-_____

Dear Secretary Homsher:

Enclosed please find Aqua Pennsylvania, Inc.'s ("Aqua") Application pursuant to Section 1102 of the Public Utility Code for Approval of its Acquisition of the Water System Assets of Ulster Municipal Authority situated within a portion of Ulster Township, Bradford County, Pennsylvania, and the right of Aqua to begin to offer, render, furnish and supply water service to the public in a portion of Ulster Township, Bradford County, Pennsylvania.

The Application includes **CONFIDENTIAL** information being filed under separate mailing with the Secretary's Bureau.

The $350.00 filing fee is being paid electronically. Please enter my appearance for Aqua in this matter. If you have any questions regarding this filing, please contact me at 610-645-1130, or by email at astahl@aquaamerica.com.

Sincerely,

Alexander R. Stahl
Regulatory Counsel

cc: Certificate of Service (w/encl.)

Enclosures

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

In re: Application of Aqua Pennsylvania, Inc. (hereinafter referred to as "Aqua", the "Company" or "Applicant") Pursuant to Section 1102 of the Public Utility Code, for approval of:	:	**Docket No. A-2026-**
(1) the acquisition by Aqua of the water system assets of Ulster Municipal Authority situated within a portion of Ulster Township, Bradford County, Pennsylvania; and	:	
(2) the right of Aqua to begin to offer, render, furnish and supply water service to the public in a portion of Ulster Township, Bradford County, Pennsylvania.	:	

To the Pennsylvania Public Utility Commission ("PUC" or the "Commission"):

I. BACKGROUND

1. The names and addresses of the Applicant are:

   Aqua Pennsylvania, Inc.
   762 W. Lancaster Ave.
   Bryn Mawr, PA 19010

2. The name, address and contact information for Applicant's counsel are:

   Alexander R. Stahl, Esq.
   (PA Attorney ID No. 317012)
   Aqua Pennsylvania, Inc.
   762 West Lancaster Ave.
   Bryn Mawr, PA 19010
   Tel: 610-645-1130
   Email: astahl@aquaamerica.com

3. Pursuant to Section 1102 of the Pennsylvania Public Utility Code, 66 Pa. C.S. § 1102,

Applicant hereby requests that the Commission: (1) approve Aqua's acquisition of the water system

assets ("Assets") of Ulster Municipal Authority ("UMA") in Ulster Township ("Ulster" or the "Township"), Bradford County, Pennsylvania (the "System"); (2) approve the right of Aqua to begin providing water service in Ulster Township in the areas outlined in the map attached hereto as **Exhibit A**,[1] (the "Requested Territory"); (3) issue certificates of public convenience evidencing the same; and (4) provide expedited review of the Application (see Application Section XI).

4. The map of the Requested Territory includes a north arrow depicting map orientation, a graphic scale, the municipal boundaries of the Township and identification and depiction of all private and public roads relative to the Requested Territory. The Requested Territory is approximately 0.95 square miles (607.15 acres).

5. Aqua and Seller have reached an agreement regarding the acquisition of the Assets of Seller, as evidenced by the Asset Purchase Agreement, amended by the First Amendment to Assets Purchase Agreement, attached hereto as **Exhibit B** ("Agreement"). Aqua respectfully requests that the Commission issue an *Order* and *Certificates of Public Convenience* approving the items requested in this Application.

6. An **Application Exhibit List** identifying exhibits referenced in the Application is included with this Application.

II. TRANSACTING ENTITIES

7. Aqua is a regulated public utility company, duly organized and existing under the laws of the Commonwealth of Pennsylvania. Aqua furnishes water service to approximately 459,000 customers in Pennsylvania, as reflected in documents already on file with the Commission. Aqua's existing service territory covers various Counties throughout Pennsylvania, including parts of Bradford County, Pennsylvania.

[1] Exhibit A is being filed in Public and Confidential Versions

8. The UMA is a duly organized and validly existing municipal authority organized and existing under the Municipal Authorities Act of 1945. Seller owns and maintains a water system that furnishes wastewater service to approximately 184 customers in a portion of Ulster, Bradford County, Pennsylvania.

9. Applicant incorporates into this Application other information on file with the Commission that establishes the fact that Aqua is qualified to provide adequate public water service. Aqua will supplement this Application with all additional information the Commission may require. Financial Statements of Aqua for 2024 are attached hereto as **Exhibit C**.

III. PLANT ASSETS AND CUSTOMERS

10. Aqua will acquire all of the assets, properties and rights of the System that Seller holds and uses for water service in Ulster as defined in the Agreement, i.e., the Assets. All of the Assets are located within Ulster.

11. The Assets include two 100 gallon per minute ("gpm") wells, one 75,000 gallon elevated storage reservoir, one filter and treatment plant, approximately 3.4 miles of water mains, 16 hydrants, and approximately 180 service lines. The water main materials include polyvinyl chloride ("PVC") and transite pipe. The majority of the water mains are estimated to be approximately 45-50 years old.

12. Tentative journal entries to record the transaction are presented in Section IV.

13. The System provides wastewater service to approximately 180 customers, which includes 156 residential and 14 commercial, and 9 public customers, in Ulster. Customers are billed on a fixed and volumetric basis as described in Section V.

14. Wastewater service is provided in the Requested Territory by private septic.

15. The water distribution facilities being acquired are adequate to meet current customer needs. UMA estimates that it will add one (1) connection per year over the next five years.

IV. ASSETS PURCHASE AGREEMENT

16. The Assets Purchase Agreement is dated November 21, 2025, and the First Amendment to Assets Purchase Agreement is dated January 23, 2026 ("Agreement"). The purchase price is Four Hundred Fifty Thousand Dollars ($450,000.00). The purchase price is based on arm's length negotiations. Aqua and Seller are not affiliated with each other. Aqua will use cash on hand or established lines of credit arrangements to pay the purchase price for the Assets.

17. The Assets to be transferred are, as presented in Section III above, all of the assets, properties and rights of the System used for water service in this portion of Ulster. The Assets include land, buildings, wells, pipes, pipelines, service lines, treatment facilities, pumps, pumping stations, reservoirs, storage tanks, structures, filter plants, valves, meters, improvements, fixtures, rights-of-way, rights, uses, permits, licenses and easements owned by Seller and relating to the Assets, or in which Seller has an interest, and all hereditaments, tenements and appurtenances belonging, appertaining or relating to the Assets.

18. Aqua will acquire the Assets free and clear of all mortgages, liens, pledges, security interests, charges, claims, restrictions and encumbrances of any nature, and will acquire the Permits held by UMA described in Schedule 1.1 of the Agreement.

19. Aqua will assume liabilities of the Seller as set forth in Section 1.6 of the Agreement.

20. "Excluded Assets", which are those assets not being transferred to Aqua, has the meaning specified in Section 1.3 of the Agreement. Excluded Assets include customer service lines, Seller's cash on hand and accounts receivable up to the day before Closing, and all assets,

properties and rights used by the Seller other than those which primarily relate to the operation of the Assets.

21. The tentative journal entries to record the transfer in Aqua's accounts consist of the following:

	Debit	Credit
Utility Plant Purchased	$450,000	
Cash		$450,000

V. RATES

22. After Closing, Aqua will charge UMA's existing rates in effect at Closing, as reflected in Schedule 4.1(b). The UMA presently bills on a monthly basis. Aqua will to bill on a monthly basis after Closing. UMA's current rate resolution is attached hereto as **Exhibit D**. Also included in Exhibit D is the mandatory connection ordinance in Ulster. A schedule of rates tariff page implementing the monthly rates for the UMA customers post-Closing is attached hereto as **Exhibit E**.

23. As presented in Schedule 4.1(b) of the Agreement, the UMA bills as follows:

Water Base Charge:	$42.87 per month
Water Rate:	$19.60 per 1,000 gallons

Aqua will not be adopting any of UMA's miscellaneous fees and charges and will instead apply Aqua's fees and charges to UMA's customers post-Closing as set forth in Aqua's tariff.

24. Upon Commission approval of this Application and completion of the proposed transaction, Aqua will provide water service in its name to the customers in the Requested Territory. Aqua will implement its Tariff *Rules and Regulations* to govern the provision of water

service in the Requested Territory, as those *Rules and Regulations* are in effect from time to time for Aqua.

VI. COST OF SERVICE

25. Copies of UMA's Annual Financial Reports for 2023 and 2024 are attached hereto as **Exhibit F**.

26. Copies of UMA's adopted budget for 2025 and 2026 are attached hereto as **Exhibit G**.

27. Aqua projects annual revenue of approximately $190,000 from UMA customers based on UMA's current rates.

28. Aqua projects annual expenses of $147,000 in operating the system, based on UMA's operating expenses as adjusted by the Company.

29. There is a Pennsylvania Infrastructure Investment Authority ("PENNVEST") grants/loans on the water plant being acquired; however, that PENNVEST loan will be satisfied upon Closing and Aqua will not be adopting the PENNVEST loan. The water plant being acquired is not used as collateral to secure any other outstanding debt obligations of UMA.

VII. PROOF OF COMPLIANCE

30. Aqua will operate and manage the water system as part from its Central Division Office in Sayre, PA, with operations and management support from Aqua's Southeast Division office in Bryn Mawr, PA. The System will be operated as a stand alone water system as part of Aqua's Greater Pennsylvania operating region. Mr. Travis Long[2] will be the assigned Certified Water Operator for the System. Mr. Long's currently effective Pennsylvania Department of Environmental Protection ("DEP") Water Operator's License is attached hereto as **Exhibit H**.

[2] Aqua will be using JHA Engineering to operate the system.

31. The Public Water Supply ("PWS") Permits for the System are attached as **Exhibit I**. The National Pollution Discharge Elimination System ("NPDES") Permit for the System is attached as **Exhibit J**.[3]

32. Notices of Violation ("NOV") issued to UMA are attached hereto as **Exhibit K**. In each violation compliance was achieved.

33. Consumer Confidence Reports ("CCRs") for UMA for the past five years are attached hereto as **Exhibit L**.

34. Aqua is a Class A utility. It is in good standing with DEP and in general compliance with the DEP regarding the provision of water service.

35. The UMA System contains two wells each with 100 gpm capacity; however, the DEP PWS permits limit the pumping capacity of these wells to 100 gpm for an individual well, and 100 gpm combined for both wells if they are running simultaneously.

36. Water gallons billed for customers within UMA's service area was approximately 6,891,030 gallons for 2025. The most recent DEP Chapter 110 report is attached here as **Exhibit M**.

37. There are 16 hydrants in the UMA system. The 16 hydrants will be public hydrants after closing. UMA does not bill Ulster for the hydrants; however after closing Ulster is aware that they will be billed for these public hydrants.[4] A copy of the notice sent to Ulster is attached as **Exhibit N**.

38. The UMA projects growth of 5 customers (one per year) over the next five years within the Requested Territory.

[3] The UMA NPDES permit expired on January 31, 2025. Included in Exhibit N is UMA's application for renewal of its NPDES permit that is currently pending with DEP.
[4] See Exhibit B, Agreement Section 4.1(g).

39. All customers in the Requested Territory are metered. One customer the Ulster-Sheshequin Fire Association has a meter that is not billed. Aqua plans to install a meter after closing and bill the customer as set forth in Section 4.1(g) of the Agreement. A copy of the notice sent to Ulster-Sheshequin Fire Association is included in Exhibit N.

40. The web address for the Bradford County Comprehensive Plan is: https://www.bradfordcountypa.gov/299/Community-Planning-Mapping. Ulster Township's Comprehensive Plan is attached as **Exhibit O**. Aqua is not requesting service territory beyond the existing plant footprint.

41. Aqua is not anticipating any physical, operational or managerial changes to Aqua after closing.

VIII. AFFECTED PERSONS

42. No corporation or entity has corporate or franchise rights to furnish water service in the Requested Territory, and no competitive condition will be created by approval of this Application. Water and wastewater service providers abutting or within one mile of the Requested Territory are as follows:

a. Ulster, water service is provided by UMA and private wells. Wastewater service is provided by private septic systems.

b. Within neighboring Sheshequin Township, water service is provided by private wells. Wastewater service is provided by private septic systems.

IX. REASONS SUPPORTING THE INSTANT APPLICATION

43. Approval of this Application is necessary or proper for the following reasons:

a. Aqua has the technical, regulatory, financial and legal fitness to operate the Assets of the Seller used to provide public water service in Ulster and to maintain the

operations and make improvements to meet continuing and future customer needs. The proposed transaction will not have an adverse effect on the service provided to existing customers of Aqua;

b. Seller has agreed to sell its Assets used to provide public water service in Ulster. The public interest and need will be served by allowing Aqua to provide water service in the Requested Territory and to address the issues of regulatory requirements and capital expenditures. The UMA system will benefit from the support of water professionals throughout Aqua's organization;

c. The acquisition is consistent with the Commission's long-standing policy supporting the consolidation/regionalization of water/wastewater systems. Through consolidation/regionalization, the utility industry has a better chance to realize the benefits of better management practices, economies of scale, and the resulting greater environmental/economic benefits. The Commission has previously stated that "acquisitions of smaller systems by larger more viable systems will likely improve the overall long-term viability of the water and wastewater industry."[5] The benefits of consolidation/regionalization, ultimately, inure to customers both existing and acquired;

d. Aqua provides utility service to approximately 459,000 water customers and has years of experience operating water treatment and distribution systems in a safe, reliable and efficient manner. Aqua has the managerial, technical, and financial resources to improve the operations of the UMA;

[5] Pennsylvania Public Utility Commission, Final Policy Statement on Acquisitions of Water and Wastewater Systems, Docket No. M-00051926, Final Order at 18 (Aug. 17, 2006).

e. In *McCloskey v. Pa. P.U.C.*, 195 A.3d 1055 (Pa. Cmwlth. 2018), *petition for allowance of appeal denied* No. 703 MAL 2018 (April 23, 2019), the Commonwealth Court held that Commission findings: (i) that Aqua, as the owner of numerous water and wastewater systems has sufficient operational expertise and ability to raise capital to support system operations; and (ii) that the Commission has a policy of consolidation/regionalization of wastewater system assets that allows for increased maintenance, upgrade and expansion of public sewer and water facilities, are substantial evidence, consistent with *Popowsky v. Pa. P.U.C.*, 937 A.2d 1040 (Pa. 2007), to support a conclusion that there is a public benefit to a transaction such as the one that is the subject of this proceeding;

f. The acquisition of the System will increase Aqua's customer base by approximately 0.04%. With a larger customer base, future infrastructure investments, Statewide, will be shared at a lower incremental cost per customer for all Aqua customers;

g. The System will receive support from Aqua's overall organization which includes:

(1) Environmental Compliance Audits conducted by staff that do not report to the operation management group,

(2) Safety teams that conduct "housekeeping" and safety audits that seek to find and eliminate potential dangers,

(3) A "Near-Miss" program that allows any employee to report an observed safety concern and a process that ensures the issue is resolved timely,

(4) A full-time PA One-Call management (Damage Prevention) that ensures the requirements of Act 50 of 2017 are met, and that staff receive regular training,

(5) Mapping updates by an in-house Geographic Information System team,

(6) Water process experts that will review the processes for targeted parameters and if needed, assist in resolving any process upset situations,

(7) Emergency response support in the form of "national contracted vendors", fleet operations, and access to the 600+ Aqua employees who can deploy to the location in support of Central PA operations, all orchestrated through Aqua's Emergency Response and Communications process;

h. The UMA customers will have access to Aqua's assistance programs that are designed to address affordability in a number of ways, including discounted water services; a leak repair program for minor household leaks that lead to high water bills; conservation kits to reduce water usage charges; and a hardship fund for customers who need assistance with arrears. The most comprehensive of these programs is Aqua's Customer Assistance Program, which provides monthly discounts based on income eligibility, along with credits towards pre-program arrearages to reduce those balances over time;

i. The UMA customers will also benefit from improved customer service. Through this transaction customers will have expanded customer service hours and access to Aqua's customer ePortal and Aqua App for mobile devices that provide customers with access to improved customer tools for account maintenance, notifications, viewing meter reads and trending consumption, as well as viewing and paying bills from anywhere in the world. UMA customers will also benefit

from dedicated customer service staff. In addition to payment through Aqua App, Aqua customers also have the benefit of expanded bill payment options including auto-payment and pay by text. For customers using an ACH payment method, all of these options are free. In addition to offering bill payment, Aqua's ePortal also provides electronic billing and the ability to view prior bills; and

j. Expansion of Aqua's service territory, upon completion of the proposed transaction, will further the benefits of regionalization and economies of scale.

X. APPROVAL OF CONTRACTS BETWEEN AQUA AND UMA

44. Aqua requests the Commission approve and issue Certificates of Filing, to the extent necessary for the Agreement between Aqua and UMA, included in this Application as Exhibit B.

XI. REQUEST FOR EXPEDITED REVIEW

45. Aqua requests the Commission expedite the review of this Application to allow Aqua to assume the operations of UMA and provide quality and reliable service to UMA customers if the Commission deems it in the public interest. Aqua requests expedited review for the following reasons:

a. The UMA system does not have adequate personnel to operate the System. UMA currently employs two individuals who work part time on addressing system needs, supplemented by a third party operator. There are no employees solely dedicated to customer service issues, or customer service hours. Customer service calls reach an answering machine, and UMA follows up with customers.

b. The System has had positive test results for per- and poly-fluoroalkyl ("PFAS") substances. The PFAS test results show they near the DEP maximum contaminant limit and treatment may be required.

c. The UMA System has had recent instances where a main break has left portions of the System with no water.

XII. CONCLUSION

WHEREFORE, Aqua Pennsylvania, Inc. requests that the Pennsylvania Public Utility Commission approve this Application by entering an *Order*:

a. Issuing *Certificates of Public Convenience* under Section 1102 of the Pennsylvania Public Utility Code:

(1) Authorizing Aqua to acquire, by purchase, the water system assets of Ulster Municipal Authority, Bradford County, Pennsylvania;

(2) Authorizing Aqua to begin to offer, render, furnish and supply water service to the public in the Requested Territory covered by this Application.

b. Authorizing Aqua to file tariff revisions, effective upon one day's notice, to:

(1) Include within its territory all the Requested Territory covered by this Application;

(2) Adopt and apply UMA's rates as set forth in this Application as Aqua's Base Rates within the Requested Territory; and

(3) Apply Aqua's *Rules and Regulations* within the Requested Territory.

c. Approving the Agreement between Aqua and UMA.

d. Issuing such other approvals, certificates, registrations and relief, if any, under the Public Utility Code that may be required with respect to Aqua's acquisition of the Assets.

Respectfully submitted,

AQUA PENNSYLVANIA, INC.

By_____

Alexander R. Stahl
PA Attorney ID No. 317012
Aqua Pennsylvania, Inc.
762 W. Lancaster Ave.
Bryn Mawr, PA 19010
Tel. No. 610-645-1130
astahl@aquaamerica.com
Counsel for Aqua Pennsylvania, Inc.

Dated: January 23, 2026

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LIST OF EXHIBITS

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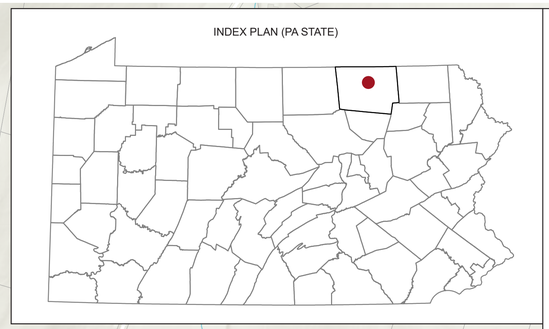
Description	**Exhibit**
Map of the Requested Territory	A
Asset Purchase Agreement	B
Aqua 2024 Financial Statements	C
UMA Current Rate Resolution	D
Aqua Pro Forma Tariff Supplement	E
UMA Annual Financial Reports 2023 and 2024	F
UMA Adopted Budgets	G
Buyer Operators License	H
Public Water Supply Permits	I
NPDES Permit	J
Notices of Violation	K
UMA CCRs	L
UMA Chapter 110 Report	M
Free Service Notice	N
Ulster Comprehensive Plan	O

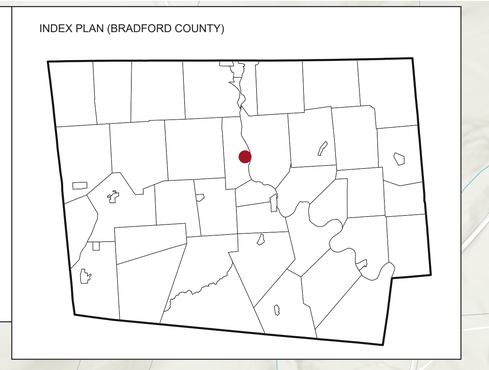
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Exhibit A (PUBLIC VERSION)

Map of the Requested Territory

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P.A. PLANE COORDINATE SYSTEM (NORTH) NAD 83

Aqua Pennsylvania, Inc. Requested Territory

Ulster Twp.

Sheshequin Twp.

Susquehanna River

Beginning Point (1)

SERVICE AREA DESCRIPTION

Segment	Bearing	Distance (ft)	Segment	Bearing	Distance (ft)
1	S 14°23'09" E	60.02	62	S 84°50'43" W	93.85
2	S 05°01'06" E	35.98	63	S 78°58'34" W	93.84
3	S 01°03'22" E	49.36	64	S 74°33'22" W	46.95
4	S 02°45'04" E	46.90	65	S 69°23'20" W	131.42
5	N 80°32'17" W	367.84	66	S 70°23'56" W	25.91
6	S 67°08'10" W	201.98	67	S 77°49'11" W	51.76
7	S 24°50'41" W	236.39	68	S 87°42'49" W	51.76
8	S 13°58'00" W	95.62	69	N 82°23'51" W	51.75
9	S 18°37'28" W	95.62	70	N 70°09'53" W	80.14
10	S 22°22'41" W	170.27	71	N 50°48'42" W	57.27
11	S 78°33'02" E	784.71	72	N 35°16'35" W	43.31
12	S 06°28'22" E	335.30	73	N 21°54'34" W	43.31
13	N 48°17'11" W	420.52	74	N 08°32'53" W	43.31
14	N 78°04'15" W	546.81	75	N 01°53'05" W	236.43
15	S 27°08'12" W	412.03	76	N 04°04'18" W	403.67
16	S 31°20'38" W	279.92	77	N 04°40'17" W	410.83
17	S 32°03'50" W	465.84	78	N 05°05'04" W	202.78
18	S 30°21'15" W	143.05	79	N 13°51'11" W	105.29
19	S 25°41'05" W	214.53	80	N 25°41'41" W	105.27
20	S 20°06'11" W	243.08	81	N 33°11'31" W	151.02
21	S 20°15'55" W	1683.30	82	N 36°03'32" W	88.32
22	S 22°45'46" W	658.34	83	N 43°21'28" W	181.66
23	S 87°11'39" W	4601.63	84	N 33°28'47" W	82.58
24	N 16°39'53" E	2178.43	85	N 23°48'31" W	249.84
25	N 17°13'34" E	459.19	86	S 71°19'43" E	43.80
26	N 76°31'47" E	414.44	87	S 71°18'55" E	1091.73
27	N 78°54'20" E	98.72	88	N 18°41'22" E	168.59
28	N 75°29'12" E	215.42	89	S 71°19'06" E	181.83
29	N 78°30'03" E	210.17	90	S 18°41'05" W	37.73
30	N 72°23'03" E	99.31	91	S 71°52'11" E	176.81
31	N 63°32'29" E	66.26	92	N 17°11'43" E	1282.97
32	N 50°31'01" E	60.53	93	N 83°17'00" E	172.74
33	N 29°02'40" E	60.50	94	N 03°11'28" E	232.66
34	N 16°17'46" E	265.14	95	N 83°17'00" E	221.07
35	N 21°55'31" E	207.70	96	N 09°35'02" W	427.57
36	N 27°51'32" E	178.82	97	N 83°12'20" E	515.89
37	N 21°25'43" E	161.64	98	N 74°12'50" E	49.85
38	N 23°58'26" E	106.79	99	S 15°47'22" E	62.27
39	N 33°23'02" E	106.79	100	S 13°53'08" E	74.45
40	N 36°30'46" E	121.19	101	S 10°57'55" E	148.82
41	N 29°36'51" E	108.45	102	S 07°06'22" E	148.84
42	N 20°35'45" E	252.54	103	S 03°28'20" E	138.42
43	N 24°13'21" E	169.91	104	S 00°20'19" E	186.10
44	N 18°43'46" E	263.48	105	S 03°34'07" W	716.29
45	S 81°13'23" E	191.75	106	S 03°47'44" W	316.28
46	S 73°59'54" E	475.49	107	S 03°45'20" W	330.38
47	S 73°59'38" E	155.51	108	S 03°45'20" W	364.89
48	S 76°49'39" E	684.62	109	S 03°56'59" W	43.82
49	S 08°30'06" W	10.39	110	S 02°26'56" W	43.82
50	S 77°58'01" E	454.11	111	S 00°22'23" E	120.90
51	N 13°16'50" E	555.44	112	S 03°28'47" E	60.46
52	S 81°44'49" E	519.04	113	S 05°33'04" E	60.46
53	N 12°41'46" E	370.62	114	S 07°37'20" E	60.46
54	N 84°17'00" E	189.43	115	S 09°41'35" E	60.46
55	N 08°05'44" E	56.81	116	S 12°47'18" E	127.4
56	N 73°33'40" W	25.86	117	S 17°18'02" E	115.3
57	N 77°28'54" W	235.75	118	S 20°45'59" E	57.66
58	N 75°40'30" W	475.22	119	S 27°23'31" E	750.04
59	N 78°14'12" W	56.70	120	S 75°33'27" E	701.39
60	N 85°18'04" W	56.70	121	S 10°31'21" E	176.06
61	S 88°06'36" W	266.87	122	S 40°51'08" E	61.91

LEGEND

Requested Territory

SCALE IN FEET

0 200 400 800

SERVICE AREA TERRITORY

SERVICE AREA
26,447,294 square ft.
607.146 acres
0.949 square miles

(1) Beginning Point: PASPC Coordinates (NAD 83 ft): North: 615,370.75', East: 2,309,840.22'; at a point where the southern R.O.W. of Bridge Street intersects the western edge of the Susquehanna River in UlsterTownship, Bradford County, Pennsylvania and proceeding according to the listed bearings and distances noted in the table on this plan.

AQUA

NOTES

Bearings, distances, and area shown hereon are derived from spatial data including the Bradford County parcel shapefile, municipal boundaries, and physical features obtained from http://www.pasda.psu.edu/, in combination with customer data provided by the Ulster Municipal Water Authority. The resultant bearings, distances and area do not result from a physical survey on the ground and are approximate and not intended to represent a legal description of property.

REV.	DATE	DESCRIPTION
6.		
5.		
4.		
3.		
2.		
1.		

EXHIBIT A
Proposed Service Territory
Aqua Pennsylvania, Inc.
Ulster Township, Bradford County, Pennsylvania

DATE: 1/22/26 | SCALE: 1" = 400 ft. | SHEET 1

****

Exhibit B

Asset Purchase Agreement

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FIRST AMENDMENT TO

ASSETS PURCHASE AGREEMENT

THIS FIRST AMENDMENT TO ASSETS PURCHASE AGREEMENT, dated January 23, 2026 ("Effective Date"), by and between **Ulster Municipal Authority,** a Pennsylvania municipal authority, having a mailing address of PO Box 157 60 Union Lane, Ulster, Pennsylvania 18850 (hereinafter referred to as "**Seller**"), and **Aqua Pennsylvania, Inc.**, a Pennsylvania corporation, with a business address of 762 W. Lancaster Avenue, Bryn Mawr, PA 19010 (hereinafter referred to as "**Aqua**" or "**Buyer**") (Buyer and Seller hereinafter individually a "Party" and collectively the "Parties").

RECITALS

A. Buyer and Seller entered into an Assets Purchase Agreement dated November 21, 2025 ("Agreement"); and

B. Buyer and Seller included a placeholder in "Schedule 1 Requested Service Territory" of the Agreement ("Placeholder Schedule 1) until such time as the Requested Service Territory Map was developed; and

C. Buyer and Seller desire to amend the Agreement by replacing the Placeholder Schedule 1 with the developed Requested Service Territory Map attached hereto as "Schedule 1 Update Requested Service Territory" map.

NOW, THEREFORE, in consideration of the recitals and the covenants, representations, warranties and agreements herein contained, and intending to be legally bound hereby, the parties hereto agree as follows:

1. The "Placeholder Schedule 1" is hereby deleted in its entirety and shall be replaced with "Schedule 1 Update Requested Service Territory" attached hereto as Schedule 1.

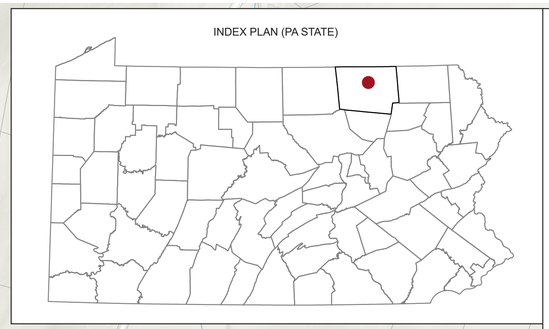
2. All other covenants, representations, warranties and agreements contained in the Agreement are hereby affirmed.

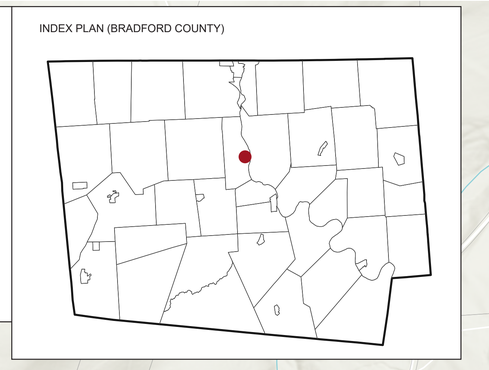
IN WITNESS WHEREOF, intending to be legally bound, the Parties hereto have duly executed this First Amendment to Assets Purchase Agreement on the date first written.

SELLER: ULSTER MUNICIPAL AUTHORITY	**BUYER: AQUA PENNSYLVANIA, INC.**
By: _____	By: _____
Name: Franklin D. Walker	Name: Marc A. Lucca
Its: Chairman	Its: President

Schedule 1 Update
Requested Service Territory

See attached map.





P.A. PLANE COORDINATE SYSTEM (NORTH) NAD 83

Aqua Pennsylvania, Inc. Requested Territory

Ulster Twp.

Sheshequin Twp.

Susquehanna River

Beginning Point (1)

SERVICE AREA DESCRIPTION

Segment	Bearing	Distance (ft)	Segment	Bearing	Distance (ft)
1	S 14°23'09" E	60.02	62	S 84°50'43" W	93.85
2	S 05°01'06" E	35.98	63	S 78°58'34" W	93.84
3	S 01°03'22" E	49.36	64	S 74°33'22" W	46.95
4	S 02°45'04" E	46.90	65	S 69°23'20" W	131.42
5	N 80°32'17" W	367.84	66	S 70°23'56" W	25.91
6	S 67°08'10" W	201.98	67	S 77°49'11" W	51.76
7	S 24°50'41" W	236.39	68	S 87°42'49" W	51.76
8	S 13°58'00" W	95.62	69	N 82°23'51" W	51.75
9	S 18°37'28" W	95.62	70	N 70°09'53" W	80.14
10	S 22°22'41" W	170.27	71	N 50°48'42" W	57.27
11	S 78°33'02" E	784.71	72	N 35°16'35" W	43.31
12	S 06°28'22" E	335.30	73	N 21°54'34" W	43.31
13	N 48°17'11" W	420.52	74	N 08°32'53" W	43.31
14	N 78°04'15" W	546.81	75	N 01°53'05" W	236.43
15	S 27°08'12" W	412.03	76	N 04°04'18" W	403.67
16	S 31°20'38" W	279.92	77	N 04°40'17" W	410.83
17	S 32°03'50" W	465.84	78	N 05°05'04" W	202.78
18	S 30°21'15" W	143.05	79	N 13°51'11" W	105.29
19	S 25°41'05" W	214.53	80	N 25°41'41" W	105.27
20	S 20°06'11" W	243.08	81	N 33°11'31" W	151.02
21	S 20°15'55" W	1683.30	82	N 36°03'32" W	88.32
22	S 22°45'46" W	658.34	83	N 43°21'28" W	181.66
23	S 87°11'39" W	4601.63	84	N 33°28'47" W	82.58
24	N 16°39'53" E	2178.43	85	N 23°48'31" W	249.84
25	N 17°13'34" E	459.19	86	S 71°19'43" E	43.80
26	N 76°31'47" E	414.44	87	S 71°18'55" E	1091.73
27	N 78°54'20" E	98.72	88	N 18°41'22" E	168.59
28	N 75°29'12" E	215.42	89	S 71°19'06" E	181.83
29	N 78°30'03" E	210.17	90	S 18°41'05" W	37.73
30	N 72°23'03" E	99.31	91	S 71°52'11" E	176.81
31	N 63°32'29" E	66.26	92	N 17°11'43" E	1282.97
32	N 50°31'01" E	60.53	93	N 83°17'00" E	172.74
33	N 29°02'40" E	60.50	94	N 03°11'28" E	232.66
34	N 16°17'46" E	265.14	95	N 83°17'00" E	221.07
35	N 21°55'31" E	207.70	96	N 09°35'02" W	427.57
36	N 27°51'32" E	178.82	97	N 83°12'20" E	515.89
37	N 21°25'43" E	161.64	98	N 74°12'50" E	49.85
38	N 23°58'26" E	106.79	99	S 15°47'22" E	62.27
39	N 33°23'02" E	106.79	100	S 13°53'08" E	74.45
40	N 36°30'46" E	121.19	101	S 10°57'55" E	148.82
41	N 29°36'51" E	108.45	102	S 07°06'22" E	148.84
42	N 20°35'45" E	252.54	103	S 03°28'20" E	138.42
43	N 24°13'21" E	169.91	104	S 00°20'19" E	186.10
44	N 18°43'46" E	263.48	105	S 03°34'07" W	716.29
45	S 81°13'23" E	191.75	106	S 03°47'44" W	316.28
46	S 73°59'54" E	475.49	107	S 03°45'20" W	330.38
47	S 73°59'38" E	155.51	108	S 03°45'20" W	364.89
48	S 76°49'39" E	684.62	109	S 03°56'59" W	43.82
49	S 08°30'06" W	10.39	110	S 02°26'56" W	43.82
50	S 77°58'01" E	454.11	111	S 00°22'23" E	120.90
51	N 13°16'50" E	555.44	112	S 03°28'47" E	60.46
52	S 81°44'49" E	519.04	113	S 05°33'04" E	60.46
53	N 12°41'46" E	370.62	114	S 07°37'20" E	60.46
54	N 84°17'00" E	189.43	115	S 09°41'35" E	60.46
55	N 08°05'44" E	56.81	116	S 12°47'18" E	127.4
56	N 73°33'40" W	25.86	117	S 17°18'02" E	115.3
57	N 77°28'54" W	235.75	118	S 20°45'59" E	57.66
58	N 75°40'30" W	475.22	119	S 27°23'31" E	750.04
59	N 78°14'12" W	56.70	120	S 75°33'27" E	701.39
60	N 85°18'04" W	56.70	121	S 10°31'21" E	176.06
61	S 88°06'36" W	266.87	122	S 40°51'08" E	61.91

LEGEND

Requested Territory

SCALE IN FEET

0 200 400 800

SERVICE AREA TERRITORY

SERVICE AREA
26,447,294 square ft.
607.146 acres
0.949 square miles

(1) Beginning Point: PASPC Coordinates (NAD 83 ft): North: 615,370.75', East: 2,309,840.22'; at a point where the southern R.O.W. of Bridge Street intersects the western edge of the Susquehanna River in UlsterTownship, Bradford County, Pennsylvania and proceeding according to the listed bearings and distances noted in the table on this plan.

AQUA

NOTES

Bearings, distances, and area shown hereon are derived from spatial data including the Bradford County parcel shapefile, municipal boundaries, and physical features obtained from http://www.pasda.psu.edu/, in combination with customer data provided by the Ulster Municipal Water Authority. The resultant bearings, distances and area do not result from a physical survey on the ground and are approximate and not intended to represent a legal description of property.

REV.	DATE	DESCRIPTION
6.		
5.		
4.		
3.		
2.		
1.		

EXHIBIT A
Proposed Service Territory
Aqua Pennsylvania, Inc.
Ulster Township, Bradford County, Pennsylvania

DATE: 1/22/26 | SCALE: 1" = 400 ft. | SHEET 1

ASSETS PURCHASE AGREEMENT

Between

ULSTER MUNICIPAL AUTHORITY

And

AQUA PENNSYLVANIA, INC.

November _21___, 2025

ASSETS PURCHASE AGREEMENT

THIS ASSETS PURCHASE AGREEMENT, dated November **21**, 2025 ("Effective Date"), by and between **Ulster Municipal Authority,** a Pennsylvania municipal authority, having a mailing address of PO Box 157 60 Union Lane, Ulster, Pennsylvania 18850 (hereinafter referred to as "**Seller**"), and **Aqua Pennsylvania, Inc.**, a Pennsylvania corporation, with a business address of 762 W. Lancaster Avenue, Bryn Mawr, PA 19010 (hereinafter referred to as "**Aqua**" or **"Buyer"**) (Buyer and Seller hereinafter individually a "Party" and collectively the "Parties").

R E C I T A L S

A. Seller owns, maintains and operates a water production, treatment and distribution system (the "**System**") that provides potable water service to certain customers within Ulster Township, County of Bradford, Pennsylvania (the "**Requested Service Territory**").

B. Aqua is a regulated public utility that furnishes water service to the public in various counties throughout Pennsylvania, including Bradford County.

C. Seller desires to sell, and Aqua desires to purchase, certain assets, properties and rights of Seller owned and used in connection with Seller's System assets (hereinafter referred to as "**Assets**"), all upon the terms and conditions set forth herein.

NOW, THEREFORE, in consideration of the recitals and the covenants, representations, warranties and agreements herein contained, and intending to be legally bound hereby, the parties hereto agree as follows:

1. **SALE AND PURCHASE OF THE ASSETS**

Subject to the terms and conditions hereinafter set forth, Aqua shall purchase from Seller, and Seller shall sell, assign, transfer, grant, convey and deliver to Aqua at Closing (hereinafter defined), the Assets.

The Assets are herein defined to be all of the assets, properties and rights of Seller (whether tangible, real, personal or mixed), which are held and used in connection with the System located in the area depicted on **Schedule 1** and referred to herein as the "**Requested Service Territory**".

The Assets are to be sold free and clear of all mortgages, liens, pledges, security interest, charges, claims, restrictions and encumbrances of any nature whatsoever.

1.1 Assets Further Defined

The Assets shall, without limitation to the definition stated above, include the specific assets, properties and rights of Seller set forth on **Schedule 1.1**, and the following:

(a) all the land, buildings, wells, pipes, pipelines, Water Utility Service Lines (as defined in **Section 6.1(dd))**, treatment facilities, pumps, pumping stations, reservoirs, storage tanks, structures, filter plants, valves, meters, improvements, fixtures, rights-of-way, rights, uses, permits, licenses and easements owned by Seller and relating to the Assets, or in which Seller has an interest, and all hereditaments, tenements and appurtenances belonging, appertaining or relating to the Assets;

(b) all machinery, equipment, generators, tools, furniture, furnishings, leasehold improvements, goods, and other tangible personal property relating to the Assets owned by Seller or in which Seller has an interest;

(c) all supplies and inventories relating to the Assets;

(d) all rights of Seller under any permit, easement, license, plan, instrument, registration, permit, certificate, or other authorization or approval of any nature, or other document, commitment, arrangement, undertaking, practice or authorization, relating to the Assets;

(e) all rights and choses in action of Seller arising out of occurrences before or after the Closing relating to the Assets; and

(f) all information, files, records, data, plans, contracts and recorded knowledge, including customer and supplier lists and property records, related to the foregoing.

1.2 Customer Billing

Unless Buyer and Seller agree to a different procedure prior to Closing, Seller shall issue final bills for all customer accounts in accordance with its current billing practices before the Closing Date. Seller shall be solely responsible for the collection of payments and/or accounts receivable, including delinquent amounts due on these and any final bills to its customers. Buyer shall not be responsible for the payment of and/or collection for any amounts due to Seller from Seller's former customers. If Buyer and Seller agree to a different procedure prior to Closing, upon the next scheduled billing date after the Closing Date and as mutually agreed upon, Buyer shall issue the currently due billings with the billing receipts apportioned between Seller and Buyer on a prorated basis based on the number of days in the billing cycle where Seller shall be entitled to billings up to and including the day before the Closing Date, and Buyer shall be entitled to billings from the Closing Date forward. The billing for the next billing cycle and collection will be the sole responsibility of the Buyer. Following the issuance of Seller's final bill and Buyer's initial bill, Buyer shall thereafter issue bills for all customer accounts on the next scheduled billing date and all future billing dates and shall be solely responsible for the collection of payments and/or its accounts receivable. Buyer and Seller shall work in good faith to resolve uncollectible amounts for Seller's final bills and Buyer's initial bills.

1.3 Excluded Assets

The Assets shall not include any of the following:

(a) Any and all piping and fixtures internal to each individual customer's structure (whether residential, commercial, industrial or other types), other than water meters, if any, which are included in the Assets to the extent existing (the "**Customer Service Line**");

(b) Seller's cash on hand and account receivables up to the day before the Closing Date; and

(c) All assets, properties, and rights used by Seller other than those which primarily

relate to the operations of the Assets.

1.4 Consideration

The purchase price ("**Purchase Price**") for the Assets shall be **Four Hundred Fifty Thousand U.S. Dollars ($450,000.00)** to be paid by Aqua to Seller at Closing.

1.5 Contractual Rights and Obligations

Aqua shall not assume any rights or obligations of Seller under any contract, agreement, commitment, lease, certificate, or other instrument, whether oral, written, express or implied (collectively, "**Contracts**"). Seller represents that as of the Effective Date Seller is not a party to any Contracts pertaining to or necessary for the operation, maintenance or management of the Assets, with the exception of a copier contract, which shall not be assigned to or assumed by Aqua.

1.6 Non-Assumption of Liabilities

All liabilities and obligations of Seller shall remain the sole responsibility of Seller. Aqua shall not assume and shall not be liable for any liabilities or obligations of Seller of any nature whatsoever whether express or implied, fixed or contingent, known or unknown at the Closing Effective Time (as defined in **Section 2**), including without limitation, (i) liabilities or obligations under any employee benefit plan, practice or arrangement or pension, retirement or savings plan, (ii) any obligations or liabilities imposed on Seller related to the Assets under any Corrective Action Plan ("**CAP**") ordered by the *Commonwealth of Pennsylvania, Department of Environmental Protection* ("**DEP**"), or (iii) Consent Order and Agreement ("**COA**") by and between Seller and DEP. For any existing CAP or COA, Aqua shall negotiate an amended or new CAP or COA with DEP to replace such existing CAP or COA.

2. **CLOSING**

Subject to the provisions of **Article 4 and Article 5** below, closing hereunder ("**Closing**") shall take place by mail, electronically, or at the offices of Aqua located at 762 W. Lancaster Avenue, Bryn Mawr, Pennsylvania, or other mutually agreed upon location, commencing at 10:00 A.M. local time within sixty (60) days after the receipt of final regulatory approvals, including without limitation those described in **Article 5** below. The date of the Closing is referred to herein as the "**Closing Date**". The Closing will be effective at the specific time, Eastern time zone, upon Buyer's receipt of confirmation that the transferred funds have cleared the Buyer's account and the Buyer receives a federal reference number for the transfer (the "**Closing Effective Time**").

2.1 Items to be delivered at Closing

At the Closing and subject to the terms and conditions herein contained:

(a) Seller shall deliver to Aqua all title, assets, properties and rights to the Assets pursuant to documents prepared by Aqua, including, without limitation, the following:

(i) *Deeds* of special warranty for each fee parcel wherein any production, treatment or storage facilities are situated, properly executed and acknowledged and in acceptable form for recording in the Office of Recorder of Deeds for Bradford County;

(ii) A *Bill of Sale and Assignment,* and other instruments and documents of conveyance and transfer, all in form reasonably satisfactory to Aqua and its

Counsel, as shall be necessary and effective to transfer and assign to, and vest in Aqua good and marketable title to the Assets;

(iii) *Easements* (via an assignment or grant), in a form reasonably satisfactory to Aqua and its Counsel, for any easement Aqua requires to utilize, maintain, repair and replace any Assets or facilities located outside of any of Seller's fee parcels to be conveyed hereunder and/or publicly dedicated roadways, and to provide Aqua with access to and the use of the System;

(iv) The *Bring-Down Certificate* required under **Section 5.1(a)** below;

(v) The *Opinion Letter* of Seller's Counsel in accordance with **Section 5.1(c)** and **Schedule 5.1(c)**;

(vi) *Applications for Transfer* of DEP Permits pursuant to **Section 2.4**;

(vii) *Releases of liens* or *satisfaction pieces* for all mortgages and liens, including those pertaining to *PennVest* loans or grants, affecting the Assets or other proofs reasonably required by: (A) Aqua to establish clear title to the Assets, or (B) Aqua's title agent to remove such liens and mortgages as exceptions to Aqua's title insurance policy;

(viii) UCC-3 termination statement for any security interests in the Assets;

(ix) a complete and accurate list of the names and addresses and types (e.g., commercial or residential) of all customers of Seller, along with a current billing history for each customer for the prior twelve (12) month;

(x) keys to any and all buildings and gates;

(xi) *Seller's resolutions and secretary's certificates* required under **Section 6.1(h)** below;

(xii) An accounting of all of Seller's customers who (A) receive complimentary water service, or (B) paid for water service in advance, which accounting shall include the names and addresses of such customers and the amounts paid by all such customers and which Seller warrants is accurate as of the Closing Date; and

(xiii) Copies of, or the originals as appropriate, of all plans, as-built drawings, bids, quotations, proposals, instruments, certificates, permits and other instruments belonging to Seller that are part of or related to the Assets.

(xiv) Copies of the *resolutions* of the Township of Ulster Board of Supervisors wherein the *Mandatory Connection Ordinance* is enacted pursuant to **Section 5.1(p).**

Simultaneously with such delivery, Seller shall take all such steps as may be required to put Aqua in actual possession and operating control of the Assets, to include transfer of any existing permits at Closing, including, without limitation, all DEP Permits.

(b) Seller shall deliver to Aqua, the agreements, opinions, certificates and other documents and instruments referred to in **Articles 2, 3 and 5** hereof.

(c) Aqua and Seller agree that the customer billing information shall be provided to Aqua no less than sixty (60) days prior to Closing.

2.2 Transfer Taxes on Real Property

Any transfer taxes imposed on the conveyance or transfer of any real property pursuant to this Agreement shall be paid by fifty percent (50%) by Buyer and fifty percent (50%) by Seller.

2.3 Transfer of Utilities

Seller and Aqua will cooperate to transfer utility services for any of the Assets as of the Closing Date. In the event service cannot be transferred in the name of Aqua as of the Closing Date, the bills shall be pro-rated as of the Closing Date.

2.4 Transfer of Permits

Seller shall execute all relevant transfer applications and forms such that any permits associated with the Assets, including, without limitation, those listed on **Schedule 2.4**, shall transfer to Buyer. Such transfer forms will be prepared by Buyer in conjunction with Seller and executed by Buyer and Seller at Closing and subsequently filed by Buyer, at Seller's cost, with the appropriate regulatory agencies. This **Section 2.4** shall survive Closing.

2.5 Taxes and Corporate Clearance Certificate

Prior to Closing, Seller shall, if applicable, notify the Pennsylvania Department of Revenue ("**DOR**") and the Pennsylvania Department of Labor and Industry ("**DOL**") of the sale of the Assets. Within ten (10) days following Closing, Seller shall submit applications for tax clearance certificates from DOR and DOL and shall provide Aqua with clearance certificates from said Departments within ten (10) days of receipt of same. At Closing, Seller shall deliver to Aqua an estimate prepared by Seller's independent public accountant of all taxes, contributions, interest and penalties owed by Seller to the Commonwealth of Pennsylvania and its constituent agencies for business conducted and transactions concluded up to and through Closing, which estimate shall be certified to Aqua by the preparer as accurate to the best of the preparer's knowledge after due inquiry. Aqua shall withhold from the Purchase Price a sum equal to one and one half (1-1/2) times the preparer's estimate (the "**Tax Clearance Fund**"), which Aqua shall set aside in a separate account, to be released by Aqua to Seller upon Seller's delivery of the clearance certificates to Aqua. Aqua may close the Tax Clearance Fund and keep the withheld monies for its own in the event Seller does not deliver the clearance certificates within fifteen (15) months from the date of Closing. This **Section 2.5** shall survive Closing and shall not be merged with any Deed or other closing instrument.

2.6 Remedy

The Parties acknowledge that the Assets are unique and not otherwise available and agree that, in addition to any other available remedy, either party may invoke any equitable remedy to enforce performance hereunder, including, without limitation, the remedy of specific performance.

2.7 Further Assurances

Seller, from time to time after the Closing, at Aqua's request, and without compensation, will execute, acknowledge and deliver to Aqua such other instruments of sale, conveyance, assignment and transfer and will take such other actions and execute and deliver such other documents, certifications and further assurances as Aqua may reasonably require in order to vest in Aqua, and/or to place Aqua fully in possession of, all of the Assets. Each of the Parties hereto, without compensation, will cooperate with the other and execute and deliver to the other such other instruments and documents and take such other actions as may be reasonably requested from time to time by any other Party hereto as necessary to carry out, evidence and confirm the purposes of this Agreement.

3. **CONDUCT OF PARTIES PENDING CLOSING**

3.1 Seller agrees that, with respect to the Assets, pending the Closing and except as otherwise agreed to in writing by Aqua:

(a) The water business of Seller shall be conducted solely in the ordinary course consistent with past practice.

(b) Seller, at Seller's cost, shall continue to maintain and service the tangible Assets in good working order such that they will be in proper working order at Closing. Aqua shall have the right at any time within the last thirty (30) days prior to Closing, upon five (5) Business Days' written notice to Seller, to perform a physical inspection of the Assets to confirm that the condition of the Assets is at least as good as the condition that existed as of the Effective Date, normal wear and tear excepted.

(c) Seller will use its best efforts to maintain its relations and goodwill with its suppliers, customers and any others having business relations with it.

(d) Seller shall comply with all laws, ordinances, rules, regulations and orders applicable to it and to the conduct of its water service business.

(e) Seller will promptly advise Aqua in writing of all events between the Effective Date and Closing which could render any representation or warranty under the Agreement, if restated and republished as of Closing, untrue or incorrect in any material respect.

(f) Seller will advise Aqua in writing promptly after Seller receives knowledge of the threat or commencement of any dispute, claim, action, suit, proceeding, arbitration or investigation against or involving the Assets or the sale and transfer thereof to Aqua, or of the occurrence of any event (exclusive of general economic factors affecting business in general) of a nature that is or may be materially adverse to the business, operations, properties, assets, prospects or condition (financial or otherwise) of Seller.

(g) Seller will conduct its business in such a manner that at the Closing the representations and warranties of Seller contained in this Agreement shall be true as though such representations and warranties were made on and as of such date. Seller will use its best efforts to cause all of the conditions to this Agreement to be satisfied on or prior to the Closing Date.

(h) Seller will not take any action which would result in a material breach of any of the representations and warranties of Seller hereunder.

(i) Seller will provide Aqua with such financial and other reports of its business as Aqua may reasonably request.

(j) Seller will give to Aqua, its officers, employees, accountants, counsel and other representatives free and full access to and the right to inspect, during normal business hours, all of the premises, properties, assets, plans, maps, records, contracts and other documents relating to its business and operations, and shall permit them to consult with

the officers, employees, accountants, counsel and agents of Seller for the purpose of making such investigation of the business and operations of Seller as Aqua shall desire to make, provided that such investigation shall not unreasonably interfere with the water business or operations of Seller.

(k) Seller shall notify and consult with Aqua prior to the initiation, development or execution of any plans for changes or improvements to the System or the Assets.

(l) Within ten (10) business days of the Effective Date, Seller shall deliver to Buyer copies of (A) all deeds and easements in the name of Seller for each fee parcel wherein any production, treatment or storage facilities and pump stations are situated; (B) easements or rights of way in the name of Seller for Assets located outside of any fee parcels to be conveyed to Buyer or publicly dedicated roadways; (C) a written explanation of which real property assets (including location of same) pertain to each deed and easement; and (D) highway occupancy permits (if required, and if obtained) for all facilities located within the beds of publicly dedicated roadways.

4. COVENANTS AND ACKNOWLEDGMENTS

4.1 Affirmative Covenants

(a) Unless otherwise noted herein, Aqua and Seller shall be responsible for their respective legal fees and other expenses incurred in connection with this transaction.

(b) After Closing, Aqua will begin charging Seller's current Base Rates (as of the date of Closing Date) as Aqua's base rates within Seller's service area (such service area being consistent with **Schedule 1**); provided that Seller's Base Rates are not lower than the Seller's Base Rates as of the Effective Date of this Agreement. Seller's current Base Rates are set forth on **Schedule 4.1(b)**.

Aqua and Seller agree that Aqua may subsequently seek approval from the *Pennsylvania Public Utility Commission* ("**PUC**") to increase these Base Rates. Seller acknowledges and agrees that charges or pass-through costs permitted or imposed by the legislature of the Commonwealth of Pennsylvania, including, but not limited to, Distribution System Improvement Charges or State Tax Adjustment Surcharges, may be applied to the Base Rates and may be subject to increase.

(c) Except as set forth in the preceding **Section 4.1(b)**, immediately upon Closing Aqua will apply its rates, rules and regulations as set forth in Aqua's PUC approved tariff as amended from time to time ("Buyer Tariff"), to those existing and future customers within the Requested Service Territory.

(d) Subject to **Section 5.1(a)** and **Article 6** hereof, the Assets will be purchased in their "AS IS" condition as of the date of Closing.

(e) Pending the Closing, Seller shall respond to Buyer's requests for information, plans or documents, including, without limitations, information needed to respond to inquiries from the PUC and other intervening parties promptly. Seller acknowledges that a

failure to timely respond to such inquiries can lead to denial or rejection of the application for PUC approval.

(f) The provisions of this Agreement shall survive the Closing as defined in **Section 2** and shall not be merged with the Deed or any other instruments delivered at Closing.

(g) Subject to **Section 4.1(b)** above, Seller acknowledges that all complimentary or discounted water service, including water services provided to any residents, affiliates, associations, agencies, departments, organizations, offices or the like will cease upon Closing. All residents, associations, affiliates, agencies, departments, organizations, or offices receiving such complimentary or discounted water service are listed on **Schedule 4.1(g)**,

Promptly following the Effective Date Seller shall provide notice to the persons and entities listed on **Schedule 4.1(g)** that all complimentary or discounted water service shall cease upon Closing, with a copy of all such notices simultaneously delivered to Aqua.

(h) Buyer and Seller acknowledge and agree that there is no affiliation between Buyer and Seller and that all negotiations for the purchase and sale of the Assets were conducted at arm's length.

(i) Seller bills its water customers on a **monthly** basis. Following Closing Buyer shall issue water bills to all customers on a monthly basis.

(j) Buyer shall have no obligation to pay monies to or reimburse any party to a contract with Seller for any pre-paid tapping, impact or connection fees or for water service payments paid to Seller prior to the date hereof. Seller shall remain solely liable to return any sums that may be required to be returned under development agreements, main extension contracts, or agreements of similar import between Seller and owners or developers of real property.

(k) Seller will advise Buyer in writing promptly after Seller receives knowledge of the threat or commencement of any dispute, claim, action, suit, proceeding, arbitration or investigation against or involving the Assets or the sale and transfer thereof to Buyer, or of the occurrence of any event (exclusive of general economic factors affecting business in general) of a nature that is or may be materially adverse to the business, operations, properties, assets, prospects or condition (financial or otherwise) of Seller.

4.2 Negative Covenants. Except as otherwise contemplated by this Agreement, pending and prior to the Closing, Seller shall not, without the prior written approval of Buyer, do or agree to do any of the following in connection with Seller's operation of the Assets:

(a) Dispositions. Sell, assign, lease or otherwise transfer or dispose of any Assets.

(b) Contracts. Enter into any contracts, leases, commitments, understandings, licenses, or other agreements relating to the Assets or incur any obligation or liability (contingent

or absolute) relating exclusively to the Assets.

(c) Material Adverse Actions. Do or omit to do any act (or permit such action or omission) that would be reasonably expected to have a material adverse effect on the Assets.

(d) Actions Affecting Permits. Take any action that would be reasonably expected to jeopardize the validity or enforceability of, or rights under, the permits required for the operation of the System.

(e) Encumbrances. Mortgage, pledge or subject any of the Assets to liens or encumbrances.

(f) Seller will not take any action which would result in a material breach of any of the representations and warranties of Seller hereunder.

5. CONDITIONS PRECEDENT TO AQUA'S OBLIGATIONS

5.1 The Closing of the transaction shall be contingent upon the following:

(a) Seller shall comply with its obligations hereunder, including, without limitation, delivery of all documents and items required pursuant to **Section 2.1** above, and provide a *Bring-Down Certificate* at Closing, certifying that the representations herein are true and accurate as of Closing.

(b) Seller and Buyer mutually shall apply to transfer any applicable permit issued by DEP to Buyer, including those listed on **Schedule 2.4**. Such *Applications for Transfer* shall be prepared by Buyer with the filing fee(s) at Seller's cost up to $500.00, with any excess to be borne by Buyer.

(c) Seller shall provide to Aqua an *Opinion Letter* from Counsel in form and substance consistent with that identified as **Schedule 5(c)**.

(d) Aqua shall be satisfied with the overall legal compliance and operational functionality of the System, including, without limitation, any improvements, repairs or changes that DEP or other governmental agency has ordered or required to be made to the System or does order or require prior to Closing.

(e) Aqua shall be satisfied with its review of the real property on which the Assets are located including (i) the environmental condition and (ii) the quality of Seller's fee or easement title to such real property.

(f) On the Closing Date, no proceeding shall be pending or threatened before any court or governmental agency in which it is sought to restrain or prohibit or to obtain damages or other relief in connection with this Agreement or the consummation of the transactions contemplated hereby, and no investigation that might eventuate in any such suit, action or proceeding shall be pending or threatened.

(g) Seller shall have furnished Aqua with certified copies of all proceedings of Seller,

including signed and certified copies of: (i) the minutes of meetings whereby the transaction hereby contemplated was duly authorized, and (ii) appropriate consents, resolutions and other document(s) authorizing the transactions hereby contemplated, as Aqua reasonably shall require.

(h) Seller shall receive any releases, approvals or consents required under (A) any third party agreements to which Seller is a party or (B) Pennsylvania law to sell its real or personal property.

(i) Seller and Buyer shall have received all required approvals from regulatory agencies, where applicable, including adoption and approval of a final Order from PUC authorizing: (A) the transfer of the Assets as contemplated by this Agreement; (B) Aqua to provide, and Seller to cease providing, water service to the residents in the Requested Service Territory; and (C) *Certificates of Public Convenience* from the PUC. Such governmental authorizations, orders, and approvals by the PUC shall be in form and substance satisfactory to Aqua in its sole discretion and shall survive Closing along with the applicability of Buyer's Tariff applying to any and all existing and future customers that would receive service from Aqua through the Assets or any extensions thereof. Except as otherwise stated in this Agreement, Buyer is responsible at its cost (but with Seller's reasonable cooperation and joinder if necessary) to make application for and diligently prosecute all applications for all required regulatory approvals required to be obtained as a condition of Closing. Seller shall, at Aqua's request, participate in the application proceedings before the PUC.

(j) Seller shall support Aqua in obtaining all required approvals from regulatory agencies, including DEP and PUC. Except as set forth in **Section 5.1(b)**, in connection with obtaining such approvals, each party hereto shall bear its own costs and expenses that it may incur. The PUC application shall include a request for a service territory as depicted on **Schedule 1.**

(k) The Assets shall not be, or be threatened to be, materially adversely affected by fire, explosion, earthquake, disaster, accident, cessation or interruption of utility or other services, flood, drought, lack of supply, contamination of water supply, embargo, riot, terrorism, civil disturbance, uprising, activity of armed forces or act of God or public enemy, or any other event or occurrence.

(l) All actions, proceedings, resolutions, instruments and documents required to carry out this Agreement or incidental hereto and all other related matters shall have been approved on the Closing Date by Aqua in the exercise of its reasonable judgment.

(m) Termination or modification, as determined by Aqua in its reasonable discretion, of any COA and any CAP by and between Seller and DEP.

(n) If applicable and if required by DEP or desired by Aqua in its reasonable discretion, Aqua and DEP shall have entered a mutually agreeable CAP with DEP prior to Closing to replace any CAP or any COA between Seller and DEP, which new or assumed COA and/or CAP shall be acceptable to Aqua in Aqua's sole discretion.

(o) Any Pennsylvania Infrastructure Investment Authority ("**PennVest**") loans pertaining to the Assets or the System will be fulfilled and satisfied at or prior to the date of Closing, and all liens pertaining to same shall be released.

(p) Prior to Closing the Township of Ulster shall have enacted a Mandatory Connection Ordinance requiring connection to the System to ensure all buildings constructed after the Closing Date have access to the public water supply system where available. The Ordinance shall apply to any vacant lot or parcel intended (a) for human occupancy, habitation, or business purposes, (b) for which a building permit is sought, and (c) which has a property line within 150 feet of a public water main. Any such premises within the jurisdiction of the Township of Ulster shall be connected to the System within ninety (90) days of written notice from the Township of Ulster or by Seller. Where a premises is connected to the public water supply system, all existing private wells used for potable water shall be abandoned or disconnected from the internal plumbing in accordance with applicable state and local regulations. Wells may be retained for non-potable purposes if approved by the Township of Ulster or by Seller; provided, however, that no private well may be connected to the System. Subject to any contribution by Aqua for a new service connection in accordance with Aqua's Tariff, the property owner shall bear the cost of connection, including service line installation, permits, and inspections. Failure to comply with the ordinance shall constitute a violation and shall be subject to civil fines, disconnection of any unauthorized water source, and legal action to compel compliance.

6. REPRESENTATIONS AND WARRANTIES OF SELLER

6.1 In making this instrument, Seller makes the following representations and warranties that shall survive the date hereof and the Closing:

(a) Organization. Seller is a duly organized Pennsylvania municipal authority, validly existing, solvent, and in good standing under the laws of the Commonwealth of Pennsylvania.

(b) Assets Ownership. Seller holds the exclusive right, title and interest to the Assets and facilities comprising the Assets described on **Schedule 1.1** attached hereto.

(c) Current Operations. Seller has all requisite power and authority and all agreements, contracts, commitments, leases, certificates, licenses, permits, regulatory authorizations and other instruments required to conduct the business of the Assets as it has been and is now being conducted and to own and operate the Assets.

(d) Legal Authority. Seller has the full power and lawful authority to transfer to Aqua the rights, title and interest in and to the Assets.

(e) Due Authorization; Valid and Binding. Seller has the full power and lawful authority to execute and deliver this Agreement and all related agreements and to consummate and perform the transactions contemplated hereby and has duly and validly authorized the execution of this Agreement and all related documents and agreements by all

necessary proceedings. This Agreement and all related agreements constitute the valid and binding obligation of Seller.

(f) No Approvals or Violations. This Agreement does not require any further approvals of any other party (except as stated in **Sections 5(h) and 5(i)** above); does not violate any law, ordinance or regulation; does not conflict with any order or decree; and does not conflict with or result in a breach of any contract, lease or permit to which Seller is a party. The proposed transfer does not violate, conflict with or result in the breach of any term, condition or provision of any instrument, contract, lease, agreement, permit, certificate or other document to which Seller is a party or is otherwise bound or affected, or by which the Assets may be bound or affected.

(g) Party to Decree. Seller is not party to, or subject to the provision of, any judgment, order, writ, injunction or decree of any court or of any governmental official, agency or instrumentality relating to the Assets.

(h) Seller will hold any and all required board meetings and will enact legally binding resolutions authorizing the sale of the Assets, ratifying this Agreement, and authorizing an officer or officers of Seller to sign the documents listed under **Section 2.1(a)** above and any other required Closing documents. Seller shall cause (1) notices to be served and (2) meetings to be called, to the fullest extent required under Sellers' charter, by-laws and applicable Pennsylvania law in order to sell, convey, grant or assign the Assets, including, without limitation, the *Deeds* and *Easements* contemplated under **Section 2.1(a)** above. Duplicate originals of all such notices, approvals and consents shall be provided to Aqua no less than one hundred twenty (120) days prior to Closing.

(i) List of Assets. **Schedule 1.1** contains a true and complete list of the Assets.

(j) Customer Records. The data contained in the customer records provided to Aqua is true and accurate.

(k) Cooperation. Seller shall cooperate with Aqua and shall use reasonable efforts to help Aqua collect or enforce any rights assigned to Aqua under this Agreement.

(l) Taxes. Seller has either (A) applied for and obtained exemptions, or (B) paid, or will arrange for the full payment of, all taxes owed by Seller on account of the operation of the Assets up to and through Closing. All federal, state and local tax returns, reports and statements (including all income, unemployment compensation, social security, employer payroll, sales and use, excise, privilege, property, ad valorem, franchise, license, school and other taxes owed or assessed under the laws of the United States or any state or municipal or political subdivision thereof required to be filed by Seller (the "Tax Returns") have been filed with the appropriate governmental agencies in all jurisdictions in which returns, reports or statements are required to be filed, and all filed returns, reports and statements properly reflect the tax liabilities of Seller for the periods, properties or events covered thereby. All federal, state and local taxes, assessments, interest, penalties, deficiencies, fees and other governmental charges or impositions, including those enumerated above in respect of the Tax Returns, that are called for by the Tax Returns, or claimed to be due by any taxing authority from Seller,

or upon or measured by the properties, assets or income of Seller, have been properly paid.

(m) Title of Assets. Seller has good and marketable title to the Assets, free and clear of all liens, encumbrances and security interests.

(n) Undisclosed Liabilities. Other than as disclosed herein, there are no liabilities or obligations of Seller, either accrued, absolute, contingent or otherwise, relating to the Assets. For purposes of this Agreement, the term liabilities shall include, without limitation, any direct or indirect indebtedness, guaranty, endorsement, claim, loss, damage, deficiency, cost, expense, obligation or responsibility either accrued, absolute, contingent or otherwise.

(o) Condition of Assets. All the tangible property included in the Seller's Assets are in good operating condition and repair, are usable in the regular course of business and conform to all applicable laws, ordinances, codes, rules and regulations relating to their construction, use and operation, and are free from any known material defects except such minor defects as do not substantially interfere with the continued use thereof in the conduct of normal operations.

(p) No Other Parties. No person other than Seller owns or has any interest in any equipment or other tangible assets or properties currently utilized or necessary to the operations or business of the Seller's Assets.

(q) Adequacy of Rights. All Contracts, commitments, leases, certificates, permits and other instruments related to the Assets to which Seller is a party are valid and enforceable in accordance with their terms, are in good standing, and the parties thereto are in compliance with the provisions thereof. No party is in default in the performance, observance or fulfillment of any material obligation, covenant or condition contained therein, and no event has occurred, which with or without the giving of notice or lapse of time, or both, would constitute a default there under.

(r) Adequacy of Property Rights. All leases, licenses, rights of way, and easements related in any manner to the assets and properties comprising the Seller's Assets and all other instruments, documents and agreements pursuant to which Seller has obtained the right to use any real property in connection with the Assets are in good standing, valid and effective in accordance with their respective terms, and with respect thereto, there is no existing default or event which could constitute a default. Seller possesses or will possess on the Closing Date all property rights necessary to operate the Assets, which rights can be assigned or conveyed to Aqua.

(s) Rights to Facilities. Seller has or will have on the Closing Date good and valid rights to occupy and to obtain access to the areas where the System's production, treatment and storage lines, tanks, meters and facilities are located, which rights shall be assigned or conveyed to Aqua at Closing.

(t) Pending Litigation. There are no pending claims, actions, investigations or legal or administrative proceedings regarding the Assets or Seller's ability to transfer the

Assets.

(u) Threatened Litigation. There are no threatened claims, actions, investigations or legal or administrative proceedings regarding the Assets or Seller's ability to transfer the Assets, nor does Seller know of any basis for any such claim, action or proceeding.

(v) Contract for Refunds. Seller is not a party to any Contracts for future payment of refunds under any main extension agreement, customer deposit agreement or similar agreement with respect to the Assets.

(w) Contract with Suppliers. Seller is not a party to any Contracts for the purchase of, or payment for supplies, equipment or for services related to the Assets, except such Contracts that shall not survive Closing. Seller will cooperate in the transfer of utility service in accordance with **Section 2.3** above.

(x) No Material Change. Within the past two years, Seller has not: 1) made or suffered any amendment or termination of any material Contracts, commitments, or any governmental permit or authorization to which it is a party or by which it is bound; or 2) canceled, modified or waived any debts or claims held by it; or 3) waived any rights of substantial value.

(y) No Material Adverse Conditions. There are no conditions or developments existing or, to the knowledge of Seller, threatened which would have a material adverse effect on the Assets.

(z) Compliance with Law. Seller is not in any material violation of any law, ordinance or governmental rule or regulation to which it or its business, operations, assets or properties is subject and has not failed to obtain, or to adhere to the requirements of, any certificate, license, permit or other governmental authorization necessary to the ownership of its assets and properties or to the conduct of its business.

(aa) Insurance. Seller has procured commercially reasonable policies of insurance for the Assets and will maintain such policies of insurance through the date on which Closing is held.

(bb) No liens. There are no liens, encumbrances or security interests against the Assets that will not be paid off or released by Seller at Closing.

(cc) Seller presently provides water service to its customers exclusively in the area depicted on **Schedule 1** as the "**Requested Service Territory**".

(dd) Seller owns the portion of the service line from the main in the street, right of way or easement to the edge of the roadway, curb-stop, curbline or edge of the easement (the "**Water Utility Service Line**"). Seller does not own any portion of the Customer Service Line from the edge of the roadway, curb-stop, curbline, or edge of the easement through the customer's property to the customer's structure.

(ee) The only Customer Service Line is at the address listed on **Schedule 6.1(ee)**.

6.2 Seller hereby represents and warrants to and with Aqua as follows with respect to compliance with environmental laws:

(a) Compliance with Law. Seller has been and is in compliance with: (i) all laws and regulations pertaining to the Assets and (ii) all Environmental Laws (as hereinafter defined).

(b) Adequacy of Permits. Seller has obtained and continues to possess all permits, licenses, approvals or other authorizations which are required under the Environmental Laws, has filed such timely and complete renewal applications as may be required prior to the Closing Date, and also has complied with all reporting and record keeping requirements under the Environmental Laws.

(c) Environmental Conditions. There are no past or present Environmental Conditions relating to the Assets which may impede or prevent continued compliance with the Environmental Laws or which may give rise to any civil or criminal liability under the Environmental Laws.

(d) Compliance with Decrees. Seller has been and is in compliance with all orders, decrees, judgments and notices issued against the Seller under or in connection with the Environmental Laws.

(e) Seller is not a party to any CAP or COA as of the Effective Date.

(f) No DEP Notices of Violation have been issued to Seller within five (5) years of the Effective Date of this Agreement.

6.3 Environmental Definitions. As used in this Agreement, the following terms shall have the following meaning:

(a) The term "**Environmental Laws**" shall include all federal, state, and local environmental laws and regulations, including, without limitation, the Clean Water Act ("CWA"), also known as the Federal Water Pollution Control Act ("FWPCA"), 33 U.S.C. § 1251 et seq., the Toxic Substances Control Act ("TSCA"), 15 U.S.C. § 2601 et seq., the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA"), 7 U.S.C. §§ 136 et. seq., the Safe Drinking Water Act ("SDWA"), 42 U.S.C. §§ 300 (f) et seq., the Surface Mining Control and Reclamation Act ("SMCRA"), 30 U.S.C. §§ 1201 et seq., the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. § 9601 et seq., the Superfund Amendment and Reauthorization Act of 1986 ("ARA"), Public Law 99-499, 100 Stat., 1613, the Resource Conservation and Recovery Act ("RCRA"), 42 U.S.C. 6901, the Atomic Energy Act ("AEA"), Act of August 30, 1954, Ch. 1073,68 Stat. 919 (codified as amended in scattered sections of 5 U.S.C. and 42 U.S.C.), and the Pennsylvania Clean Streams Law (35 P.S. §§691.1-691.1001), the Occupational Safety and Health Act, 29 U.S.C. Sections 651-678, counterpart Laws and regulations promulgated or issued by any state or local Governmental Authority, specifically including the Pennsylvania Storage Tank and Spill Prevention Act of 1989 (35 Pa. C.S.A. §

6021.101 *et. seq.*). Any reference to a legislative act or regulation shall be deemed to include all amendments thereto and all regulations, orders, decrees, judgments, opinions, directives, or notices issued thereunder.

(b) The term "**Environmental Condition**" shall mean any events, conditions, circumstances, activities, practices, incidents, actions or plans pertaining or related to the Assets, whether created by Seller or any other party, which (1) required or requires abatement or correction under an Environmental Law, or (2) has given or may give rise to any civil or criminal liability under an Environmental Law, or (3) has created or may create a public or private nuisance, including the presence of asbestos, PCB's, hazardous substances, petroleum products, radioactive waste or radon, on, in or about the Assets.

6.4 No Misleading Statements. No representation or warranty by Seller in this Agreement or in any document delivered or to be delivered pursuant hereto or in connection herewith, and no statement, document, agreement, information or certificate made or furnished or to be made or furnished to Aqua pursuant hereto or in connection with the negotiation, execution or performance of this Agreement, now and as of the Closing Date, contains any untrue statement of a material fact, or fails to state any fact necessary to make any statement herein or therein not misleading.

6.5 Documents Produced. Seller will deliver at Closing to Aqua true and complete copies of all the agreements, contracts, commitments, leases, certificates, plans, maps, permits and other instruments, documents and undertakings described in this Agreement.

7. REPRESENTATIONS AND WARRANTIES OF AQUA

7.1 Aqua hereby represents and warrants to Seller as follows:

(a) Organization. Aqua is a corporation duly organized and validly existing and in good standing under the laws of the Commonwealth of Pennsylvania.

(b) Due Authorization; Valid and Binding. Aqua has the full power and lawful authority to execute this Agreement and to consummate and perform the transactions contemplated hereby and has duly and validly authorized the execution of this Agreement by all necessary proceedings. This Agreement constitutes the valid and binding obligations of Aqua.

(c) Financial Wherewithal. Aqua has the financial wherewithal to complete the purchase of the Assets as contemplated hereunder and upon completion of Closing, to operate and manage the Assets at, or exceeding, the level of service provided by the Seller prior to Closing.

8. INDEMNIFICATION

Seller hereby acknowledges that, following the Closing Effective Time, Aqua shall be responsible for the provision of water service to the customers of Seller. Other than the future provision of water service, Aqua does not and shall not assume or incur any liability or obligation of Seller of

any nature whatsoever, express or implied, fixed or contingent, known or unknown. Seller shall reimburse, indemnify and hold harmless Aqua and its officers, employees and agents from and against all liabilities damages, losses, actions, audits, deficiencies, claims, fines, costs, expenses and obligations of Seller and from and against any and all claims, actions, judgments and fines arising from or related to: 1) any misrepresentation or breach of warranty by Seller under this Agreement; 2) the Seller's Assets to the extent such claims, liabilities, obligations, actions, etc., involve activities or events that occurred or originated prior to the Closing Effective Time, 3) the provision of water service by Seller for the period prior to the Closing Effective Time; 4) issues of environmental or regulatory compliance and claims by governmental authorities or third parties for events that are attributable to events that occurred prior to the Closing Effective Time, excluding events disclosed to Aqua in writing prior to Closing; and/or 5) the enforcement of this **Section 8**.

9. SURVIVAL OF REPRESENTATIONS AND WARRANTIES

All representations, covenants, warranties and agreements made by the parties in this Agreement or in any agreement, document, statement or certificate furnished hereunder or in connection with the negotiation, execution and performance of this Agreement shall survive the Closing and shall be deemed remade as of the Closing Date, as to all matters in existence and effect at the Closing Date, with the same force and effect as if made on, and as of, the Closing Date. Notwithstanding any investigation or audit conducted before or after the Closing Date or the decision of any Party to complete the Closing, each Party shall be entitled to rely upon the representations, warranties and agreements set forth herein and therein.

10. MISCELLANEOUS

10.1 Contents of Agreement; Parties in Interest; etc. This Agreement sets forth the entire understanding of the Parties hereto with respect to the transactions contemplated hereby. It shall not be amended or modified except by written instrument duly executed by each of the Parties hereto. Any and all previous agreements and understandings between or among any or all of the Parties regarding the subject matter hereof, whether written or oral, are superseded by this Agreement.

10.2 Binding Effect. All of the terms and provisions of this Agreement shall be binding upon, inure to the benefit of and be enforceable by the legal representatives, successors and assigns of Seller or Aqua.

10.3 Waiver. Any term or provision of this Agreement may be waived at any time by the Party or Parties entitled to the benefit thereof only by a written instrument executed by such Party or Parties.

10.4 Notices. Any notice, request, demand, waiver, consent, approval or other communication which is required or permitted hereunder shall be in writing and shall be deemed given only if delivered personally or sent by nationally recognized overnight courier, as follows:

If to Aqua**:**

Aqua Pennsylvania, Inc.
762 W. Lancaster Avenue
Bryn Mawr, PA 19010

Attention: General Counsel

With a required copy to:
Aqua Pennsylvania, Inc.
762 W. Lancaster Avenue
Bryn Mawr, PA 19010
Attention: President

And to Aqua's Counsel:
Stephen McConnell, Esq.
Reger Rizzo & Darnall LLP
2929 Arch St., 13th Floor
Philadelphia, PA 19014

If to Seller:
Ulster Municipal Authority
PO Box 157
60 Union Lane
Ulster, Pennsylvania 18850
Attention: Chairman

With a required copy to:
Christopher D. Jones, Esquire
Griffin, Dawsey, DePaola & Jones, PC
101 Main Street
Towanda, PA 18848

or to such other address as the addressee may have specified in a written notice duly given to the sender as provided herein. Such notice, request, demand, waiver, consent, approval or other communication will be deemed to have been given as of the date so delivered.

10.5 Law to Govern. This Agreement shall be governed by and interpreted and enforced in accordance with the laws of the Commonwealth of Pennsylvania without giving effect to any conflicts of laws provisions.

10.6 No Third Party Beneficiaries. The representations, warranties, covenants and agreements contained in this Agreement are for the sole benefit of the Parties hereto, and their legal representatives, successors and assigns, and they shall not be construed as conferring any rights on any other persons. Notwithstanding anything to the contrary contained herein, no provision of this Agreement is intended to benefit any party other than Seller and Buyer, as the named Parties hereunder, and no provision of this Agreement shall be enforceable by any other party.

10.7 Headings, Gender, etc. All section headings contained in this Agreement are for convenience of reference only, do not form a part of this Agreement and shall not affect in any way the meaning or interpretation of this Agreement. Words used herein, regardless of the number and gender specifically used, shall be deemed and construed

to include any other number, singular or plural, and any other gender, masculine, feminine or neuter, as the context requires.

10.8 Exhibits and Schedules. All Exhibits, Attachments and Schedules referred to herein are intended to be and hereby are specifically made a part of this Agreement.

10.9 Severability. Any provision of this Agreement that is invalid or unenforceable in any jurisdiction or under any circumstance shall be ineffective to the extent of such invalidity or unenforceability without invalidating or rendering unenforceable the remaining provisions hereof, and any such invalidity or unenforceability in any jurisdiction or under any circumstance shall not invalidate or render unenforceable such provision in any other jurisdiction or under any other circumstance, unless, in either event, the involved or unenforceable provision causes this Agreement to fail of its essential purpose.

10.10 Counterparts. This Agreement may be executed by facsimile, electronically or by exchange of documents in PDF format, and in several counterparts, each of which shall be deemed an original instrument and all of which together shall constitute a single agreement. Any signature page to any counterpart may be detached from such counterpart without impairing the legal effect of the signatures thereon and thereafter attached to another counterpart identical thereto except having attached to it additional signature pages.

10.11 Risk of Loss. Seller assumes risk of loss in connection with the assets prior to the Closing Effective Time, including, without limitation, risk of loss from fire and other casualty. In the event of any loss or damage to any of the assets prior to the Closing Effective Time, or if Seller is notified of any condemnation proceedings or other proceedings in the nature of eminent domain against any of the Assets, Seller shall, within three (3) business days thereafter, give written notice to Aqua.

10.12 THIS AGREEMENT SHALL NOT BE BINDING ON AQUA UNLESS AND UNTIL IT SHALL HAVE BEEN ACCEPTED AND SIGNED BY AN AUTHORIZED OFFICER OF AQUA.

Balance of page intentionally left blank – signatures appear on following page

IN WITNESS WHEREOF, intending to be legally bound, the Parties hereto have duly executed this Agreement on the date first written.

SELLER: ULSTER MUNICIPAL AUTHORITY

By: _____
Name: Franklin D Walker
Its: Chairman

AQUA PENNSYLVANIA, INC.

By: _____
Marc A. Lucca, President

Schedule 1
Requested Service Territory

To be inserted following APA execution via Amendment to this APA Prior to submission of PUC Application

Schedule 1.1

I. PRODUCTION, TREATMENT AND STORAGE FACILITIES

A. Two (2) 100 gpm wells (being Well #1 and Well #2) along with associated chlorination and other filtration, treatment and related equipment and appurtenances pertaining to Public Water Supply Permit Numbers **0809503** (Well #1) and **0881502** (Well #2); Public Water Supply Permit Amendment **#0823501** for construction; and NPDES Permit Number **PA0233811** for discharge of water treatment effluent.

B. One (1) 75,000 gallon elevated storage reservoir equipped with electric power;

C. One (1) filter and treatment plant, equipped with a Clearwell and (at a minimum) electric and natural gas power

D. Two (2) well stations;

E. All other related or necessary treatment equipment and processes, including chemical day tanks; and

F. One (1) generator at the filter plant.

II. DISTRIBUTION SYSTEM

A. Approximately 3.4 miles of transite and plastic water mains;

B. Sixteen (16) hydrants;

C. Any and all valves, fittings, blow-offs and other related appurtenances related to those facilities identified in "A" and "B" above;

D. All curb-stops;

E. No less than one hundred eighty (180) Water Utility Service Lines from the main to the curb-box and/or stop or edge of road or right of way; and

F. All transmission pipe.

III. REAL ESTATE

A. Fee title to all parcels of land associated with the Production, Treatment and Storage Facilities, including but not limited to the following:

1) Land, structures and improvements wherein
   a. **Well #1**, whereupon the tank and the filter plant are situate; and
   b. **Well #2.**
2) Land and improvements wherein the private drive is located providing access to the parcel where the reservoir described in I.B above is located.

B. Various easements and/or rights of way as required, including permanent and perpetual access (including, but not limited to, pedestrian, vehicular and utilities) to, from and for the Production, Treatment and Storage Facilities and the System Assets, including but not limited to the following:

1) Easements for any and all components of the Assets, including all wells, mains and company service lines, located outside of any roads that are not dedicated to a state or municipal entity.

IV. MISCELLANEOUS:

A. Any existing permits for the system and system components, including, without limitation transfer to Aqua of Water Supply Permit Numbers **0809503** (Well #1) and **0881502** (Well #2);

B. SCADA system;

C. All Seller's meters related to the System.

D. Assignment of any and all manufacturer's warranties for the Assets;
E. Billing records, including a list of the names and addresses of all water customers and known users at the time of Closing;
F. Maps and/or Plans of the existing Assets in place at the time of Closing;
G. Keys to any and all buildings included as components of the Assets;
G. Copies, of the originals, of all agreements, contracts, commitments, leases, plans, bids, quotations, proposals, instruments, certificates, and other instruments belonging to Seller that are part of or related to the Assets;
H. All machinery, equipment and other tangible property, personal property, including tools, supplies, inventories and customer records and contracts, financial records, engineering drawings, vendor contracts, environmental reports and all other records necessary to the continued operation of the Assets;
I. Fixtures, tangible personal property and equipment as existing on the real property listed in **Section III.A 1)** above as of the date of this Agreement; and
J. No less than one hundred eighty (180) customer accounts.

Schedule 2.4

Pennsylvania Department of Environmental Protection Permits to be Transferred

1) Public Water Supply Permit Numbers **0809503** (Well #1) and **0881502** (Well #2);

2) Public Water Supply Permit Amendment **#0823501** for construction; and

3) NPDES Permit Number **PA0233811.**

Schedule 4.1(b)

Seller Base Rates

The new rate effective the 18th day of August, 2025 is:

- $42.87 fixed charge, plus
- $19.60 per 1000 gallon

Schedule 4.1(g)

Persons or Entities that receive complimentary or discounted water service:

Ulster-Sheshequin Fire Association

Schedule 5(c)

Form of Opinion Letter

Griffin, Dawsey, DePaola & Jones, PC

_____, 2026

Aqua Pennsylvania, Inc.
762 West Lancaster Avenue
Bryn Mawr, Pennsylvania 19010

Ladies and Gentlemen:

I have acted as counsel to the Seller in conjunction with the Assets Purchase Agreement dated as of November _____, 2025 (the "Agreement") between Ulster Municipal Authority (“Seller") and Aqua Pennsylvania, Inc. (“Aqua”). The Agreement provides for Aqua to acquire from Seller the Seller’s water system assets situated in the Township of Ulster, Bradford County, Pennsylvania (collectively herein called the "Assets").

I have examined the Agreement and the certifications, documents and instruments delivered pursuant thereto. I have also examined original copies, certified copies and file copies of records, agreements, instruments, certificates of public officials and officers and other documents relating to the Assets.

Based upon the foregoing, to the best of my knowledge, I am of the opinion that:

(a) Seller is a Pennsylvania municipal corporation, duly organized, validly existing and in good standing under the laws of the Commonwealth of Pennsylvania.

(b) Seller has owned and operated the Assets and the water system assets as it has been and is now being conducted.

(c) Neither the execution nor delivery of the Agreement by Seller, nor consummation and performance of the transactions contemplated thereby results in a violation of any judgment, order, writ, injunction or decree of any court or of any governmental official, agency or instrumentality which is applicable to Seller.

(d) The execution and delivery of the Agreement and the performance of the transactions contemplated hereby do not violate, conflict with or result in the breach (with or without the giving of notice or lapse of time or both) of any term, condition or provision of any instrument, contract, lease, agreement, permit, certificate or other document to which Seller is a party, or is otherwise bound or affected, or by which any of Assets may be bound or affected.

(e) Seller has full power, authority and legal right to sell, convey, assign, transfer and deliver the Assets to Aqua as provided in the Agreement.

(f) All proceedings required to be taken by the Seller to carry out the Agreement, and to authorize the Seller to sell, convey, assign, transfer and deliver to Aqua the Assets pursuant to the Agreement have been or will be duly and properly taken.

(g) The Agreement has been duly executed and delivered by Seller and is the legal, valid and binding obligation of Seller enforceable against Seller in accordance with the terms of the Agreement.

(h) The instruments delivered by Seller to transfer the Assets to Aqua have been duly authorized, executed and delivered, are legal, valid and binding in accordance with their terms.

(i) There is no action, suit, or proceeding pending or, to the knowledge of the undersigned, threatened against or affecting Seller before or by any court, administrative agency, or other governmental authority which brings into question the validity of the transactions contemplated by the Agreement.

(j) No taxes, contributions, interest and penalties are owed by Seller to the Commonwealth of Pennsylvania and its constituent agencies for business conducted and transactions concluded up to and through Closing or will be owed to the Commonwealth of Pennsylvania as a result of the sale of the System Assets.

The opinions expressed herein are limited to matters of federal law and the laws of the Commonwealth of Pennsylvania. This opinion is provided to Aqua solely for the purpose of complying with Seller's obligations under the Agreement. This opinion is given for Aqua's use and benefit, and, except as may be otherwise permitted by law, may not be relied upon by any other person without the prior written consent of the undersigned.

Sincerely yours,

Griffin, Dawsey, DePaola & Jones, PC

[Attorney for Seller]

Schedule 6.1(ee)

Location of shared Customer Service Line

23639 Route 220, Ulster, PA 18850

****

Exhibit C

Aqua 2024 Financial Statements

****

Financial Statement Version for AQUA

0L	Ledger
10	Currency type Company code currency
USD	Amounts in United States Dollar
2024.12 -2024.12	Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
		ASSETS	
		PLANT	
		Net Utility Plant	
		Gross Utility Plant	
****	1310110	1310110 Construction Complete Not Classified	121,591,616.98
5510	1311000	1311000 Power Plan Clearing	0
****	1311111	1311111 Plant Held for Future Use - Powerplan Clearing	2,536,798.30
****	1311130	1311130 Utility Plant Purchased/Sold	2,500,000.00
****	1311200	1311200 Utility Plant in Service - PowerPlan	6,566,387,645.16
****	1311910	1311910 Util PP&E Clearing Acct for Data Conversion	3,562,614.00
		Total Utility Prop Plant & Equip	6,696,578,674.44
****	1311141	1311141 Plant Acquisition Adjustments-PowerPlan	-17,991,063.28
****	1331141	1331141 Accum Amortization - Plant Acquisition Adj PP	20,198,285.03
		Total Net Utility Plant Adjustment	2,207,221.75
****	1311310	1311310 Non-Utility Property	26,614,884.44
****	1331310	1331310 Accumulated Depreciation - Non-Utility Property	-6,542,209.02
		Non-Utility Property	20,072,675.42
		Total Gross Utility Plant	6,718,858,571.61
		Allowance for Depreciation	
****	1331210	1331210 Accumulated Depreciation - Utility Plant	-1,557,975,141.47
		Less Allowance for Depreciation	-1,557,975,141.47
		Total Net Utility Plant	5,160,883,430.14
		Construction Work in Progress	

****	1311011	1311011 Construction Work In Progress-Utility-PowerPlan	202,121,610.17
****	1311900	1311900 CWIP Clearing Acct/Direct Pstg	210,037.76
		Total Construction Work in Progress	202,331,647.93
		TOTAL PLANT	5,363,215,078.07
		OTHER ASSETS	
		Other Physical Property	
****	1311120	1311120 Non-Utility Property	2,507,002.95
****	1331120	1331120 Accumulated Depreciation - Non-Utility Property	-222,127.54
		Total Other Physical Property	2,284,875.41
		Investment in Subsidiary Companies	
5500	1219411	1219411 Inv in Consol Subs-5510-Honesdale Water Company	51,489,388.64
5500	1219412	1219412 Inv in Consol Subs-5550-Aq Pennsylvania WasteWater	516,604,679.89
		Total Investment in Subsidiary Companies	568,094,068.53
		OTHER ASSETS SUBTOTAL	570,378,943.94
		CURRENT ASSETS	
		Prepayments & Other Current Assets	
		Prepayments	
****	1191310	1191310 Other PPD-PUC Assessment	1,499,047.00
****	1191311	1191311 Other PPD-SBA Assessment	174,462.00
****	1191312	1191312 Other PPD-Cons/Public Advocate Assmt	467,536.00
5500	1191313	1191313 Other PPD-AWWA Dues	11,371.00
5500	1191315	1191315 Other PPD - PURTA Tax	-1.31
****	1191900	1191900 Prepaid Miscellaneous	57,901.44
		Total Prepayments	2,210,316.13
		Total Prepayments & Other Current Assets	2,210,316.13
		Cash	
5500	1111502	1111502 Cash in Banks - Aqua PA PNC Acct-X2757	973,139.00
5500	1111520	1111520 Cash in Banks - PNC Nat.City-Shenango-X3268	2,307.00
5500	1112503	1112503 Cash Clrg - Aqua PA PNC Acct-X2757	-710.93
5500	1112561	1112561 Cash Clrg - PNC Aqua Acct-X3136	1.35
5550	1112563	1112563 Cash Clrg - PNC Aqua Acct-X6161	0.06
****	1113200	1113200 Working Funds	17,103.45
		Total Cash	991,839.93

		Accts Receivable Trade	
****	1136101	1136101 Customer A/R - Utility - Manual	-6,158.40
****	1136200	1136200 Customer A/R - Utility	62,800,122.66
****	1137057	1137057 Accounts Receivable - Other	6,649,594.37
5500	1199910	1199910 Rents Receivable	900
		Total Accts Receivable Trade	69,444,458.63
		Allowance for Bad Debts	
****	1138010	1138010 Provision for Uncollectible A/R-Customer Accounts	-8,908,139.15
		Total Allowance for Bad Debts	-8,908,139.15
		Accts Receivable - Affiliates	
5500	1133140	1133140 Interco Rec - 2200 - PNG Companies LLC	147,672.99
5500	1133224	1133224 Interco Rec - 5800 -Aqua Illinois, Inc.	0
5500	1135602	1135602 A/R - 9200 - Essential Services Inc.	143,052.13
****	1135603	1135603 A/R - 9210 - Aqua Services Inc.	1,129,008.33
5500	1135604	1135604 A/R - 5100 - Aqua New Jersey Inc.	4,847.35
5500	1135605	1135605 A/R - 5200 - Aqua Ohio Inc.	14,057.30
5500	1135606	1135606 A/R - 5210 - Aqua Ohio Wastewater Inc.	0
5500	1135607	1135607 A/R - 5300 - Aqua North Carolina Inc.	101,367.76
5500	1135608	1135608 A/R - 5400 - Aqua Virginia Inc.	0
5500	1135609	1135609 A/R - 5410 - Great Bay Utilities Inc.	0
****	1135610	1135610 A/R - 9100 - Essentials Utilities Inc.	59,626,152.90
****	1135611	1135611 A/R - 5500 - Aqua Pennsylvania Inc.	1,534,108.89
5500	1135612	1135612 A/R - 5510 - Honesdale Consol Water Co	52,057.17
5500	1135613	1135613 A/R - 5550 - Aqua Pennsylvania WW Inc.	2,819,632.60
5500	1135619	1135619 A/R - 5600 - Aqua Texas	0
5500	1135622	1135622 A/R - 5710 - Hendricks County WW LLC	0
5500	1135624	1135624 A/R - 5800 -Aqua Illinois, Inc.	3,046.55
		Total Accts Receivable - Affiliates	65,575,003.97
		Materials & Supplies	
5500	1142010	1142010 Materials Inventory	10,290,689.26
5500	1142020	1142020 Materials Inventory - Meters	3,862,858.08
5500	1142030	1142030 Materials Inventory - Chemicals	71,753.30
5500	1142910	1142910 Materials Inventory - Conversion	28,009.50

		Total Materials & Supplies	14,253,310.14
		Unbilled Revenue	
****	1131040	1131040 Unbilled Revenue - Water/WasteWater	33,612,666.02
5550	1131045	1131045 Unbilled Revenue - Water/WasteWater - Non CIS	736,597.90
		Total Unbilled Revenue	34,349,263.92
		TOTAL CURRENT ASSETS	177,916,053.57
		NONCURRENT ASSETS	
		Total Reg Assets LT	
		Rate Case Expense	
****	1253100	1253100 Deferred Rate Case Expenses	1,993,787.72
		Total Rate Case Expense	1,993,787.72
		Regulatory Assets	
****	1242010	1242010 Reg Asset - FAS 109	848,028,263.25
****	1242164	1242164 Reg Asset-Other	1,524,603.58
****	1242168	1242168 Reg Asset-COVID19 Recovery Cos	5,862,272.62
5500	1242171	1242171 Reg Asset-Reg Asset-Twin Lakes	693,184.66
****	1242208	1242208 Reg Asset - Cost of Removal - WT/WW	8,914,852.72
		Total Regulatory Assets	865,023,176.83
		Total Reg Assets LT	867,016,964.55
		Unamortized Debt Exp	
5500	1199920	1199920 Unamortized Debt Issuance Exp	93,145.20
		Total Unamortized Debt Exp	93,145.20
		Prelim Survey & Invest	
5500	1250020	1250020 Preliminary Survey & Investigations (PP)	45,828.31
****	1251030	1251030 Retirement Work in Progress (Water) – PP	2,617,899.81
		Total Prelim Survey & Invest	2,663,728.12
		Goodwill	
****	1311151	1311151 Goodwill-Manual	34,303,750.80
		Total Goodwill	34,303,750.80
		Operating Lease Assets	
5500	1293110	1293110 Lease - Land	8,875,771.46
5500	1293115	1293115 Lease - Office Building	359,702.12
5500	1293120	1293120 Lease - Office Equipment	181,824.61

5500	1293130	1293130 Lease - Easement	0
5500	1293200	1293200 Accumulated Lease Amortization	-1,674,313.88
		Total Operating Lease Assets	7,742,984.31
		Other (NC Assets)	
5500	1253921	1253921 Other Deferred DB-Susp-Amortiz	-175,730.23
5500	1253922	1253922 Other Deferred DB-Service Line	20,533.90
5500	1999997	1999997 ADP Interm Clearing	260.18
		Total Other (NC Assets)	-154,936.15
		TOTAL NONCURRENT ASSETS	911,665,636.83
		TOTAL ASSETS	7,023,175,712.41
		CAPITAL	
		Equity	
		Common Shares	
****	3110100	3110100 Common Stock	-110,000.00
		Total Common Shares	-110,000.00
		Capital in Excess of Par	
5500	3121111	3121111 Other Paid-In Cap-PSU	-7,659,957.16
5500	3121112	3121112 Other Paid-In Cap-RSU	-1,864,919.17
5500	3121114	3121114 Other Paid-In Cap-Stock Option	-9,008,520.31
5500	3121115	3121115 Other Paid-In Cap-Tax on Stock	-1,644,203.90
5500	3121116	3121116 Other Paid-In Cap-Restricted Stock	-449,399.37
****	3121117	3121117 Other Paid-in Capital-Aqua	126,569,873.28
5500	3121121	3121121 Members Equity - Subsidiaries	-524,048,462.38
		Total Capital in Excess of Par	-418,105,589.01
		Balanace January 1st	
****	3220000	3220000 Unappropriated Retained Earnings	-2,377,127,710.45
5500	3220301	3220301 Unapprop Undistr Sub Erngs-9110-Essential WT Hldg	-36,121,805.98
5500	3220312	3220312 Unapprop Undistr Sub Erngs-5510-Honesdle Consol WT	-3,192,277.18
5500	3220313	3220313 Unapprop Undistr Sub Erngs-5550-Aq PennsylvaniaWW	-20,069,064.66
****	3239900	3239900 Miscellaneous Retained Earnings Adjustments	0
		Balanace January 1st	-2,436,510,858.27
		Income - Current Year	
		Current Year Profit	-254,156,039.91

		Total Income - Current Year	-254,156,039.91
		Treasury Stock	
5500	3131000	3131000 Reacquired Capital Stock	1,000.00
		Total Treasury Stock	1,000.00
		Total Equity	-3,108,881,487.19
		Long-Term Debt	
		Mortgage Bonds	
5500	2200210	2200210 Long-Term Debt - Bonds	-2,174,800,000.00
****	2200460	2200460 Long-Term Debt - PENNVEST	-17,270,564.37
		Total Long Term Debt	-2,192,070,564.37
		Total Mortgage Bonds	-2,192,070,564.37
		Unamort Debt Issue Costs	
****	2201005	2201005 Debt Issuance Costs – LT - Water/Wastewater	11,017,775.57
5500	2201020	2201020 Unamortized Bond Premium	0
		Total Unamort Debt Issue Costs	11,017,775.57
		Total Long-Term Debt (Net)	-2,181,052,788.80
		TOTAL CAPITAL	-5,289,934,275.99
		CURRENT LIABILITIES	
		Short Term Debt	
5500	2150050	2150050 Notes Payable - Short Term Debt	-31,157,563.96
		Total Short Term Debt	-31,157,563.96
		Current Portion - LTD	
****	2150010	2150010 Notes Payable - Current Portion	-2,783,699.81
5500	2150015	2150015 Notes Payable - Current Portion-FM Bonds	-15,000,000.00
		Total Current Portion - LTD	-17,783,699.81
		Accounts Payable - Trade	
****	2111020	2111020 Trade Accounts Payable	-13,360,737.32
5500	2111025	2111025 Cash Discounts Clearing - Trade A/P	28,120.86
****	2111110	2111110 Accts Pay-Refunds to Customers	-989.89
****	2111130	2111130 A/P-Contractors Retainage	-3,765,821.38
****	2111200	2111200 Goods Received/Invoice Received Clearing	-9,891,647.85
5500	2111400	2111400 Procurement Card Clearing	19,162.27
5500	2111530	2111530 Accts Pay-Accrued Purchased Water	-544,054.91

5500	2111535	2111535 Accts Pay-Accrued Electric	-699,995.69
5500	2111811	2111811 Expense Report Clearing - Travel Expense	-4,121.02
****	2111910	2111910 Accts Payable Liability - Other	-943,135.88
		Total Accounts Payable - Trade	-29,163,220.81
		Accts Payable - Affiliate	
5500	2113040	2113040 Interco Payable - 2200 - PNG Companies LLC	-138,749.67
5550	2113216	2113216 Interco Pay - 5582 - Aqua Resources Inc.	-28,338,136.02
5500	2113602	2113602 A/P - 9200 - Essential Services Inc.	-54,395.69
****	2113603	2113603 A/P - 9210 - Aqua Services Inc.	-6,105,900.07
5500	2113604	2113604 A/P - 5100 - Aqua New Jersey Inc.	0
5500	2113605	2113605 A/P - 5200 - Aqua Ohio Inc.	-10,793.54
5500	2113607	2113607 A/P - 5300 - Aqua North Carolina Inc.	0
****	2113608	2113608 A/P - 5400 - Aqua Virginia Inc.	-724.13
****	2113610	2113610 A/P - 9100 - Essentials Utilities Inc.	-54,306,439.66
****	2113611	2113611 A/P - 5500 - Aqua Pennsylvania Inc.	-2,871,689.77
5500	2113612	2113612 A/P - 5510 - Honesdale Consol Water Co	-81,765.93
5500	2113613	2113613 A/P - 5550 - Aqua Pennsylvania WW Inc.	-1,452,342.96
5500	2113616	2113616 A/P - 5582 - Aqua Resources Inc.	0
5500	2113619	2113619 A/P - 5600 - Aqua Texas	0
5500	2113621	2113621 A/P - 5700 - Aqua Indiana	0
5500	2113624	2113624 A/P - 5800 -Aqua Illinois, Inc.	-774.95
		Total Accts Payable - Affiliate	-93,361,712.39
		Construction A/P Trade	
****	2111912	2111912 Accts Pay-Construction	-3,779,807.14
		Total Construction A/P Trade	-3,779,807.14
		Accts Payable - Overdraft	
5500	2111900	2111900 Cash - Manual - Reclass	131.1
		Total Accts Payable - Overdraft	131.1
		Accr Inc Taxes - Federal	
****	2132011	2132011 Accrued Federal Income Tax - Current Year	158,934.47
		Total Accr Inc Taxes - Federal	158,934.47
		Accr Inc Taxes - State	
****	2133120	2133120 Accrued State Income Tax - Other-Curr Yr - WT/WW	3,067,880.30

		Total Accr Inc Taxes - State	3,067,880.30
		Accr Taxes - Other	
5500	2115115	2115115 Local Excise Tax - AQUA	115.43
****	2115210	2115210 Sales Taxes Payable - State	17,478.49
5500	2115310	2115310 Withholding Taxes Payable - Vendor	-7,935.32
		Total Accr Taxes - Other	9,658.60
		Accrued Interest	
****	2121015	2121015 Interest Accrued - Long-Term Debt-WT/WW	-25,843,136.51
5500	2121020	2121020 Interest Accrued - Short-Term Debt	-132,726.27
5500	2129040	2129040 Interest Accrued - Miscellaneous	-806,779.00
		Total Accrued Interest	-26,782,641.78
		Other Accrued Expense	
5500	2112085	2112085 Retiree Flexible Spending	9,180.52
5500	2141050	2141050 Accrued Payroll	-2,089,218.67
5500	2141200	2141200 Accrued Annual Incentive	-1,503,320.00
5500	2141620	2141620 Employee Profit Sharing	-1,186,278.51
5500	2190010	2190010 Lease Obligation - Current	-241,349.00
5500	2191600	2191600 Appropriated Funds - Other	-106,359.64
5500	2199411	2199411 Deferred Revenue-Antenna Leases	-879,556.29
****	2199615	2199615 Accrued Liab-Audit Fees	-321,547.08
5500	2199645	2199645 Accrued Liab-COVID Relief Fund	-1,281.06
****	2199900	2199900 Misc C&A Liabilities	-2,592,485.03
		Total Other Accrued Expense	-8,912,214.76
		TOTAL CURRENT LIABILITIES	-207,704,256.18
		NONCURRENT LIABILITIES	
		Cust Advances for Construction	
****	2199050	2199050 CAC-WIP Non Cash	-79,050,469.71
****	2199060	2199060 CAC-WIP Cash	7,232,934.19
****	2199065	2199065 CAC-WIP Closing	71,817,535.52
****	2199070	2199070 Adv Cust-Cash Other	-148,477.00
****	2199075	2199075 CAC-Non Unitized	-62,746,489.35
****	2199085	2199085 Adv Cust-Non Cash Dedicated Pr	-3,562,614.00
		Total Cust Advances for Constr.	-66,457,580.35

		Long Term Deferred - FIT	
****	1261010	1261010 Accumulated Deferred FIT Asset - Non-Current	10,014,221.54
****	1261020	1261020 Accumulated Deferred FIT Asset - Excess Gross UPNC	54,856,543.87
****	2210010	2210010 Accum Defd Plant Federal Income Tax Liab-Noncurr	-599,700,150.71
****	2210020	2210020 Accum Defd Other Federal Income Tax Liab-Noncurr	-269,982,348.28
		Total Long Term Deferred - FIT	-804,811,733.58
		Long Term Deferred - SIT	
****	1262010	1262010 Accumulated Deferred SIT Asset - Non-Current	43,372,314.22
****	2211010	2211010 Accum Defd Plant State Income Tax Liab-Noncurr	-285,116,103.13
****	2211020	2211020 Accum Defd Other State Income Tax Liab-Noncurr	57,990,841.63
		Total Long Term Deferred - SIT	-183,752,947.28
		Unamortized ITC	
5500	2212010	2212010 Deferred Taxes-Unam Fed ITC	-3,005,466.51
		Total Unamortized ITC	-3,005,466.51
		Regulatory Liability	
5500	2220100	2220100 Reg Liab - FAS109 - NonCurrent	-13,186,226.29
****	2220110	2220110 Reg Liab - Excess Deferred Income Tax - NonCurrent	-143,963,500.67
****	2220120	2220120 Reg Liab - Excess DIT - Gross Up NC	-53,978,108.92
****	2220170	2220170 Reg Liab - 481a Benefit	-38,427,512.24
5500	2220225	2220225 Reg Liability - OPEB Tracker	-1,855,803.14
5500	2220330	2220330 Reg Liab-Pension/OPEB	-127,580,764.11
		Total Regulatory Liability	-378,991,915.37
		Non-Current Operating Leases	
5500	2290020	2290020 Lease Obligation - Noncurrent	-7,501,635.31
		Total Non-Current Operating Leases	-7,501,635.31
5500	2291508	2291508 Noncurrent Liab-Pension Benefit Obligation	126,400,866.14
5500	2291518	2291518 OPEB Liability - Essential - Non Current	-9,491,588.71
5500	2291530	2291530 NQ Pension Liability - Non Current	-313,227.48
		Total Pension and OPEB Liabilities	116,596,049.95
		Other (NC Liab)	
5500	2291120	2291120 Uncertain Tax Position Reserve-State	-1,144,369.39
5500	2299180	2299180 Accrued FIN 48 Income Tax - Long - Term	-4,105,256.10
		Total Other (NC Liab)	-5,249,625.49

		NONCURRRENT LIABILITIES SUBTOTAL	-1,333,174,853.94
		CIAC -NET	
		CONTRIB IN AID OF CONSTR.	
****	2292000	2292000 CIAC-WIP Non Cash	-1,875,733.29
****	2292010	2292010 CIAC-WIP Cash	-2,706,690.85
****	2292020	2292020 CIAC-WIP Closing	-83,925.11
****	2292030	2292030 CIAC-Unitized	-259,917,398.54
		Total Contrib in Aid of Constr.	-264,583,747.79
****	2292100	2292100 Accum Amort of CIAC	72,221,421.49
			72,221,421.49
		Total CIAC -NET	-192,362,326.30
		TOTAL LIABILITIES & CAPITAL	-7,023,175,712.41
			0
			5,266,964,442.07

Financial Statement Version for AQUA

0L		Ledger
	10	Currency type Company code currency
USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
		OPERATING INCOME	
		REVENUE	
		Operating Revenue	
5500	4114010	4114010 WTR-Unmetered-Residential	-20,824.72
5500	4114055	4114055 Other Sales-Public Auth-Affil-5200-Aqua OH	-353,897.91
****	4114110	4114110 WTR-Metered Sales-Residential	-375,560,008.36
****	4114115	4114115 WTR-CAP Discount-Residential	2,679,526.78
****	4114120	4114120 WTR-Metered Sales-Commercial	-135,806,679.67
****	4114130	4114130 WTR-Metered Sales-Industrial	-22,724,843.45
****	4114140	4114140 WTR-Metered Sales-Public Authority	-10,404,859.96
5500	4114160	4114160 WTR-Metered Sales-Bulk Water	-164,112.77
****	4114210	4114210 WTR-Metered Fire Protection	-15,630,169.06
****	4114220	4114220 WTR-Public Fire Protection	-7,280,318.93
****	4114230	4114230 WTR-Private Fire Protection	-2,759,745.46
5500	4115090	4115090 WTR-Sales for Resale-Metered	-3,292,154.60
****	4115100	4115100 WTR-Misc Srv Rev	-545,379.50
****	4115105	4115105 WTR-Misc Srv Rev-Reconnect Fee	-328,598.11
****	4115115	4115115 WTR-Misc Srv Rev-Late Pmt Fees	-782,248.58
****	4115120	4115120 WTR-Misc Srv Rev-Bad Check Fee	-59,000.00
5500	4115125	4115125 WTR-Misc Srv Rev-New Acct Fee	-200
****	4115135	4115135 WTR-Misc Srv Rev-DSIC Imprv Surch	-22,632,370.02
****	4115140	4115140 WTR-Misc Srv Rev-ST Tax Adj Surch	1,759,399.04
5500	4115145	4115145 WTR-Revenue Reserve	403,909.12

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0L		Ledger
	10	Currency type Company code currency
USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
5500	4118400	4118400 WTR-Other Water Rev	-367,890.47
		Operating Revenue - Water	-593,870,466.63
****	4211030	4211030 WW-Measured Rev-Residential	-42,727,026.52
****	4211035	4211035 WW-CAP Discount-Residential	183,563.83
****	4211040	4211040 WW-Flat Rate Rev-Residential	-8,723,579.66
5550	4212030	4212030 WW-Measured Rev-Commercial	-17,462,174.87
****	4212040	4212040 WW-Flat Rate Rev-Commercial	-3,411,016.03
5550	4213030	4213030 WW-Measured Rev-Industrial	-39,093.28
5550	4213040	4213040 WW-FlatRateRev-Industrial	-338,371.76
5550	4214030	4214030 WW-Flat Rate Rev-Pub Authorit	-802.14
5550	4214040	4214040 WW-Flat Rate Rev-Other Systems	-23,949.34
5550	4214050	4214050 WW-Measured Rev-Pub Authority	-1,643,071.13
****	4215155	4215155 WW-ST Tax Surcharge	50,924.79
5550	4215160	4215160 WW-Revenue Reserve	38,733.44
****	4218300	4218300 WW-Forfeited Discounts/Abate	-144,623.80
5550	4218400	4218400 WW-Other WW Revenues	-17,595.00
****	4218410	4218410 WW-Other WW Rev-DSIC	-778,515.54
		Operating Revenue - Sewer	-75,036,597.01
		Total Operating Revenue	-668,907,063.64
		Non Operatiing Revenue	
5550	4305035	4305035 Revenues from M & J and Contract Work	-6,132.00
5550	4305060	4305060 Rev-Contract-WW Billing	-1,852,650.83
5500	6104050	6104050 Rental Income - Non-Utility Operations	-22,000.00

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0L		Ledger
	10	Currency type Company code currency
USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
5500	6104070	6104070 Nonutil Inc-UMS Outside Serv	-446,761.92
****	6104120	6104120 Nonutil Inc-Other (Water)	-979,678.31
5500	6104130	6104130 Nonutil Inc-Rent -Pole/Twr	-2,190,456.42
		Total Non Operating Revenue	-5,497,679.48
		TOTAL REVENUE	-674,404,743.12
		UTILITY COSTS & EXPENSES	
		Operations & Maintenance Expense:	
		Labor	
5500	5300110	5300110 Salaried - Straight-Time Wages	48,519,215.58
5500	5300161	5300161 Salaried Severance	6,424.52
5500	5300163	5300163 Salaried Severance WT	3,212.26
5500	5300190	5300190 Labor-Officers, Executives	748,426.72
5500	8710100	8710100 Labor Cost Center Variances - Employees	0
		Labor Regular	49,277,279.08
5500	5300120	5300120 Salaried - Overtime Wages	6,940,016.04
		Labor Overtime	6,940,016.04
5500	5300170	5300170 Salaried - Incentives / Bonuses	18,600.00
****	5300180	5300180 Salaried - Annual Incentive	1,577,303.68
		Labor Short Term Incentive	1,595,903.68
5500	5300185	5300185 Stock Option Compensation	8,058.24
5500	5300186	5300186 Performance Share Unit Amortization	377,702.44
5500	5300187	5300187 Restricted Stock Unit Amortization	195,598.67
****	5996070	5996070 RECLASS-LTI/STI	0

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2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
		Labor Long Term Incentive	581,359.35
****	5996010	5996010 RECLASS-S&W-Employees	-20,176.70
****	5996020	5996020 RECLASS-S&W-Employees-OT	0
****	8000010	8000010 Area Manager II	-200.52
5500	8000029	8000029 Business Analyst III	29,876.99
****	8000032	8000032 Corporate Automation Engineer	0
5500	8000051	8000051 Corporate Energy Manager	524.36
****	8000056	8000056 Construction Coordinator III	-112.05
****	8000058	8000058 Construction Manager	0
****	8000088	8000088 Electrical Engineering Manager	0
5500	8000097	8000097 Enterprise Systems Manager	9,095.63
5500	8000105	8000105 Finance and Rate Analyst II	12,182.80
5500	8000129	8000129 Information Security Director	0
5500	8000150	8000150 Mgr, Security Operations & Engineering	1,269.28
****	8000154	8000154 New Business & Contract Operations Mgr	0
5500	8000156	8000156 Network Engineer II	0
****	8000159	8000159 Operations Director I	0
5500	8000168	8000168 Planning & Engineering Director	0
****	8000169	8000169 Project Engineer I	0
****	8000170	8000170 Project Engineer II	34,103.68
****	8000171	8000171 Project Engineer III	10,907.19
5500	8000179	8000179 Project Management Office Director	0
5500	8000201	8000201 Systems Administrator II	1,437.86

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0L		Ledger
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USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
5500	8000215	8000215 Service Desk Supervisor	0
5500	8000217	8000217 Systems Engineer II	0
5500	8000218	8000218 Security Engineer I	0
5500	8000219	8000219 Security Engineer III	46,708.83
****	8000227	8000227 Safety Specialist II	0
5500	8000228	8000228 Safety Specialist III	-1,251.60
5500	8000235	8000235 System Engineer III	22,417.56
5500	8000240	8000240 Telecom Engineer II	0
****	8000274	8000274 Field Supervisor I	0
****	8000275	8000275 Field Supervisor II	0
5500	8000276	8000276 Field Supervisor III	394.32
****	8000283	8000283 Operations Team Leader	0
****	8000286	8000286 Plant Manager II	0
****	8000289	8000289 Production Specialist	0
****	8000290	8000290 Plant Supervisor	0
5500	8000291	8000291 Senior Hydrogeologist	-563.92
****	8000292	8000292 Treatment Manager	0
5500	8000312	8000312 Telecom Analyst II	3,919.44
5500	8000325	8000325 Manager Security GRC	624.95
5500	8000326	8000326 Dsktop Sup Anlyst II-Exempt	0
5500	8000332	8000332 Lead, Enterprise Architect	7,981.80
5500	8000342	8000342 Security Analyst II	0
5500	8000365	8000365 Director Network/Telecom	0

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0L		Ledger
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2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
5500	8000367	8000367 IT Infrastructure Lead	0
****	8000381	8000381 Director Construction	0
5500	8000386	8000386 Materials Mgmnt Supervisor	0
****	8000387	8000387 Sr Security GRC Analyst	0
5500	8000412	8000412 Customer Relations Specialist II	30,216.24
****	8001003	8001003 Administrative Assistant I	0
****	8001004	8001004 Administrative Assistant II	0
****	8001018	8001018 Construction Coordinator II	0
5500	8001019	8001019 Construction Inspector	-199.22
****	8001025	8001025 Customer Service Specialist II	0
5500	8001067	8001067 Records Coordinator	0
****	8001101	8001101 Facility Operator I	0
****	8001102	8001102 Facility Operator II	219.11
****	8001103	8001103 Facility Operator III	0
****	8001104	8001104 Facility Operator Trainee	134.9
5500	8001110	8001110 Instrumentation Control Specialist	0
****	8001151	8001151 Operations Team Lead	452.5
****	8001164	8001164 Seasonal Laborer	482.16
****	8001181	8001181 Utility Technician	329.41
****	8001182	8001182 Utility Technician I	18.94
5500	8001183	8001183 Utility Technician II	0
****	8001204	8001204 Electrician (Union)	0
****	8001209	8001209 Meter Reader (Union)	0

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0L		Ledger
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2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	8001213	8001213 Utility Technician (Union)	-11,041.97
5500	8001219	8001219 Crew Leader	636.97
****	8001220	8001220 Distribution Technician	1,089.45
5500	8001224	8001224 Emergency Utility Worker	-120.03
****	8001226	8001226 Field Inspector - First Class	-172.76
****	8001228	8001228 Foreman	0
****	8001229	8001229 Facility Operator	0
****	8001230	8001230 Field Service Representative Leader	0
5500	8001231	8001231 Field Service Representative	-5,889.87
5500	8001235	8001235 Inspector	-1,422.28
****	8001239	8001239 Laborer	-1,123.23
5500	8001241	8001241 Leader	-1,937.54
5500	8001248	8001248 Maintenance Operator	-148.26
****	8001251	8001251 Maintenance Water Conservation Tech	-1,561.93
****	8001252	8001252 Operator - First Class	-849.32
5500	8001254	8001254 Operator - Third Class	-233.03
****	8001257	8001257 Operator I	-51.92
****	8001258	8001258 Operator II	97.42
****	8001259	8001259 Operator III	0
****	8001261	8001261 Operator Trainee	0
5500	8001265	8001265 Plant Utility Worker	48.84
****	8001270	8001270 System Operator	0
5550	8001276	8001276 Utility Field Service Worker I	35.32

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0L		Ledger
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2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	8001278	8001278 Utility Locator	0
5500	8001283	8001283 Utility Worker - Electrical	-351.04
****	8001284	8001284 Utility Worker	-5,418.65
****	8001289	8001289 Working Foreman	-799.72
****	8001291	8001291 Wastewater Operator I	0
****	8001314	8001314 Wastewater Operator II	0
5500	8001316	8001316 Customer Relations Specialist I	107,826.36
****	8002003	8002003 Administrative Assistant I-TH	0
****	8002004	8002004 Administrative Assistant II-TH	0
****	8002018	8002018 Construction Coordinator II-TH	0
5500	8002067	8002067 Records Coordinator-TH	0
****	8002101	8002101 Facility Operator I-TH	0
****	8002102	8002102 Facility Operator II-TH	0
****	8002103	8002103 Facility Operator III-TH	-90.9
****	8002104	8002104 Facility Operator Trainee-TH	0
****	8002151	8002151 Operations Team Lead-TH	172.62
****	8002205	8002205 Facility Operator-TH	0
****	8002213	8002213 Utility Technician (Union)-TH	-361.36
5500	8002224	8002224 Emergency Utility Worker-TH	-60.02
****	8002228	8002228 Foreman-TH	0
5500	8002231	8002231 Field Service Representative-TH	-492.27
5500	8002235	8002235 Inspector-TH	-678.63
5500	8002239	8002239 Laborer-TH	-580.5

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0L		Ledger
	10	Currency type Company code currency
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Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
5500	8002241	8002241 Leader-TH	-571.05
5500	8002248	8002248 Maintenance Operator-TH	-22.24
5500	8002251	8002251 Maintenance Water Conservation Tech-TH	-307.5
****	8002252	8002252 Operator - First Class-TH	-255.8
****	8002257	8002257 Operator I-TH	0
****	8002258	8002258 Operator II-TH	0
****	8002259	8002259 Operator III-TH	0
****	8002261	8002261 Operator Trainee-TH	-92.98
****	8002263	8002263 Pipe Truck Operator-TH	0
****	8002270	8002270 System Operator-TH	0
5500	8002283	8002283 Utility Worker - Electrical-TH	-98.73
5500	8002284	8002284 Utility Worker-TH	-3,792.96
****	8002289	8002289 Working Foreman-TH	-100.58
****	8002291	8002291 Wastewater Operator I-TH	0
****	8002314	8002314 Wastewater Operator II - TH	0
****	8003213	8003213 Utility Technician (Union)-DT	0
5500	8003219	8003219 Distribution Technician-DT	287.55
****	8003223	8003223 Emergency Utility Worker-DT	0
****	8003227	8003227 Foreman-DT	0
****	8003228	8003228 Facility Operator-DT	0
5500	8003230	8003230 Field Service Representative-DT	0
5500	8003234	8003234 Inspector-DT	0
****	8003240	8003240 Leader-DT	0

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0L		Ledger
	10	Currency type Company code currency
USD		Amounts in United States Dollar
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Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	8003256	8003256 Operator I-DT	0
****	8003257	8003257 Operator II-DT	0
****	8003258	8003258 Operator III-DT	0
****	8003260	8003260 Operator Trainee-DT	-24.79
****	8003262	8003262 Pipe Truck Operator-DT	0
5500	8003265	8003265 Stock Attendant - First Class-DT	-338.64
****	8003269	8003269 System Operator-DT	0
****	8003290	8003290 Wastewater Operator I-DT	0
****	8003314	8003314 Wastewater Operator II - DT	0
****	8009990	8009990 True-Up Labor	4,139.14
		Activity Allocations	266,137.11
****	6996001	6996001 S&W-Employees-ST	-15,419,055.23
****	6996002	6996002 S&W-Employees-OT	-3,036,696.45
****	6996003	6996003 S&W-Officers, Directors, Majority Shareholder	-663,907.10
****	6996007	6996007 LTI/STI	-275,463.70
****	8720200	8720200 PTO Overhead	-6,563.73
****	8720700	8720700 LTI/STI/Stock Overhead	166.53
		Labor - Overheads & Capitalization	-19,401,519.68
		Total Labor	39,259,175.58
		Employee Benefits	
5500	5301010	5301010 Employee Benefits - Medical	7,189,135.63
5500	5301020	5301020 Employee Benefits - Dental / Vision	391,085.67
5500	5301025	5301025 Employee Benefits - Vision	83,645.30

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2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
		Employee Benefits - Health Plans	7,663,866.60
5500	5301030	5301030 Employee Benefits - Life Insurance	234,274.17
5500	5301040	5301040 Employee Benefits - Disability	132,614.63
		Employee Benefits - Insurance	366,888.80
5500	5301110	5301110 Employee Benefits - Pensions	4,255,505.00
		Employee Benefits - Pension	4,255,505.00
5500	5301060	5301060 Employee Benefits - OPEB	334,463.28
		Employee Benefits - OPEB	334,463.28
5500	5301130	5301130 Employee Benefits - Savings Plan	2,588,367.48
5500	5301131	5301131 Employee Benefits - Savings Plan(401K)-YE	1,472,905.65
		Employee Benefits - 401K	4,061,273.13
****	5301910	5301910 Employee Related Expenses-On Boarding	9,657.00
5500	5301915	5301915 Employee Related Expenses-DOT Physicals	768.5
****	5301990	5301990 Other Employee Benefits - Miscellaneous	911.76
5500	5301995	5301995 Employee Related Expenses-EASE Contract (EAP)	19,442.27
5500	5301996	5301996 Other Employee Benefits - Fees COLI Accounts	66,250.45
5500	5302110	5302110 Recruiting Expenses	43,848.01
5500	5302120	5302120 Transfer/Relocation Expense	-867.56
****	5302920	5302920 Tuition Reimbursement Expense	56,865.25
****	5302925	5302925 Employee Training Expense	61,522.27
****	5302926	5302926 Employee Training Expense-Seminars	11,549.86
****	5302930	5302930 Employee Relations Expense	3,487.20
****	5302990	5302990 Miscellaneous Employee-Related Expense	3,254.47

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2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	5996040	5996040 RECLASS-Employee Pension and Benefits	0
****	8720300	8720300 Payroll Other Overhead	-6,445.81
		Employee Benefits - Miscellaneous	270,243.67
****	6996004	6996004 Employee Pension and Benefits	-4,481,646.02
		Capitalized Employee Benefits	-4,481,646.02
		Total Employee Benefits	12,470,594.46
		Purchased Water	
****	5206100	5206100 Purchased Water	6,316,679.43
5500	6996009	6996009 Purchased Water	-173,759.09
		Total Purchased Water	6,142,920.34
		Purchased Wastewater	
****	5206115	5206115 Purchased Wastewater Treatment	14,640,513.10
		Total Purchased Wastewater	14,640,513.10
		Sludge	
****	5206240	5206240 Sludge Removal	1,869,703.53
5550	5996110	5996110 RECLASS-Sludge Removal (WasteWater)	0
5550	6996011	6996011 Sludge Removal (WW)	-159,807.68
		Total Sludge	1,709,895.85
		Purchased Power	
****	5206210	5206210 Purchased Power	9,699,702.09
****	5206230	5206230 Fuel for Power Production	345,854.58
****	6996015	6996015 Purchased Power (WW)	-26,214.73
****	6996016	6996016 Fuel for Power Production	-4,157.73

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Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
		Total Purchased Power	10,015,184.21
****	5304600	5304600 Chemicals-Oper-General	1,297,090.25
5500	5304601	5304601 Chemicals-Oper-Alum	10,396.28
****	5304602	5304602 Chemicals-Oper-Liqui Alum	1,636,205.53
****	5304603	5304603 Chemicals-Oper-Caustic	264,777.55
5500	5304604	5304604 Chemicals-Oper-Chlorine	1,697,053.20
****	5304605	5304605 Chemicals-Oper-Coagulants	815,494.81
5500	5304606	5304606 Chemicals-Oper-Fluoride	52,158.40
****	5304607	5304607 Chemicals-Oper-Hypochlorite	644,584.91
5500	5304608	5304608 Chemicals-Oper-Polyphosphate	812,032.18
****	5304609	5304609 Chemicals-Oper-Zinc Ortho	326,079.01
****	5304610	5304610 Chemicals-Oper-Polymer	756,729.52
5500	5304611	5304611 Chemicals-Oper-Soda Ash	0
5500	5304612	5304612 Chemicals-Oper-Sodium Thi	5,306.40
5500	5304613	5304613 Chemicals-Oper-Percol	7,831.80
5500	5304614	5304614 Chemicals-Oper-Solar Salt	0
5500	5304615	5304615 Chemicals-Oper-Lime	476,442.67
5500	5304616	5304616 Chemicals-Oper-Copper Sulphate	0
5500	5304617	5304617 Chemicals-Oper-Carbon	1,586,890.80
5500	5304619	5304619 Chemicals-Oper-Potaperm	109,929.35
5500	5304620	5304620 Chemicals-Oper-Ammonia	135,850.09
****	5304621	5304621 Chemicals-Oper-Misc Chem	258,039.49
****	5304622	5304622 SW-Chem-Coll Oper-General	0

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Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	5304624	5304624 SW-Chem-Pump Oper-General	678,936.18
5550	5304626	5304626 SW-Chem-T&D Oper-General	9,105.28
****	6996018	6996018 Chemicals	-15,655.35
		Chemicals	11,565,278.35
		Materials & Supplies	
****	5304100	5304100 Material Exp-Stock	24,274,555.53
5500	5304105	5304105 Material Exp-Stk Cr	-7,379.83
****	5304110	5304110 Material Exp-Cst Dif	-113,315.21
5500	5304120	5304120 Material Exp-Obslete	1,328.62
5500	5304140	5304140 Material Exp-Inv Rvl	81,190.00
****	5304200	5304200 Material Exp-Non Stk	5,091,245.96
5500	5304235	5304235 Materials & Supplies - Hydrants	4,076.81
5500	5304250	5304250 Materials – PFAS	110,532.00
****	5304300	5304300 Meter/ERT Purchases	5,771,396.08
****	5304330	5304330 Laboratory Supplies	22,750.58
****	5304340	5304340 Software/Hardware Purchases	661,426.47
****	5304370	5304370 Small Tools & Work Equipment	532,090.83
****	5304375	5304375 Materials & Supplies - Uniforms	140,608.78
****	5304380	5304380 Materials & Supplies - Safety Supplies	522,331.53
****	5304390	5304390 Misc Supplies	1,121,972.03
****	5996200	5996200 RECLASS-Materials and Supplies	-6,153.29
****	8720600	8720600 Tools/Clothing/Others Overhead	179.33
		Supplies	38,208,836.22

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Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	6996020	6996020 Materials and Supplies	-34,694,691.60
		Capitalized Supplies	-34,694,691.60
		Total Materials & Supplies	3,514,144.62
		Outside Services	
****	5303230	5303230 Contractor Services - Engineering	35,179,373.50
****	5996310	5996310 RECLASS-Contractual Services-Engineering	21,605.20
****	6996031	6996031 Contractual Services-Engineering	-34,614,952.57
		Outside Services - Engineering	586,026.13
5500	5303210	5303210 Accounting/Auditing Services	877,825.51
5500	6996032	6996032 Contractual Services-Accounting	-271,247.43
		Outside Services - Accounting	606,578.08
****	5303220	5303220 Legal Services	1,414,252.91
****	6996033	6996033 Contractual Services-Legal	-658,642.49
		Outside Services - Legal	755,610.42
****	5303850	5303850 Testing Services	1,072,281.19
****	5303855	5303855 Lab Testing – PFAS	6,051.79
****	5996350	5996350 RECLASS-Contractual Services-Testing	0
****	6996035	6996035 Contractual Services-Testing	-87,004.54
		Outside Services - Lab Testing	991,328.44
****	5303010	5303010 Contractor Labor - Straight Time	1,062,604.39
****	5303020	5303020 Contractor Materials	952,628.88
****	5303030	5303030 Contractor Services	95,581,774.51
****	5303031	5303031 Contractor Services - Oth-Cross Connect Control	563,680.00

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0L		Ledger
	10	Currency type Company code currency
USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
5500	5303032	5303032 Contractor Services - Oth-Hrdw/Sfts Maint	206,079.61
****	5303035	5303035 Contractor Services - Restoration	8,329,115.49
****	5303036	5303036 Contractor Services - Permit Fees	639,740.82
5500	5303040	5303040 Environmental Services	104,570.39
****	5303050	5303050 Contractor Services - Leak Detection	449,218.72
****	5303052	5303052 Contractor Services - Sewer Jetting	24,430.25
****	5303053	5303053 Contractor Services - Mains	86,426,890.77
****	5303054	5303054 Contractor Services - Well Cleaning	1,298,660.37
5550	5303055	5303055 Contractor Services - Wastewater Hauling	0
5500	5303056	5303056 Contractor Services - Basin-Lagoon Cleaning	394,376.61
5500	5303057	5303057 Contractor Services - Water Sludge hauling	453,065.23
5500	5303058	5303058 Contractor Services - Oth-Hauling	3,050.00
5500	5303059	5303059 Contractor Services - PFAS	719,098.84
****	5303061	5303061 Contractor Services - Other-Mains	3,263,914.10
****	5303062	5303062 Contractor Services - Other-Services	12,618,674.49
****	5303063	5303063 Contractor Services - Other-Meters	4,847,262.60
****	5303064	5303064 Contractor Services - Other-Hydrants	1,633,466.61
****	5303145	5303145 Contractor Services - Other-Construction	3,320,787.25
****	5996360	5996360 RECLASS-Contractual Services-Other	-1,591,311.87
****	6996036	6996036 Contractual Services-Other	-211,014,298.77
		Outside Services - Operations	10,287,479.29
5500	5997310	5997310 Other ACO Direct costs	993,966.26
****	5997320	5997320 WorkFlow Processing Fee	1,091,382.09

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0L		Ledger
	10	Currency type Company code currency
USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	5997330	5997330 WorkFlow Billing Postage	1,610,430.49
5500	5997360	5997360 ACO Lockbox Fees	444,435.78
		Direct ACO Costs	4,140,214.62
		Outside Services - ACO	4,140,214.62
		Outside Services - Other	
****	5303130	5303130 Building & Grounds Maintenance Services	2,201,851.06
****	5303135	5303135 Contractor Services - Grounds Care	1,975,942.19
****	5303840	5303840 Security & Investigative Services	759,204.99
****	6996361	6996361 Contractual Services - Other - Bldg & Grounds	-1,322,532.15
		Outside Services - Bldg & Grounds	3,614,466.09
****	5303150	5303150 Communications Equipment Maintenance Services	3,580.00
****	6996363	6996363 Contractual Services - Other - Communications	-2,980.00
		Outside Services - Communications	600
5500	5303110	5303110 Office Equipment Maintenance Services	4,877.27
****	5303120	5303120 Computer & Software Maintenance Services	223,204.96
5500	5303315	5303315 IT/Telecom Contractor Services	222,086.63
5500	6996364	6996364 Contractual Services - Other - IT	-246,712.75
		Outside Services - IT	203,456.11
****	5303140	5303140 Security Equipment Maintenance Services	538,648.16
5500	6996365	6996365 Contractual Services - Other - Security	0
		Outside Services - Security	538,648.16
5500	5303325	5303325 Professional/Temporary Labor	166,896.70
5500	6996366	6996366 Contractual Services - Other - Temporary Labor	-7,200.00

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0L		Ledger
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2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
		Outside Services - Temporary Labor	159,696.70
****	5303190	5303190 Miscellaneous Repairs/Maintenance	101,309.90
****	5303310	5303310 Consultant Services	898,338.09
****	5303320	5303320 Training Services	25,376.70
****	5303890	5303890 Miscellaneous Outside Services	491,602.60
****	6996367	6996367 Contractual Services - Other - Admin & General	-825,078.91
		Outside Services - Admin & General	691,548.38
		Total Outside Services - Other	5,208,415.44
		Total Outside Services	22,575,652.42
		Managment Fees	
5500	8731010	8731010 S&W-Employees	0
5500	8731030	8731030 S&W-Officers, Directors, Maj Shareholder	0
		Management Fees - Essential	0
****	8730100	8730100 Management Fees Aqua Services - Services	0
5500	8732010	8732010 S&W-Employees	21,745,119.82
5500	8732030	8732030 S&W-Officers, Directors, Maj Shareholder	9,297,510.17
5500	8732040	8732040 Employee Pension and Benefits	397,565.37
5500	8732050	8732050 Employee Taxes	0
5500	8732150	8732150 Purchased Power (WasteWater)	10,833.00
5500	8732200	8732200 Materials and Supplies	2,807,815.88
5500	8732310	8732310 Contractual Services-Engineering	644,347.04
5500	8732320	8732320 Contractual Services-Accounting	329,393.77
5500	8732330	8732330 Contractual Services-Legal	77,377.21

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0L		Ledger
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USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
5500	8732340	8732340 Contractual Services-Management Fees	2,536,581.80
5500	8732360	8732360 Contractual Services-Other	13,899,392.23
5500	8732410	8732410 Rental of Building Real Property	0
5500	8732500	8732500 Transportation Expenses	12,213.97
5500	8732570	8732570 Insurance General Liability	0
5500	8732600	8732600 Advertising Expense	5,017.25
5500	8732750	8732750 Miscellaneous Expense	1,881,659.70
		Management Fees - Water	53,644,827.21
****	8730310	8730310 Management Fees State Admin	0
****	8733010	8733010 S&W-Employees-ST	0
****	8733020	8733020 S&W-Employees-OT	0
****	8733030	8733030 S&W-Officers, Directors, Maj Shareholder	0
****	8733040	8733040 Employee Pension and Benefits	0
****	8733050	8733050 Employee Taxes	0
****	8733070	8733070 LTI/STI	0
****	8733090	8733090 Purchased Water	0
****	8733150	8733150 Purchased Power (WasteWater)	0
****	8733160	8733160 Fuel for Power Production	0
****	8733180	8733180 Chemicals	0
****	8733200	8733200 Materials and Supplies	0
****	8733310	8733310 Contractual Services-Engineering	0
****	8733320	8733320 Contractual Services-Accounting	0
****	8733330	8733330 Contractual Services-Legal	0

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0L		Ledger
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USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	8733340	8733340 Contractual Services-Management Fees	0
****	8733350	8733350 Contractual Services-Testing	0
****	8733360	8733360 Contractual Services-Other	0
****	8733361	8733361 Contractual Services - Other - Bldg & Grounds	0
****	8733364	8733364 Contractual Services - Other - IT	0
****	8733365	8733365 Contractual Services - Other - Security	0
****	8733366	8733366 Contractual Services - Other - Temporary Labor	0
****	8733367	8733367 Contractual Services - Other - Admin & General	0
****	8733410	8733410 Rental of Building Real Property	0
****	8733420	8733420 Rental of Equipment	0
****	8733500	8733500 Transportation Expenses	0
****	8733570	8733570 Insurance General Liability	0
****	8733600	8733600 Advertising Expense	0
****	8733750	8733750 Miscellaneous Expense	0
****	8733751	8733751 Other Miscellaneous Expense	0
****	8733780	8733780 Non Op Utility Exp	0
****	8733830	8733830 Capitalized Depreciation	0
****	8733850	8733850 Capital OH	0
		Management Fees - State	0
5500	6996034	6996034 Contractual Services-Management Fees	-25,233,875.75
		Capitalized Management Fees	-25,233,875.75
		Total Managment Fees	28,410,951.46
		Leases	

Financial Statement Version for AQUA

0L		Ledger
	10	Currency type Company code currency
USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	5307010	5307010 Rent Expense - Buildings	576,552.08
****	5307050	5307050 Rent Expense - Land & Land Rights	153,564.78
****	5996410	5996410 RECLASS-Rental of Building Real Property	0
****	6996041	6996041 Rental of Building Real Property	-87,100.00
		Leases - Building	643,016.86
****	5307030	5307030 Rent Expense - Equipment (Office & Other)	61,320.40
5500	5996420	5996420 RECLASS-Rental of Equipment	0
****	6996042	6996042 Rental of Equipment	-38,084.75
		Leases - Equipment	23,235.65
5500	5307090	5307090 Rent Expense - Miscellaneous	2,002.41
		Leases - Other	2,002.41
		Total Leases	668,254.92
		Transportation	
****	5303170	5303170 Automobile Repairs/Maintenance	27,163.86
****	5304210	5304210 Auto Parts & Supplies	753,597.48
5500	5399070	5399070 Vehicle Expenses-Fleet System- Maintenance	283,488.90
		Transportation - Services & Maintenance	1,064,250.24
5500	5399077	5399077 Transportation - Vehicle Leases	9,196.00
		Transportation - Leases	9,196.00
****	5304510	5304510 Gasoline	1,468,343.06
****	5304515	5304515 Diesel Fuel	286,335.62
5500	5304516	5304516 Natural Gas Fuel	9,882.78
5500	5304520	5304520 Fuel-Off Hwy Equip	4,549.23

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0L		Ledger
	10	Currency type Company code currency
USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
		Transportation - Fuel	1,769,110.69
5500	5303175	5303175 Contractor Srvcs-Transportation-Corp Claims Mgmt	40,167.56
5500	5399079	5399079 Transportation-Crash	76,688.17
****	5996500	5996500 RECLASS-Transportation Expenses	-168,374.97
****	8720500	8720500 Transportation Overhead	-1,886.87
		Transportation - Other	-53,406.11
****	6996050	6996050 Transportation Expenses	-885,257.67
		Capitalized Transportation	-885,257.67
		Total Transportation	1,903,893.15
		Miscellaneous Expenses	
****	5308010	5308010 Subscriptions	97,337.51
****	5308021	5308021 Professional Dues	10,177.14
****	5308041	5308041 Industry Assoc Dues	17,904.46
****	5308090	5308090 Other Dues&Membershp	686,796.60
		Dues & Subscriptions	812,215.71
****	5310010	5310010 Operating Permits	226,489.12
****	5310020	5310020 Licensing Fees	765,162.11
****	5310050	5310050 Environmental Fees	25,025.13
		Licenses & Permits	1,016,676.36
5500	5310080	5310080 Bank Fees	94,072.47
5500	5310085	5310085 Bond Servicing Fees	213,808.29
		Bank Fees	307,880.76
****	5302010	5302010 Travel Expense	214,651.82

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USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	5302015	5302015 Travel - Meals (50% Non-Deductible)	253,411.29
5500	5302016	5302016 Travel - Meals (100% Deductible)	0
5500	5302020	5302020 Entertainment Expense	8,270.67
****	5302021	5302021 Entertainment Expense - Non-Deductible	37,009.50
5500	5302022	5302022 Entertainment Expense-50% Non-Deductible	600
		Travel & Entertainment	513,943.28
****	5303830	5303830 Advertising	159,121.24
5500	5399110	5399110 Chamber of Commerce & Civic Org	207,038.00
****	6996060	6996060 Advertising Expense	-779.48
		Public Relations	365,379.76
5500	5399210	5399210 Penalties - Operating - Nondeductible-WTR/WWTR	9,375.00
		Fines & Penalties	9,375.00
****	5304310	5304310 Office Supplies	273,427.92
****	5304320	5304320 Postage, Shipping, & Freight	345,456.80
****	5304350	5304350 Office Furn & Equip	65,677.48
5500	5304360	5304360 Promotion Supplies	49,166.74
****	5304410	5304410 Purchasing Card Expenses-MC	-49,572.67
		Office Supplies	684,156.27
****	5309010	5309010 Utilities - Electric and Gas	60,555.97
5500	5309020	5309020 Utilities - Phone	0
****	5309025	5309025 Utilities - Communications	1,536,816.62
****	5309030	5309030 Utilities - Water	107,043.98
****	5309040	5309040 Utilities - Other	27,737.03

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0L		Ledger
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Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
		Utilities	1,732,153.60
****	5310090	5310090 Miscellaneous Fees	5,196.34
5500	5310100	5310100 Other Misc – PFAS	5,903.92
5500	5320140	5320140 Land Rights & Right of Way Fees	13,250.00
5500	5399040	5399040 Lost Discount Exp	-224,560.33
****	5399050	5399050 Regulatory Deferrals/Amortization	-279,549.56
****	5399900	5399900 Miscellaneous Expense	-2,420,502.23
5500	5399910	5399910 Miscellaneous Expense - Acct Recon Write-offs	0
****	6996751	6996751 Other Miscellaneous Expense	414,603.75
		Other Miscellaneous	-2,485,658.11
****	5303900	5303900 Conversion-Projects	-136,882.13
5500	5399060	5399060 Contrib in Aid of Constr - Cash - Taxable	139,102.82
****	5399061	5399061 CIAC-Project offset	18,178,681.41
****	5399062	5399062 Contrib in Aid of Constr - Non-Cash - Non-Taxable	-4,298,515.88
****	5399064	5399064 Contrib in Aid of Constr - Cash - Non-Taxable	-10,428,655.39
5500	5399074	5399074 Vehicle Purchases	3,439,333.23
****	5399310	5399310 Advances for Construction - Non-Cash - Non-Taxable	-13,380,165.53
****	5399315	5399315 Advances for Construction - Cash - Non-Taxable	3,287,111.63
****	5399340	5399340 Salvage Proceeds	-969,298.72
****	5996750	5996750 RECLASS-Miscellaneous Expense	0
****	5996850	5996850 RECLASS-Capital Overhead	0
****	6996075	6996075 Miscellaneous Expense	-3,101,830.72
****	6996081	6996081 CIAC	-3,590,612.96

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2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	6996082	6996082 CAC	10,093,053.90
****	6996085	6996085 Capital Overhead	7,905.44
****	8720400	8720400 A&G Capital Support Overhead	-1,394.61
****	8720900	8720900 Engineering Overhead	-4,308.74
		Capital Miscellaneous & Overheads	-766,476.25
		Total Miscellaneous Expenses	2,189,646.38
		Insurance	
****	5305010	5305010 Injury Expenses	4,366,712.00
****	5305020	5305020 Damages - Property	442,969.57
5500	5305030	5305030 Claims Reimburse	2,426.12
****	5305050	5305050 Worker's Compensation Claim Expenses	0
****	5305060	5305060 Worker's Compensation Admin	894,180.00
****	5306010	5306010 Insurance-Directors&Officers/Fiduciary/Crime	2,227,272.00
5500	5306060	5306060 Insurance-General Property	140,628.00
5500	6996057	6996057 Insurance General Liability	-1,404,576.00
5500	6996058	6996058 Insurance Workman's Compensation	-281,160.00
5500	6996059	6996059 Insurance Other	-699,360.00
		Total Insurance	5,689,091.69
		Bad Debt	
****	5311020	5311020 Uncollect Accts Exp-Writeoffs	4,571,166.62
****	5311030	5311030 Uncollect Accts Exp-Recovery of Bad Debt	-619,551.23
****	5311040	5311040 Uncollect Accts Exp-Reserve Change	-1,889,654.96
****	5996700	5996700 RECLASS-Bad Debt Expense	23,777.94

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2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	6996070	6996070 Bad Debt Expense	-38,606.40
		Total Bad Debt	2,047,131.97
		Non Operating Expenses	
****	5381000	5381000 Acquisition Related Expenses	1,264,348.77
****	6201011	6201011 Donations - 501(c)(3)	184,474.96
5500	6202021	6202021 Non Utililty Civic/Politic Activities	139,314.43
5500	6204020	6204020 Misc NonUtil Exp-Antennae	31,697.00
5500	6204050	6204050 Misc NonUtil Exp-Non-Cust Rel	102,944.40
5500	6204080	6204080 Misc NonUtil Exp-Bill Mat&Serv	13,225.00
5500	6204140	6204140 Misc NonUtil-N-Cust-Act & Evnt	0
****	6204150	6204150 Misc NonUtil Exp-Other	791,476.65
****	6204160	6204160 Misc NonUtil-Other-Prof Servic	165,403.31
5500	6204170	6204170 Misc NonUtil-Nontax Ded Bus Ex	303,797.01
****	6996078	6996078 Non Op Utility Expense	-65,216.40
		Total Non Operating Expenses	2,931,465.13
		Total Operations & Maintenance Expense	165,733,793.63
		Depreciation:	
****	5501001	5501001 Deprec Exp - Utility Plant	140,069,138.72
5550	5501091	5501091 Depreciation Expense - Non-Utility Plant	0
****	5502011	5502011 Amortization Expense - CIAC	-4,502,780.44
		Total Depreciation	135,566,358.28
		Amortization:	
****	5507011	5507011 Amortization Exp - Rate Case Expenses WT/WW	354,204.82

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Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	5507070	5507070 Amort-Util Plant Acq Adj	-843,891.93
5500	6402421	6402421 Amort Debt Disc & Exp - Essential	148,629.92
		Total Amortization	-341,057.19
		Taxes Other Than Income:	
****	5310031	5310031 Assessment-PUC	2,796,125.76
****	5310032	5310032 Assessment-Consumer Advocate	982,220.00
****	5310033	5310033 Assessment-SBA	271,841.00
****	5310035	5310035 Assessment-DPC	181
****	5702101	5702101 Property Taxes	-3,117.80
****	5702120	5702120 Property Taxes-WT/WW	1,496,068.24
5500	5703100	5703100 Payroll Taxes	4,386,090.11
5500	5709101	5709101 Other Miscellaneous Taxes	2,285.09
5500	5709140	5709140 Other Taxes-PURTA	4,800,201.33
****	5996050	5996050 RECLASS-Employee Taxes	0
****	6996005	6996005 Payroll Tax	-1,440,738.77
****	8720100	8720100 Payroll Tax Overhead	-2,586.69
		Total Taxes Other Than Income	13,288,569.27
		TOTAL UTILITY COSTS & EXPENSES	314,247,663.99
		TOTAL OPERATING INCOME	-360,157,079.13
		OTHER (INCOME) EXPENSE	
		Interest Expense:	
5500	6499021	6499021 Interest Expense - Short Term Debt	1,677,666.06
		Interest on Short Term Debt	1,677,666.06

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USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	6499011	6499011 Interest Expense - Long Term Debt	92,306,520.96
		Interest on LTD	92,306,520.96
****	6402430	6402430 Amort-Debt Issuance Costs	525,473.06
5500	6402440	6402440 Amort-Premium/Disc on Debt	0
		Amortization of Debt Issuance Costs	525,473.06
		Interest on Long Term Debt	92,831,994.02
****	5996800	5996800 Reclass-AFUDC-Debt	25,905.80
****	5996801	5996801 Reclass-AFUDC-Equity	42,104.70
****	6404001	6404001 Allowance for Funds Used Dur Constr-Debt	-3,045,017.03
****	6499998	6499998 Capitalized AFUDC Debt - Project Use	3,023,332.16
****	6996080	6996080 AFUDC-Debt	-3,048,225.72
		AFUDC - Debt	-3,001,900.09
****	6103000	6103000 Allowance Funds Used During Construction-Equity	-4,745,415.46
****	6499999	6499999 Capitalized AFUDC Equity - Project Use	4,699,089.83
****	6996086	6996086 AFUDC-Equity	-4,739,661.52
		AFUDC - Equity	-4,785,987.15
		Allow For Funds Used During Construction	-7,787,887.24
		Total Interest Expense	86,721,772.84
		Other Net (Income) Expense:	
****	5380011	5380011 Operating Gain/Loss-Disposition of Assets	-504,288.50
		Gains from Sales of Property	-504,288.50
5500	6299100	6299100 Other Expense - Non-Service Cost Benefits-Pension	-2,255,505.00
5500	6299101	6299101 Other Expense - Non-Service Cost OPEB	-295,380.00

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USD		Amounts in United States Dollar
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Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	6299102	6299102 Nonqual - Non Service Cost	161,209.00
		Other Net Periodic Benefit Costs	-2,389,676.00
		Other Net (Income) Expense	-2,893,964.50
		TOTAL OTHER (INCOME) EXPENSE	83,827,808.34
		TOTAL INCOME BEFORE TAX & GAIN	-276,329,270.79
		INCOME TAXES	
		Income Taxes - Current	
****	6310011	6310011 Federal Income Tax Expense	24,823,224.65
5500	6310021	6310021 FIN 48 Federal Income Tax Expense	269,752.16
		Federal Taxes - Current	25,092,976.81
****	6311011	6311011 State Income Tax Expense	6,134,924.24
5500	6312011	6312011 FIN 48 State Income Tax Expense	277,750.92
		State Taxes - Current	6,412,675.16
		Total Income Taxes - Current	31,505,651.97
		Income Taxes - Deferred	
****	6320021	6320021 Defd Federal Income Tax Expense-Noncurr Asset	9,271,707.69
****	6320031	6320031 Defd Federal Income Tax Expense-Other Curr Liab	-18,059,603.91
****	6320041	6320041 Defd Federal Income Tax Expense-Plant Noncurr Liab	39,718,701.50
5500	6320046	6320046 Defd Federal Income Tax Expense-EDIT Amortization	749,314.00
****	6320051	6320051 Defd Federal Income Tax Expense-Other NC Liab	-24,580,352.88
5500	6322011	6322011 Amortization - Deferred ITC	-102,140.44
		Federal Taxes - Deferred	6,997,625.96
****	6321021	6321021 Defd State Income Tax Expense-Noncurr Asset	10,820,053.14

Financial Statement Version for AQUA

0L		Ledger
	10	Currency type Company code currency
USD		Amounts in United States Dollar
2024.01 -2024.12		Reporting periods

Company Code	Account Number	Text for B/S P&L Item	Total of Reporting Period
****	6321031	6321031 Defd State Income Tax Expense-Other Curr Liab	-5,099,448.78
****	6321041	6321041 Defd State Income Tax Expense-Plant Noncurr Liab	751,561.61
****	6321051	6321051 Defd State Income Tax Expense-Other NC Liab	-2,017,948.71
		State Taxes - Deferred	4,454,217.26
		Total Income Taxes - Deferred	11,451,843.22
		TOTAL INCOME TAXES	42,957,495.19
		TOTAL NET INC BFR EQTY EARNG IN SUBSIDIARIES	-233,371,775.60
		Equity Earnings in Subsidiaries	
5500	4700311	4700311 Equity Earnings in Subsidiary-5510-Honesdale	-1,235,782.91
5500	4700312	4700312 Equity Earnings in Subsidiary-5550-Aqua PA Wastewa	-19,548,481.40
		Total Equity Earnings in Subsidiaries	-20,784,264.31
		TOTAL NET INCOME	-254,156,039.91
		NET INCOME AVAILABLE FOR COMMON	254,156,039.91
		TOTAL NET INCOME AVAILABLE FOR COMMON	0

****

Exhibit D

UMA Current Rate Resolution

****

RESOLUTION No. 01 -2025

A RESOLUTION OF THE ULSTER MUNICIPAL AUTHORITY, BRADFORD COUNTY, PENNSYLVANIA, ADOPTING A SCHEDULE OF RATES AND FEES FOR THE WATER SYSTEM.

WHEREAS, the Ulster Municipal Authority is the operator of the water system located in the Township of Ulster (hereinafter "Authority");

WHEREAS, the Authority has adopted Rules and Regulations regarding the use of the water system;

WHEREAS, there are certain rates and fees that are to be set by a Rate Resolution for the use of the Ulster water system; and

WHEREAS, the Authority now sets the Schedule of Rates and Fees for the water system;

NOW THEREFORE, be it resolved and it is hereby resolved as follows:

1. **Water Tapping Fees**

   The water tapping fee rate for each equivalent dwelling unit (EDU) and each service unit is hereby established at $1,400.00.

2. **Water Usage**

   Water Base Charge: $42.87 per month

   Water Rate: $19.60 per 1,000 gallons

3. **Other Charges**

   - Water Deposit: $100.00
   - Turn on fee: $55.00
   - 10% per month compounding penalty if water bill is not paid by due date.
   - Inspection fees: The actual cost of inspection as determined by the Authority's Inspector not to be less than $50.00.
   - Returned check/insufficient funds: $25.00.

GDDJ
GRIFFIN DAWSEY DEPAOLA JONES, PC
LAW OFFICES
TOWANDA, PA
SAYRE, PA

- Meter Test fees: The charge will equal the actual cost associated with any meter testing.

  In addition, there shall be a $150.00 service charge payable prior to all inspections.

  If the meter tested is found to be accurate within the limits specified in PA Code 65.8, the fee shall be retained by the Authority; if the test shows that the meter is not accurate within said limits, then the cost of the test shall be borne by the Authority and the fee paid by the customer shall be refunded.

- Lien Letter/Attorney's Letter Fee: $30.00

- Certified Letter Fee: $10.00, plus other related costs

- Any and all attorney's fees and collection costs for the enforcement of any of the Rules and Regulations set forth by the Authority.

- A charge or fee in the amount of $150.00 per month shall be imposed upon a consumer/owner/improved property/person for the failure to schedule an inspection within 30 days after said inspection has been requested by the Authority or by any representative of the Authority. Said $150.00 per month charge or fee shall continue to be charged each and every month until said inspection is scheduled.

- Any and all costs incurred by the Authority, including but not limited to attorney's fees, inspection costs, engineering costs and/or construction costs, for any violation of the Authority's Rules and Regulations including the costs to fix and/or correct the violation and any damage done to any parts of the Authority's Water System.

- Any and all costs incurred by the Authority to locate, inspect, meter and correct any improper infiltration into the Authority's Water System.

- Any and all costs incurred by the Authority in relation to any penalty imposed due to a violation of any of the Authority's Rules and Regulations.

4. A list of the Schedule of Rates and Fees shall be kept at the office of the Authority and shall be made available to any owner or user upon request.

5. The Authority hereby incorporates any rates, fees, and/or costs as set forth in any other Resolution and/or Rule or Regulation that was passed by the Authority as if said terms were set forth herein at length.

GDDJ
GRIFFIN DAWSEY DEPAOLA JONES, PC
LAW OFFICES
TOWANDA, PA
SAYRE, PA

6. If any sentence, clause or section or any part of this resolution is found to be unconstitutional, illegal or invalid, such unconstitutionality, illegality or invalidity shall not affect or impair any of the remaining provisions, sentences, clauses, sections or parties of this resolution.

7. Any Resolution or parts of Resolutions which are contrary to or in conflict with this Resolution are hereby repealed to the extent necessary to give this Resolution full force and effect.

8. This Resolution shall take effect on the date of enactment set forth below.

RESOLVED this 18th day of August, 2025.

Ulster Municipal Authority

BY: _____
Chairman

ATTEST BY:

Janette A Holdren
Secretary

CERTIFICATION OF ADOPTION

I hereby certify that the foregoing is a true and correct copy of a Resolution adopted at a meeting of the Ulster Municipal Authority held on the 18th day of August, 2025.

Janette A Holden
Secretary

GDDJ
GRIFFIN
DAWSEY
DEPAOLA
JONES, PC

LAW OFFICES
TOWANDA, PA
SAYRE, PA

ORDINANCE NO. 2025-02

AN ORDINANCE OF ULSTER TOWNSHIP, BRADFORD COUNTY, PENNSYLVANIA, REQUIRING THE OWNER(S) OF VACANT PROPERTY INTENDED FOR HUMAN OCCUPANCY, HABITATION OR BUSINESS PURPOSES, FOR WHICH A BUILDING PERMIT IS SOUGHT AND WHICH IS LOCATED WITHIN 150 FEET OF A PUBLIC WATER MAIN, TO CONNECT THEREWITH UPON NOTICE BY THE AUTHORITY; AT THE COST AND EXPENSE OF ANY OWNER(S) OF THAT PROPERTY; ADOPTING CERTAIN RULES AND REGULATIONS AND PROVIDING FOR ADOPTION OF ADDITIONAL RULES AND REGULATIONS; SETTING FORTH RELATED MATTERS; AND PRESCRIBING PENALTIES FOR VIOLATION.

BE IT ENACTED AND ORDAINED and it is hereby adopted by the Ulster Township Board of Supervisors, as follows:

ARTICLE I
DEFINITIONS

SECTION 1.01. – Unless the context specifically and clearly indicates otherwise, the meaning of terms and phrases used in this Ordinance shall be as follows:

A. "Authority" means Ulster Township Municipal Authority, a Pennsylvania municipal authority and any successor in interest thereto or any public utility company that acquires the Water System assets.

B. "Township" means the Township of Ulster, Bradford County, Pennsylvania, acting by and through its Board of Supervisors.

C. "Owner" means any Person vested within ownership, legal or equitable, sole or partial, of any Property.

D. "Person" means any individual, partnership, company, association, society, corporations or other group or entity.

E. "Property" means any vacant lot or parcel of land, located within Ulster Township, intended for human occupancy, habitation, or business use for which a building permit is sought.

F. "Water System" means the water supply system owned by the Authority including the existing water works, water supply works and water distribution system facilities, together with all appurtenant facilities and properties, including all property, real, personal and mixed, rights, powers, licenses, easements, rights of way, privileges, franchises and other property or interests in property of whatsoever nature used or useful in connection with all such facilities and together with all additions, extensions, alterations, improvements and betterments thereof or thereto which may be made, installed or acquired, from time to time, by or for the Authority.

ARTICLE II
USE OF THE PUBLIC WATER SYSYEM REQUIRED

SECTION 2.01. – The owner of any vacant lot or parcel of land intended (a) for human occupancy, habitation, or business purposes (b) for which a building permit is sought, and (c) which has a property line within one hundred and fifty (150) feet of a public water main shall be required to connect to the Water System in such manner as this Township or Authority shall require, within ninety (90) days after notice to such owner from this Authority or Township to make such connection.

SECTION 2.02. – The notice by this Authority or Township to make a connection to the Water System, referred to in Section 2.01, shall consist of a copy of this Ordinance, including any amendments and/or supplements at the time in effect, or a summary of each Section thereof and a written or printed document requiring the connection in accordance with the provisions of this Ordinance and specifying that such connection shall be made within ninety (90) days from the date such notice is given. Such notice shall be given within sixty (60) days after a building permit is sought. Such notice shall be served upon the owner in accordance with law.

ARTICLE III
CONNECTION

SECTION 3.01. No person shall uncover, connect with, make any opening into or use, alter or disturb, in any manner, any water main constituting a part of the Water System without the prior written consent of the Authority.

SECTION 3.02. The Authority shall make all connections to its water mains. Upon the payment of the required tap-in fee (if applicable), the Authority will tap the water main, install a service line, cock, and curb stop, all of which facilities shall be and shall remain the property of the Authority and shall be maintained by the Authority.

SECTION 3.03. All service lines from the curb stop to the structure (and through the wall of the structure and housing facility for the meter) shall be owned, installed, and maintained by the Owner of the Property to be served, at his own expense, shall be of pipe approved by the Authority and shall be kept in good repair at the expense of the Owner of the Property to be served. No service line or other connection facility between the curb stop and the structure to be served shall be covered up in the process of installation until inspected and approved by the Authority. If any service line or other connection facility is covered before being so inspected and approved, it shall be uncovered for inspection at the cost and expense of the Owner of the Property.

SECTION 3.04. The size of the service connection from the water main to the curb stop as may be necessary to serve adequately the Property and the location of such service connection shall be determined by the Authority. If any person shall request a service connection of a greater capacity than that determined by the Authority to be adequate, or if any such person shall request that a service connection be located in a location different than that determined by the Authority, the Authority, in their discretion, may install such service connection in accordance with the request of such person.

SECTION 3.05. When it is necessary to replace an existing service connection from the water main to the curb stop, the Authority will provide for the replacement of said service connection in the same location as the old service connection; provided, however, that if the Owner of the particular Property, for his own convenience, desires the new service connection at some other location and agrees to pay to the Authority all expenses of cutting off the old service connection at the water main and any other additional expenses incurred by the Authority in complying with said request, then the Authority will install the new service connection at the location desired, if said location is approved by the Authority.

SECTION 3.06. No private wells may be connected to the System. Additionally, only individuals properly authorized by the Authority shall be permitted to make service line and service connection installations.

SECTION 3.07. Upon connection to the Water System, any existing private wells used for potable water shall be abandoned and disconnected. Private wells that are utilized for non-potable purposes may be retained if approved by the Township or Authority.

SECTION 3.08. This Township reserves the right to adopt, from time to time, additional rules and regulations as it shall deem necessary and proper relating to connections with the Water System, which additional rules and regulations, to the extent appropriate, shall be and shall be constructed as part of this Ordinance.

ARTICLE IV
ENFORCEMENT

SECTION 4.01. Any person who shall violate this Ordinance shall be liable, upon summary conviction for a first offense and upon summary conviction for each subsequent offense, to a fine in an amount permitted by law, together with costs of prosecution and attorneys' fees, in each case. Each day that a violation shall continue shall be deemed and shall be construed to be a separate offense and shall be punishable as such.

ARTICLE V
EFFECTIVE DATE

SECTION 5.01. This Ordinance shall become effective as provided by law.

ARTICLE VI
SEVERABILITY

SECTION 6.01. In the event that any provision, section, sentence, clause, or part of this Ordinance shall be held to be invalid, such invalidity shall not affect or impair any remaining provision, section, sentence, clause or part of this Ordinance. It is the intent of the Township that such remainder of this Ordinance shall be and shall remain in full force and effect.

ARTICLE VII
DECLARATION OF PURPOSE

SECTION 7.01. It is declared that enactment of this Ordinance is necessary for the protection, benefit and preservation of the health, safety and welfare of the inhabitants of this Township.

ARTICLE VIII
REPEALER

SECTION 8.01. All ordinances or parts of ordinances inconsistent with this Ordinance shall be and the same expressly repealed.

This Ordinance shall become effective five (5) days after the adoption hereof.

ENACTED AND ORDAINED into law by the Township of Ulster, Bradford County, Pennsylvania, this 10th day of November, 2025.

SUPERVISORS:

Reed Bidlack

Jerry Slater

Jeff Lenox

ATTEST BY:

Secretary

****

Exhibit E

Aqua Pro Forma Tariff Supplement

****

AQUA PENNSYLVANIA, INC.
(hereinafter referred to as the "Company")

RATES, RULES, AND REGULATIONS

GOVERNING THE DISTRIBUTION AND SALE OF

WATER SERVICE

IN PORTIONS OF

ADAMS, BERKS, BRADFORD, BUCKS, CARBON, CHESTER, CLARION, CLEARFIELD, COLUMBIA, CRAWFORD, CUMBERLAND, DELAWARE, FOREST, JUNIATA, LACKAWANNA, LAWRENCE, LEHIGH, LUZERNE, MERCER, MCKEAN, MONROE, MONTGOMERY, NORTHHAMPTON, NORTHUMBERLAND, PIKE, SCHUYLKILL, SUSQUEHANNA, SNYDER, VENANGO, WARREN, WAYNE, AND WYOMING COUNTIES

IN THE COMMONWEALTH OF PENNSYLVANIA

ISSUED: XX/XX/XXXX

EFFECTIVE: XX/XX/XXXX

By:
Marc Lucca, President
Aqua Pennsylvania, Inc.
762 Lancaster Avenue
Bryn Mawr, Pennsylvania 19010

NOTICE

THIS TARIFF ESTABLISHES WATER RATES FOR THE CUSTOMERS OF ULSTER TOWNSHIP IN BRADFORD COUNTY, PENNSYLVANIA.

LIST OF CHANGES MADE BY THIS TARIFF

Changes: This tariff makes changes to reflect the acquisition of the water assets of the Ulster Municipal Authority, which services Ulster Township in Bradford County, Pennsylvania. Closing on the acquisition took place on xx/xx/202x, with the effective date of ownership occurring on xx/xx/202x. (See page 12.9)

This tariff is made pursuant to the Commission's Order adopted xx/xx/202x at Docket No. A-xxxx-xxxxxxx, which authorizes the issuance of the Certificate of Public Convenience.

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Description of Territory Served (cont'd)	10	XXXX Revised	(C)
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DESCRIPTION OF TERRITORIES SERVED

RATE ZONE 2 – All territories subject to Rate Zone 2 rates unless otherwise noted

Chalfont Division
The Township of New Britain in Bucks County

Concord Park Division
The Township of Bensalem in Bucks County

Superior Division
The Townships of Washington in Berks County, North Coventry in Chester County, and Douglass, New Hanover, Lower Pottsgrove, Upper Frederick, Upper Pottsgrove, and Worcester in Montgomery County

Treasure Lake Division
The Township of Sandy in Clearfield County

RATE ZONE 3 – All territories subject to Rate Zone 3 rates unless otherwise noted

Oakland Beach Division
The Townships of Sadsbury and Summit in Crawford County

CS Water (Masthope) Division
The Township of Lackawaxen in Pike County

Eagle Rock Division
The Townships of Black Creek and Hazle in Luzerne County, Tobyhanna in Monroe County, and East Union and North Union in Schuylkill County

BUNKER HILL DIVISION
The Township of Clinton in Wyoming County

PHOENIXVILLE DIVISION
A portion of Upper Providence Township in Montgomery County and portions of East Pikeland and Schuylkill Townships in Chester County

ULSTER DIVISION
The Township of Ulster in Bradford County

The rates under this schedule apply to all customer classes in the territories served subject to the Ulster Division as noted in the Description of Territories Served section under this tariff unless otherwise specifically identified below.

MONTHLY SERVICE CHARGE

Water Base Charge ($)	Ulster Division
Water Base Charge:	$42.87

MONTHLY CONSUMPTION CHARGE : Rate Per 1,000 Gallons

	Ulster Division	
Water Consumption Rate:	$19.60	per 1,000 gallons

The DSIC surcharge shall not be applied to bills of water customers in the Ulster Division; this will remain effective until an amended Long-Term Infrastructure Improvement Plan (LTIIP) is filed and approved which includes Ulster. Following the approval of an amended LTIIP, the DSIC surcharge shall be applicable to water customers in the Ulster Division.

****

Exhibit F

UMA Annual Financial Reports 2023 and 2024

****

Larson, Kellett & Associates, P.C.
Certified Public Accountants and Consultants

Authority Members
Ulster Municipal Authority
Ulster, Pennsylvania:

We have audited the modified cash basis financial statements of Ulster Municipal Authority (Authority) for the year ended December 31, 2023. Professional standards require that we provide you with information about our responsibilities under auditing standards generally accepted in the United States of America and *Government Auditing Standards*, as well as certain information related to the planned scope and timing of our audit. We have communicated such information in our letter to you dated February 27, 2024. Professional standards also require that we communicate to you the following information related to our audit.

Significant Audit Matters

Qualitative Aspects of Accounting Practices

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by the Authority are described in Note 1 to the financial statements. No new accounting policies were adopted and the application of existing policies was not changed during the year ended December 31, 2023. We noted no transactions entered into by the Authority during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected. The Authority did not make any sensitive estimates that affected the financial statements during the year ended December 31, 2023.

The financial statement disclosures are neutral, consistent, and clear.

Difficulties Encountered in Performing the Audit

We encountered no significant difficulties in dealing with management in performing and completing our audit.

Corrected and Uncorrected Misstatements

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are clearly trivial, and communicate them to the appropriate level of management. Management has corrected all such misstatements.

40 Choate Circle • Montoursville, PA 17754 Phone: (570) 368-2941 • Fax: (570) 368-3172

In addition, none of the misstatements detected as a result of audit procedures and corrected by management were material, either individually or in the aggregate, to the financial statements taken as a whole.

Disagreements with Management

For purposes of this letter, a disagreement with management is a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditors' report. We are pleased to report that no such disagreements arose during the course of our audit.

Management Representations

We have requested certain representations from management that are included in the management representation letter dated June 10, 2024.

Management Consultations with Other Independent Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a "second opinion" on certain situations. If a consultation involves application of an accounting principle to the Authority's financial statements or a determination of the type of auditor's opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

Other Audit Findings or Issues

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as the Authority's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

Restriction on Use

This information is intended solely for the information and use of Authority Members and management of Ulster Municipal Authority and is not intended to be, and should not be, used by anyone other than these specified parties.

Larson, Kellett & Associates, P.C.

Montoursville, Pennsylvania
June 10, 2024

ULSTER MUNICIPAL AUTHORITY
FINANCIAL STATEMENTS
FOR THE YEARS ENDED
DECEMBER 31, 2023 AND 2022

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Larson, Kellett & Associates, P.C.
Certified Public Accountants and Consultants

INDEPENDENT AUDITORS' REPORT

Authority Members
Ulster Municipal Authority
Ulster, Pennsylvania:

Report on the Audit of the Financial Statements

Opinions

We have audited the accompanying modified cash basis financial statements of Ulster Municipal Authority (Authority), a component unit of the Township of Ulster, Pennsylvania, as of and for the years ended December 31, 2023 and 2022, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the modified cash basis financial position of the Authority, as of December 31, 2023 and 2022, and the changes in modified cash basis financial position, and cash flows thereof for the year then ended in accordance with the modified cash basis of accounting described in Note 1.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Authority and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Emphasis of Matter - Basis of Accounting

We draw attention to Note 1 of the financial statements, which describes the basis of accounting. The financial statements are prepared on the modified cash basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

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Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with the modified cash basis of accounting described in Note 1; and for determining that the modified cash basis of accounting is an acceptable basis for the preparation of the financial statements in the circumstances. Management is also responsible for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with generally accepted auditing standards and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, no such opinion is expressed.

- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.

- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Authority's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated June 10, 2024, on our consideration of the Authority's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Authority's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Authority's internal control over financial reporting and compliance.

Larson, Kellett & Associates, P.C.

Montoursville, Pennsylvania
June 10, 2024

ULSTER MUNICIPAL AUTHORITY
PROPRIETARY FUND
STATEMENTS OF NET POSITION - MODIFIED CASH BASIS
DECEMBER 31, 2023 AND 2022

	2023	2022
ASSETS		
CURRENT ASSETS,		
Cash and cash equivalents	$ 72,883	$ 111,506
NONCURRENT ASSETS,		
Capital assets, net	2,330,356	2,380,260
TOTAL ASSETS	$ 2,403,239	$ 2,491,766
LIABILITIES AND NET POSITION		
CURRENT LIABILITIES:		
Customer deposits	$ 10,550	$ 9,694
Payroll tax withholdings	1,027	1,022
Current portion of noncurrent liabilities	87,326	86,458
Total current liabilities	98,903	97,174
NONCURRENT LIABILITIES,		
Note payable, net of current portion	534,931	622,256
Total liabilities	633,834	719,430
NET POSITION:		
Net investment in capital assets	1,708,099	1,671,546
Unrestricted	61,306	100,790
Total net position	1,769,405	1,772,336
TOTAL LIABILITIES AND NET POSITION	$ 2,403,239	$ 2,491,766

See Notes to Basic Financial Statements

ULSTER MUNICIPAL AUTHORITY
PROPRIETARY FUND
STATEMENTS OF REVENUES, EXPENSES AND CHANGE IN NET POSITION -
MODIFIED CASH BASIS
FOR THE YEARS ENDED DECEMBER 31, 2023 AND 2022

	2023	2022
OPERATING REVENUES,		
Charges for services	$ 159,274	$ 154,900
OPERATING EXPENSES:		
Depreciation	69,694	68,187
Payroll and payroll taxes	17,553	16,745
Repairs and maintenance	9,806	14,139
Professional fees	6,564	5,954
Utilities	17,213	14,600
Lab	5,560	4,240
Contracted services	11,730	4,818
Office	3,124	2,522
Supplies	11,522	6,005
Credit card fees	90	42
Licenses and permits	500	3,100
Mileage	318	101
Dues and subscriptions	562	940
Insurance	269	269
Total operating expenses	154,505	141,662
OPERATING INCOME	4,769	13,238
NONOPERATING REVENUE (EXPENSE):		
Interest income	250	214
Interest expense	(6,768)	(7,576)
Loss on disposal of capital assets	(1,182)	
Total nonoperating expense, net	(7,700)	(7,362)
CHANGE IN NET POSITION	(2,931)	5,876
NET POSITION, BEGINNING	1,772,336	1,766,460
NET POSITION, ENDING	$ 1,769,405	$ 1,772,336

See Notes to Basic Financial Statements

ULSTER MUNICIPAL AUTHORITY
PROPRIETARY FUND
STATEMENTS OF CASH FLOWS - MODIFIED CASH BASIS
FOR THE YEARS ENDED DECEMBER 31, 2023 AND 2022

	2023	2022
CASH FLOWS FROM OPERATING ACTIVITIES:		
Cash received from users	$160,130	$ 155,070
Payments to employees for services	(17,548)	(16,587)
Payments to suppliers and others for goods and services	(67,258)	(56,730)
Net cash provided by operating activities	75,324	81,753
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:		
Repayment of note payable	(86,457)	(85,598)
Interest paid	(6,768)	(7,576)
Purchase of capital assets	(20,972)	(10,710)
Payments on obligation under capital lease		(348)
Net cash used by capital and related financing activities	(114,197)	(104,232)
CASH PROVIDED BY INVESTING ACTIVITIES,		
Interest income	250	214
NET DECREASE IN CASH AND CASH EQUIVALENTS	(38,623)	(22,265)
CASH AND CASH EQUIVALENTS, BEGINNING	111,506	133,771
CASH AND CASH EQUIVALENTS, ENDING	$ 72,883	$ 111,506
RECONCILIATION OF OPERATING INCOME TO NET CASH PROVIDED BY OPERATING ACTIVITIES:		
Operating income	$ 4,769	$ 13,238
Adjustments to reconcile operating income to net cash provided by operating activities:		
Depreciation	69,694	68,187
Change in:		
Customer deposits	856	170
Payroll tax withholdings	5	158
NET CASH PROVIDED BY OPERATING ACTIVITIES	$ 75,324	$ 81,753

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

The financial statements of Ulster Municipal Authority (Authority) have been prepared in conformity with the modified cash basis of accounting which is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America as applied to governmental entities. The most significant of the Authority's accounting policies are described below.

Financial Reporting Entity

The Authority was incorporated in 1965 under the provisions of the Municipality Authorities Act of 1945. The Authority was established by the Township of Ulster, Pennsylvania (Township) to operate a water system for the Township.

In evaluating how to define the Authority for financial reporting purposes, management has considered all potential component units. The criterion for including a potential component unit within the reporting entity is the significance of their operational or financial relationship with the Authority. Based upon the application of this criterion, the reporting entity will consist solely of the accounts and funds of the Authority.

The Authority is considered a component unit of the Township because the Township is financially accountable for the Authority and appoints the Authority's board members.

Basis of Presentation, Fund Accounting, Basis of Accounting and Measurement Focus - Proprietary Fund

The Authority's financial statements are prepared using the economic resources measurement focus and the modified cash basis of accounting. The accounting objectives of this measurement focus are the determination of operating income, changes in net position and financial position. All assets and liabilities (whether current or noncurrent, financial or nonfinancial) associated with their activities are reported. The modified cash basis of accounting recognizes assets, liabilities, net position, revenues and expenses when they result from cash transactions and recognition of capital assets and related depreciation, customer deposits, note payable and capital lease. This basis of accounting is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America.

Proprietary funds distinguish operating revenues and expenses from nonoperating revenues and expenses. Operating revenues generally result from providing services and producing and delivering goods in connection with a proprietary fund's principle ongoing operations. Operating expenses for the proprietary fund includes the cost of personnel and contracted services, repairs, supplies, utilities, lab, licenses and permits, and depreciation of capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

Budgetary Procedures and Budgetary Accounting

The Authority Board adopts an annual budget for the Proprietary Fund. The annual budget for the Proprietary Fund is prepared in accordance with the modified cash basis of accounting.

Capital Assets and Depreciation

Capital assets include land, water system and lines and equipment. Capital assets are valued at historical cost. The Authority defines capital assets as assets which have an original cost of $1,000 or more and an estimated useful life in excess of one year. Repairs and maintenance are recorded as expenses. Renewals and betterments are capitalized.

Capital assets of the Authority are depreciated using the straight-line method over the following estimated useful lives:

Water system and lines	10-50 years
Equipment	5-20 years

Leasing

The Authority leases equipment under a capital lease arrangement (See Note 5).

Fair Value of Financial Instruments

The Authority's financial instruments consist of cash and cash equivalents, note payable and capital lease. The carrying value of these financial instruments approximates their fair value at December 31, 2023 and 2022.

Net Position

Net position represents the difference between assets and liabilities. Net investment in capital assets, consists of capital assets, net of accumulated depreciation, reduced by the outstanding balances of any borrowings used for the acquisition, construction or improvement of those assets. Net position is reported as restricted when there are limitations imposed on its use either through the enabling legislation adopted by the Authority or through external restrictions imposed by creditors, grantors, laws or regulations of other governments. Restricted resources are used before unrestricted resources to fund appropriations.

Cash Flows

For purposes of the statements of cash flows, the Authority considers all highly liquid investments with an original maturity of three months or less to be cash and cash equivalents.

Use of Estimates

The preparation of financial statements in conformity with the modified cash basis of accounting requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

Recent Accounting Pronouncements

Governmental Accounting Standards Board (GASB) issued the following statements:

- GASB statement No. 100, *Accounting changes and error corrections - an amendment of GASB Statement No. 62*, effective for fiscal years beginning after June 15, 2023.
- GASB statement No. 102, *Certain Risks Disclosures*, effective for fiscal years beginning after June 15, 2024.

The Authority has not yet determined the effect, if any, on the financial statements due to the adoption of these statements.

2. DESCRIPTION OF PRINCIPAL BUSINESS ACTIVITY AND CONCENTRATION OF CREDIT RISK:

The Authority operates a water distribution system in the Township. The Authority's receipts result from charges to residents who are located in the geographic boundaries of the Township. Consequently, the ability of each of the Authority's customers to honor their obligations to the Authority is dependent upon economic and other factors affecting this area.

3. CASH AND CASH EQUIVALENTS:

Custodial Credit Risk

Custodial credit risk is the risk that in the event of a bank failure, the Authority's deposits may not be returned. The Authority does not have a policy for custodial credit risk. As of December 31, 2023 and 2022, none of the Authority's bank balance of $73,026 and $113,662 respectively, was exposed to custodial credit risk:

	2023	2022
Reconciliation to Financial Statements		
Insured amount	$73,026	$113,662
Plus deposits in transit	354	316
Less outstanding checks	500	2,476
Petty cash	3	4
Total cash and cash equivalents per financial statements	$72,883	$111,506

4. CAPITAL ASSETS:

A summary of changes in capital assets is as follows:

	Balance January 1, 2023	Additions	Retirements	Balance December 31, 2023
Capital assets, not being depreciated, Land	$ 42,355			$ 42,355

	Balance January 1, 2023	Additions	Retirements	Balance December 31, 2023
Capital assets, being depreciated:				
Water system and lines	$3,172,965			$3,172,965
Equipment	155,533	$ 20,972	$1,255	175,250
Total capital assets, being depreciated	3,328,498	20,972	1,255	3,348,215
Less accumulated depreciation:				
Water system and lines	876,701	61,077		937,778
Equipment	113,892	8,617	73	122,436
Total accumulated depreciation	990,593	69,694	73	1,060,214
Total capital assets, being depreciated, net	2,337,905	(48,722)	1,182	2,288,001
Capital assets, net	$2,380,260	$(48,722)	$ 1,182	$2,330,356

	Balance January 1, 2022	Additions	Retirements	Balance December 31, 2022
Capital assets, not being depreciated,				
Land	$ 42,355			$ 42,355
Capital assets, being depreciated:				
Water system and lines	3,172,965			3,172,965
Equipment	144,823	$ 10,710		155,533
Total capital assets, being depreciated	3,317,788	10,710		3,328,498
Less accumulated depreciation:				
Water system and lines	815,625	61,076		876,701
Equipment	106,781	7,111		113,892
Total accumulated depreciation	922,406	68,187		990,593
Total capital assets, being depreciated, net	2,395,382	(57,477)		2,337,905
Capital assets, net	$2,437,737	$(57,477)	$	$2,380,260

Depreciation expense for the years ended December 31, 2023 and 2022 totaled $69,694 and $68,187, respectively.

5. NONCURRENT LIABILITIES:

The following is a summary of changes in noncurrent liabilities for the year ended December 31, 2023 and 2022:

	Balance January 1, 2023	Additions	Reductions	Balance December 31, 2023	Amounts Due Within One Year
Note payable	$708,714	$ -	$86,457	$622,257	$87,326

	Balance January 1, 2022	Additions	Reductions	Balance December 31, 2022	Amounts Due Within One Year
Note payable	$794,312		$85,598	$708,714	$86,458
Obligation under capital lease	348		348		
Total	$794,660	$ -	$85,946	$708,714	$86,458

At December 31, 2023 and 2022, note payable consists of the following:

	2023	2022
Pennsylvania Infrastructure Investment Authority Note, due in monthly installments of $7,762 including interest at 1% per annum through November 2030.	$622,257	$708,714

The annual requirements to amortize the note payable at December 31, 2023 are as follows:

	Principal	Interest	Total
2024	87,326	5,823	93,149
2025	88,203	4,946	93,149
2026	89,090	4,059	93,149
2027	89,985	3,164	93,149
2028	90,889	2,260	93,149
2029 - 2030	176,764	1,774	178,538
Total	$622,257	$22,026	$644,283

The Authority has assigned and pledged all the revenues from the water system as security for the outstanding note.

The Authority leases equipment under the terms of a capital lease. The economic substance of the lease is that the Authority is financing the acquisition of equipment through this lease. The lease was paid in full during the year ended December 31, 2022.

During the years ended December 31, 2023 and 2022, interest cost of $6,768 and $7,576, respectively, were incurred and recorded in the accompanying statements of revenues, expenses and change in net position - modified cash basis. No interest costs were capitalized during either of the years ended December 31, 2023 and 2022.

6. CONTINGENT LIABILITIES:

Grants

The Authority participates in federal and state assisted grant programs. Subsequent audits may disallow expenditures financed by government grant programs. It is the opinion of management that requests for reimbursement, if any, by either federal or state governments based on subsequent audits will not be material in relation to the Authority's financial statements as of December 31, 2023.

Risk Management

The Authority is exposed to various risks of losses related to torts, theft of, damage to and destruction of assets, errors, and omissions, and natural disasters. It is the policy of the Authority to purchase commercial insurance for the risks of loss to which it is exposed. Settled claims resulting from these risks have not exceeded commercial insurance coverage in any of the past three years.

7. SUBSEQUENT EVENTS:

Subsequent events have been evaluated through June 10, 2024, which is the date the financial statements were available to be issued.

Condition: The responsibility for the performance of accounting duties is vested in one employee.

Cause: The Authority employs only a single individual to perform all accounting functions.

Effect: Without proper segregation of duties, intentional or unintentional errors could occur and not be detected.

Recommendation: While it is advisable to have adequate segregation of duties among employees, the cost of such implementation must be weighed against the benefits to be derived. The cost that would result from increasing the number of employees to more fully segregate duties in your organization may greatly exceed any internal control benefits to be derived. This weakness is somewhat mitigated by the involvement of a member of the Authority Board of Directors who receives and opens the bank statements and reviews them for any unusual checks or other transactions before giving them to the person responsible for preparing the bank reconciliations. This weakness is also somewhat mitigated by having the Authority Board Members continue to review and approve the monthly bank reconciliations.

Views of Responsible Officials: Management concurs.

Corrective Action Plan: The chairman of the Board will continue to review and approve the bank statements and reconciliations. Additionally, the Board will continue to approve the reconciliation at its monthly meeting.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Authority's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards.*

Authority's Response to Finding

Government Auditing Standards require the auditor to perform limited procedures on the Authority's response to the finding identified in our audit and described above. The Authority's response was not subjected to the other auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on the response.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Larson, Kellett & Associates, P.C.

Montoursville, Pennsylvania
June 10, 2024

Larson, Kellett & Associates, P.C.
Certified Public Accountants and Consultants

INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

Authority Members
Ulster Municipal Authority
Ulster, Pennsylvania:

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the modified cash basis financial statements of Ulster Municipal Authority (Authority), a component unit of the Township of Ulster, Pennsylvania, as of and for the year ended December 31, 2023, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements and have issued our report thereon dated June 10, 2024.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Authority's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control.

A *deficiency in internal control* exits when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that have not been identified. We identified a deficiency in internal control, described below that we consider to be a material weakness.

Segregation of Duties

Criteria: Adequate segregation of duties between accounting functions is essential for effective internal control.

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Larson, Kellett & Associates, P.C.
Certified Public Accountants and Consultants

INDEPENDENT AUDITORS' REPORT

Authority Members
Ulster Municipal Authority
Ulster, Pennsylvania

Opinions

We have audited the accompanying modified cash basis Statement of Net Position, Statement of Revenues, Expenses, and Changes in Net Position, Statement of Fiduciary Net Position, Statement of Changes in Fiduciary Net Position, and Debt Statement - regulatory basis, as of and for the year ended December 31, 2023 included in the 2023 Annual Report of Municipal Authorities and Non-Profits (Schedules) of the Ulster Municipal Authority (Authority).

Unmodified Opinion on Regulatory Basis of Accounting

In our opinion, the Schedules referred to above present fairly, in all material respects, the regulatory basis financial position of the Authority as of December 31, 2023, and the regulatory results of its operations for the year then ended in accordance with the financial reporting provisions described in the instructions provided by Pennsylvania Department of Community and Economic Development (DCED).

Adverse Opinion on U.S. Generally Accepted Accounting Principles

In our opinion, because of the significance of the matter discussed in the "Basis for Adverse Opinion on U.S. Generally Accepted Accounting Principles" section of our report, the Schedules referred to above do not present fairly, in accordance with accounting principles generally accepted in the United States of America, the financial position of the Authority as of December 31, 2023, and the results of its operations for the year then ended.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Authority and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Basis for Adverse Opinion U.S. Generally Accepted Accounting Principles

To meet the financial reporting requirements of the Commonwealth of Pennsylvania, the Schedules are prepared by the Authority on the basis of the instructions provided by the DCED, which is a basis of accounting other than accounting principles generally accepted in the United States of America. These requirements permit the Schedules to be prepared without financial statement disclosures, without cash flows, without component unit financial information, without government-wide financial statements, without Management's Discussion and Analysis, without budgetary comparisons.

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The effects on the Schedules of the variances between the regulatory basis of accounting described above and accounting principles generally accepted in the United States of America, although not reasonably determinable, are presumed to be material and pervasive.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of these Schedules in accordance with the financial reporting provisions as described in the instructions provided by the DCED to meet filing requirements in Pennsylvania, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of Schedules that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Authority's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control - related matters that we identified during the audit.

Larson, Kellett & Associates, P.C.

Montoursville, Pennsylvania
June 10, 2024

DCED-CLGS-04

Received by DCED: 06/12/2024
Approved by DCED:

Department of Community & Economic Development
Governor's Center for Local Government Services
Commonwealth Keystone Building
400 North Street, 4th Floor
Harrisburg, PA 17120-0225
Ph: 888-223-6837 | fax: 717-783-1402

2023 ANNUAL REPORT OF MUNICIPAL AUTHORITIES AND NON-PROFITS

ULSTER MUNICIPAL AUTHORITY 080968

MUNICIPAL AUTHORITY INFORMATION

Information on file

Name:	ULSTER MUNICIPAL AUTHORITY
Address:	P.O. BOX 157
	ULSTER, PA 18850
Phone:	(570) 358-3555
Fax:	
Contact Person:	FRANKLIN D. WALKER
Title:	CHAIRMAN
Email:	ULSTERWATERAUTHORITY@CABLERACER.COM
Year Authority Organized	1965
Year Authority Terminates	2059
Fiscal Year Ends (month/day):	12/31
Number of Employees	
Full Time Equivalent:	0
Part Time Equivalent:	7
Filing Status:	Active

Facility Type:

Water

DCED-CLGS-04

ULSTER MUNICIPAL AUTHORITY

AUTHORITY OFFICIALS LIST

President	FRANKLIN WALKER
Address:	P.O. BOX 157
	ULSTER, PA 18850
Phone:	(570) 358-3555
Fax:	
e-mail:	

Secretary	JANETTE HOLDREN
Address:	P.O. BOX 157
	ULSTER, PA 18850
Phone:	(570) 358-3555
Fax:	
e-mail:	ULSTERWATERAUTHORITY@CABLERACER.COM

Treasurer	JANETTE HOLDREN
Address:	P.O. BOX 157
	ULSTER, PA 18850
Phone:	(570) 358-3555
Fax:	
e-mail:	

Solicitor	N/A
Address:	P.O. BOX 157
	ULSTER, PA 18850
Phone:	(570) 358-3555
Fax:	
e-mail:	

DCED-CLGS-04

ULSTER MUNICIPAL AUTHORITY

GEOGRAPHICAL AREAS SERVED

Municipality Name	County
ULSTER TWP	BRADFORD

DCED-CLGS-04

ULSTER MUNICIPAL AUTHORITY

STATEMENT OF NET POSITION
FOR THE FISCAL YEAR ENDING 2023

CURRENT ASSETS	
Cash and cash equivalents	72,883
Investments	
Receivables (net of allowance for uncollectibles)	
Lease rental payments receivable (Financing authorities, only)	
Due from other governments	
Inventories	
Prepaids	
Restricted current assets:	
Cash or cash equivalents	
Investments	
Lease rental payments receivable (Financing authorities, only)	
Intergovernmental receivables	
Other current assets	
TOTAL CURRENT ASSETS	72,883

NON-CURRENT ASSETS	
Restricted non-current assets:	
Investments	
Lease rental payments receivable (Financing authorities, only)	
Capital assets not being depreciated:	
Land	42,355
Construction in progress	
Capital assets net of accumulated depreciation:	
Buildings and system	
Improvements other than buildings	
Furnishings, machinery and equipment	52,814
Infrastructure	2,235,187
Lease rental payments receivable (Financing authorities, only)	
Other non-current assets	
TOTAL NON-CURRENT ASSETS	2,330,356
TOTAL ASSETS	2,403,239

DEFERRED OUTFLOWS OF RESOURCES	
Deferred amount of debt refundings	
Deferrals related to pensions	
Other deferred outflows of resources	
TOTAL DEFERRED OUTFLOWS OF RESOURCES	0
TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES	2,403,239

CURRENT LIABILITIES	
Accounts payable	
Accrued payroll and withholdings	1,027
Accrued interest payable	
Due to other governments	
Unearned revenue	
Funds held as fiduciary	
Debt due within one year	87,326
Other current liabilities	10,550
TOTAL CURRENT LIABILITIES	98,903

NON-CURRENT LIABILITIES	
Debt due in more than one year	534,931
Net pension liabilities	
Other non-current liabilities	
TOTAL NON-CURRENT LIABILITIES	534,931
TOTAL LIABILITIES	633,834

DEFERRED INFLOWS OF RESOURCES	
Deferred amount on debt refundings	
Deferrals related to pensions	
Other deferred inflows of resources	
TOTAL DEFERRED INFLOWS OF RESOURCES	0
TOTAL LIABILITIES AND DEFERRED INFLOWS OF RESOURCES	633,834

NET POSITION	
Net investment in capital assets	1,708,099
Restricted	
Unrestricted	61,306
TOTAL NET POSITION	1,769,405
TOTAL LIABILITIES AND DEFERRED INFLOWS OF RESOURCES AND NET POSITION	2,403,239

DCED-CLGS-04

ULSTER MUNICIPAL AUTHORITY

Water

STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION FOR THE FISCAL YEAR ENDING 2023

WATER OPERATING REVENUES	
Charges for service	159,274
Lease rental income (Financing authorities, only)	
Operating grants:	
Federal	
State	
Local	
Other	
Contributions	
Interest income	
Assessment revenue*	
Payments in lieu of assessments*	
Program income*	
Other operating revenue	
TOTAL WATER OPERATING REVENUES	159,274

WATER OPERATING EXPENSES	
Administrative	269
Contracted services	18,294
Personnel services	17,553
Supplies and materials	20,206
Repairs and maintenance	9,806
Utilities	17,213
Other services and charges	1,470
Depreciation and amortization	69,694
Fundraising*	
Program services*	
Other operating expenses	
TOTAL WATER OPERATING EXPENSES	154,505
WATER OPERATING INCOME (LOSS)	4,769

WATER NONOPERATING REVENUES / (EXPENSES)	
Nonoperating grants:	
Federal	
State	

Local	
Other	
Investment earnings / (losses)	250
Interest expense	(6,768)
Gain / (loss) on sale of assets	(1,182)
Other financing sources / (uses)	
Other nonoperating revenues	
Other nonoperating (expenses)	
Debt service principal and interest (expense)**	
TOTAL WATER NONOPERATING REVENUES (EXPENSES)	(7,700)

CAPITAL CONTRIBUTIONS	
CHANGE IN NET POSITION	(2,931)
NET POSITION - BEGINNING OF YEAR	1,772,336
PRIOR PERIOD ADJUSTMENT	
WATER NET POSITION - END OF YEAR	1,769,405

*Business/Neighborhood Improvement Districts
**see the Authorities and Non-Profits Annual Financial Report Tip Sheet available from your Start Page.

DCED-CLGS-04

ULSTER MUNICIPAL AUTHORITY

STATEMENT OF FIDUCIARY NET POSITION
FOR THE FISCAL YEAR ENDING 2023

ASSETS		
	Trust Funds	Custodial Funds
Cash and cash equivalents		
Receivables		
Investments, at fair value		
Restricted assets:		
Temporarily restricted:		
Cash, or cash equivalents		
Investments		
Intergovernmental receivables		
Permanently restricted:		
Investments		
Other assets		
TOTAL ASSETS	0	0

DEFERRED OUTFLOWS OF RESOURCES		
	Trust Funds	Custodial Funds
Other deferred outflows of resources		
TOTAL DEFERRED OUTFLOWS OF RESOURCES	0	0
TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES	0	0

LIABILITIES		
	Trust Funds	Custodial Funds
Accounts payable and other current liabilities		
Due to other governments		
Unearned revenue		
Debt due within one year		
Other liabilities		
TOTAL LIABILITIES	0	0

DEFERRED INFLOWS OF RESOURCES		
	Trust Funds	Custodial Funds
Other deferred inflows of resources		
TOTAL DEFERRED INFLOWS OF RESOURCES	0	0
TOTAL LIABILITIES AND DEFERRED INFLOWS OF RESOURCES	0	0

NET POSITION		
	Trust Funds	Custodial Funds
Assets held in trust for pension/other postemployment benefits		
Other		
TOTAL NET POSITION	0	0
TOTAL LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION	0	0

DCED-CLGS-04

ULSTER MUNICIPAL AUTHORITY

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION
FOR THE FISCAL YEAR ENDING 2023

ADDITIONS		
Contributions		
	Trust Funds	**Custodial Funds**
Employer		
Plan members		
Private donations		
Other		
TOTAL CONTRIBUTIONS	0	0
Investment Earnings		
	Trust Funds	**Custodial Funds**
Interest		
Net increase / (decrease) in the fair value of investments		
Other		
TOTAL INVESTMENT EARNINGS	0	0
	Trust Funds	**Custodial Funds**
Less investment expenses		
TOTAL ADDITIONS	0	0
DEDUCTIONS		
	Trust Funds	**Custodial Funds**
Benefits		
Administrative expenses		
Other		
TOTAL DEDUCTIONS	0	0
NET POSITION		
	Trust Funds	**Custodial Funds**
CHANGE IN NET POSITION	0	0
NET POSITION - BEGINNING OF YEAR	0	0
PRIOR PERIOD ADJUSTMENT		
NET POSITION - END OF YEAR	0	0

DCED-CLGS-04

ULSTER MUNICIPAL AUTHORITY

DEBT STATEMENT
FISCAL YEAR ENDING 2023

Purpose	Issuance Type	Issue Year (YYYY)	Maturity Year (YYYY)	Original Amount of Issue	Outstanding Beginning of Year	Principal Incurred This Year	Principal Paid This Year	Current Year Accretion on Compound Interest Bonds	Outstanding at Year End
General Obligation Bonds and Notes									
Pennvest Loan	Note	2009	2030	1,765,360	708,714	0	86,457		$622,257

Total Bonds and Notes Outstanding	$622,257
Capitalized Lease Obligations	$0
Plus (Less) Unamortized Premium (Discount)	0
NET DEBT	$622,257

SIGNATURE AND VERIFICATION

I certify that the foregoing information is correct and complete for the 2023 municipal Authority's fiscal year.

Name: Thomas P. McMahon **Title:** Principal

Phone: (570) 368-2941

Client:	ULSTER MUNICIPAL AUTHORITY
Engagement:	2023 Audit - Ulster Municipal Authority
Current Period:	12/31/2023
Workpaper:	Adjusting Journal Entries

Account	Description	Workpaper Reference	Debit	Credit	Net Income Effect	Workpaper ID
AJE01						
Client entry to reclass A/R & Customer Deposits (No cash received until January 2024)						
2100	CUSTOMER DEPOSITS		100.00	0.00		
1100	ACCOUNTS RECEIVABLE		0.00	100.00		
Total			**100.00**	**100.00**	**0.00**	
AJE02						
Client entry to reclassify expenses (VUB Maintenance System Annual Fee)						
5078	VUB MAINTENANCE FEE		2,700.00	0.00		
5023	MEMBERSHIP DUES		0.00	2,700.00		
Total			**2,700.00**	**2,700.00**	**0.00**	
AJE03		PF-65B				
To reclass current portion of LTD for reporting purposes to tie to schedule (CLIENT DOES NOT NEED TO MAKE)						
2500	LOAN-PENNVEST		868.56	0.00		
2501	LOAN-PENNVEST - CURRENT PORTION		0.00	868.56		
Total			**868.56**	**868.56**	**0.00**	
AJE04						
To reclassify fixed assets.						
1501	EQUIPMENT		20,971.79	0.00		
1509	Blue White M-1 Peristaltic Meter		0.00	1,810.00		
5049	REPAIRS: EQUIPMENT REPAIRS		0.00	17,065.15		
5074	PLANT OPERATIONS: EQUIPMENT		0.00	2,096.64		
Total			**20,971.79**	**20,971.79**	**19,161.79**	
AJE05		K-1				
To record depreciation expense						
5500	DEPRECIATION		69,693.98	0.00		
1520	AD - WATER SYSTEM		0.00	61,076.89		
1521	A/D - EQUIPMENT		0.00	8,617.09		
Total			**69,693.98**	**69,693.98**	**(69,693.98)**	
AJE06						
To record loss on disposal of meter						
5600	GAIN/LOSS ON DISPOSAL OF ASSET		1,181.92	0.00		
1521	A/D - EQUIPMENT		73.22	0.00		
1501	EQUIPMENT		0.00	1,255.14		
Total			**1,255.14**	**1,255.14**	**(1,181.92)**	
GRAND TOTAL			**95,589.47**	**95,589.47**	**(51,714.11)**	

Book Asset Detail 1/01/23 - 12/31/23

FYE: 12/31/2023

Asset	dt	Property Description	Date In Service	Book Cost	Book Sec 179 Exp	c	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Book Value	Book Method	Book Period
Group: B													
2		RESERVOIR AND LAND	12/31/99	10,810.00	0.00		0.00	10,810.00	0.00	10,810.00	0.00	S/L	10.00
3		PUMPING AND PUR. SYS	12/31/99	6,280.99	0.00		0.00	6,280.99	0.00	6,280.99	0.00	S/L	10.00
4		SERVICE CONNECTIONS	1/01/00	3,017.34	0.00		0.00	3,017.34	0.00	3,017.34	0.00	S/L	10.00
5		SERVICE CONNECTIONS	1/01/01	1,378.72	0.00		0.00	1,378.72	0.00	1,378.72	0.00	S/L	10.00
6		SERVICE CONNECTIONS	1/01/02	2,434.03	0.00		0.00	2,434.03	0.00	2,434.03	0.00	S/L	10.00
7		SERVICE CONNECTIONS	1/01/03	1,478.94	0.00		0.00	1,478.94	0.00	1,478.94	0.00	S/L	10.00
8		SERVICE CONNECTIONS	1/01/04	5,009.33	0.00		0.00	5,009.33	0.00	5,009.33	0.00	S/L	10.00
9		SERVICE CONNECTIONS	1/01/05	3,350.38	0.00		0.00	3,350.38	0.00	3,350.38	0.00	S/L	10.00
10		DISTRIBUTION SYSTEMS	12/31/99	99,444.95	0.00		0.00	99,444.95	0.00	99,444.95	0.00	S/L	10.00
14		ENG/SURVEY/LEGAL FEES	12/31/99	5,035.78	0.00		0.00	5,035.78	0.00	5,035.78	0.00	S/L	10.00
18		SERVICE CONNECTIONS	12/31/99	46,353.14	0.00		0.00	46,353.14	0.00	46,353.14	0.00	S/L	10.00
20		BUILDING - NEW STATION	6/15/11	2,742,601.68	0.00		0.00	635,369.35	54,852.03	690,221.38	2,052,380.30	S/L	50.00
25		PANEL BD, CIRCUIT BRK, SWI	6/15/11	20,894.00	0.00		0.00	8,067.44	696.47	8,763.91	12,130.09	S/L	30.00
26		MOTOR CONTROL EQUIP	6/15/11	18,615.00	0.00		0.00	7,187.46	620.50	7,807.96	10,807.04	S/L	30.00
27		EMERGENCY GENERATOR	6/15/11	42,500.00	0.00		0.00	16,409.76	1,416.67	17,826.43	24,673.57	S/L	30.00
31		ROOFING	6/15/11	16,200.00	0.00		0.00	6,255.00	540.00	6,795.00	9,405.00	S/L	30.00
32		ENGINEERING - NEW STATION	5/08/12	34,777.82	0.00		0.00	7,419.30	695.56	8,114.86	26,662.96	S/L	50.00
42		WATER LINE	11/30/17	72,539.16	0.00		0.00	7,374.80	1,450.78	8,825.58	63,713.58	S/L	50.00
44		WATER LINE	1/01/18	40,243.75	0.00		0.00	4,024.40	804.88	4,829.28	35,414.47	S/L	50.00
		B		3,172,965.01	0.00	c	0.00	876,701.11	61,076.89	937,778.00	2,235,187.01		
Group: E													
11		METERS	12/31/99	10,907.12	0.00		0.00	10,907.12	0.00	10,907.12	0.00	S/L	10.00
12		HYDRANTS	12/31/99	4,492.69	0.00		0.00	4,492.69	0.00	4,492.69	0.00	S/L	10.00
13		EQUIPMENT	12/31/99	2,236.00	0.00		0.00	2,236.00	0.00	2,236.00	0.00	S/L	10.00
22		PIPE FREEZING KIT	3/15/11	2,607.53	0.00		0.00	2,607.53	0.00	2,607.53	0.00	S/L	5.00
23		TOUCHREADER II VISUAL DISI	6/15/11	397.40	0.00		0.00	397.40	0.00	397.40	0.00	S/L	5.00
24		FIXTURES & LAMPS	6/15/11	16,460.00	0.00		0.00	9,533.08	823.00	10,356.08	6,103.92	S/L	20.00
28		TELEMETRY SYSTEM	6/15/11	17,265.00	0.00		0.00	13,332.42	1,151.00	14,483.42	2,781.58	S/L	15.00
29		LAB & SAFETY EQUIP	6/15/11	17,000.00	0.00		0.00	17,000.00	0.00	17,000.00	0.00	S/L	5.00
30		INSTRUMENTATION	6/15/11	25,200.00	0.00		0.00	25,200.00	0.00	25,200.00	0.00	S/L	5.00
34		HONDA GENERATOR	12/07/13	1,652.95	0.00		0.00	1,652.95	0.00	1,652.95	0.00	S/L	5.00
36		2 PUMPS	2/22/14	15,079.40	0.00		0.00	13,320.14	1,507.94	14,828.08	251.32	S/L	10.00
37		VFD System, AB, Powerflex 70	8/09/16	3,556.91	0.00		0.00	3,260.50	296.41	3,556.91	0.00	S/L	7.00
38		PUMP MOTOR	2/23/16	1,574.00	0.00		0.00	1,536.54	37.46	1,574.00	0.00	S/L	7.00
39		COPIER	5/18/17	2,895.00	0.00		0.00	2,895.00	0.00	2,895.00	0.00	S/L	5.00
40		2 HYDRANTS	11/14/17	6,904.00	0.00		0.00	1,783.53	345.20	2,128.73	4,775.27	S/L	20.00
43		CHLORINE PUMP	7/11/17	1,325.45	0.00		0.00	1,041.43	189.35	1,230.78	94.67	S/L	7.00
45		RAW WATER METER	5/15/21	3,526.29	0.00		0.00	1,175.43	705.26	1,880.69	1,645.60	S/L	5.00
46		LG Mini Split Heat Pump System	10/04/21	8,400.00	0.00		0.00	525.00	420.00	945.00	7,455.00	S/L	20.00
47		HYDRANT	12/31/21	3,342.49	0.00		0.00	0.00	0.00	0.00	3,342.49	Memo	0.00
48		(1) OMNI C2 3" METER 1 of 2	9/09/22	1,255.13	0.00		0.00	41.84	125.51	167.35	1,087.78	S/L	10.00
49		BLUE WHITE M-1 PERISTALTIC	9/01/22	1,830.00	0.00		0.00	61.00	183.00	244.00	1,586.00	S/L	10.00
50		AIR COMPRESSOR 1	5/06/22	3,184.74	0.00		0.00	424.63	636.95	1,061.58	2,123.16	S/L	5.00
51		AIR COMPRESSOR 2	5/06/22	3,184.74	0.00		0.00	424.63	636.95	1,061.58	2,123.16	S/L	5.00
52		Blue White M-1 Peristaltic Meterin	5/17/23	1,810.00	0.00	c	0.00	0.00	105.58	105.58	1,704.42	S/L	10.00
54		Goulds Verticle Pump & Motor Rel	8/02/23	17,065.15	0.00	c	0.00	0.00	1,422.10	1,422.10	15,643.05	S/L	5.00

Book Asset Detail 1/01/23 - 12/31/23

FYE: 12/31/2023

Asset	d t	Property Description	Date In Service	Book Cost	Book Sec 179 Exp c	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Book Value	Book Method	Book Period
Group: E (continued)												
55		(12) 3/4 inch Short Iperl Meters	9/28/23	2,096.64	0.00c	0.00	0.00	0.00	0.00	2,096.64	Memo	0.00
56	d	(1) OMNI C2 3" METER 2 of 2	9/09/22	1,255.14	0.00	0.00	41.84	31.38	73.22	1,181.92	S/L	10.00
			E	176,503.77	0.00c	0.00	113,890.70	8,617.09	122,507.79	53,995.98		
			*Less: Dispositions and Transfers	1,255.14	0.00	0.00	41.84	0.00	73.22	1,181.92		
			Net E	175,248.63	0.00c	0.00	113,848.86	8,617.09	122,434.57	52,814.06		
Group: L												
15		LAND AND LAND RIGHTS	12/31/99	1,200.00	0.00	0.00	0.00	0.00	0.00	1,200.00	Memo	0.00
19		LAND - NEW STATION	6/15/11	20,644.68	0.00	0.00	0.00	0.00	0.00	20,644.68	Memo	0.00
35		LAND	1/16/13	16,031.50	0.00	0.00	0.00	0.00	0.00	16,031.50	Memo	0.00
41		LAND RIGHTS	11/30/17	4,478.91	0.00	0.00	0.00	0.00	0.00	4,478.91	Memo	0.00
			L	42,355.09	0.00c	0.00	0.00	0.00	0.00	42,355.09		
			Grand Total	3,391,823.87	0.00c	0.00	990,591.81	69,693.98	1,060,285.79	2,331,538.08		
			Less: Dispositions and Transfers	1,255.14	0.00	0.00	41.84	0.00	73.22	1,181.92		
			Net Grand Total	3,390,568.73	0.00c	0.00	990,549.97	69,693.98	1,060,212.57	2,330,356.16		

ULSTER MUNICIPAL AUTHORITY
FINANCIAL STATEMENTS
FOR THE YEARS ENDED
DECEMBER 31, 2024 AND 2023

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INDEPENDENT AUDITORS' REPORT

Authority Members
Ulster Municipal Authority
Ulster, Pennsylvania:

Report on the Audit of the Financial Statements

Opinions

We have audited the accompanying modified cash basis financial statements of Ulster Municipal Authority (Authority), a component unit of the Township of Ulster, Pennsylvania, as of and for the years ended December 31, 2024 and 2023, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the modified cash basis financial position of the Authority, as of December 31, 2024 and 2023, and the change in modified cash basis financial position, and cash flows thereof for the year then ended in accordance with the modified cash basis of accounting described in Note 1.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Authority and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Emphasis of Matter - Basis of Accounting

We draw attention to Note 1 of the financial statements, which describes the basis of accounting. The financial statements are prepared on the modified cash basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

40 Choate Circle • Montoursville, PA 17754 Phone: (570) 368-2941 • Fax: (570) 368-3172

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with the modified cash basis of accounting described in Note 1; and for determining that the modified cash basis of accounting is an acceptable basis for the preparation of the financial statements in the circumstances. Management is also responsible for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with generally accepted auditing standards and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, no such opinion is expressed.

- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.

- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Authority's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated May 20, 2025, on our consideration of the Authority's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Authority's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Authority's internal control over financial reporting and compliance.

Larson, Kellett & Associates, P.C.

Montoursville, Pennsylvania
May 20, 2025

ULSTER MUNICIPAL AUTHORITY
PROPRIETARY FUND
STATEMENTS OF NET POSITION - MODIFIED CASH BASIS
DECEMBER 31, 2024 AND 2023

	2024	2023
ASSETS		
CURRENT ASSETS,		
Cash and cash equivalents	$ 55,278	$ 72,883
NONCURRENT ASSETS,		
Capital assets, net	2,265,946	2,330,356
TOTAL ASSETS	$ 2,321,224	$ 2,403,239
LIABILITIES AND NET POSITION		
CURRENT LIABILITIES:		
Customer deposits	$ 11,150	$ 10,550
Payroll tax withholdings	703	1,027
Current portion of noncurrent liabilities	88,204	87,326
Total current liabilities	100,057	98,903
NONCURRENT LIABILITIES,		
Note payable, net of current portion	446,727	534,931
Total liabilities	546,784	633,834
NET POSITION:		
Net investment in capital assets	1,731,015	1,708,099
Unrestricted	43,425	61,306
Total net position	1,774,440	1,769,405
TOTAL LIABILITIES AND NET POSITION	$ 2,321,224	$ 2,403,239

ULSTER MUNICIPAL AUTHORITY
PROPRIETARY FUND
STATEMENTS OF REVENUES, EXPENSES AND CHANGE IN NET POSITION -
MODIFIED CASH BASIS
FOR THE YEARS ENDED DECEMBER 31, 2024 AND 2023

	2024	2023
OPERATING REVENUES,		
Charges for services	$ 184,581	$ 159,274
OPERATING EXPENSES:		
Depreciation	71,458	69,694
Payroll and payroll taxes	15,202	17,553
Repairs and maintenance	18,970	9,806
Professional fees	6,584	6,564
Utilities	14,660	17,213
Lab	11,156	5,560
Contracted services	18,723	11,730
Office	2,504	3,124
Supplies	11,522	11,522
Bank fees	20	90
Licenses and permits	1,500	500
Mileage	122	318
Dues and subscriptions	1,085	562
Insurance	269	269
Total operating expenses	173,775	154,505
OPERATING INCOME	10,806	4,769
NONOPERATING REVENUE (EXPENSE):		
Interest income	52	250
Interest expense	(5,823)	(6,768)
Loss on disposal of capital assets		(1,182)
Total nonoperating expense, net	(5,771)	(7,700)
CHANGE IN NET POSITION	5,035	(2,931)
NET POSITION, BEGINNING	1,769,405	1,772,336
NET POSITION, ENDING	$ 1,774,440	$ 1,769,405

ULSTER MUNICIPAL AUTHORITY
PROPRIETARY FUND
STATEMENTS OF CASH FLOWS - MODIFIED CASH BASIS
FOR THE YEARS ENDED DECEMBER 31, 2024 AND 2023

	2024	2023
CASH FLOWS FROM OPERATING ACTIVITIES:		
Cash received from users	$ 185,181	$ 160,130
Payments to employees for services	(15,526)	(17,548)
Payments to suppliers and others for goods and services	(87,115)	(67,258)
Net cash provided by operating activities	82,540	75,324
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:		
Repayment of note payable	(87,326)	(86,457)
Interest paid	(5,823)	(6,768)
Purchase of capital assets	(7,048)	(20,972)
Net cash used by capital and related financing activities	(100,197)	(114,197)
CASH PROVIDED BY INVESTING ACTIVITIES,		
Interest income	52	250
NET DECREASE IN CASH AND CASH EQUIVALENTS	(17,605)	(38,623)
CASH AND CASH EQUIVALENTS, BEGINNING	72,883	111,506
CASH AND CASH EQUIVALENTS, ENDING	$ 55,278	$ 72,883
RECONCILIATION OF OPERATING INCOME TO NET CASH PROVIDED BY OPERATING ACTIVITIES:		
Operating income	$ 10,806	$ 4,769
Adjustments to reconcile operating income to net cash provided by operating activities:		
Depreciation	71,458	69,694
Change in:		
Customer deposits	600	856
Payroll tax withholdings	(324)	5
NET CASH PROVIDED BY OPERATING ACTIVITIES	$ 82,540	$ 75,324

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

The financial statements of Ulster Municipal Authority (Authority) have been prepared in conformity with the modified cash basis of accounting which is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America as applied to governmental entities. The most significant of the Authority's accounting policies are described below.

Financial Reporting Entity

The Authority was incorporated in 1965 under the provisions of the Municipality Authorities Act of 1945. The Authority was established by the Township of Ulster, Pennsylvania (Township) to operate a water system for the Township.

In evaluating how to define the Authority for financial reporting purposes, management has considered all potential component units. The criterion for including a potential component unit within the reporting entity is the significance of their operational or financial relationship with the Authority. Based upon the application of this criterion, the reporting entity will consist solely of the accounts and funds of the Authority.

The Authority is considered a component unit of the Township because the Township is financially accountable for the Authority and appoints the Authority's board members.

Basis of Presentation, Fund Accounting, Basis of Accounting and Measurement Focus - Proprietary Fund

The Authority's financial statements are prepared using the economic resources measurement focus and the modified cash basis of accounting. The accounting objectives of this measurement focus are the determination of operating income, changes in net position and financial position. All assets and liabilities (whether current or noncurrent, financial or nonfinancial) associated with their activities are reported. The modified cash basis of accounting recognizes assets, liabilities, net position, revenues and expenses when they result from cash transactions and recognition of capital assets and related depreciation, customer deposits, note payable and capital lease. This basis of accounting is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America.

Proprietary funds distinguish operating revenues and expenses from nonoperating revenues and expenses. Operating revenues generally result from providing services and producing and delivering goods in connection with a proprietary fund's principle ongoing operations. Operating expenses for the proprietary fund includes the cost of personnel and contracted services, repairs, supplies, utilities, lab, licenses and permits, and depreciation of capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

Budgetary Procedures and Budgetary Accounting

The Authority Board adopts an annual budget for the Proprietary Fund. The annual budget for the Proprietary Fund is prepared in accordance with the modified cash basis of accounting.

Capital Assets and Depreciation

Capital assets include land, water system and lines and equipment. Capital assets are valued at historical cost. The Authority defines capital assets as assets which have an original cost of $1,000 or more and an estimated useful life in excess of one year. Repairs and maintenance are recorded as expenses. Renewals and betterments are capitalized.

Capital assets of the Authority are depreciated using the straight-line method over the following estimated useful lives:

Water system and lines	10-50 years
Equipment	5-20 years

Fair Value of Financial Instruments

The Authority's financial instruments consist of cash and cash equivalents and note payable. The carrying value of these financial instruments approximates their fair value at December 31, 2024 and 2023.

Net Position

Net position represents the difference between assets and liabilities. Net investment in capital assets, consists of capital assets, net of accumulated depreciation, reduced by the outstanding balances of any borrowings used for the acquisition, construction or improvement of those assets. Net position is reported as restricted when there are limitations imposed on its use either through the enabling legislation adopted by the Authority or through external restrictions imposed by creditors, grantors, laws or regulations of other governments. Restricted resources are used before unrestricted resources to fund appropriations.

Cash Flows

For purposes of the statements of cash flows, the Authority considers all highly liquid investments with an original maturity of three months or less to be cash and cash equivalents.

Use of Estimates

The preparation of financial statements in conformity with the modified cash basis of accounting requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

Recent Accounting Pronouncements to be Adopted

The Governmental Accounting Standards Board (GASB) issued the following pronouncements:

- Statement No. 102, *Certain Risks Disclosures*, effective for fiscal years beginning after June 15, 2024.

- Statement No. 103, *Financial Reporting Model Improvements,* effective for fiscal years beginning after June 15, 2025.
- Statement No. 104, *Disclosure of Certain Capital Assets*, effective for fiscal years beginning after June 15, 2025.

The Authority has not yet determined the effect, if any, on the financial statements due to the adoption of these statements.

2. DESCRIPTION OF PRINCIPAL BUSINESS ACTIVITY AND CONCENTRATION OF CREDIT RISK:

The Authority operates a water distribution system in the Township. The Authority's receipts result from charges to residents who are located in the geographic boundaries of the Township. Consequently, the ability of each of the Authority's customers to honor their obligations to the Authority is dependent upon economic and other factors affecting this area.

3. CASH AND CASH EQUIVALENTS:

Custodial Credit Risk

Custodial credit risk is the risk that in the event of a bank failure, the Authority's deposits may not be returned. The Authority does not have a policy for custodial credit risk. As of December 31, 2024 and 2023, none of the Authority's bank balance of $56,144 and $73,026 respectively, was exposed to custodial credit risk:

	2024	2023
Reconciliation to Financial Statements		
Insured amount	$56,144	$73,026
Plus deposits in transit		354
Less outstanding checks	869	500
Petty cash	3	3
Total cash and cash equivalents per financial statements	$55,278	$72,883

4. CAPITAL ASSETS:

A summary of changes in capital assets is as follows:

	Balance January 1, 2024	Additions	Retirements	Balance December 31, 2024
Capital assets, not being depreciated, Land	$ 42,355			$ 42,355

	Balance January 1, 2024	Additions	Retirements	Balance December 31, 2024
Capital assets, being depreciated:				
Water system and lines	$3,172,965			$3,172,965
Equipment	175,250	$ 7,048		182,298
Total capital assets, being depreciated	3,348,215	7,048		3,355,263
Less accumulated depreciation:				
Water system and lines	937,778	61,077		998,855
Equipment	122,436	10,381		132,817
Total accumulated depreciation	1,060,214	71,458		1,131,672
Total capital assets, being depreciated, net	2,288,001	(64,410)		2,223,591
Capital assets, net	$2,330,356	$(64,410)	$	$2,265,946

	Balance January 1, 2023	Additions	Retirements	Balance December 31, 2023
Capital assets, not being depreciated, Land	$ 42,355			$ 42,355
Capital assets, being depreciated:				
Water system and lines	3,172,965			3,172,965
Equipment	155,533	$ 20,972	$1,255	175,250
Total capital assets, being depreciated	3,328,498	20,972	1,255	3,348,215
Less accumulated depreciation:				
Water system and lines	876,701	61,077		937,778
Equipment	113,892	8,617	73	122,436
Total accumulated depreciation	990,593	69,694	73	1,060,214
Total capital assets, being depreciated, net	2,337,905	(48,722)	1,182	2,288,001
Capital assets, net	$2,380,260	$(48,722)	$1,182	$2,330,356

Depreciation expense for the years ended December 31, 2024 and 2023 totaled $71,458 and $69,694, respectively.

5. NONCURRENT LIABILITIES:

The following is a summary of changes in noncurrent liabilities for the year ended December 31, 2024 and 2023:

	Balance January 1, 2024	Additions	Reductions	Balance December 31, 2024	Amounts Due Within One Year
Note payable	$622,257	$	$87,326	$534,931	$88,204

	Balance January 1, 2023	Additions	Reductions	Balance December 31, 2023	Amounts Due Within One Year
Note payable	$708,714	$	$86,457	$622,257	$87,326

At December 31, 2024 and 2023, note payable consists of the following:

	2024	2023
Pennsylvania Infrastructure Investment Authority Note, due in monthly installments of $7,762 including interest at 1% per annum through November 2030.	$534,931	$622,257

The annual requirements to amortize the note payable at December 31, 2024 are as follows:

	Principal	Interest	Total
2025	$ 88,204	$ 4,945	$ 93,149
2026	89,090	4,059	93,149
2027	89,985	3,164	93,149
2028	90,889	2,260	93,149
2029	91,801	1,348	93,149
2030	84,962	426	85,388
Total	$534,931	$16,202	$551,133

The Authority has assigned and pledged all the revenues from the water system as security for the outstanding note.

During the years ended December 31, 2024 and 2023, interest cost of $5,823 and $6,768, respectively, were incurred and recorded in the accompanying statements of revenues, expenses and change in net position - modified cash basis. No interest costs were capitalized during either of the years ended December 31, 2024 and 2023.

6. CONTINGENT LIABILITIES:

Grants

The Authority participates in federal and state assisted grant programs. Subsequent audits may disallow expenditures financed by government grant programs. It is the opinion of management that requests for reimbursement, if any, by either federal or state governments based on subsequent audits will not be material in relation to the Authority's financial statements as of December 31, 2024.

Risk Management

The Authority is exposed to various risks of losses related to torts, theft of, damage to and destruction of assets, errors, and omissions, and natural disasters. It is the policy of the Authority to purchase commercial insurance for the risks of loss to which it is exposed. Settled claims resulting from these risks have not exceeded commercial insurance coverage in any of the past three years.

7. SUBSEQUENT EVENTS:

Subsequent events have been evaluated through May 20, 2025, which is the date the financial statements were available to be issued.

**INDEPENDENT AUDITORS' REPORT
ON INTERNAL CONTROL OVER FINANCIAL REPORTING
AND ON COMPLIANCE AND OTHER MATTERS BASED ON
AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN
ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS***

Authority Members
Ulster Municipal Authority
Ulster, Pennsylvania:

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the modified cash basis financial statements of Ulster Municipal Authority (Authority), a component unit of the Township of Ulster, Pennsylvania, as of and for the year ended December 31, 2024, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements and have issued our report thereon dated May 20, 2025.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Authority's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control.

A *deficiency in internal control* exits when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that have not been identified. We identified a deficiency in internal control, described below that we consider to be a material weakness.

Segregation of Duties

Criteria: Adequate segregation of duties between accounting functions is essential for effective internal control.

40 Choate Circle • Montoursville, PA 17754 Phone: (570) 368-2941 • Fax: (570) 368-3172

Condition: The responsibility for the performance of accounting duties is vested in one employee.

Cause: The Authority employs only a single individual to perform all accounting functions.

Effect: Without proper segregation of duties, intentional or unintentional errors could occur and not be detected.

Recommendation: While it is advisable to have adequate segregation of duties among employees, the cost of such implementation must be weighed against the benefits to be derived. The cost that would result from increasing the number of employees to more fully segregate duties in your organization may greatly exceed any internal control benefits to be derived. This weakness is somewhat mitigated by the involvement of a member of the Authority Board of Directors who receives and opens the bank statements and reviews them for any unusual checks or other transactions before giving them to the person responsible for preparing the bank reconciliations. This weakness is also somewhat mitigated by having the Authority Board Members continue to review and approve the monthly bank reconciliations.

Views of Responsible Officials: Management concurs.

Corrective Action Plan: The Chairman of the Board will continue to review and approve the bank statements and reconciliations. Additionally, the Board will continue to approve the reconciliation at its monthly meeting.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Authority's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards.*

Authority's Response to Finding

Government Auditing Standards require the auditor to perform limited procedures on the Authority's response to the finding identified in our audit and described above. The Authority's response was not subjected to the other auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on the response.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Larson, Kellett & Associates, P.C.

Montoursville, Pennsylvania
May 20, 2025

****

Exhibit G

UMA Adopted Budgets

****

ULSTER MUNICIPAL AUTHORITY
2025 APPROVED BUDGET

ORDINARY INCOME/EXPENSES		
INCOME		
	Water Usage	182,800.00
	Penalties	7,000.00
	Interest Income	50.00
TOTAL INCOME		189,850.00
EXPENSES		
	ENGINEERING-OPERATORS ASSISTANCE	6,000.00
	INSURANCE	
	Bond	270.00
	TOTAL INSURANCE	270.00
	DUES & MEMBERSHIPS	3,300.00
	PENNVEST LOAN	93,150.00
	OFFICE EXPENSE	2,500.00
	PAYROLL	15,000.00
	LICENSES & PERMITS	2,000.00
	PLANT OPERATION	25,000.00
	PROFESSIONAL FEES	7,000.00
	REPAIRS/MAINTENANCE	
	Mowing	1,000.00
	Repairs - C Building/Water Line	10,000.00
	TOTAL REPAIRS	11,000.00
	SERVICE AGREEMENT	1,000.00
	TELEPHONE/INTERNET	1,200.00
	UTILITIES	
	Electric	13,000.00
	Gas	1,200.00
	TOTAL UTILITIES	14,200.00
TOTAL EXPENSES		**181,620.00**
NET INCOME		**8,230.00**

ULSTER MUNICIPAL AUTHORITY
2026 APPROVED BUDGET

ORDINARY INCOME/EXPENSES		
INCOME		
	Water Usage	200,000.00
	Penalties	7,000.00
	Interest Income	35.00
TOTAL INCOME		207,035.00
EXPENSES		
	ENGINEERING-OPERATORS ASSISTANCE	10,000.00
	INSURANCE	
	Bond	270.00
	DUES & MEMBERSHIPS	600.00
	PENNVEST LOAN	93,150.00
	OFFICE EXPENSE	2,500.00
	PAYROLL	15,000.00
	LICENSES & PERMITS	2,000.00
	PLANT OPERATION	40,000.00
	PROFESSIONAL FEES	7,000.00
	REPAIRS/MAINTENANCE	
	Mowing	750.00
	Repairs - C Building/Water Line	10,000.00
	TOTAL REPAIRS	10,750.00
	SERVICE AGREEMENT	400.00
	TELEPHONE/INTERNET	1,400.00
	UTILITIES	
	Electric	14,000.00
	Gas	1,300.00
	TOTAL UTILITIES	15,300.00
TOTAL EXPENSES		**198,370.00**
NET INCOME		**8,665.00**

****

Exhibit H

Buyer Operator License

****

Commonwealth of Pennsylvania

Department of Environmental Protection

In accordance with the
State Board for Certification of Water and Wastewater Systems Operators
and the Regulations of the
Department of Environmental Protection

TRAVIS J LONG

Is Hereby Authorized to Operate
WATER SYSTEM

Class: A,E, Water
Subclass: 1,2,3,4,5,6,7,8,9,10,11,12,13,14

Client ID: 287650

TRAVIS J LONG
[redacted]

Issue Date Oct 1, 2023
Expiration Date Sep 30, 2026

Mary Roland
Board Chairperson

Certificate No. W18603

****

Exhibit I

Public Water Supply Permits

****

REV 12/64

DEC 27 1966

REGION II

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH—DIVISION OF SANITARY ENGINEERING

WATER SUPPLY APPLICATION

RECEIVED

JAN 17 1967

REGION II

1. APPLICATION NO. 266WO22

2. APPLICANT: Ulster Municipal Authority

3. MAILING ADDRESS: P. O. Box #106 Ulster, Pa. 18850

4. HEREBY APPLIES FOR APPROVAL OF PLANS AND PERMIT FOR USE AS SOURCE OF SUPPLY AND CONSTRUCTION AND OPERATION OF THE FOLLOWING FACILITIES:

SOURCE	FACILITIES	
[X] WELL(S)	[ ] IMPOUNDMENT	[X] DISINFECTION
[ ] SPRING(S)	[ ] SETTLING	[ ] PUMP STATION(S)
[ ] STREAM	[ ] FILTRATION	[ ] TRANSMISSION LINES
[ ] LAKE	[ ] IRON REMOVAL	[ ] DISTRIBUTION STORAGE
	[ ] SOFTENING	[ ] DISTRIBUTION SYSTEM

KNOWN AS Ulster Water System

5. SERVING WATER TO THE PUBLIC WITHIN MUNICIPALITY Ulster CITY BOROUGH TOWNSHIP Village COUNTY Bradford

AND SUBMITS AS PART OF THE APPLICATION THE ACCOMPANYING PLANS, REPORTS AND SPECIFICATIONS

6. DATE	7. SIGNATURE OF APPLICANT	TYPE OR PRINT SIGNATURE
12-21-66	Donald H Tuttle	Donald H. Tuttle
	8. TITLE Chairman	

9. CORPORATE SEAL

10. AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF Bradford SS

I, Donald H. Tuttle, BEING DULY SWORN, ACCORDING TO LAW, DEPOSE AND SAY THAT I (AM THE APPLICANT) (AM AN OFFICER OR OFFICIAL OF THE APPLICANT) (HAVE THE AUTHORITY TO MAKE THIS APPLICATION) AND THAT THE PLANS, REPORTS AND DOCUMENTS SUBMITTED AS PART OF THE APPLICATION ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Twenty-third DAY OF December 19 66 11. SIGNATURE Donald H Tuttle

Herbert W Rounds NOTARY PUBLIC

HERBERT W. ROUNDS
Justice Of The Peace
Main Street Ulster, Pa.

My Commission Expires
First Monday Of January 19

REGIONAL ENGINEER'S REVIEW

12. ~~FOLIOS~~ – NO. OF FOLIOS	13. REPORTS – NO. OF VOLUMES	14. SPECIFICATIONS – NO. OF VOLUMES
One	One	None

15. WILL PROPOSED FACILITIES COMPLY WITH THE REGULATIONS OF THE DEPARTMENT OF HEALTH?

[X] YES [ ] NO

RECOMMENDATION AND ACTION

	APPROVE-ISSUE IN REGION	APPROVE-ISSUE IN C. O.	REFUSE		DATE
16.	[ ]	[ ]	[ ]	REVIEWING ENGINEER	
17.	[ ]	[ ]	[ ]	FACILITIES ENGINEER	
18.	[ ]	[X]	[ ]	REGIONAL ENGINEER Maurice E. Wilt, P.E.	1/5/67
19.		[X]	[ ]	WATER SUPPLY SECTION	1/10/67
20.		[X]	[ ]	DIVISION	1/10/67

PERMIT ISSUED

21. DATE January 16, 1967

22. BY /s/ C. L. Wilbar, Jr.

23. TITLE Secretary of Health

REGION FILE

COMMONWEALTH OF PENNSYLVANIA

RECEIVED
JAN 17 1967
REGION II

DEPARTMENT OF HEALTH

C. L. WILBAR, JR., M.D.
SECRETARY OF HEALTH

P. O. BOX 90
HARRISBURG 17120

CERTIFIED MAIL

JAN 16 1967

Ulster Township
Bradford County

Ulster Municipal Authority
P. O. Box #106
Ulster, Pennsylvania

SUBJECT: Water Works Permit No. 2660022

Gentlemen:

The Secretary of Health in accordance with the provisions of the laws of the Commonwealth authorized the issuance of the enclosed permit.

We have also enclosed the items indicated below. We believe the permit and enclosed material is self-explanatory. If you have any questions, however, please contact the office of the Regional Sanitary Engineer in your area and one of the members of the Regional Sanitary Engineering Staff will be happy to explain them to you.

Very truly yours,

Floyd O. Collins, Jr., Chief
Staff Services Section
Division of Sanitary Engineering

Enclosures
- ☒ Permit
- ☐ Certificate
- ☐ Standard Conditions
- ☒ Rules & Regulations
- ☒ List of Regional Engineers

CMB:mm
cc: Staff Services (2)
File
Reg. San. Engr., Region II
Water Supply Section

PUBLIC WATER SUPPLY
ULSTER MUNICIPAL AUTHORITY
ULSTER TOWNSHIP, BRADFORD COUNTY
APPLICATION NO. 266W022

January 5, 1967

DESCRIPTION OF PROJECT:

A water works including source of supply with disinfection and distribution system with storage reservoir.

DESIGN ENGINEER:

David C. Meyer, Pennsylvania Registered Professional Engineer.

GENERAL CONDITIONS:

The Ulster Municipal Authority was formed in 1965 to construct a water system and supply water to the approximately 400 residents of the village.

There are no public sewers in the area, all sanitary wastes being discharged to on-lot systems with no known problems other than possible contamination of the individual wells.

The unincorporated Village of Ulster is located in Ulster Township near the center of Bradford County. It is situated on the west bank of the Susquehanna River along U. S. Route 220, nine miles south of Athens. The main street is fairly level and parallels the river. The cross streets rise towards the west where the country is fairly hilly. Two small creeks, usually dry in the summer, run easterly through the village to the river.

PREVIOUS PERMITS:

None.

EXISTING FACILITIES:

The residents use their individual wells, few of them have adequate or satisfactory water during dry periods.

The Ulster Municipal Authority was formed to develop a public water works with financial assistance provided by the Farmers Home Administration. Service agreements have been completed to serve 280 of the community's 400 population.

"Ulster Well" was drilled October 11, 1966 east of the center of the village and near the junction of a small stream with the North Branch Susquehanna River. The well is located on the 7½ minute Ulster Quadrangle, 19.1 inches north and 0.9 inches west. The well is 8" in diameter and 37' deep and is cased to 27'. The casing extends 13' above the normal ground level, and 24" above the highest known flood stage of the river. An earth embankment 40' in diameter has been placed around the well and will be the site of the building to house the pump and disinfection apparatus.

The well was pumped five hours at 100 gpm and the static water level of 16' below the original ground level was drawn down 5'. The maximum yield of the well is unknown.

The pump house is of concrete block 8'x8' in plan.

The pump is a Jacussi Submersible Model No. 75S6B8-T2, having a capacity of 68 gpm at 300' head and is set at 5' off bottom.

A 2" Rockwell Meter is installed on the 2" pump discharge.

A Wallace & Tiernan Hypochlorinator, Series A-747, with a capacity of 300 gpd against a head of 125 psi will, when using a 15% hypochloride solution, provide 3000 ppm of available chlorine at the estimated 20,000 gpd maximum rate of consumption. The distribution system will provide a 20 minute detention period prior to the first consumer. A test tap will be provided to check the chlorine residual.

A 75,000 gallon concrete covered water storage reservoir is provided north of the community and west of Main Street at elevation 920'.

The distribution system consists of basically 6" mains with fire hydrants and blowoffs where needed. Areas where lesser volumes of water are required are served by 4" and 2" lines. Every consumer will be provided with a water meter.

PROPOSED ADDITION TO WATER WORKS:

The present application requests approval of a drilled well, a storage reservoir and water distribution system, all of which apparently have been constructed without knowledge of the regional office. It has only been within the past several weeks that a suitable well has been found.

STREAM ENCROACHMENTS:

None.

ANALYSES:

Nine samples of untreated water collected November 12, 1966 to December 7, 1966 from "Ulster Well" showed an average of 74 coliform organisms per 100 M.L. of samples.

The results of chemical analyses of samples are as follows:

	Dept. of Health 12/7/66	Seewald Lab. 12/2/66	Sayre Water Co. Lab. 12/2/66
Color	0	0	
Odor	Faint Disagreeable	0	
Turbidity	0	0	
pH	6.3	6.6	6.7
Alkalinity	57.	34.0	57.0
Hardness	60.	64.0	114.0
Chloride	10.	11.0	2.3
Fluoride	0.		
Ammonia Nitrogen	.004		
Albuminoid "	.040		
Nitrite "	.002	0.05	
Nitrate "	1.6	Less than 0.02	
Total Solids	126	260.0	
Total Iron	0	0.7	0.1 +

SANITARY CONDITIONS:

There are no buildings or sewage disposal facilities within 300' of the well. The well casing has been grouted and extended above possible flooding by the nearby streams. The field investigation confirmed the well site to be satisfactory. The ground water geologist inspected the site and it was evaluated as satisfactory. The proximity of the river offers reasonable assurance that there will be no buildings located nearby.

DISCUSSION:

Formal approval of the water works has been held in abeyance pending the development of a satisfactory well. Construction of most of the system has been completed and in accordance with the Department of Health's program it will provide water service for the present population.

It is the writer's opinion that the "Ulster Well", storage reservoir and distribution system can be maintained and operated in a safe and satisfactory manner, and will provide a safe and potable water supply for the present community. It would also appear reasonable that additional wells could be developed nearby, and the presently approved hypochlorinator should be capable of disinfecting a much larger quantity of water.

The samples of water collected for analyses in the Department's laboratory have all been collected without first having the water pumped for a reasonable period of time. The results of of the analyses all indicate the water will be satisfactory with the possible exception of the analyses for iron by the Seewald Laboratory. The iron is not confirmed by either our laboratory or the substantiating information furnished by the Sayre Water Company.

RECOMMENDATIONS:

It is recommended that a permit be issued to the Ulster Municipal Authority approving a water works including source of supply and distribution system, subject to the Rules and Regulations of the Pennsylvania Department of Health relating to public water supplies.

Respectfully submitted

Marlin E. Wilt

Marlin E. Wilt, P. E.
Regional Sanitary Engineer

MEW/dej

W. H. VANDERHOOF

Water Well Driller

R. D. 1, Camptown Road Phone 607 565-4217 Waverly, N. Y. 14892

Date Oct. 14, 1966

NAME Ulster Municipal Authority

ADDRESS P.O. Box 106, Ulster, Pa. 18850

Casing Size 8"

Drive Shoe Clayton-Mark

Ft. of Casing 27'

Ft. of Rock None

Total Depth 37'

G. P. M. 100

Ft. of Water 21'

Pump Type Submersible

Pump Setting 5 ft. off bottom.

10' of Casing was replaced with 10' Cook Everdur Metal Screen, Slot Size #40. 13' of 8" Casing was added to top of well above ground.

Length of Casing

	Ft.	In.
1	This well was	
2	cement grouted	
3	according to	
4	Board of Health	
5	specifications.	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

RECEIVED
DEC 15 1966
REGION II

Log of Well

Formation	From-To
Loam	0 - 12
Clay	12 - 17
Clay w/gravel	17 - 21
Gravel w/silt	21 - 24
Gravel	24 - 27
Coarse Sand	27 - 35
Gravel	35 - 37

The well was test pumped for 5 hrs. at 100 gals per min. with a drawdown of 5 ft.

D.C. Meyer

SUMMARY REPORT TO ACCOMPANY APPLICATION FOR
PUBLIC WATER SUPPLY PERMIT

RECEIVED
DEC 15 1966
REGION II

I - RELEVANT WATER WORKS PERMITS

None

DEC 30 1966
REGION II

II - GENERAL CONDITIONS

Location - The Village of Ulster, Pa. is situated on the west bank of the Susquehanna River, on U.S. Route 220, nine miles south of Athens, Pa. and is marked in red on the U.S. Geological Survey map attached to this report.

Topography - Ulster is in the Susquehanna River valley on the west side of the river. The main street is fairly level and parallels the river. The cross streets rise towards the west, where the country is fairly hilly. There are two small creeks running easterly through the village to the river, usually dry in the summer.

Population - Population is estimated at 400, based on 103 residences in the village, with a few containing two or three apartments. There is no known accurate census.

Sewage Disposal - All sewage disposal is by septic tanks and/or cess pools. There is no public sewer system.

Other Related Data - The Ulster Municipal Authority was formed in 1965 to construct a water system and supply water to the residents of the village.

III - EXISTING WATER WORKS FACILITIES

There are no existing water works facilities at this time. Individual wells are used by the residents.

IV - PROPOSED WATER WORKS IMPROVEMENTS

The application for a permit is for a water supply and distribution system, consisting of a well with pump and chlorinator, mains, valves, fire hydrants, services, meters, and a 75,000 gallon reservoir, to supply the village of Ulster, as shown on the attached 2 prints.

Population To Be Served

77 consumers will be served, including one school. The estimated population of the village is 400. It is estimated that 70%, or 280 people will be supplied with water, plus the school which has an enrollment of 350. It is estimated that the daily water requirements will be 15,000 to 20,000 gallons.

IV - PROPOSED WATER WORKS IMPROVEMENTS (Continued)

Storage Facilities

A 75,000 gallon reinforced concrete reservoir has been constructed on a hill north west of the center of the village. See Sheet 1 of 2 and U. S. Geological Survey Map, attached, for location. A float valve has been installed in the reservoir, connected to rented telephone cable to the well pump, for control.

Proposed Well

(a) Name - Ulster Well

(b) Location - east of center of village near creek and approximately 150 ft. west of the Susquehanna River. See Sheet 1 of 2 and U.S.G.S. Map. Survey of land acquired, by the Authority, done by George K. Jones, County Surveyor, is attached

(c) The well is drilled to a depth of 37 ft. and has an 8" casing , with a 10 ft. screen.

(d) An 8" casing extends 27 ft. into the well, with a 10 ft. screen on the bottom. The casing is extended approximately 13 ft. above the existing ground level, and incased in concrete, to bring the top of the casing above maximum flood level, making a total length of casing of 40 ft.

(e) The Geologic log of the well is shown on the Well Drillers Log, which is attached.

(f) There are no buildings or sewage disposal facilities within 300 ft. of the well. It is located on ground subject to flooding, so the ground has been built up to one foot above maximum flood level for a radius of 20 feet around the well. Print of land around the well by George Jones, County Surveyor, is attached. Also see Print Sheet 2 of 2.

Pumping Test

(a) A continuous test of the pump was made starting at 3 P.M. Dec. 1, 1966, and running to 3 P.M. Dec. 2, 1966, with a flow of 120 G.P.M. measured by a 2" Eureka B Rockwell meter. The discharge was open and run into the nearby stream bed.

(b) Static level - 16 ft. below original ground level. Pumping level - remained same as static.

(c) Yield - Minimum of 120 G.P.M.

IV - PROPOSED WATER WORKS IMPROVEMENTS (Continued)

Analyses

(a) Results of Bacteriological analyses taken 1 day after drilling and during the pumping test are attached.

(b) Chemical Analysis taken during pumping test is also attached.

Pump House

(a) Pump house is constructed of 8" cement block, with concrete floor, and is 8 ft. by 8 ft. See Sheet 2 of 2 attached.

(b) Pump is Jacussi Submersible Model No. 75S6B8-T2, 68 GPM at 300 ft. head, with 7½ HP 3 phase motor.

(c) Force main is 50 ft. of 2" pipe connecting into a 6" main, at floor of well house.

(d) A 2" Eureka B. Rockwell meter is installed in the discharge piping of the pump.

Chlorination Facilities

(a) Chlorinator is Wallace & Tiernan Hypochlorinator, Series A-747, with capacity of 300 gpd against 125 psi.

(c) Detention time is 20 minutes
(925 ft. of 6" x 1.47 gals/ft. ÷ 68 GPM = 20)

D. C. Meyer, P. E.

December 8, 1966

Sayre, Pa.

Bureau of Community Environmental Control
90 East Union Street - 2nd Floor
Wilkes-Barre, Pennsylvania 18701 (717) 826-2525

March 8, 1982

CERTIFIED MAIL #783036

Ulster Municipal Authority
c/o Mr. Sven Sealander, Jr., Chairman
Ulster, PA 18850

Dear Sir:

RE: Public Water Supply Permit No. 0881502
Ulster Township Municipal Authority
Ulster Township, Bradford County

Subject permit is enclosed.

We have also enclosed a copy of the Regulations for Public Water Supplies, which we believe is self-explanatory.

Please study the permit carefully and direct any questions to the Facilities Section of this office, at (717) 826-2525.

Very truly yours,

EUGENE J. BOROFSKI
Regional Sanitarian Manager

EJB:cu

Enclosures: Permit No. 0881502
Regulations For Public Water Supplies
Administrative Service Section

cc: Supervising Sanitarian
File ✓
Chron.

CPT-4001
D:3/5
T:3/8

CPT-4002
D:3/5 T:3/8
ER-BWQ-62 Rev. 1/74

Commonwealth of Pennsylvania
Department of Environmental Resources

WATER SUPPLY PERMIT

NO. 0881502

A. PERMITTEE: (Name and Address)
Ulster Municipal Authority
c/o Sven Sealander, Jr., Chairman
Ulster Municipal Authority
Ulster, Pennsylvania 18850

B. PROJECT LOCATION
SERVING WATER TO THE PUBLIC WITHIN:

Municipality Ulster Township

County Bradford County

C. THIS PERMIT APPROVES FOR:

1. [X] Use as Source of Supply
2. [ ] Construction
3. [X] Operation

AS INDICATED BELOW:

4. Source

- [X] Well(s)
- [ ] Spring(s)
- [ ] Stream
- [ ] Lake
- [ ] Impoundment
- [ ] Settling
- [ ] Filtration
- [ ] Iron Removal
- [ ] Softening

5. Facilities

- [X] Disinfection
- [ ] Pump Station(s)
- [ ] Transmission Lines
- [ ] Distribution Storage
- [ ] Distribution System

Known As Well #2

You are hereby authorized to use as source(s) of supply, construct or operate, as indicated above, provided that failure to comply with Chapter 109, Article II, of the Rules and Regulations of the Department of Environmental Resources or the terms or conditions of this permit shall void the authority given to the permittee by the issuance of the permit.

No deviations from approved plans or specifications affecting the treatment process or quality of waters shall be made without written approval from the Department.

This permit is issued by the Department of Environmental Resources under the authority of the Act of April 22, 1905, (P.L. 260), as amended and Section 2109 of the Administrative Code of 1929, the Act of April 9, 1929 (P.L. 177), as amended.

DEPARTMENT OF ENVIRONMENTAL RESOURCES

PERMIT ISSUED

By _____
EUGENE J. BOROFSKI

Date March 8, 1982

Title REGIONAL SANITARIAN MANAGER

CPT-4004
D:3/5
T:3/8

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF COMMUNITY ENVIRONMENTAL CONTROL

Internal Review And Recommendations

Name of Applicant: Ulster Municipal Authority
Project Location: Ulster Twp. Bradford Co.
Application Number: 0881502

BRIEF DESCRIPTION OF PROJECT AND DISCUSSION (Use Additional Sheets If Necessary)

This project provides for the construction of an auxiliary water supply to supplement their existing source, Well #1. The new well, designated as Well #2, will provide an alternate water supply in the event of shut down of the existing source due to planned maintenance or mechanical and electrical failure.

Well #2 is an 8 inch diameter well, 37 feet deep. A 6 inch casing extends to a depth of 28 feet. The pump is set at a depth of 34 feet. Prior to the pump test, the static water level was at 20 feet below ground level. At the end of the pump test, the pumping level was about 22 feet below ground level. The casing should extend 10 feet below pumping level, or 32 feet. Also, with an 8 inch drill hole and a 6 inch casing, there is less than a 1.5 inch opening between the drill hole and the casing. Therefore, the well does not meet our construction standards. The casing is 6 feet above the ground level and is equipped with a watertight seal. This makes the casing more than a foot above the elevation of the existing pump-house. In case of a flood affecting these wells, they can be shut down by adjusting the level control at the reservoir by turning off the valves at the main line.

The new well in the pump house will be equipped with a raw water test tap and a water meter. The well will have provisions for a static water level indicator.

CURRENT ESTIMATE OF COMPLETION DATE OF PROJECT (Industrial Wastes Only)

RECOMMENDATION AND ACTION

Approve Issue By Region	Approve Issue by Central Office	Refuse	Signature	Date
[X]	[ ]	[ ]	James P. LaBuz REVIEWING ENGINEER James P LaBuz	3-8-82
[X]	[ ]	[ ]	Eugene J. Borofski SANITARIAN REGIONAL MANAGER Eugene J Borofski	3-8-82
[ ]	[ ]	[ ]		
	[ ]	[ ]		
	[ ]	[ ]		

Permit Conditions
1. Standard

2. Special (Use Additional Sheets If Necessary)

Disinfection will be accomplished by a Wallace and Tiernan, A-747, 300 gallon per/day hypochlorinator. It is large enough to adequately disinfect either source. Both wells may not be used simultaneously, as the 20 minute detention time is based on in-line storage before the first consumer. There is 925 feet of 6 inch pipe which is adequate for pumping rate not to exceed 70 gallons per minute. Therefore, both wells may never be operated at the same time. The Engineer has indicated that even though the safe yield is 100 gallons per minute on Well #2, they have installed a pump which is only capable of delivering 60 to 65 gallons per minute. Careful observance must be made in future inspections that the pump is not replaced with one capable of producing over 70 gallons per minute without installing a larger chlorine contact tank.

Even though the well was constructed not in accordance with the standards specified in our Design Manual, it is recommended that the permit be issued. A raw water test tap is provided to periodically monitor the raw water bacteriological quality.

The well is to be used as a standby source only. Therefore, it is recommended that the permit application be processed for approval.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHCENTRAL REGIONAL OFFICE

September 14, 2010

CERTIFIED MAIL NO. 7009 3410 0000 3618 3610

Mr. Frank Walker, President
Ulster Municipal Authority
PO Box 157
Ulster, PA 18850

Re: Public Water Supply
Permit No. 0809503 – Operation
Ulster Municipal Authority
Ulster Township, Bradford County

Dear Mr. Walker:

Enclosed you will find Public Water Supply Permit No. 0809503. This permit approves operation of the Pall Aria AP-3 continuous microfiltration plant, including caustic soda and sodium hypochlorite chemical feed systems. Please comply with the special conditions accompanying this permit.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within thirty (30) days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions concerning this matter, please contact me at 570-327-0540.

Sincerely,

John C. Hamilton, P.E.
Environmental Program Manager
Water Supply Management

Enclosures

cc: Travis Long
Bob Blaney, Mansfield
Harrisburg
File (2)

JCH/ab

RECEIVED
SEP 15 2010
MANSFIELD DISTRICT OFFICE
Dept of Environmental Protection

208 West Third Street | Suite 101 | Williamsport, PA 17701-6448

570.327.3636 | Fax 570.327.3565 www.depweb.state.pa.us

3800-FM-WSWM0043 Rev. 6/2001

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

PUBLIC WATER SUPPLY PERMIT

NO. 0809503

A. PERMITTEE: (Name and Address)	B. PROJECT/PLANT LOCATION
Ulster Municipal Authority PO Box 157 Ulster, PA 18850	Municipality Ulster Township County Bradford

C. THIS PERMIT APPROVES FOR: 1. ☐ CONSTRUCTION 2. ☒ OPERATION OF FACILITIES

AS INDICATED BELOW: Approved Under Construction Permit No. _____

Source	Facilities		BVRB
☐ Well(s)	☐ Impoundment	☐ General Corrosion Control	☐ Bottled Water System
☐ Spring(s)	☐ Settling	☐ Corrosion Control for lead/copper	☐ Bulk Water Hauling System
☐ Surface Water	☒ Filtration	☒ Disinfection	☐ Vended Water System
☐ Finished Water	☐ Iron and Manganese Treatment	☒ Pump Station(s)	☐ Retail Water Facility
	☐ Softening	☒ Transmission Lines	
	☐ Fluoridation	☒ Finished Water Storage	
	☐ Distribution Facility	☐ Other _____	

KNOWN AS Pall Aria AP-3 continuous microfiltration plant, including caustic soda and sodium hypochlorite chemical feed systems.

LIMIT OF AUTHORIZATION

YOU ARE HEREBY AUTHORIZED TO CONSTRUCT OR OPERATE, AS INDICATED ABOVE, PROVIDED THAT FAILURE TO COMPLY WITH CHAPTER 109, OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.

THE PLANS, SPECIFICATIONS, REPORTS AND SUPPORTING DOCUMENTS SUBMITTED AS PART OF THE PERMIT APPLICATION BECOME PART OF THE PERMIT.

NO DEVIATIONS FROM APPROVED PLANS OR SPECIFICATIONS AFFECTING THE TREATMENT PROCESS OR QUALITY OF WATERS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT.

THIS PERMIT IS ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION UNDER THE AUTHORITY OF THE PENNSYLVANIA SAFE DRINKING WATER ACT, THE ACT OF MAY 1, 1984 (P.L. 206, NO. 43). OPERATION SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 109 ADOPTED UNDER THE AUTHORITY IN SECTIONS 4 AND 6(e) OF THE PENNSYLVANIA SAFE DRINKING WATER ACT.

THIS PERMIT IS SUBJECT TO THE ATTACHED SPECIAL CONDITIONS A through K

PERMIT ISSUED

Date 9/14/2010

DEPARTMENT OF ENVIRONMENTAL PROTECTION

By _____

Title Environmental Program Manager

Special Conditions

Public Water Supply
Permit No. 0809503 - Operation
Ulster Municipal Authority
Ulster Township, Bradford County

The above referenced operation permit is subject to the following special conditions:

A. A chemical "clean-in-place" procedure shall be conducted when the transmembrane pressure reaches 30 psi or quarterly, whichever occurs first.

B. The pH of the water in the membrane unit shall be measured after each chemical "clean-in-place" to ensure all cleaning agents have been adequately flushed from the system. The membranes may not be returned to service until the pH of the membrane unit effluent is within 1.0 pH unit of the raw water.

C. The frequency of reverse flow (backwash) cycles shall be no more than 3,000 gallons of flow through each module.

D. Each reverse flow cycle shall consist of an air scrub and reverse flow.

E. A membrane integrity test shall be conducted immediately after each chemical "clean-in-place".

F. A membrane integrity test shall be conducted daily on each membrane module. If any module is found not to meet the manufacturer's pressure hold specifications, it is to immediately be removed from service and appropriate repair measures taken.

G. Since turbidimeters will generally not be sensitive enough to detect membrane integrity problems until significant breakage has occurred, laser nephelometers are required on the permeate water. The laser nephelometers shall be placed such that one unit measures one rack of membrane units. These readings shall be monitored and recorded continuously. This data shall be stored for at least one year and submitted to the Department if requested.

H. Exceedance of any of the following operational control limits shall cause the programmable logic controller (PLC) to initiate immediate shutdown of the filtration system and trigger direct integrity testing:

   a) The permeate turbidity exceeds 0.15 NTU for two consecutive permeate turbidity readings taken 15 minutes apart.
   b) The log removal value (LRV) is less than 3.0. The LRV shall be determined through direct integrity testing to verify membrane integrity with a resolution of no more than 3 microns (μm) for Cryptosporidium removal credit as required by the Long Term 2 Enhanced Surface Water Treatment Rule.

   The permittee may petition the Department, in writing and stating just cause after commencement of operation, to change any of the operational control limits specified above. However, control limits may not be changed until the Department approves the request in writing.

I. The following information shall be recorded at the Municipal Authority filtration plant on a daily basis and submitted to the Department monthly:

1. Amount of water withdrawn from each source
2. Chemicals fed in pounds per day
3. Minimum free chlorine residual, recorded by the chlorine analyzer
4. Minimum water temperature and maximum pH at the CT point
5. Calculate CT and log inactivation at the CT point, based on I.3 and I.4 values
6. Operational problems and equipment failures

J. Well Nos. 1 and 2 are restricted to a maximum pumping rate of 100 gpm each. If the wells are pumped simultaneously, the combined pumping rate may not exceed 100 gpm due to hydraulic interconnection.

K. The Authority's certified operator shall complete the following forms and submit to the Department monthly: Membrane Filtration Control Limits DEP Notification Form and Pressure Decay Testing Monthly Report Form. (Refer to the attached forms and update with revisions, when available.)

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER SUPPLY MANAGEMENT

For Department Use Only

INTERNAL REVIEW AND RECOMMENDATIONS

NAME OF APPLICANT: Ulster Municipal Authority | PROJECT LOCATION: Ulster Township, Bradford County | APPLICATION NUMBER: Permit No. 0809503 – Operation

BRIEF DESCRIPTION OF PROJECT AND DISCUSSION (Use additional sheets if necessary)

On September 8, 2010, the Department conducted an inspection of the new filtration plant owned and operated by Ulster Municipal Authority. The inspection confirmed that construction was completed in accordance with approved modules, plans and specifications. Pennvest funding was awarded for this project. An interim inspection for Pennvest was completed at the same time. One final Change Order will be submitted.

On October 26, 2000, Ulster's sources, Well Nos. 1 and 2 were officially reclassified as groundwater under the direct influence of surface water. Chapter 109 of the Department's Regulations required that by October 26, 2004, Ulster construct and operate a permanent filtration plant or abandon the existing sources. A consent order and agreement was entered into on February 24, 2005.

A pilot study of a Pall Microza MF test skid unit was conducted from October 7, 2008 through November 12, 2008. On January 23, 2009, following a thorough review of pilot study data and the engineering report, the Department approved Ulster's full-scale use of the Pall Aria AP-3 Continuous Microfiltration System.

The new CMF plant was constructed at a location west of the existing Well Nos. 1 and 2. All existing treatment facilities will be abandoned upon start up of the new plant. The only existing water system components to be retained are Well Nos. 1 and 2, the distribution system and a 75,000 gallon finished water storage tank.

There are 2 wells that are permitted for use as raw water sources by the Authority. These wells are identified as Well No. 1 and Well No. 2, with old pumping capacities of 60 and 100 gpm, respectively. The wells are located in close proximity to each other. The wells are hydraulically interconnected and combined pumping rate may not exceed 100 gpm. Recently, Well No. 1 has experienced low flow conditions.

The Authority conducted a down-the-borehole video study of Well No. 1. Following this study, the Authority's geologist submitted a permit application for rehabilitation work. This application is currently under review by the Department. New submersible pumps are proposed for both wells. Each well will be equipped with a 5HP Grundfos stainless steel submersible pump model 150S50-2, each with a capacity of 100 gpm at 67 feet total dynamic head (TDH). A special condition has been added to the permit stating that the pumping rate of each well

CURRENT ESTIMATE OF COMPLETION DATE OF PROJECT (Industrial Wastes Only)

RECOMMENDATION AND ACTION

Approve	Return	Deny	Signature	Date
X			REVIEWING ENGINEER Anne Branch	9/13/10
			TECHNICAL SERVICES SECTION CHIEF	
			ENVIRONMENTAL PROGRAM MANAGER	

PERMIT CONDITIONS:

1. STANDARD -- None.

2. SPECIAL (Use additional sheets if necessary) -- This permit is subject to the attached special conditions A through K.

shall not exceed 100 gpm (the individual safe yield) or 100 gpm when pumping both wells simultaneously due to the hydraulic interconnection.

Raw water is pumped to the filter plant through a new master meter. The status and flow rate of the wells is monitored at the water treatment plant (WTP), and their operation is controlled by the water level in the clearwell. The wells are cycled "on" and "off" based on a configuration that ensures that sufficient raw water is provided to the WTP. The raw water line contains a raw water sample tap and a Hach 1720E turbidimeter. This instrument continually discharges water to the wastewater holding tank beneath a portion of the building.

Raw water may be treated at the filter plant with sodium hypochlorite and caustic soda. Typically, neither will be used for pretreatment. Liquid Metronics Inc. LMI Model AA951.D98HI pumps are provided for all disinfectant feed systems. These pumps have a capacity of 0.85gph at 110psi. Liquid Metronics Model AA941.352SI pumps are provided for both pH adjustment feed systems. These pumps have a capacity of 0.58gph at 250psi. A second identical feed pump is mounted and installed next to the primary feed pump for each system to provide backup feed capability. Feed rates are flow paced using a new turbo meter and Act-Pak controller. 50-gallon solution containers are located in a containment area. The pretreated water then flows through a Komax inline static mixer.

Next, water flows through one of two Pall Aria AP-3 Continuous Microfiltration System skid mounted units. Each unit is equipped with 8 filter modules. The modules are Pall Microza hollow-fiber polyvinylidene-fluoride (PVDF) membranes.

Each Pall Aria AP-3 membrane unit has its own programmable logic controller, pumps, feed tanks, valving, etc. All water enters a unit, flows through an Amiad SAF 4500 300-micron stainless steel prefilter to a feed water tank (described later in this narrative) located on each membrane rack system. A feed pump draws water from this tank and pushes it through the membrane filters to a clearwell.

The membranes are hollow fiber, with an outside-in flow, a nominal pore size of 0.1 micron and a surface area 538ft^2. The design flow rate per unit is based on a flux rate of 35 gfd. This corresponds to a production rate of approximately 100 gpm or 144,000 gpd. Based on the 2008 Primary Facility Report, the average daily usage was 69,064 gpd, with a peak daily usage of 75,600. There is more than 100% redundancy. Only 10% redundancy of the modules is required. The DEP Pennvest engineer was informed that the system has been overdesigned.

Each rack of membranes has its own "reverse flow" and "feed water" tanks. The reverse flow tank is a backwash supply tank. Each of these tanks are 180 gallons with a 36-inch diameter and 48-inch height. The water in the reverse flow tank comes directly from filter effluent water based on float controls in the tank. Every 30 minutes, the computer controlling membrane operation initiates a cleaning. A rack-mounted 20HP variable frequency drive centrifugal pump washes each membrane module on the rack simultaneously for a period of 30 seconds. The reverse filtration pumps are Gould's model SSH/6SH #6SH1N5D2.F2 J Box. During the next 30 seconds, an air scrub is performed by passing compressed air backwards through the membranes while producing normal production flows. All water used during the cleaning process is sent to the wastewater basin beneath the plant. There are two air compressors and one air receiver tank. The volume of air provided to the membranes is infinitely variable across its output range based on computer settings. A rack-mounted variable frequency drive centrifugal pump draws water from the feed water tank and pushes it through the membranes and into the clearwell. Each feed pump is a 30HP centrifugal Gould's model SSH/23SH #23SH1Q5HO and is controlled by a variable frequency drive unit. Water that is rejected from passing through the membranes is recycled to the feed water tank. An automatic blowoff drains from the bottom of the tank into the basement wastewater tank at an operator set frequency. The raw water quality determines the frequency necessary with more frequent or longer blowoff periods during high turbidity events. By operating the membrane units in this manner, the percent recovery of influent water should exceed 92-93%. Filtrate can be diverted to the wastewater tank if the computerized monitors detect elevated turbidity or other water quality problems such as high filtrate turbidities.

The wastewater tank has a nominal capacity of 13,440 gallons. The tank has dimensions of 24.5' x 16.5' x 4.5' deep (minimum). The floor slopes toward a sump pit where solids can be removed from the holding tank and sent to sludge drying beds. Supernatant is discharged to Toad Hollow Creek. The wastewater tank is separated from the clearwell by a four-foot void space.

Two sludge drying beds are provided. Each is 20'x20'x1.5'. Sludge is manually pumped to the beds from the wastewater holding tank. Filtrate water is discharged through a weir box to Toad Hollow Creek. Each bed contains 9 inches of "filter gravel" (3-3" layers), 4 inches of torpedo sand, and 12 inches of filter sand. The walls are constructed of concrete but the bottoms will be earthen. A geotextile fabric and 10-mil polyethylene liner lines the beds. Water Management Part I and II permits were issued related to the sludge drying beds and discharge.

A 1½ HP Gould's submersible sewage pump, series 2DM51F4NA, is provided for discharging supernatant from the holding tank to Toad Hollow Creek. Duplicate 1½ HP Gould's submersible sewage pumps, series 2DM51F4NA, are provided for removing solids from the holding tank and transferring to the sludge drying beds. All sewage pumps have capacities of 50 gpm at 30 feet TDH.

Hach LaserTrak model 660sc nephelometers (3) measure the filtrate turbidity from each rack of membranes and the clearwell effluent.

All filter operations are controlled by a self-contained computer system located on the end of each membrane rack. All valves, variable frequency pump settings, timers, and turbidity are recorded and/or controlled by this unit. Duplication is provided through the two racks, each with its own computer. Should one computer fail, the second rack will be the backup. If both computers fail, the units can be run manually, but the operator will need to set each valve on each membrane module every 15 minutes to accomplish the reverse flow and air scrub cycles.

Immediately following filtration, sodium hypochlorite is injected, followed by caustic soda.

All water then drops into a baffled clearwell beneath the building. The general baffling arrangement meets the EPA criteria of a superior baffled tank providing a 70% baffling factor. The volume of water in the tank, minus 8 intrabasin baffles, at a maximum depth of 8 feet is 40,851 gallons. At the minimum water depth of 6 feet, the clearwell volume is 30,638 gallons. This minimum level is maintained by variable frequency drives on the high service pumps. With one of the 2 high service pumps running at its rated 100 gpm and using a 70% baffle factor, a total of 214.5 minutes of detention time is available. The finished water pumps are Gould's 10HP vertical turbine pumps, 6 stage VIT-CI, with a capacity of 100 gpm at 263' TDH. These pumps fill the existing 75,000 gallon finished water storage tank which then gravity feeds the system.

A Hach CL17 chlorine residual analyzer (located on the clearwell effluent line) and alarm system is installed to notify operating personnel in the event of a chlorine feed failure.

The clearwell is 27' long by 10.7' wide by 6' deep minimum (with 8 intrabasin baffles) or 30,638 gallons. The tank has a theoretical baffling factor of 0.7.

	Total Minimum Volume (Gallons)	Assumed Baffle Factor	Effective Vol (Gallons)	Contact Time at 100 gpm (Minutes)
Clearwell (Min 6' Depth)	30,638	0.7	21,447	214.5

Under normal operating conditions, a one-log giardia inactivation is achieved as follows: With the filter operating (2-log giardia reduction), post-filter chlorination only and at design parameters of a pH of 8.0 and a temperature of 5° Celsius, the required CT value for one-log giardia inactivation with a chlorine concentration of

1.0 mg/l is 72, which corresponds to a detention time of 72 minutes. Therefore, as designed, with a contact time of 214.5 minutes, a minimum free chlorine residual of 0.31 mg/L is necessary on the chlorine residual analyzer.

Under emergency conditions, a 3-log giardia inactivation can be achieved by increasing the chlorine concentration. Adequate contact time will continue to be obtained in the clearwell. Assuming no log reduction across the filters and at the design parameters of a pH of 8.0 and a temperature of 5° Celsius, the required CT for a 3-log inactivation at a chlorine concentration of 3.0 mg/L is 268, which corresponds to a detention time of 89 minutes. Therefore, as designed, with a contact time of 214.5 minutes, a minimum free chlorine residual of 1.0 mg/L is necessary for 3-log inactivation. The above detention times are based on the EPA manual containing tracer study guidelines.

All water pumped by the high service pumps is measured by a 6-inch turbine meter. All turbidities and chlorine residuals are recorded by the PLC computer system associated with each membrane unit. A telephone alarm dialer is installed to dial programmable phone numbers based on any variety of plant alarms that the Authority chooses.

There is a sodium hypochlorination injection point on the line to the distribution system following the clearwell.

In addition to the new filtration facilities, a new transmission line transports raw water from Well Nos. 1 and 2 to the WTP. A new 227/480 volt three-phase electric service was constructed with installation of a standby generator.

There is no additional coordination with other Bureaus within the Department. It is recommended that a public water supply major permit amendment be issued for operation of a continuous microfiltration plant.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHCENTRAL REGIONAL OFFICE

December 22, 2010

CERTIFIED MAIL NO. 7010 1870 0001 7875 7533

Ulster Municipal Authority
PO Box 157
Ulster, PA 18850

Re: Public Water Supply
Minor Permit Amendment - Operation
Ulster Township, Bradford County

Dear Authority:

The Department conducted an operations inspection for Well #1 on December 21, 2010. Enclosed you will find Public Water Supply Minor Permit Amendment for rehabilitation of Well #1.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If the Department can be of any further assistance to you, please feel free to contact this office at 570-327-0540.

Sincerely,

John C. Hamilton, P.E.
Environmental Program Manager
Water Supply Management

cc: Travis Long
Tony Mattucci
File (2)
Hansfield

3800-FM-WSWM0043 Rev. 6/2001

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

PUBLIC WATER SUPPLY PERMIT

NO. Minor Amendment

A. PERMITTEE: (Name and Address)	B. PROJECT/PLANT LOCATION
Ulster Municipal Authority PO Box 157 Ulster, PA 18850	Municipality Ulster Township County Bradford

C. THIS PERMIT APPROVES FOR: 1. ☐ CONSTRUCTION 2. ☒ OPERATION OF FACILITIES

AS INDICATED BELOW: Approved Under Construction Permit No. Minor Amendment

Source	Facilities		BVRB
☒ Well(s)	☐ Impoundment	☐ General Corrosion Control	☐ Bottled Water System
☐ Spring(s)	☐ Settling	☐ Corrosion Control for lead/copper	☐ Bulk Water Hauling System
☐ Surface Water	☐ Filtration	☐ Disinfection	☐ Vended Water System
☐ Finished Water	☐ Iron and Manganese Treatment	☐ Pump Station(s)	☐ Retail Water Facility
	☐ Softening	☐ Transmission Lines	
	☐ Fluoridation	☐ Finished Water Storage	
	☐ Distribution Facility	☐ Other	

KNOWN AS Well #1 Screen replacement

LIMIT OF AUTHORIZATION

YOU ARE HEREBY AUTHORIZED TO CONSTRUCT OR OPERATE, AS INDICATED ABOVE, PROVIDED THAT FAILURE TO COMPLY WITH CHAPTER 109, OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.

THE PLANS, SPECIFICATIONS, REPORTS AND SUPPORTING DOCUMENTS SUBMITTED AS PART OF THE PERMIT APPLICATION BECOME PART OF THE PERMIT.

NO DEVIATIONS FROM APPROVED PLANS OR SPECIFICATIONS AFFECTING THE TREATMENT PROCESS OR QUALITY OF WATERS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT.

THIS PERMIT IS ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION UNDER THE AUTHORITY OF THE PENNSYLVANIA SAFE DRINKING WATER ACT, THE ACT OF MAY 1, 1984 (P.L. 206, NO. 43). OPERATION SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 109 ADOPTED UNDER THE AUTHORITY IN SECTIONS 4 AND 6(e) OF THE PENNSYLVANIA SAFE DRINKING WATER ACT.

THIS PERMIT IS SUBJECT TO THE ATTACHED SPECIAL CONDITIONS none

PERMIT ISSUED

Date 12/22/2010

DEPARTMENT OF ENVIRONMENTAL PROTECTION

By John C. Hamilton

Title Environmental Program Manager

Prepared 12/22/2010

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER MANAGEMENT

For Department Use Only

INTERNAL REVIEW AND RECOMMENDATIONS

NAME OF APPLICANT	Ulster Municipal Authority	PROJECT LOCATION	Ulster Township, Bradford County	APPLICATION NUMBER	Minor Amendment

BRIEF DESCRIPTION OF PROJECT AND DISCUSSION (Use additional sheets if necessary)

The Department issued a Construction Permit for the "Well No. 1 Screen Replacement" on November 4, 2010.

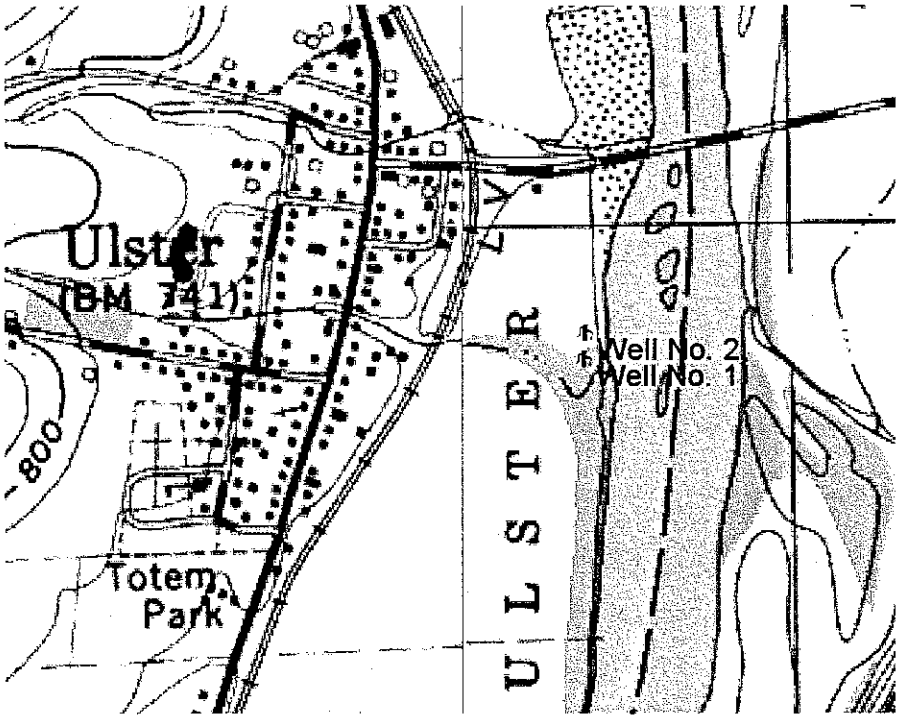
The Certificate of Construction/Modification was submitted to the Department on December 8, 2010.

The Department completed an inspection of the facilities on December 21, 2010.

Project Summary

Ulster Municipal Authority uses two wells, Well Nos. 1, and 2 as sources of supply. Both wells had reported yields of 100 gallons per minute when they were installed. The yield of Well No. 1 declined due to plugging of the well screen slots with fine-grained sand materials and iron oxides. The Well No. 1 screen was replaced to restore the yield.

Well No. 1 is located at 41° 50' 46.2" north latitude, 76° 29' 51.9" west longitude. Well No. 1 is situated on the floodplain of the Susquehanna River and is completed in a coarse sand and gravel aquifer. The well location is identified in the figure below (not to scale).



RECOMMENDATION AND ACTION				
Approve	Return	Deny	Signature	Date
✓			REVIEWING GEOLOGIST	12-22-10
X			PERMITS SECTION CHIEF	12/22/10
X			ENVIRONMENTAL PROGRAM MANAGER	12/22/10

INTERNAL REVIEW AND RECOMMENDATIONS

NAME OF APPLICANT	Ulster Municipal Authority	PROJECT LOCATION	Ulster Township, Bradford County	APPLICATION NUMBER	Minor Amendment

The project was inspected following construction and the facilities were constructed as authorized by the construction permit. In summary, the project involved demolition and removal of the building covering the well, excavating the mound down to the original grade, removing the plugged well screen and debris from the well, installing a new screen (five feet long, 0.100-inch slot, wire-wrapped, stainless steel, 8" telescoping screen, with 1-1/2 foot long K-Packer), well development and disinfection. Well No. 2 was taken off-line during the development of Well No. 1 because of the hydraulic connection between the wells.

Based on the information provided and the December 21, 2010 inspection, I recommend issuance of the operating permit.

Bethany Hess 12/22/2010

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

September 21, 2023

Mr. Frank Walker
Ulster Municipal Authority
23639 Route 220, P.O. Box 157
Ulster, PA 18850-0157

RE: Public Water Supply (PWSID 2080032)
Permit No. 0823501 - Construction; eFACTs AUTH ID 1447469
Ulster Township, Bradford County

Dear Mr. Walker:

Enclosed you will find the public water supply permit amendment no. 0823501 for construction. This permit grants permission to replace the existing sodium hypochlorite and caustic soda diaphragm chemical feed pumps with peristaltic metering pumps at the Ulster Filter Plant. Please comply with the Special Conditions attached to the permit.

Upon completion of construction of the proposed public water supply facilities, the "Certificate of Construction" signed by a responsible official must be properly completed and submitted to the Northcentral Regional Office along with VOC sample results and the **fee of $50**. A copy of this form can be found at http://www.depgreenport.state.pa.us/elibrary, Forms › Safe Drinking Water › Certificate of Construction.

This authorization does not relieve the applicant from applying for and obtaining any additional permits or approvals from local, state or federal agencies required for this project. Please be advised that if any other permits are required for this project, they must be issued prior to undertaking the activities described in those permit applications. Issuance of the enclosed permit(s) does not indicate an affirmative action on any other pending or future permit applications. If you are uncertain as to whether or not other permits are needed for this project, please use the Department's "Permit Application Consultation Tool" (PACT) which can be found at http://www.ahs.dep.pa.gov/PACT/. The online tool is designed to quickly and easily assist potential applicants in determining which types of environmental permits, authorizations or notifications would be needed for specific projects. Based on the user's responses to a series of simple questions, PACT automatically provides an email response with information on permits and other information an applicant should consider.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board's address is:

Environmental Hearing Board
Rachel Carson State Office Building, Second Floor
400 Market Street
P.O. Box 8457
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at http://ehb.courtapps.com or by contacting the Secretary to the Board at 717-787-3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

IMPORTANT LEGAL RIGHTS ARE AT STAKE. YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD AT 717-787-3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.

Should you have any questions, please feel free to contact me at 570-327-3490.

Sincerely,



Chad J. Miller, P.E.
Environmental Program Manager
Safe Drinking Water Program

cc: Irina Hott, P.E. (Email)
Mike Hess, Harrisburg (Email)
Jeff Schultz, Harrisburg (Email)
Bob Blaney (Email)
File

CJM/aeb

FRANK WALKER
ULSTER MUNI AUTH
23639 RT 220 PO BOX 157
ULSTER PA 18850-0157
ulsterwaterauthority@cableracer.com

IRINA HOTT PE
JHA COMPANIES
466 S MAIN ST
MONTROSE PA 18801
ihott@jhacompanies.com

TLong@jhacompanies.com

3900-PM-BSDW0043 Rev. 7/2023

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

PUBLIC WATER SUPPLY PERMIT

No. 0823501

A. PERMITTEE: (Name and Address)

Ulster Municipal Authority
23639 Route 220
PO Box 157
Ulster, PA 18850-0157

B. PROJECT/PLANT LOCATION

PWSID No. 2080032

Municipality Ulster Township

County Bradford

C. THIS PERMIT APPROVES FOR: 1. ☒ **CONSTRUCTION** 2. ☐ **OPERATION OF FACILITIES**
AS INDICATED BELOW: Approved Under Construction Permit No. _____

Source	**Facilities/Treatment**		**BVRB**
☐ Groundwater	☐ Impoundment	☐ General Corrosion Control	☐ Bottled Water System
☐ Purchased Groundwater	☐ Clarification	☐ Corrosion Control for Lead/Copper	☐ Bulk Water Hauling System
☐ Surface Water	☐ Filtration	☒ Disinfection	☐ Vended Water System
☐ Purchased Surface Water	☐ Iron and Manganese Treatment	☐ Pump Station(s)	☐ Retail Water Facility
	☐ Ion Exchange	☐ Organics Removal	
	☐ Fluoridation	☐ Treatment	
	☐ Distribution Facility	☒ Other pH Adjustment	

KNOWN AS Replacement of the existing sodium hypochlorite and caustic soda diaphragm chemical feed pumps at the Ulster Filter Plant. The new peristaltic metering pumps will be manufactured by Blue-White, model M1 FLEXFLO, each with a capacity of 0.0001 to 5.60 gph. Pre- and Post- injection points, free chlorine residual analyzer, day tanks, and containment areas will remain unchanged.

LIMIT OF AUTHORIZATION

YOU ARE HEREBY AUTHORIZED TO CONSTRUCT OR OPERATE, AS INDICATED ABOVE, PROVIDED THAT FAILURE TO COMPLY WITH CHAPTER 109, OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.

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NO DEVIATIONS FROM APPROVED PLANS OR SPECIFICATIONS AFFECTING THE TREATMENT PROCESS OR QUALITY OF WATERS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT.

THIS PERMIT IS ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION UNDER THE AUTHORITY OF THE PENNSYLVANIA SAFE DRINKING WATER ACT, THE ACT OF MAY 1, 1984 (P.L. 206, NO. 43). OPERATION SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 109 ADOPTED UNDER THE AUTHORITY IN SECTIONS 4 AND 6(e) OF THE PENNSYLVANIA SAFE DRINKING WATER ACT.

THIS PERMIT IS SUBJECT TO THE ATTACHED SPECIAL CONDITIONS A through C.

PERMIT ISSUED

Date 9/21/2023

DEPARTMENT OF ENVIRONMENTAL PROTECTION

By _____

Chad J. Miller, P.E.

Environmental Program Manager

Safe Drinking Water Program

Public Water Supply
Ulster Municipal Authority
Permit No. 0823501 – Construction
Ulster Township, Bradford County

SPECIAL CONDITIONS:

A. Upon completion of construction, the permittee shall submit the *Certificate of Construction*, photo documentation, and a $50 operation permit fee to DEP Northcentral Regional Office. A copy of the form can be found at http://www.depgreenport.state.pa.us/elibrary, Forms › Safe Drinking Water › Certificate of Construction. The modifications authorized under this permit shall not be put into use until an operation permit is obtained.

B. This permit shall expire within two (2) years from the issuance date unless substantial work is initiated. The permit may be renewed by the Department if the water supplier makes a written request for renewal prior to the expiration date.

C. The permittee is authorized to feed the following chemicals at Ulster Filter Plant:

Chemical:	Purpose:	Feed Point:
50 % Caustic Soda (NaOH)	Pre - pH Adjustment	Raw Water
	Post - pH Adjustment	Filtered Water Prior to Clearwell
12.5% Sodium Hypochlorite (NaOCl)	Pre - Disinfection	Raw Water
	Post - Disinfection	Filtered Water Prior to Clearwell

Chemical feed pumps shall be NSF Standard 61 certified. Chemicals shall be NSF Standard 60 certified.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER SUPPLY MANAGEMENT

For Department Use Only

INTERNAL REVIEW AND RECOMMENDATIONS

NAME OF APPLICANT	PROJECT LOCATION	APPLICATION NUMBER
Ulster Municipal Authority	Ulster Township, Northumberland County	0823501 - Construction

BRIEF DESCRIPTION OF PROJECT AND DISCUSSION (Use additional sheets if necessary)

On July 18, 2023, the Department accepted the above referenced construction permit application from Ulster Municipal Authority. The applicant requested permission to replace the sodium hypochlorite and caustic soda diaphragm chemical feed pumps with peristaltic metering pumps. This project was published in the Pennsylvania Bulletin on July 29, 2023. As of the date of permit issuance, no comments have been received. A Pennsylvania Natural Diversity Inventory (PNDI) search was not conducted because all work will occur within the existing Ulster Filter Plant.

PWS Permit No. 0809503 approved operation of the Ulster Filter Plant, including two GUDI well sources (Well Nos. 1 and 2), pre- and post- 12.5% sodium hypochlorite disinfection, pre- and post- 50% caustic soda pH adjustment, two Pall Aria AP-3 membrane filtration racks (8 modules each), and a 40,851-gallon clearwell. The original permit approved the use of LMI, model AA951.D98HI, diaphragm pumps for both disinfectant feed systems. It also approved the use of LMI, model AA941.352SI, diaphragm pumps for both pH adjustment feed systems. Note that the Design Engineer's Report submitted with the present application indicated that the existing pH adjustment diaphragm pumps are now Stenner, model SVP4-1A3S2AA, pumps. It is unclear when the LMI pumps were replaced by the Stenner pumps. Regardless, the current application requests permission to replace all existing diaphragm pumps with new NSF Standard 61 certified peristaltic pumps. The new pumps will be manufactured by Blue-White, model M1 FLEXFLO, each with a capacity of 0.0001 to 5.60 gph. Pre- and Post- injection points, free chlorine residual analyzer, day tanks, and containment areas will remain unchanged. Dosage calculations were provided in the Engineer's Report for all four injection points and confirmed that the proposed pumps are acceptable.

There is no coordination with other Bureaus within the Department. It is recommended that Public Water Supply Permit No. 0823501 for construction be issued.

CURRENT ESTIMATE OF COMPLETION DATE OF PROJECT (Industrial Wastes Only)

RECOMMENDATION AND ACTION

Approve	Return	Deny	Signature	Date
X			REVIEWING ENGINEER Anna Barnicle	9/19/2023
X			TECHNICAL SERVICES SECTION CHIEF	9/21/23
X			ENVIRONMENTAL PROGRAM MANAGER	9/21/2023

PERMIT CONDITIONS:

1. STANDARD -- None.

2. SPECIAL (Use additional sheets if necessary) – This permit is subject to the attached Special Conditions A through C.

****

Exhibit J

NPDES Permit

****

JHA SURVEYING ENGINEERING ENVIRONMENTAL ARCHITECTURE

ULSTER MUNICIPAL AUTHORITY

ULSTER WATER TREATMENT PLANT

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

APPLICATION FOR INDIVIDUAL PERMIT TO DISCHARGE INDUSTRIAL WASTEWATER

NPDES PERMIT NO. PA0233811

PREPARED FOR:

ULSTER MUNICIPAL AUTHORITY
23954 ROUTE 220
PO BOX 157
ULSTER, PA 18850

AUGUST 2024

ULSTER MUNICIPAL AUTHORITY

ULSTER WATER TREATMENT PLANT

NPDES-IW (PA0233811) RENEWAL

TABLE OF CONTENTS

SECTION	**DESCRIPTION**
Cover Letter	
1	NPDES Permit Application
2	Influent Analytical Laboratory Report
3	Effluent Analytical Laboratory Reports
4	General Information Form
5	Municipal Notifications
6	Topographic Map & Single Line Diagram

August 2, 2024

PA Dept. of Environmental Protection
NCRO – Clean Waters Program
208 West Third Street, Suite 101
Williamsport, PA 17701

RE: Ulster Municipal Authority
Water Treatment Plant
IW-NPDES Renewal (PA0233811)
Ulster Township, Bradford County

To whom it may concern,

On behalf of Brady Township Troutville Borough Water Association, JHA Companies herewith respectfully submits the NPDES-IW renewal permit package for their Water Treatment Plant, set to expire January 31, 2025. Besides the forthcoming laboratory reports and signed green cards, we trust the application to be found complete and submitted by the permit resubmission date of 180 days (August 4, 2024) prior to expiration.

Should you have any questions or wish to discuss the permit package further, please do not hesitate to contact our office at your convenience.

Respectfully Submitted,
JHA Companies

Jessica L. Zajac
Environmental Scientist

2018-470 UMA/Docs/NPDES Renewals

Cc: Ulster Municipal Authority
File

SECTION 1

NPDES PERMIT APPLICATION

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) APPLICATION FOR INDIVIDUAL PERMIT TO DISCHARGE INDUSTRIAL WASTEWATER

APPLICANT'S ✓ CHECKLIST

Applicant Name	Ulster Municipal Authority

Check the following list to make sure you have included all the required information. Place a checkmark in the box provided for all items completed and/or provided.

ENCLOSE THIS CHECKLIST WITH YOUR COMPLETED APPLICATION. FAILURE TO SUBMIT ALL REQUIRED INFORMATION MAY RESULT IN DENIAL OF THE APPLICATION.

	REQUIREMENTS	Check ✓ If Included	DEP Use Only
1.	Application Fee (new applications only). Amount Enclosed $ _____	N/A	☐
2.	One signed original and two copies of the *completed* application with all applicable Analytical Results Tables (One copy if submitted electronically through the Public Upload tool).	☒	☐
3.	One additional copy of application for ECHD (if located in Erie County).	N/A	☐
4.	One copy of application mailed to Delaware River Basin Commission (if discharge is in the Delaware River Basin)	N/A	☐
5.	One copy of the General Information Form (4700-PM-CEE0001).	☒	☐
6.	Proper evidence of Act 14 municipal and county notifications.	☒	☐
7.	Evidence of newspaper publication for four consecutive weeks (new and modified discharges only)	N/A	☐
8.	Copy of topographic map treatment facilities, intake structures, and outfalls.	☒	☐
9.	Site plan identifying significant site features.	☒	☐
10.	Line drawing / process flow diagram illustrating the flow of water and wastewater through the facility(ies), with a water balance.	☒	☐
11.	Chemical Additives Notification Form(s) (if applicable).	☒	☐
12.	Whole Effluent Toxicity Test Reports / WET Analysis Spreadsheet (if applicable).	N/A	☐
13.	Documentation supporting variance requests (if applicable)	N/A	☐
14.	Preparedness, Prevention and Contingency (PPC) Plan (optional)	N/A	☐
15.	Module 1 – Stormwater, and attachments (if applicable).	N/A	☐
16.	Module 2 – Groundwater Remediation, and attachments (if applicable).	N/A	☐
17.	Module 3 – Aquatic Animal Production Facilities, and attachments (if applicable)	N/A	☐
18.	Module 4 – Anti-Degradation, and attachments (if applicable)	N/A	☐
19.	Module 5 – Cooling Water Intake Structures, and attachments (if applicable)	N/A	☐
20.	Optional site-specific data: _____	N/A	☐

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
APPLICATION FOR INDIVIDUAL PERMIT TO DISCHARGE
INDUSTRIAL WASTEWATER

Before completing this form, please read the instructions (3800-PM-BCW0008a). FAILURE TO FOLLOW THE INSTRUCTIONS MAY RESULT IN DENIAL OF THE APPLICATION.

Related ID#s (If Known)				DEP USE ONLY
Client ID#	6483	**APS ID#**		Date Received:
Site ID#	259906	**Facility ID#**	722245	Permit No.:
				Auth ID: PDG?

GENERAL INFORMATION

Applicant/Operator Name	**Ulster Municipal Authority**	**25 Pa. Code § 92a.26 Fee Category** *(See instructions for fees)*

☐ New Permit (Anticipated Discharge Date: _____)
☒ Permit Renewal: NPDES No. PA **0233811**
Permit Expiration Date: 01/31/2025
Permit Renewal Application Due Date: 08/04/2024
WQM Permit No(s).: 0809201
WQM Permit Issuance Date(s): 08/17/2009
Currently Using eDMR System? ☒ Yes ☐ No Start Date: 10/2018

☒ Minor facility without ELG
☐ Minor facility with ELG
☐ Major facility < 250 MGD
☐ Major facility ≥ 250 MGD
☐ CAAP

Is applicant a "small business"?
☐ Yes ☒ No

Will the applicant accept the draft and final permit electronically? ☒ Yes ☐ No Email: ulsterwaterauthority@cableracer.com

Is there on-site sewage treatment facility? ☐ Yes ☒ No
If Yes, is the facility operated by operator(s) certified in compliance with the Operators Certification Act? ☐ Yes ☐ No

Describe the nature of the business or operations resulting in discharge(s): **This facility is a potable water treatment plant serving the Village of Ulster. The water treatment process involves filter backwashing on a time/volume basis with potable water discharging into a settling tank, where solids settle out and the supernatant is discharged to outfall 001. Solids are periodically pumped to a sand drying bed with underdrains discharging to outfall 001. Instrument drains within the facility discharge to this tank. Monitoring of this wastestream occurs daily. No sewage is associated with this wastestream.**

SIC Code	Primary?	Description	NAICS Code	Primary?	Description
49	Yes	Sanitary Services	221310	Yes	Utilities, Water, Sewage and Other Systems, Water Supply

OTHER ENVIRONMENTAL PERMITS

Type of Permit	Agency That Issued Permit	Date Issued
Public Water Supply - Construction	PADEP - Water Supply Program	07/06/2009
Public Water Supply - Operations (#0809503)	PADEP - Water Supply Program	09/14/2010
Chapter 105 - GP4 Outfall (GP040809503)	PADEP = Waterway and Wetlands	05/22/2009
Erosion and Sedimentation Plan	Bradford County Conservation District	05/21/2009

DISCHARGE INFORMATION

1. Attach a site plan, a line drawing with a water balance, and topographic map(s) that present the information requested in the instructions. Attached: ☒ Yes ☐ No

2. Total Hardness Upstream of Process Wastewater Outfall (mg/L): _____ Basis: _____

Applicant Name:

3. List all discharge points (outfalls) and internal monitoring points (IMPs). If numbers were previously assigned in a permit, use those numbers. Order sequentially and use additional pages as necessary.

Outfall / IMP No.	LATITUDE			LONGITUDE			RECEIVING WATERS			
	Deg	Min	Sec	Deg	Min	Sec	Name of Receiving Waters	Ch. 93 Class.	Impaired?	TMDL?
001	41	50	47	76	30	03	Toad Hollow	WWF	☐	☐
									☐	☐
									☐	☐
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4. List all outfalls and IMPs in the same order as in question 2, above, and provide the requested information. Attach additional pages as necessary. See instructions.

Outfall / IMP No.	DISCHARGE CHARACTERIZATION							Design Flow (MGD)	Average Flow During Production / Operation (MGD)	Maximum Flow During Production / Operation (MGD)
	Process	Non-Process	Stormwater	Sewage	Groundwater	AAPF	Combined			
001	☒	☐	☐	☐	☐	☐	☐	0.010	0.005	0.010
	☐	☐	☐	☐	☐	☐	☐			
	☐	☐	☐	☐	☐	☐	☐			
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	☐	☐	☐	☐	☐	☐	☐			
	☐	☐	☐	☐	☐	☐	☐			

Applicant Name:

5. List all outfalls and IMPs in the same order as in questions 2 and 3, above, and provide the requested information. Attach additional pages as necessary. See instructions.

Outfall / IMP No.	Wastewater or Stormwater Description	Discharge Type	Frequency		Batch Discharges		
			Hours / Day	Days / Week	No. Discharge Cycles/Day	Length of Discharge Cycle (Hrs)	Batch Discharge Rate (MGD)
001	Process Wastewater	Continuous	24	7			

TREATMENT FACILITY INFORMATION

Complete this sheet for each existing and proposed industrial waste, sewage and/or stormwater treatment facility (one sheet per facility).

Treatment Facility Name: Ulster Municipal Authority - Membrane Water Treatment Facility	Effluent Discharged To Outfall / IMP No.: 001

1. Provide a narrative description of the wastewater treatment process. Attach a line drawing or process flow diagram to the application.

   This facility is a potable water treatment facility, with its source being GUDI Wells. Raw water is filtered by 0.1 micron membrane filters, with the option of adding 12.5% sodium hypochlorite for biological control and/or causitc soda for pH adjustment if deemed necessary by the operations staff. Post filtration chemical addition consists of the 12.5% sodium hypochlorite for disinfection and cauistc soda (when applicable) for pH adjustment. The filters backwash on a time/volume basis using potable water for the backwash rinsing process. Periodically (min of quarterly; average of monthly) the filters undergo a more intensive cleaning process using a manufacturer recommended solution of caustic soda, followed by citric acid, and sodium hypochlorite cyclic process for cleaning of typical organic and inorganic foulants. All chemicals are NSF/ANSI 60 certified, meeting consumption standards for drinking water treatment chemicals. All backwash water and instrument drains are conveyed to a 10,000 gallon concrete settling tank, where solids are allowed to preciptiate out and water quality adjustments can be made (i.e. dechlorination, pH adjustment) as necessary to meet discharge limits. The supernatant is discharged throught a V-notch weir and continuously monitored for flow (totalizer). A decant pump is provided to draw down the tank in preparation for the more intensive cleaning process, and two (2) solids dewatering pumps are provided to convey accumpulated solids to the facilities sand drying beds. Solids are allowed to dewater with an underdrain system collecting the filtered water and conveying to the permitted outfall (001). Solids depth in the dyring bed is monitored and when deemed necessary is collected, analyzed and properly disposed of at a permitted landfill. Please refer to attached process flow/straigh line diagram.

2. List each treatment unit at the facility in sequential order of treatment.

Treatment Unit Description	Method for Handling and Disposal of Solid or Liquid Residue Resulting from Treatment
Wastewater Settling Tank	Wastewater (liquid) monitored, treated as necessary and discharged to receiving waterway; solids conveyed to sand drying beds
Sand Drying Beds	Settled solids in the wastewater settling tank are conveyed to the sand drying bed, where gravity filtration through various layers of sand and gravel occur further removing solids. The filtered water is conveyed to the outfall. Solids accumulated are collected, and properly disposed of in a landfill.

3. Describe any proposed upgrades to this treatment facility within the next five years.

   No upgrades are proposed at this treatment facility.

4. Identify all chemicals that have been used for wastewater treatment over the past two years.

Chemical Name	Purpose	Max Usage Rate	Units	Acrylamide?
Liquid Caustic Soda (25%)	pH adjustment	2	gallons	☐
Citric Acid	pH adjustment	2	gallons	☐
				☐

5. List any additional proposed wastewater treatment chemicals anticipated in the next five years.

Chemical Name	Purpose	Max Usage Rate	Units	Acrylamide?
				☐
				☐
				☐
				☐

CHEMICAL ADDITIVES

1. Identify all chemical additives that have been introduced to any waste stream over the past two years.

Chemical Additive Name	Outfall / IMP No.	Purpose	Usage Frequency	Max Usage Rate	Units
Sodium Hypochlorite	001	Disinfection within the potable water treatment process	continuous	5	mg/L
Caustic Soda	001	pH adjustment	intermittent	5	gallons
Citric Acid	001	pH adjustment	intermittent	8	gallons
Sodium Sulfite	001	Dechlorination	intermittent	3	mg/L

2. List all chemical additives that the applicant is requesting approval to use upon issuance of the permit by DEP. Identify the point of introduction on a line or process diagram.

Chemical Additive Name	Outfall / IMP No.	Purpose	Proposed Usage Frequency	Proposed Max Usage Rate	Units
Sodium Hyphochlorite	001	Disinfection	conitnuous	5	mg/L
Caustic Soda	001	pH adjustment	intermittent	5	gallons
Citric Acid	001	pH adjustment	intermittent	8	gallons
Sodium Sulfite	001	Dechlorination	intermittent	3	mg/L

3. List all chemical additives in the same order as question 2, above, and provide the requested information. For chemical additives that are not on DEP's Approved List, submit New Chemical Additive Request Form(s) to DEP's Central Office. For chemical additives that are on DEP's Approved List but a Chemical Additives Notification Form was not previously submitted, attach a Chemical Additives Notification Form to the application.

Chemical Additive Name	On Approved List?	Notification Form Attached?	Notification Form Previously Submitted?	Notification Form Submission Date	Analytical Method
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		

PRODUCTION DATA FOR EFFLUENT LIMITATION GUIDELINES (ELGs)

Complete this section for each production line with an applicable ELG. See instructions and use additional sheets as necessary.

1. Production line and process description: **Not Applicable**
2. Applicable ELG: 40 CFR: Subpart:
3. Is this production considered a new source? ☐ Yes ☐ No
4. Outfall / IMP No. receiving wastewater: _____
5. Units of production measurement for ELG: _____
6. Design production capacity: _____
7. Complete the table below for the five last years of production. Report production data using the same units of measurement as reported in question 5.

Parameter	Production Years				
	20	20	20	20	20
Total Annual Production					
Max Monthly Production					
Month of Max Production					
Avg Annual Production					
Avg Production Hours/Day					
Avg Production Days/Month					
Avg Annual Water Usage (MGD)					
Avg Annual Wastewater Flow (MGD)					

8. Average annual production over the past five years: _____ Units: _____
9. Anticipated average annual production for the next five years: _____ Units: _____
10. Explain the basis for the anticipated average annual production for the next five years:

11. Attach any pertinent information from the applicable ELG in 40 CFR that would allow DEP to appropriately determine technology-based effluent limitations.

ANTI-DEGRADATION

If the applicant is proposing a new or increased discharge to High Quality (HQ) or Exceptional Value (EV) waters, Module 4 (Anti Degradation Module) must be attached to the application. In addition, for HQ waters only, if the analysis concludes that the new or increased discharge will produce a measurable change in water quality, a social or economic justification (SEJ) must be attached if the applicant desires approval for the discharge.

1. Is the Anti-Degradation Module (Module 4) attached to the application? ☐ Yes ☒ No
2. Is a social or economic justification (SEJ) (HQ waters only) attached to the application? ☐ Yes ☒ No

VARIANCES

If the applicant is requesting a variance authorized under federal regulations at 40 CFR 122.21(m), complete the section below and attach to this application documentation necessary under federal regulations to support the variance request.

1. Description of variance requested: **N/A**
2. Federal regulation authorizing the variance: **N/A**
3. Supporting documentation attached to the application? ☐ Yes ☒ No

LABORATORY INFORMATION

Did an off-site laboratory perform any of the analyses required by this application? ☒ Yes ☐ No
If Yes, provide the information below.

Name	**Pace Analytical**	Analyses Performed:
Address	**2019 9th Ave, Altoona, PA 16602**	Group I & II Pollutants, Total Hardness
Phone	(**814**) **946-4306**	
Name		Analyses Performed:
Address		
Phone	( )	

COMPLIANCE HISTORY REVIEW

Is the facility owner or operator in violation of any DEP regulation, permit, order or schedule of compliance at this or any other facility?
☐ Yes ☒ No

If Yes, list each permit, order or schedule of compliance and provide compliance status. Use additional sheets as necessary.

Permit Program:		Permit No.:	
Permit Program:		Permit No.:	
Permit Program:		Permit No.:	

Brief Description of Non-Compliance:
Not Applicable

Steps Taken to Achieve Compliance	Date(s) Compliance Achieved

Current Compliance Status: ☒ In Compliance ☐ In Non-Compliance

POLLUTANT IDENTIFICATION AND ANALYSIS

1. Summary of Required Analyses (see instructions):

Outfall / IMP No.	Pollutant Groups which must be sampled for and analyzed							Other Pollutants Analyzed
	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	
001	☒	☒	☐	☐	☐	☐	☐	
	☐	☐	☐	☐	☐	☐	☐	
	☐	☐	☐	☐	☐	☐	☐	
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	☐	☐	☐	☐	☐	☐	☐	

2. Is screening for 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) required? ☐ Yes ☒ No

Method used:	Describe results:

3. Other Potentially Toxic Pollutants Known or Expected to be Present in the Discharge.

a. GC/MS "Five Peaks" Pollutants (see instructions).

Outfall / IMP No.	Group Number (3 - 6)	Chemical or Compound Name	Quantitation Limit (µg/L)	Avg Effluent Concentration (µg/L)	Max Effluent Concentration (µg/L)	No. Samples Positive / No. Analyzed
						/
						/
						/
						/
						/

b. Other Potential Pollutants.

Outfall / IMP No.	Chemical Substance or Compound Name	Reason/Suspected Reason for Presence in Discharge	Avg Concentration (µg/L)	Indicate if Presence is Known (K) or Suspected (S)

☐ If additional peaks were not available for one or more groups with the method used check here and attach an explanation of why the method was selected.

4. Additional Analysis Results Tables may be attached to provide any of the optional site-specific information discussed in Appendix A of the instructions.
Optional site-specific data is attached to this application? ☐ Yes ☒ No

WHOLE EFFLUENT TOXICITY

1. Summarize the results of all Whole Effluent Toxicity (WET) tests completed in the last five years (or attach a separate sheet with these results). If required by the NPDES permit, attach a copy of DEP's WET Analysis Spreadsheet to the application (electronic transmission to DEP is acceptable) that provides replicate data for all species tested and for the most recent four consecutive tests.

   Outfall No. Tested: **Not Applicable**

   Type of tests completed: ☐ Chronic ☐ Acute

   Dilution series used: %, %, %, %, and % effluent

   Target Instream Waste Concentration (TIWC): % effluent

	Ceriodaphnia Results (% Effluent)			Pimephales Results (% Effluent)			
Test Date	Survival NOEC	Reproduction NOEC	LC50	Survival NOEC	Growth NOEC	LC50	Pass or Fail

2. Describe the status of any Phase I or II Toxicity Reduction Evaluation (if applicable):

PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN

The applicant may optionally attach its PPC Plan or related plan to the application. This information may be useful to DEP in completing its review of the application. If the PPC Plan is not attached to the application, DEP may request submission of the Plan during the review. Electronic transmission of large PPC Plans is encouraged.

Type or Description of Plan (e.g., PPC, SPCC, etc.)	Attached?	Date of Latest Plan Update
	☐	
	☐	
	☐	

COOLING WATER INTAKE STRUCTURES

1. Does the facility use cooling water? ☐ Yes ☒ No If no, the rest of this section may remain blank

2. Identify the source(s) of cooling water: ☐ Surface water ☐ Groundwater ☐ Treated effluent
☐ Public water system (Potable): PWS ID: _____ ☐ Public water system (Raw): PWS ID: _____
☐ Independent supplier: _____ ☐ Other: _____

3. Facility Type: ☐ New Facility ☐ New Offshore O&G Facility ☐ Existing Facility ☐ below 2 MGD or 25% cooling

4. Is Module 5 is attached to this application? ☐ Yes ☐ No

5. Number of CWISs at facility:

6. CWIS Flow Data:

CWIS ID No.	DIF (MGD)	AIF (MGD)	Max Screen Velocity (fps)	% Used for Cooling	% Mean Annual Flow

7. Type of CWIS Location:

CWIS ID No.	Type (check box):				
	☐ Intake Canal	☐ Embayment, Bank or Cove	☐ Submerged Offshore Intake	☐ Near-shore Submerged Intake	☐ Shoreline Submerged Intake
	☐ Intake Canal	☐ Embayment, Bank or Cove	☐ Submerged Offshore Intake	☐ Near-shore Submerged Intake	☐ Shoreline Submerged Intake
	☐ Intake Canal	☐ Embayment, Bank or Cove	☐ Submerged Offshore Intake	☐ Near-shore Submerged Intake	☐ Shoreline Submerged Intake

8. Describe all Impingement Control Technologies employed:

9. Describe all Entrainment Control Technologies employed:

10. Has the facility conducted any impingement or entrainment studies in the last 10 years? ☐ Yes ☐ No If yes, attach the results

11. Attach any information required by your current permit to the application (existing facilities only)

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 1 OF 2)

Note: Additional results forthcoming

Please read instructions carefully before completing this form.

APPLICANT NAME	Ulster Municipal Authority

☒ **Outfall / IMP Number 001** (Show location of sampling point on Line Drawing)
☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)
☐ Intake Sampling Results (Specify Source: _____)
☐ Background (Upstream) Sampling Results (Specify Location: _____)
☐ New Discharge (Basis for Information: _____)

POLLUTANT GROUP 1 PARAMETERS	CONCENTRATION / MASS PRESENT						No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value					
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
BOD_5 (mg/L)										
COD (mg/L)										
TOC (mg/L)										
TSS (mg/L)										
Ammonia-Nitrogen (mg/L)										
Temperature (Winter) (°F)		XXX		XXX		XXX		XXX	XXX	
Temperature (Summer) (°F)		XXX		XXX		XXX		XXX	XXX	
pH – Minimum (S.U.)	6.42	XXX	XXX	XXX	6.67	XXX	427	XXX	XXX	
pH – Maximum (S.U.)	8.04	XXX	XXX	XXX	7.35	XXX	427	XXX	XXX	
Fecal Coliform (No./100 mL)		XXX		XXX		XXX			XXX	
Oil and Grease (mg/L)										
TRC (mg/L)	0.01/0.30	XXX	0.20	XXX	0.095	XXX	427			
Total Phosphorus (mg/L)										
TKN (mg/L)										
Nitrite + Nitrate-Nitrogen (mg/L)										
Total Dissolved Solids (mg/L)										
Color (Pt-Co Units)		XXX		XXX		XXX				
Bromide (mg/L)										
Chloride (mg/L)										
Sulfate (mg/L)										
Sulfide (mg/L)										
Surfactants (mg/L)										
Fluoride (mg/L)										
Total Hardness (mg/L)										

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 2 OF 2)

Note: Additional results forthcoming

Please read instructions carefully before completing this form.

APPLICANT NAME	Ulster Municipal Authority

☒ **Outfall / IMP Number 001** (Show location of sampling point on Line Drawing)
☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)
☐ Intake Sampling Results (Specify Source: _____)
☐ Background (Upstream) Sampling Results (Specify Location: _____)
☐ New Discharge (Basis for Information: _____)

POLLUTANT GROUP 1 PARAMETERS	CONCENTRATION / MASS PRESENT						No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value					
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Perfluorooctanoic acid (PFOA) (ng/L)										
Perfluorooctanesulfonic acid (PFOS) (ng/L)										
Perfluorobutanesulfonic acid (PFBS) (ng/L)										
Hexafluoropropylene oxide dimer acid (HFPO-DA) (ng/L)										

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 1 OF 2)

Note: Additional results forthcoming

Please read instructions carefully before completing this form.

APPLICANT NAME	Ulster Municipal Authority

☐ **Outfall / IMP Number** _____ (Show location of sampling point on Line Drawing)
☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)
☒ Intake Sampling Results (Specify Source: _____)
☐ Background (Upstream) Sampling Results (Specify Location: _____)
☐ New Discharge (Basis for Information: _____)

POLLUTANT GROUP 1 PARAMETERS	CONCENTRATION / MASS PRESENT						No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value					
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
BOD_5 (mg/L)										
COD (mg/L)										
TOC (mg/L)										
TSS (mg/L)										
Ammonia-Nitrogen (mg/L)										
Temperature (Winter) (°F)		XXX		XXX		XXX		XXX	XXX	
Temperature (Summer) (°F)		XXX		XXX		XXX		XXX	XXX	
pH – Minimum (S.U.)		XXX	XXX	XXX		XXX		XXX	XXX	
pH – Maximum (S.U.)		XXX	XXX	XXX		XXX		XXX	XXX	
Fecal Coliform (No./100 mL)		XXX		XXX		XXX			XXX	
Oil and Grease (mg/L)										
TRC (mg/L)		XXX		XXX		XXX				
Total Phosphorus (mg/L)										
TKN (mg/L)										
Nitrite + Nitrate-Nitrogen (mg/L)										
Total Dissolved Solids (mg/L)										
Color (Pt-Co Units)		XXX		XXX		XXX				
Bromide (mg/L)										
Chloride (mg/L)										
Sulfate (mg/L)										
Sulfide (mg/L)										
Surfactants (mg/L)										
Fluoride (mg/L)										
Total Hardness (mg/L)										

Note: Additional results forthcoming

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 2 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Ulster Municipal Authority

☐ **Outfall / IMP Number** _____ (Show location of sampling point on Line Drawing)
☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)
☒ Intake Sampling Results (Specify Source: _____)
☐ Background (Upstream) Sampling Results (Specify Location: _____)
☐ New Discharge (Basis for Information: _____)

POLLUTANT GROUP 1 PARAMETERS	CONCENTRATION / MASS PRESENT						No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value					
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Perfluorooctanoic acid (PFOA) (ng/L)										
Perfluorooctanesulfonic acid (PFOS) (ng/L)										
Perfluorobutanesulfonic acid (PFBS) (ng/L)										
Hexafluoropropylene oxide dimer acid (HFPO-DA) (ng/L)										

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 2

Note: Additional results forthcoming

Please read instructions carefully before completing this form.

APPLICANT NAME	Ulster Municipal Authority

☒ **Outfall / IMP Number 001** (Show location of sampling point on Line Drawing)
☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)
☐ Intake Sampling Results (Specify Source: _____)
☐ Background (Upstream) Sampling Results (Specify Location: _____)
☐ New Discharge (Basis for Information: _____)

POLLUTANT GROUP 2 PARAMETERS	CONCENTRATION / MASS PRESENT						No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value					
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Aluminum, Total (µg/L)										
Antimony, Total (µg/L)										
Arsenic, Total (µg/L)										
Barium, Total (µg/L)										
Beryllium, Total (µg/L)										
Boron, Total (µg/L)										
Cadmium, Total (µg/L)										
Chromium, Total (µg/L)										
Chromium, Hexavalent (µg/L)										
Cobalt, Total (µg/L)										
Copper, Total (µg/L)										
Cyanide, Total (µg/L)										
Iron, Total (µg/L)	<200/<200	<0.00229/ <0.03551	<200	<0.03058	<200	<0.03058	55	55	200	EPA 200.7/4.4
Iron, Dissolved (µg/L)										
Lead, Total (µg/L)										
Manganese, Total (µg/L)	20.0/378.0	<0.0002/ 0.0277	109.5	<0.0081	26.88	<0.0215	55	54	20	EPA 200.7/4.4
Mercury, Total (µg/L)										
Molybdenum, Total (µg/L)										
Nickel, Total (µg/L)										
Phenols, Total (µg/L)										
Selenium, Total (µg/L)										
Silver, Total (µg/L)										
Thallium, Total (µg/L)										
Zinc, Total (µg/L)	<20.0/<20.0	<0.0004/ <0.0025	<20	<0.0025	<20	<0.0025	5	5	20	EPA 200.7/4.4

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 2

Note: Additional results forthcoming

Please read instructions carefully before completing this form.

APPLICANT NAME	

☐ **Outfall / IMP Number** _____ (Show location of sampling point on Line Drawing)
☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)
☒ Intake Sampling Results (Specify Source: _____)
☐ Background (Upstream) Sampling Results (Specify Location: _____)
☐ New Discharge (Basis for Information: _____)

POLLUTANT GROUP 2 PARAMETERS	CONCENTRATION / MASS PRESENT						No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value					
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Aluminum, Total (µg/L)										
Antimony, Total (µg/L)										
Arsenic, Total (µg/L)										
Barium, Total (µg/L)										
Beryllium, Total (µg/L)										
Boron, Total (µg/L)										
Cadmium, Total (µg/L)										
Chromium, Total (µg/L)										
Chromium, Hexavalent (µg/L)										
Cobalt, Total (µg/L)										
Copper, Total (µg/L)										
Cyanide, Total (µg/L)										
Iron, Total (µg/L)										
Iron, Dissolved (µg/L)										
Lead, Total (µg/L)										
Manganese, Total (µg/L)										
Mercury, Total (µg/L)										
Molybdenum, Total (µg/L)										
Nickel, Total (µg/L)										
Phenols, Total (µg/L)										
Selenium, Total (µg/L)										
Silver, Total (µg/L)										
Thallium, Total (µg/L)										
Zinc, Total (µg/L)										

Applicant Name:

OTHER TOXIC POLLUTANTS AND HAZARDOUS SUBSTANCES TABLE

Other Pollutants Which Must Be Identified If Known or Expected To Be Present in Discharges

Please read instructions carefully before completing this form

Outfall No.	Chemical Substance or Compound	Reason for Presence in Discharge	Avg Effluent Concentration (µg/L)	Max Effluent Concentration (µg/L)	No. of Analyses	Quantitation Limit (µg/L)
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Is the applicant requesting a hazardous substance spill reporting requirement exemption for any of the substances listed in Attachment A, Table 3 of the instructions?

☐ Yes ☒ No (If Yes, attach the information specified in the instructions).

CERTIFICATION AND SIGNATURE OF APPLICANT	
I certify under penalty of law that this document and all attachments and modules were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).	
Frank Walker	**President**
Name (Type or Print Legibly)	**Official Title**
Frank Walker	3-1-24
Signature	**Date**

SECTION 2

INFLUENT ANALYTICAL LABORATORY REPORT

SECTION 3

EFFLUENT ANALYTICAL LABORATORY REPORTS

Note: Additional results and laboratory reports forthcoming.

SECTION 4

GENERAL INFORMATION FORM

Note: Additional results and laboratory reports forthcoming.

2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

FAIRWAY LABORATORIES

www.fairwaylaboratories.com

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
06/15/23 12:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXF0768-01	Water	Composite	06/06/23 07:00	06/06/23 21:50

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 06/06/23 07:00

Laboratory Sample ID: AXF0768-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	2.60		0.800	mg/l	06/07/23 09:50	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	06/09/23 15:06	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	06/09/23 15:08	EPA 200.7/4.4	rjd	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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2019 Ninth Avenue
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NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

FAIRWAY LABORATORIES

www.fairwaylaboratories.com

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
06/20/23 11:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXF2608-01	Water	Composite	06/13/23 07:00	06/13/23 21:45

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 06/13/23 07:00

Laboratory Sample ID: AXF2608-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	06/14/23 09:36	SM 2540D-15	ark	G
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	06/17/23 01:54	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	06/17/23 01:56	EPA 200.7/4.4	rjd	
Zinc	<0.0200		0.0200	mg/l	06/17/23 01:56	EPA 200.7/4.4	rjd	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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FAIRWAY LABORATORIES

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
06/29/23 16:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXF4299-01	Water	Composite	06/20/23 07:00	06/20/23 21:20

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 06/20/23 07:00

Laboratory Sample ID: AXF4299-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	06/21/23 09:48	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	06/26/23 19:54	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	06/26/23 19:56	EPA 200.7/4.4	seg	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
07/03/23 16:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXF5865-01	Water	Composite	06/27/23 07:00	06/27/23 20:30

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 06/27/23 07:00

Laboratory Sample ID: AXF5865-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	06/28/23 08:54	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	06/29/23 14:42	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	06/29/23 14:44	EPA 200.7/4.4	rjd	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman

Project Manager

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FAIRWAY LABORATORIES

www.fairwaylaboratories.com

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Drinking Water
Project Number: [none]
Collector: Client
Number of Containers: 6

Reported:
06/30/23 12:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
D700 True Value Hardware	AXF2607-01	Water	Grab	06/13/23 07:00	06/13/23 21:45
EP 101	AXF2607-02	Water	Grab	06/13/23 07:00	06/13/23 21:45

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
07/14/23 12:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXG0589-01	Water	Composite	07/06/23 07:06	07/06/23 21:15

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 07/06/23 07:06

Laboratory Sample ID: AXG0589-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	07/07/23 10:52	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	07/12/23 17:55	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	07/12/23 17:57	EPA 200.7/4.4	rjd	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
07/20/23 11:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXG1598-01	Water	Composite	07/11/23 07:00	07/11/23 20:40

Client Sample ID: WASTE WATER WEIR **Date/Time Sampled:** 07/11/23 07:00

Laboratory Sample ID: AXG1598-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	2.40		1.60	mg/l	07/12/23 09:35	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	07/18/23 10:01	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	07/18/23 10:03	EPA 200.7/4.4	seg	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
07/28/23 16:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXG3337-01	Water	Composite	07/18/23 07:15	07/18/23 20:35

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 07/18/23 07:15

Laboratory Sample ID: AXG3337-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	07/19/23 09:33	SM 2540D-15	km	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	07/21/23 21:10	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	07/21/23 21:12	EPA 200.7/4.4	rjd	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
08/01/23 16:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXG5174-01	Water	Composite	07/25/23 05:30	07/25/23 20:30

Client Sample ID: WASTE WATER WEIR **Date/Time Sampled:** 07/25/23 05:30

Laboratory Sample ID: AXG5174-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	07/26/23 10:27	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	07/31/23 19:14	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	07/31/23 19:16	EPA 200.7/4.4	rjd	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
08/08/23 17:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXH0074-01	Water	Composite	08/01/23 07:15	08/01/23 20:45

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 08/01/23 07:15

Laboratory Sample ID: AXH0074-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	2.00		1.60	mg/l	08/02/23 10:23	SM 2540D-15	km	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	08/04/23 15:23	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	08/04/23 15:25	EPA 200.7/4.4	seg	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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FAIRWAY LABORATORIES

www.fairwaylaboratories.com

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
08/21/23 12:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXH1819-01	Water	Composite	08/08/23 07:30	08/08/23 21:30

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 08/08/23 07:30

Laboratory Sample ID: AXH1819-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	4.00		1.60	mg/l	08/09/23 10:52	SM 2540D-15	km	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	08/11/23 20:10	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	08/11/23 20:12	EPA 200.7/4.4	rjd	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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FAIRWAY LABORATORIES

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
09/06/23 14:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXH3413-01	Water	Composite	08/15/23 07:15	08/15/23 20:35

Client Sample ID: WASTE WATER WEIR **Date/Time Sampled:** 08/15/23 07:15

Laboratory Sample ID: AXH3413-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	08/16/23 10:29	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	08/18/23 21:02	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	08/18/23 21:04	EPA 200.7/4.4	seg	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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FAIRWAY LABORATORIES

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
08/30/23 12:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXH4956-01	Water	Composite	08/22/23 07:30	08/22/23 19:00

Client Sample ID: WASTE WATER WEIR **Date/Time Sampled:** 08/22/23 07:30

Laboratory Sample ID: AXH4956-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	08/23/23 08:51	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	08/25/23 21:01	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	08/25/23 21:03	EPA 200.7/4.4	rjd	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
09/06/23 12:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXH6304-01	Water	Composite	08/29/23 07:30	08/29/23 20:10

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 08/29/23 07:30

Laboratory Sample ID: AXH6304-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	08/30/23 09:48	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	09/01/23 13:21	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	09/01/23 13:23	EPA 200.7/4.4	seg	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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FAIRWAY LABORATORIES

www.fairwaylaboratories.com

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
09/06/23 12:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXH6304-01	Water	Composite	08/29/23 07:30	08/29/23 20:10

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 08/29/23 07:30

Laboratory Sample ID: AXH6304-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	08/30/23 09:48	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	09/01/23 13:21	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	09/01/23 13:23	EPA 200.7/4.4	seg	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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FAIRWAY LABORATORIES

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
09/13/23 13:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXI0276-01	Water	Composite	09/05/23 07:15	09/05/23 20:30

Client Sample ID: WASTE WATER WEIR **Date/Time Sampled:** 09/05/23 07:15

Laboratory Sample ID: AXI0276-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	09/06/23 07:55	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	09/08/23 18:38	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	09/08/23 18:40	EPA 200.7/4.4	rjd	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

FAIRWAY LABORATORIES

www.fairwaylaboratories.com

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
09/20/23 11:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXI1952-01	Water	Composite	09/12/23 07:30	09/12/23 20:50

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 09/12/23 07:30

Laboratory Sample ID: AXI1952-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	09/13/23 10:31	SM 2540D-15	km	G
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	09/18/23 15:51	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	09/18/23 15:53	EPA 200.7/4.4	seg	
Zinc	<0.0200		0.0200	mg/l	09/18/23 15:53	EPA 200.7/4.4	seg	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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FAIRWAY LABORATORIES

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
09/26/23 16:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXI3389-01	Water	Composite	09/19/23 07:00	09/19/23 20:40

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 09/19/23 07:00

Laboratory Sample ID: AXI3389-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	09/20/23 09:15	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	09/25/23 21:50	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	09/25/23 21:52	EPA 200.7/4.4	rjd	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Ron Bollman
Project Manager

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FAIRWAY LABORATORIES

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
10/06/23 11:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXI4869-01	Water	Composite	09/26/23 07:15	09/26/23 20:15

Client Sample ID: WASTE WATER WEIR **Date/Time Sampled:** 09/26/23 07:15

Laboratory Sample ID: AXI4869-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	09/27/23 10:53	SM 2540D-15	km	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	10/03/23 12:36	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	10/03/23 12:39	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
10/11/23 12:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXJ0261-01	Water	Composite	10/03/23 07:30	10/03/23 20:10

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 10/03/23 07:30

Laboratory Sample ID: AXJ0261-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	10/04/23 09:50	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	10/09/23 14:58	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	10/09/23 15:00	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

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Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant
Project Number: [none]
Collector: Client
Reported:

Project Manager: Frank Walker
Number of Containers: 2
10/11/23 12:49

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

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RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant
Project Number: [none]
Collector: Client
Project Manager: Frank Walker
Number of Containers: 2

Reported:
10/11/23 12:49

Definitions Continued:

[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

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EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Project: Filter Plant
Project Number: [none]
Collector: Client
Project Manager: Frank Walker
Number of Containers: 2

Reported:
10/11/23 12:49

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AXJ0261

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID 620

COMPLETE UPON LAB RECEIPT

COC ID# AXJ0261

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID Mel1

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	2 Oct 2023	0730	3 Oct 2023	0730	X		1	1L Poly NP	Go	<2	NP	-01
									X	1	250ml Poly HNO3	1	<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	3 Oct 2023	0824		10/3/23	08/29
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	10/3/23 1345			10/3/23	1720
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				10/3/23	2010

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SOP FLI 0601-002.G R3

COC RECEIVING DOCUMENT

DATE: September 15, 2021

CLIENT Ulster

RECEIVER OF

DATE/TIME OF CHECK 10/4/23 5:39

AM TEMP <6°C (Y) N RGU

CUSTODY SEALS Y (N)

PAGE 2 OF 2

COC ID# AX30261

1. WERE THE SAMPLES RECEIVED ON ICE/OTHER ACCEPTABLE REFRIGERANT?	YES ☑ NO ☐
IF NO, EXPLAIN	
2. WERE SAMPLE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? *ON ICE IF SAMPLED SAME DAY AS RECEIPT; 0-6°C FOR COMPLIANCE/NPDES*	YES ☑ NO ☐
IF NO, EXPLAIN	
3. WERE ALL SAMPLE BOTTLES INTACT? (NO LEAKING BOTTLES OR BROKEN CUSTODY SEALS)	YES ☑ NO ☐
IF NO, EXPLAIN	
4. DO SAMPLE LABELS CONTAIN ADEQUATE INFO? (CLIENT, DATE, TIME, PRESERVATION?)	YES ☑ NO ☐
IF NO, EXPLAIN	
5. WERE THE SAMPLES PROPERLY PRESERVED?	YES ☑ NO ☐
IF NO, EXPLAIN	
6. WERE THE SAMPLES COLLECTED IN THE CORRECT CONTAINERS?	YES ☑ NO ☐
IF NO, EXPLAIN	
7. WAS ENOUGH SAMPLE PROVIDED FOR THE ANALYSES REQUESTED?	YES ☑ NO ☐
IF NO, EXPLAIN	
8. ARE ALL ANALYSES CONTAINERS WITHOUT HEADSPACE? *(AQ: VOLATILES, ODOR, IGNITABILITY SOLID: SULFIDE)*	YES ☐ NO ☐ NA ☑
IF NO, EXPLAIN	
9. DID CLIENT INCLUDE ALL REQUIRED INFORMATION ON THE CHAIN?	YES ☑ NO ☐
IF NO, EXPLAIN	

10. WAS THE CLIENT CONTACTED? *IF YES, FILL OUT THE FOLLOWING:*

DATE/TIME	REASON FOR CONTACT
FLI EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

2019 Ninth Avenue
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FAIRWAY LABORATORIES
www.fairwaylaboratories.com

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
10/18/23 12:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXJ1843-01	Water	Composite	10/10/23 07:15	10/10/23 20:10

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 10/10/23 07:15

Laboratory Sample ID: AXJ1843-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	0.800		0.800	mg/l	10/11/23 09:19	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	10/16/23 15:30	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	10/16/23 15:32	EPA 200.7/4.4	seg	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant
Project Number: [none]
Collector: Client
Reported:

Project Manager: Frank Walker
Number of Containers: 2
10/18/23 12:03

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

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Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

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D: Indicates analysis performed by Fairway Laboratories, Inc., 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
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EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
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10/18/23 12:03

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CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AXJ1843

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

COOLER ID: W411

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED — INCLUDE ONE CONTAINER TYPE PER ROW

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE
Waste Water Weir	W		X	9 OCT 2023	0715	10 OCT 2023	0715	X		1	1L Poly NP
									X	1	250ml Poly HNO3

COMPLETE UPON LAB RECEIPT

COC ID# AXJ1843

PAGE 1 OF 2

ON ICE Y N

TEMP GUN ID Nu11

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

TEMP °C	Indicate pH value		COC ID# FRACTION
CW	<2	NP	01
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	10 Oct 2023	0923	[signature]	10/10/23	0923
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	10/10/23	1215	[signature]	10/10/23	1730
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]	10/10/23	2010

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SOP FLI 0601-002.G R3

COC RECEIVING DOCUMENT

DATE: September 15, 2021

CLIENT Ulster

RECEIVER DF

DATE/TIME OF CHECK 10/11/23

AM TEMP <6°C (Y) N RG

CUSTODY SEALS Y N

COC ID# AXJ1843

1. WERE THE SAMPLES RECEIVED ON ICE/OTHER ACCEPTABLE REFRIGERANT? YES ☑ NO ☐
   IF NO, EXPLAIN
2. WERE SAMPLE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? YES ☑ NO ☐
   ON ICE IF SAMPLED SAME DAY AS RECEIPT; 0-6°C FOR COMPLIANCE/NPDES
   IF NO, EXPLAIN
3. WERE ALL SAMPLE BOTTLES INTACT? (NO LEAKING BOTTLES OR BROKEN CUSTODY SEALS) YES ☑ NO ☐
   IF NO, EXPLAIN
4. DO SAMPLE LABELS CONTAIN ADEQUATE INFO? (CLIENT, DATE, TIME, PRESERVATION?) YES ☑ NO ☐
   IF NO, EXPLAIN
5. WERE THE SAMPLES PROPERLY PRESERVED? YES ☑ NO ☐
   IF NO, EXPLAIN
6. WERE THE SAMPLES COLLECTED IN THE CORRECT CONTAINERS? YES ☑ NO ☐
   IF NO, EXPLAIN
7. WAS ENOUGH SAMPLE PROVIDED FOR THE ANALYSES REQUESTED? YES ☑ NO ☐
   IF NO, EXPLAIN
8. ARE ALL ANALYSES CONTAINERS WITHOUT HEADSPACE? *(AQ: VOLATILES, ODOR, IGNITABILITY SOLID: SULFIDE)* YES ☐ NO ☐ NA ☑
   IF NO, EXPLAIN
9. DID CLIENT INCLUDE ALL REQUIRED INFORMATION ON THE CHAIN? YES ☑ NO ☐
   IF NO, EXPLAIN

10. ~~WAS THE CLIENT CONTACTED?~~ ~~IF YES, FILL OUT THE FOLLOWING:~~

DATE/TIME	REASON FOR CONTACT
FLI EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

FAIRWAY LABORATORIES
www.fairwaylaboratories.com

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant
Project Number: [none]
Collector: Client
Number of Containers: 2

Reported:
10/24/23 12:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXJ3244-01	Water	Composite	10/17/23 07:15	10/17/23 20:30

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 10/17/23 07:15

Laboratory Sample ID: AXJ3244-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	1.60		1.60	mg/l	10/18/23 10:29	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	10/19/23 18:16	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	10/19/23 18:18	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant
Project Number: [none]
Collector: Client
Reported:

Project Manager: Frank Walker
Number of Containers: 2
10/24/23 12:00

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

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* **Analysis location indicator:**
D: Indicates analysis performed by Fairway Laboratories, Inc., 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
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Ulster, PA 18850

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Project Number: [none]
Collector: Client
Project Manager: Frank Walker
Number of Containers: 2

Reported:
10/24/23 12:00

Definitions Continued:

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EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Ulster Municipal Authority
60 Union Lane PO Box 157
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Reported:
10/24/23 12:00

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AXJ3244

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

COOLER ID: W420

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED — *INCLUDE ONE CONTAINER TYPE PER ROW*

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE
Waste Water Weir	W		X	10-16-2023	0715	10-17-2023	0715	X		1	1L Poly NP
									X	1	250ml Poly HNO3

COMPLETE UPON LAB RECEIPT

COC ID# AXJ3244

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID Hill

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

TEMP °C	Indicate pH value			COC ID# FRACTION
6°	<2	(NP)		
	(<2)	NP		01
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[illegible]	10-17-2023	0947	[illegible]	10/17/23	0947
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[illegible]	10/17/23	1305	[illegible]	10/17/23	1335
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[illegible]	10/17/23	1630

ADDITIONAL NOTES

WEEKLY FILTER PLANT

Sample Condition Upon Receipt (SCUR)

CLIENT: Ulster | WORK ORDER: AXJ3244 | PAGE 2 OF 2

INITIALS DF | DATE 10/18/23 TIME 5:35 | AM TEMP <6°C (Y) N NA

*TEMP GUN ID RG11 | SAMPLE TEMP AT RECEIPT(C°) 0 | RECEIVED ON ICE? (Y) N

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N — IF NO, EXPLAIN HERE; * CLIENT NOTIFICATION REQUIRED *

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0 °C

FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIP WHEN ON ICE, WITH EVIDENCE OF COOLING~

CUSTODY SEALS? Y (N) | SEALS INTACT? Y N (NA) *IF APPLICABLE

CHAIN OF CUSTODY (COC)

COC PRESENT? (Y) N | IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!

COC CONTAINS: NAME or INITIALS of SAMPLE COLLECTOR? (Y) N | RELINQUISH SIGNATURE? (Y) N

SAMPLE LOCATION/DESCRIPTION/ID? (Y) N | GRAB/COMPOSITE NOTED? (Y) N

COMPLETE DATES/TIMES ? (Y) N | #NUMBER OF CONTAINERS PER SAMPLE? (Y) N

#PRESERVATION TYPE(S)? (Y) N | *PWS ID? Y N | *IS SAMPLE REPORTABLE? Y N

RECEIVED SIGNATURE? (Y) N | CONTACT NAME & PHONE NUMBER? Y N ON RECORD

If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N *IF NO, EXPLAIN:*

SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N *IF NO, EXPLAIN:*

CORRECT CONTAINERS? (Y) N *IF NO, EXPLAIN:*

ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N *IF NO, EXPLAIN:*

HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Solid Sulfide*

FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*

TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N *IF NO, EXPLAIN:*

CHECK PRESERVATION
INITIALS DF DATE 10/18/23 TIME 535

pH Strips Element ID 2L090164 | Preservative: Element ID

ADD PRESERVATION *mL Added?*
INITIALS DATE TIME

SAMPLE LABELING
INITIALS DF DATE 10/18/23 TIME

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:
10/31/23 12:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXJ4477-01	Water	Composite	10/24/23 07:15	10/24/23 20:35

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 10/24/23 07:15

Laboratory Sample ID: AXJ4477-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	10/25/23 09:10	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	10/27/23 12:08	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	10/27/23 12:10	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman

Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

10/31/23 12:52

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

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Project Number: [none]

Reported:

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10/31/23 12:52

Definitions Continued:

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EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

Pace Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:

10/31/23 12:52

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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FAIRWAY LABORATORIES
1851 Golden Mile Road Wysox, PA 18854
p: (570) 866-0195
WWW.FAIRWAYLABORATORIES.COM

AXJ4477

FAIRWAY LABORATORIES

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID 335

COMPLETE UPON LAB RECEIPT
COC ID# AXJ4477
PAGE 1 OF 2
ON ICE (Y) N
TEMP GUN ID R611

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	23 Oct 2023	0715	24 Oct 2023	0715	X		1	1L Poly NP	(1)	<2	(NP)	
									X	1	250ml Poly HNO3		(<2)	NP	-01
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Russ C	24 Oct 2023	0859	Bob Chamberlain (181)	10/24/23	0859
Bob Chamberlain (181)	10/24/23	1245	[illegible] 181	10/24/23	1735
	DATE	TIME	RECEIVED BY	DATE	TIME
			[illegible] 181	10/24/23	2035

ADDITIONAL NOTES

WEEKLY FILTER PLANT

Sample Condition Upon Receipt (SCUR)

CLIENT: Ulster | WORK ORDER: AXJ4477 | PAGE 2 OF 2

INITIALS: DF | DATE: 10/25/23 | TIME: 5:40 | AM TEMP <6°C: (Y) N NA

*TEMP GUN ID: RG15 | SAMPLE TEMP AT RECEIPT(C°): 0 | RECEIVED ON ICE? (Y) N

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N — IF NO, EXPLAIN HERE; * CLIENT NOTIFICATION REQUIRED *

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0 °C
FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT WHEN ON ICE, WITH EVIDENCE OF COOLING~

CUSTODY SEALS? Y (N) | SEALS INTACT? Y N (NA) *IF APPLICABLE

CHAIN OF CUSTODY (COC)

COC PRESENT? (Y) N | IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!

COC CONTAINS: NAME or INITIALS of SAMPLE COLLECTOR? (Y) N | RELINQUISH SIGNATURE? (Y) N

SAMPLE LOCATION/DESCRIPTION/ID? (Y) N | GRAB/COMPOSITE NOTED? (Y) N

COMPLETE DATES/TIMES? (Y) N | #NUMBER OF CONTAINERS PER SAMPLE? (Y) N

#PRESERVATION TYPE(S)? (Y) N | *PWS ID? Y N | IS SAMPLE REPORTABLE? Y N

RECEIVED SIGNATURE? (Y) N | CONTACT NAME & PHONE NUMBER? Y N ON-RECORD

If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.

BOTTLEWARE PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N *IF NO, EXPLAIN:*

SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N *IF NO, EXPLAIN:*

CORRECT CONTAINERS? (Y) N *IF NO, EXPLAIN:*

ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N *IF NO, EXPLAIN:*

HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Solid Sulfide*

FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*

TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N *IF NO, EXPLAIN:*

CHECK PRESERVATION
INITIALS: DF | DATE: 10/25/23 | TIME: 5:40

pH Strips: Element ID 2109064 | Preservative: Element ID

ADD PRESERVATION *mL Added?*
INITIALS | DATE | TIME

SAMPLE LABELING
INITIALS: DF | DATE: 10/25/23 | TIME: 708

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	
PERSON CONTACTED	OUTCOME OF DISCUSSION
CIRCLE METHOD: PHONE / EMAIL / OTHER	ADDITIONAL NOTES

Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:
11/14/23 11:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXK1118-01	Water	Composite	11/07/23 06:00	11/07/23 16:30

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 11/07/23 06:00

Laboratory Sample ID: AXK1118-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	11/08/23 10:02	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	11/10/23 19:27	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	11/10/23 19:29	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

Pace Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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NELAP: PA 07-062, VA 460212

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

11/14/23 11:03

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
11/14/23 11:03

Definitions Continued:

[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
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EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

11/14/23 11:03

Terms & Conditions

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HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AXK1118

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

COOLER ID: W154

COMPLETE UPON LAB RECEIPT

COC ID# AXK1118

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	~~6~~ 6 Nov 2023	0600	7 Nov 2023 ~~0600~~	0600	X		1	1L Poly NP	2.9	<2	NP	
									X	1	250ml Poly HNO3	1	<2	NP	-01
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Frank	7 Nov 2023	0822	Sara Wright	11/7/23	0822
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Sara Wright	11/7/23	1410	Mark A Hale 283	11-7-23	16:30
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME

ADDITIONAL NOTES

WEEKLY FILTER PLANT

DC#_Title: Excel Form Template
Effective Date:

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Ulster		
DATE	11/8/23	TIME 6:50	WORK ORDER AXK1118
INITIALS	DF		PAGE 2 OF 2
RECEIVED TEMP (C°)	2.0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N — IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE?	(Y) N		
AM TEMP GUN ID	RG11		
AM TEMP <6°C	(Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~
CUSTODY SEALS?	Y N (NA)		
SEALS INTACT?	Y N (NA)		

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	(Y) N	SAMPLE LOCATION/DESCRIPTION/ID?	(Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	(Y) N
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ?	(Y) N
7-DIGIT PWS ID?	Y N	GRAB/COMPOSITE NOTED?	(Y) N
PWS SAMPLE ID?	Y N	RELINQUISHED SIGNATURE?	(Y) N
CONTACT NAME?	Y N ON RECORD	RECEIVED SIGNATURE?	(Y) N
CONTACT NUMBER?	Y N ON RECORD	*NUMBER OF CONTAINERS PER SAMPLE?	(Y) N
IS SAMPLE REPORTABLE?	Y N	*PRESERVATION TYPE(S)?	(Y) N
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT?	(Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME)	(Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS?	(Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED?	(Y) N	IF NO, EXPLAIN:	
HEADSPACE? Y N (NA) — Volatiles, Odor, Ignitability, Sulfide		FIELD FILTERED? Y N (NA) — Dissolved Analyses, Hex Cr, Ortho-Phos	TRIP BLANKS? Y N (NA) — Required for 524.2 Volatiles, EDB/DBCP
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS?	(Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED		DATE 11/8/23	TIME (6:50) INITIALS DF
PRESERVATION ADDED	____ mL Added	DATE	TIME INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		260964	INITIALS DF	TIME 7:04

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME		REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE		
PERSON CONTACTED		OUTCOME OF DISCUSSION
CIRCLE METHOD PHONE / EMAIL / OTHER		ADDITIONAL NOTES

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT ____ WORK ____

Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:
11/21/23 13:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXK2662-01	Water	Composite	11/14/23 07:15	11/14/23 20:00

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 11/14/23 07:15

Laboratory Sample ID: AXK2662-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	11/15/23 12:18	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	11/16/23 21:41	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	11/16/23 21:43	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

11/21/23 13:11

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

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Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

11/21/23 13:11

Definitions Continued:

[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

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EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Project: Filter Plant

Project Number: [none]

Reported:

11/21/23 13:11

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CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854
p: (570) 866-0195
WWW.FAIRWAYLABORATORIES.COM

AXK2662

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

COOLER ID: WYS

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE
Waste Water Weir	W		X	13 NOV 2023	0715	14 NOV 2023	0715	X		1	1L Poly NP
									X	1	250ml Poly HNO3

COMPLETE UPON LAB RECEIPT

COC ID# AXK2662

PAGE ___ OF ___

ON ICE (Y) N

TEMP GUN ID Kuli

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

TEMP °C	Indicate pH value		COC ID# FRACTION
6°	<2	NP	-01
1	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	14 NOV 2023	[illegible]	Robert Elliott	11-14-23	10:22
Robert Elliott	11-14-23	1300	[signature]	11/14/23	1735
			[signature]	11/14/23	2025

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Alpha		WORK ORDER: AXK2662	PAGE: 2 OF 2
DATE: 11/15/23	TIME: 700		
INITIALS: DF		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED TEMP (C°): 0			
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG11			
AM TEMP <6°C: (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ? (Y) N	
7-DIGIT PWS ID? Y N		GRAB/COMPOSITE NOTED? (Y) N	
PWS SAMPLE ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		RECEIVED SIGNATURE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
IS SAMPLE REPORTABLE? Y N		#PRESERVATION TYPE(S)? (Y) N	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		# If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:		
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:		
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:		
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:		
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:		
PRESERVATION CHECKED	DATE: 11/15/23	TIME: 700	INITIALS: DF
PRESERVATION ADDED	____ mL Added DATE:	TIME:	INITIALS:

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID: 2109064	SAMPLES LABELED BY:	DATE: 11/15/23
			INITIALS: DF	TIME: 1020

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:
12/01/23 12:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXK4044-01	Water	Composite	11/21/23 06:15	11/21/23 20:35

Client Sample ID: **WASTE WATER WEIR**

Date/Time Sampled: 11/21/23 06:15

Laboratory Sample ID: **AXK4044-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	11/22/23 10:52	SM 2540D-15	krn	G
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	11/29/23 16:51	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	11/29/23 16:53	EPA 200.7/4.4	seg	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman

Project Manager

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Project Number: [none]

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Reported:
12/01/23 12:43

Notes

G The Laboratory Control Sample (LCS) analyzed with this preparation batch recovered below the acceptance range for the noted analyte.

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Project Number: [none]

Reported:

Project Manager: Frank Walker

12/01/23 12:43

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

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Project Number: [none]

Reported:

Project Manager: Frank Walker

12/01/23 12:43

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LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AXK4044

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

COOLER ID W456

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE
Waste Water Weir	W		X	20 NOV 2023	0615	21 NOV 2023	0615	X		1	1L Poly NP
									X	1	250ml Poly HNO3

COMPLETE UPON LAB RECEIPT

COC ID# AXK4044

PAGE 1 OF 2

ON ICE Y N

TEMP GUN ID RGSS

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

TEMP °C	Indicate pH value		COC ID# FRACTION
0	<2	NP	
	<2	NP	a
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	21 NOV 2023	0835	(26)	11/21/23	0835
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	11/21/23	1340			
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				11/21/23	20:35

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Alster	WORK ORDER	AXK4044
DATE	11/22/23	TIME	7:00
INITIALS	DF	PAGE	2 OF 2

RECEIVED TEMP (C°)	0	WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME?	Y — IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE?	Y N		
AM TEMP GUN ID	#6-7		
AM TEMP <6°C	Y N NA		
CUSTODY SEALS?	Y N NA		
SEALS INTACT?	Y N NA		

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	Y N	SAMPLE LOCATION/DESCRIPTION/ID?	Y N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	Y N
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ?	Y N
7-DIGIT PWS ID?	Y N	GRAB/COMPOSITE NOTED?	Y N
PWS SAMPLE ID?	Y N	RELINQUISHED SIGNATURE?	Y N
CONTACT NAME?	Y N ON RECORD	RECEIVED SIGNATURE?	Y N
CONTACT NUMBER?	Y N ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE?	Y N
IS SAMPLE REPORTABLE?	Y N	#PRESERVATION TYPE(S)?	Y N
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		* *If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record*	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT?	Y N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME)	Y N	IF NO, EXPLAIN:	
CORRECT CONTAINERS?	Y N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED?	Y N	IF NO, EXPLAIN:	
HEADSPACE? *Volatiles, Odor, Ignitability, Sulfide*	Y N NA	FIELD FILTERED? *Dissolved Analyses, Hex Cr, Ortho-Phos*	Y N NA
TRIP BLANKS? *Required for 524.2 Volatiles, EDB/DBCP*	Y N NA		
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS?	Y N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE 11/22/23	TIME 700	INITIALS DF
PRESERVATION ADDED	____ mL Added DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		2109064	INITIALS DF	TIME 8:40

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	WORK ORDER	PAGE OF

Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:
12/04/23 15:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXK4993-01	Water	Composite	11/28/23 07:15	11/28/23 19:30

Client Sample ID: **WASTE WATER WEIR**

Date/Time Sampled: 11/28/23 07:15

Laboratory Sample ID: **AXK4993-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	11/29/23 13:56	SM 2540D-15	ers	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	12/01/23 10:58	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	12/01/23 11:00	EPA 200.7/4.4	seg	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman

Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

12/04/23 15:35

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
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W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

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MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

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Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

12/04/23 15:35

Definitions Continued:

[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:

12/04/23 15:35

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AXK4993

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___ / ___ / ____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID W399

COMPLETE UPON LAB RECEIPT

COC ID# AXK4993

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID RG11

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	28 NOV 2023	0715	28 NOV 2023	0715	X		1	1L Poly NP	06	<2	NP	-01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	28 NV 2023	9:06	[signature]	11-28-23	9:06
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	11-28-23	1315	[signature]	11-28-23	1730
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]	11-28-23	1930

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT Waters		WORK ORDER AXK4993	PAGE 2 OF 2
DATE 11/29/23	TIME 6:03		
INITIALS DF		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED TEMP (C°) 0			
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID RS-16			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
		COMPLETE DATES/TIMES ? (Y) N	
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED? (Y) N	
7-DIGIT PWS ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
PWS SAMPLE ID? Y N		RECEIVED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#PRESERVATION TYPE(S)? (Y) N	
IS SAMPLE REPORTABLE? Y N		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC			

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	

HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE 11/29/23 TIME 6:03	INITIALS DF
PRESERVATION ADDED _____ mL Added	DATE	TIME INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID 2409064	SAMPLES LABELED BY	DATE 11/29/23
			INITIALS DF	TIME 7:02

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:
12/12/23 15:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXL0397-01	Water	Composite	12/05/23 07:30	12/05/23 19:15

Client Sample ID: **WASTE WATER WEIR**

Date/Time Sampled: 12/05/23 07:30

Laboratory Sample ID: **AXL0397-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	12/06/23 09:35	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	12/07/23 22:18	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	12/07/23 22:20	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman

Project Manager

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Ulster Municipal Authority
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Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

12/12/23 15:45

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

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D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
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< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

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Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

12/12/23 15:45

Definitions Continued:

[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
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EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Project Number: [none]

Reported:

Project Manager: Frank Walker

12/12/23 15:45

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HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AXL0397

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID W469

COMPLETE UPON LAB RECEIPT

COC ID# AXL0397

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	4 DEC 2023	0715	5 DEC 2023	0730	X		1	1L Poly NP	0°C	<2	NP	-01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	5 DEC 2023	0815	(26)	12/5/23	0815
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
(26)	12/5/23	1330		12/5/23	1700
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				12/5/23	1515

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Ulster
DATE: 12/16/23 TIME: 708
WORK ORDER: AXL0397
PAGE: 2 OF 2
INITIALS: DF
RECEIVED TEMP (°C): 0
RECEIVED ON ICE? (Y) N
AM TEMP GUN ID: RG16
AM TEMP <6°C (Y) N NA
CUSTODY SEALS? Y N (NA)
SEALS INTACT? Y N (NA)

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N
IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!

IF PWS, DOES COC CONTAIN:
7-DIGIT PWS ID? Y N
PWS SAMPLE ID? Y N
CONTACT NAME? Y N ON RECORD
CONTACT NUMBER? Y N ON RECORD
IS SAMPLE REPORTABLE? Y N
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

SAMPLE LOCATION/DESCRIPTION/ID? (Y) N
NAME or INITIALS of SAMPLE COLLECTOR? (Y) N
COMPLETE DATES/TIMES ? (Y) N
GRAB/COMPOSITE NOTED? (Y) N
RELINQUISHED SIGNATURE? (Y) N
RECEIVED SIGNATURE? (Y) N
#NUMBER OF CONTAINERS PER SAMPLE? (Y) N
#PRESERVATION TYPE(S)? (Y) N
 # If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:		
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:		
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:		
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:		
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:		
PRESERVATION CHECKED	DATE 12/16/23	TIME 708	INITIALS DF
PRESERVATION ADDED ____ mL Added	DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		2L090604	INITIALS DF	TIME 811

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME
PAS-ALTOONA EMPLOYEE
PERSON CONTACTED
CIRCLE METHOD
PHONE / EMAIL / OTHER

REASON FOR CONTACT
OUTCOME OF DISCUSSION
ADDITIONAL NOTES

Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:
12/21/23 15:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXL1918-01	Water	Composite	12/12/23 07:00	12/12/23 20:45

Client Sample ID: **WASTE WATER WEIR**

Date/Time Sampled: 12/12/23 07:00

Laboratory Sample ID: **AXL1918-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	12/13/23 10:46	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	12/20/23 16:45	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	12/20/23 16:45	EPA 200.7/4.4	seg	
Zinc	<0.0200		0.0200	mg/l	12/20/23 16:45	EPA 200.7/4.4	seg	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

Pace Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

12/21/23 15:38

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
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W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

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RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

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Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

12/21/23 15:38

Definitions Continued:

[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:

12/21/23 15:38

Terms & Conditions

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CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AXL1918

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___ / ___ / ___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID W479

COMPLETE UPON LAB RECEIPT

COC ID# AXL1918

PAGE 1 OF 2

ON ICE Y N

TEMP GUN ID

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Fe, Mn, Zn	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	11 DEC 2023	0700	11 DEC 2023	0700	X		1	1L Poly NP	1.8	<2	NP	01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert E Hunt	12 DEC 2023	~~0830~~ 0820	Robert E Hunt	12-12-23	08:30
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert E Hunt	12-12-23	1320	MGNelson 783	12-12-23	17:00
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			MarkONeil 783	12-12-23	20:45

ADDITIONAL NOTES

QUARTERLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Alloth		WORK ORDER: AXL1918	PAGE: 2 OF 2
DATE: 12/13/23	TIME: 7:53		
INITIALS: DF		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED TEMP (°C): 1.8			
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG11			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
		COMPLETE DATES/TIMES ? (Y) N	
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED? (Y) N	
7-DIGIT PWS ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
PWS SAMPLE ID? Y N		RECEIVED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#PRESERVATION TYPE(S)? (Y) N	
IS SAMPLE REPORTABLE? Y N		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC			

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE: 12/13/23 TIME: 7:53	INITIALS: DF
PRESERVATION ADDED	_____ mL Added DATE	TIME INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID: 2L09064	SAMPLES LABELED BY	DATE: 12/13/23
			INITIALS: DF	TIME: 9:11

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD: PHONE / EMAIL / OTHER	

Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:
01/02/24 06:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXL3206-01	Water	Composite	12/19/23 07:15	12/19/23 20:00

Client Sample ID: **WASTE WATER WEIR**

Date/Time Sampled: 12/19/23 07:15

Laboratory Sample ID: **AXL3206-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	12/20/23 10:00	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	12/27/23 13:50	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	12/27/23 13:52	EPA 200.7/4.4	seg	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman

Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

01/02/24 06:24

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
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< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

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Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

01/02/24 06:24

Definitions Continued:

[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
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Project: Filter Plant

Project Number: [none]

Reported:

01/02/24 06:24

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RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AXL3206

RG11

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

COOLER ID: 7

COMPLETE UPON LAB RECEIPT

COC ID# AXL3206

PAGE 1 OF 2

ON ICE Y N

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/_____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED — INCLUDE ONE CONTAINER TYPE PER ROW

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	18 DEC 2023	0715	19 DEC 2023	0715	X		1	1L Poly NP	0°	<2	NP	-01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	19 DEC 2023	0905	[signature] (26)	12/19/23	0905
[signature] (26)	12/19/23	1250	Mark C. Wilson 783	12-19-23	17:00
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			Mark C. Wilson 783	12-19-23	20:00

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Water	WORK ORDER	AXL3206
DATE	12/20/23	TIME	7:37
INITIALS	DF	PAGE	2 OF 2
RECEIVED TEMP (°C)	0		
RECEIVED ON ICE?	(Y) N		
AM TEMP GUN ID	RG16		
AM TEMP <6°C	(Y) N NA		
CUSTODY SEALS?	Y N (NA)		
SEALS INTACT?	Y N (NA)		

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N — IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	(Y) N	SAMPLE LOCATION/DESCRIPTION/ID?	(Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	(Y) N
		COMPLETE DATES/TIMES ?	(Y) N
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED?	(Y) N
7-DIGIT PWS ID?	Y N	RELINQUISHED SIGNATURE?	(Y) N
PWS SAMPLE ID?	Y N	RECEIVED SIGNATURE?	(Y) N
CONTACT NAME?	Y N ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE?	(Y) N
CONTACT NUMBER?	Y N ON RECORD	#PRESERVATION TYPE(S)?	(Y) N
IS SAMPLE REPORTABLE?	Y N		

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

* *If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.*

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT?	(Y) N	IF NO, EXPLAIN:
SAMPLE LABELS MATCH COC? (ID, DATE, TIME)	(Y) N	IF NO, EXPLAIN:
CORRECT CONTAINERS?	(Y) N	IF NO, EXPLAIN:
ADEQUATE VOLUME OF SAMPLE PROVIDED?	(Y) N	IF NO, EXPLAIN:

HEADSPACE? Y N (NA) — *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) — *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) — *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS?	(Y) N NA	IF NO, EXPLAIN:
PRESERVATION CHECKED	DATE 12/20/23	TIME 7:37 INITIALS DF
PRESERVATION ADDED	____ mL Added DATE	TIME INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE 12/20/23
		21090647	INITIALS DF	TIME 8:53

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

Pace Analytical Services, LLC
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project Manager: Frank Walker

Project: Filter Plant

Project Number: [none]

Reported:
01/03/24 15:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AXL4221-01	Water	Composite	12/26/23 07:00	12/26/23 17:55

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 12/26/23 07:00

Laboratory Sample ID: AXL4221-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	12/27/23 10:32	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	01/02/24 21:46	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	01/02/24 21:48	EPA 200.7/4.4	seg	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

Pace Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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2019 Ninth Avenue
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(814) 946-4306

NELAP: PA 07-062, VA 460212

State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

01/03/24 15:37

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

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State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

01/03/24 15:37

Definitions Continued:

[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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State Certifications: MD 275, WV 364

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

01/03/24 15:37

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AXL4221

CLIENT	Ulster Municipal Authority	PWS ID	
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850	CHECK IF PADEP REPORTABLE	☐
PROJECT	Filter Plant	CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT	☐
CONTACT	Frank Walker		
PHONE	607-857-7505		
EMAIL			

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID: W118

COMPLETE UPON LAB RECEIPT
COC ID# AXL4221
PAGE 1 OF 2
ON ICE Y N
TEMP GUN ID R411
FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	25 DEC 2023	0700	26 DEC 2023	0700	X		1	1L Poly NP	0.0°	<2	NP	-01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Ryan Yu	26 DEC 2023	0844	Bob Chamberlain (18)	12/26/23	0844
Bob Chamberlain (18)	12/26/23	1215		12/26/23	1615
				12/26/23	1755

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Ulster		WORK ORDER: AXL4221	PAGE: 2 OF 2
DATE: 12/27/23	TIME: 17:21		
INITIALS: DF			
RECEIVED TEMP (C°): 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG15			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
		COMPLETE DATES/TIMES ? (Y) N	
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED? (Y) N	
7-DIGIT PWS ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
PWS SAMPLE ID? Y N		RECEIVED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#PRESERVATION TYPE(S)? (Y) N	
IS SAMPLE REPORTABLE? Y N		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC			

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	
HEADSPACE? Y N (NA) Volatiles, Odor, Ignitability, Sulfide	FIELD FILTERED? Y N (NA) Dissolved Analyses, Hex Cr, Ortho-Phos	TRIP BLANKS? Y N (NA) Required for 524.2 Volatiles, EDB/DBCP
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE: 12/27/23 TIME: 17:21	INITIALS: DF
PRESERVATION ADDED	_____ mL Added DATE:	TIME: INITIALS:

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID: 2609064	SAMPLES LABELED BY	DATE: 12/27/23
			INITIALS: DF	TIME: 8:38

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	
CIRCLE METHOD PHONE / EMAIL / OTHER	ADDITIONAL NOTES

Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
40 Hoover Avenue
DuBois, PA 15801
(814) 371-6030

EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
1920 East 38th Street
Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
1851 Golden Mile Road
Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
01/09/24 15:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AYA0005-01	Water	Composite	01/02/24 07:00	01/02/24 19:44

Client Sample ID: **WASTE WATER WEIR**

Date/Time Sampled: 01/02/24 07:00

Laboratory Sample ID: **AYA0005-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	01/03/24 11:58	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	01/08/24 15:24	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	01/08/24 15:24	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

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2019 Ninth Avenue
Altoona, PA 16602
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EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
40 Hoover Avenue
DuBois, PA 15801
(814) 371-6030

EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
1920 East 38th Street
Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
1851 Golden Mile Road
Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant
Project Number: [none]

Reported:
01/09/24 15:48

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

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Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
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DuBois, PA 15801
(814) 371-6030

EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
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Pace Wysox
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(570) 265-5040

EPA Lab ID: PA01733

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PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

01/09/24 15:48

Definitions Continued:

[CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

ND Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

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EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

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WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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FAIRWAY LABORATORIES

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1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AYA0005

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID W492

COMPLETE UPON LAB RECEIPT

COC ID# AYA0005

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID R94

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	1/1/24	0700	1/2/24	0700	X		1	1L Poly NP	0	<2	NP	01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	1/2/24	0750	Gerald Wen	1-2-24	0750
Gerald Wen	1-2-24	1330	[signature]	1-2-24	1317
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]	1-2-24	1444

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Water Municipal	WORK ORDER	24A005
DATE	11/3/24	TIME 7:42	PAGE 2 OF 2
INITIALS	DF		
RECEIVED TEMP (C°)	0.0		
RECEIVED ON ICE?	Y N		
AM TEMP GUN ID	RG15		
AM TEMP <6°C	Y N NA		
CUSTODY SEALS?	Y N NA		
SEALS INTACT?	Y N NA		

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? Y N — IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	Y N	SAMPLE LOCATION/DESCRIPTION/ID?	Y N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	Y N
		COMPLETE DATES/TIMES ?	Y N
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED?	Y N
7-DIGIT PWS ID?	Y N	RELINQUISHED SIGNATURE?	Y N
PWS SAMPLE ID?	Y N	RECEIVED SIGNATURE?	Y N
CONTACT NAME?	Y N ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE?	Y N
CONTACT NUMBER?	Y N ON RECORD	#PRESERVATION TYPE(S)?	Y N
IS SAMPLE REPORTABLE?	Y N		

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

** If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.*

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? Y N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) Y N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? Y N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? Y N	IF NO, EXPLAIN:	

HEADSPACE? Y N NA *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N NA *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N NA *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? Y N NA — IF NO, EXPLAIN:

PRESERVATION CHECKED — DATE 11/3/24 TIME 7:42 INITIALS DF

PRESERVATION ADDED — ____ mL Added — DATE — TIME — INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		21D9064	INITIALS DF	TIME 9:00

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

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NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
01/12/24 15:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AYA1437-01	Water	Composite	01/09/24 07:15	01/09/24 20:15

Client Sample ID: **WASTE WATER WEIR**

Date/Time Sampled: 01/09/24 07:15

Laboratory Sample ID: **AYA1437-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	01/10/24 11:58	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	01/11/24 15:15	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	01/11/24 15:15	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman

Project Manager

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Ulster, PA 18850

Project: Filter Plant
Project Number: [none]

Reported:
01/12/24 15:26

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
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AYA1437

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID W497

COMPLETE UPON LAB RECEIPT

COC ID# AYA1437

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID RFS

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	8 Jan 2024	0715	9 Jan 2024	0715	X		1	1L Poly NP	0.1	<2	NP	
									X	1	250ml Poly HNO3		<2	NP	-01
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	9 Jan 2024	0816	[signature] (181)	1/9/24	0816
[signature] (181)	1/9/24	1400	Mark A. Wain 783	1-9-24	17:15
	DATE	TIME	RECEIVED BY	DATE	TIME
			Mark A. Wain 783	1-9-24	20:15

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Ulster		WORK ORDER: AUA14377	PAGE 2 OF 2
DATE: 1/10/24	TIME: 8:10		
INITIALS: DF			
RECEIVED TEMP (°C): 0.1		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: R615			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ? (Y) N	
7-DIGIT PWS ID? Y N		GRAB/COMPOSITE NOTED? (Y) N	
PWS SAMPLE ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		RECEIVED SIGNATURE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
IS SAMPLE REPORTABLE? Y N		#PRESERVATION TYPE(S)? (Y) N	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		# If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:		
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:		
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:		
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:		
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:		
PRESERVATION CHECKED	DATE 1/10/24	TIME 8:10	INITIALS DF
PRESERVATION ADDED ____ mL Added	DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		2L09064	INITIALS DF	TIME 9:29

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	
PERSON CONTACTED	OUTCOME OF DISCUSSION
CIRCLE METHOD PHONE / EMAIL / OTHER	ADDITIONAL NOTES

Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
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DuBois, PA 15801
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EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
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Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
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NY 12175

Pace Wysox
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Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
01/24/24 15:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AYA2672-01	Water	Composite	01/16/24 06:45	01/16/24 19:40

Client Sample ID: **WASTE WATER WEIR**

Date/Time Sampled: 01/16/24 06:45

Laboratory Sample ID: **AYA2672-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	01/17/24 10:03	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	01/18/24 13:53	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	01/18/24 13:53	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
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Project: Filter Plant
Project Number: [none]

Reported:
01/24/24 15:26

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

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NY 12127

Ulster Municipal Authority
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Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

01/24/24 15:26

Definitions Continued:

[CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

ND Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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PA 08-05622
NY 12127

Ulster Municipal Authority
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Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

01/24/24 15:26

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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FAIRWAY LABORATORIES
1851 Golden Mile Road Wysox, PA 18854
p: (570) 866-0195
WWW.FAIRWAYLABORATORIES.COM

AYA2672

FAIRWAY LABORATORIES

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID: Ace 12

COMPLETE UPON LAB RECEIPT
COC ID# AYA2672
PAGE 1 OF 2
ON ICE (Y) N
TEMP GUN ID R94
FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	1-15	8:00 Am	1-16	6:45 Am	X		1	1L Poly NP	0	<2	NP	
									X	1	250ml Poly HNO3		<2	NP	01
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
H.P. Holdren	1-16-24	7:15 Am	Robt Elliott	1/16/24	10 59
Robt Elliott	1/16/24	1340	[illegible]	1-16-24	1720
			[illegible]	1-16-24	1940

ADDITIONAL NOTES
WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Alpha	WORK ORDER	AXA21072
DATE	11/17/24	TIME	7:19
INITIALS	DF	PAGE	2 OF 2
RECEIVED TEMP (C°)	0		
RECEIVED ON ICE?	(Y) N		
AM TEMP GUN ID	RG15		
AM TEMP <6°C	(Y) N NA		
CUSTODY SEALS?	Y N (NA)		
SEALS INTACT?	Y N (NA)		

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N — *IF NO, EXPLAIN:* CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	(Y) N	SAMPLE LOCATION/DESCRIPTION/ID?	(Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	(Y) N
		COMPLETE DATES/TIMES ?	(Y) N
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED?	(Y) N
7-DIGIT PWS ID?	Y N	RELINQUISHED SIGNATURE?	(Y) N
PWS SAMPLE ID?	Y N	RECEIVED SIGNATURE?	(Y) N
CONTACT NAME?	Y N ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE?	(Y) N
CONTACT NUMBER?	Y N ON RECORD	#PRESERVATION TYPE(S)?	(Y) N
IS SAMPLE REPORTABLE?	Y N		

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

** If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.*

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT?	(Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME)	(Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS?	(Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED?	(Y) N	IF NO, EXPLAIN:	

HEADSPACE? Y N (NA)	FIELD FILTERED? Y N (NA)	TRIP BLANKS? Y N (NA)
Volatilies, Odor, Ignitability, Sulfide	*Dissolved Analyses, Hex Cr, Ortho-Phos*	*Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS?	(Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED		DATE 11/17/24 TIME 7:19	INITIALS DF
PRESERVATION ADDED	_____ mL Added	DATE	TIME / INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE / TIME
		2609064	INITIALS DF	11/17/24 7:55

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

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NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
01/30/24 11:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AYA3777-01	Water	Composite	01/23/24 07:15	01/23/24 18:55

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 01/23/24 07:15

Laboratory Sample ID: AYA3777-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	6.00		1.60	mg/l	01/24/24 15:12	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	01/26/24 15:07	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	01/26/24 15:07	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

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60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

01/30/24 11:50

Definitions:

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If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

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Definitions Continued:

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NY 12175

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(570) 265-5040

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NY 12127

Ulster Municipal Authority
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Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

01/30/24 11:50

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[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
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EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
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LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AYA3777

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___ / ___ / ____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID W504

COMPLETE UPON LAB RECEIPT

COC ID# AYA3777

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID T391

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	1/23/24	0715	1/23/24	0715	X		1	1L Poly NP	0	<2	NP	01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	23 JAN 2024	1045	Robert Elliott	1/23/24	10:45
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert Elliott	1/23/24	1240	[signature]	1-23-24	1645
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]	1-23-24	1855

ADDITIONAL NOTES

WEEKLY FILTER PLANT

6

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Ulster	WORK ORDER	24A3777
DATE	9/24/24	TIME 7:57	PAGE 2 OF 2
INITIALS	DF		
RECEIVED TEMP (C°)	0	WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME?	(Y) N
RECEIVED ON ICE?	(Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED	
AM TEMP GUN ID	RGS		
AM TEMP <6°C	(Y) N NA	WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS?	Y N (NA)		
SEALS INTACT?	Y N (NA)		

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	(Y) / N	SAMPLE LOCATION/DESCRIPTION/ID?	(Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	(Y) N
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ?	(Y) N
7-DIGIT PWS ID?	Y N	GRAB/COMPOSITE NOTED?	(Y) N
PWS SAMPLE ID?	Y N	RELINQUISHED SIGNATURE?	(Y) N
CONTACT NAME?	Y N ON RECORD	RECEIVED SIGNATURE?	(Y) N
CONTACT NUMBER?	Y N ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE?	(Y) N
IS SAMPLE REPORTABLE?	Y N	#PRESERVATION TYPE(S)?	(Y) N
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		# If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT?	(Y) N	IF NO, EXPLAIN:
SAMPLE LABELS MATCH COC? (ID, DATE, TIME)	(Y) N	IF NO, EXPLAIN:
CORRECT CONTAINERS?	(Y) N	IF NO, EXPLAIN:
ADEQUATE VOLUME OF SAMPLE PROVIDED?	(Y) N	IF NO, EXPLAIN:

HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS?	(Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED		DATE 9/24/24 TIME 7:58	INITIALS DF
PRESERVATION ADDED	____ mL Added	DATE	TIME INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID 2409064	SAMPLES LABELED BY	DATE 9/24/24
			INITIALS DF	TIME 9:32

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
02/06/24 11:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AYA4888-01	Water	Composite	01/30/24 07:00	01/30/24 19:20

Client Sample ID: WASTE WATER WEIR

Date/Time Sampled: 01/30/24 07:00

Laboratory Sample ID: AYA4888-01 (Water/Composite)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	01/31/24 11:55	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	02/05/24 13:03	EPA 200.7/4.4	seg	F, L
Manganese	<0.0200		0.0200	mg/l	02/05/24 13:03	EPA 200.7/4.4	seg	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Notes

F	The Laboratory Control Sample (LCS) analyzed with this preparation batch recovered above the acceptance range for the noted analyte.
L	The noted analyte was detected in the method blank.

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02/06/24 11:19

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Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___ / ___ / _____

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ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID W527

COMPLETE UPON LAB RECEIPT
COC ID# AYA4888
PAGE 1 OF 2
ON ICE (Y) N
TEMP GUN ID T91
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SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value			COC ID# FRACTION
Waste Water Weir	W		X	24 Jan 2024	0700	30 Jan 2024	0700	X		1	1L Poly NP	0	<2	NP		-01
									X	1	250ml Poly HNO3		<2	NP		
													<2	NP		
													<2	NP		
													<2	NP		
													<2	NP		
													<2	NP		
													<2	NP		
													<2	NP		
													<2	NP		

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	30 Jan 2024	1100	[signature]	1/30/24	11:00
[signature]	1/30/24	1230	[signature]	1-30-24	1713
			[signature]	1-30-24	1920

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Altoona Municipal	WORK ORDER	AYA4888
DATE	1/31/24	TIME	7:17
INITIALS	DF	PAGE	2 OF 2
RECEIVED TEMP (C°)	0		
RECEIVED ON ICE?	(Y) N		
AM TEMP GUN ID	RG15		
AM TEMP <6°C	(Y) N NA		
CUSTODY SEALS?	Y N (NA)		
SEALS INTACT?	Y N (NA)		

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N

IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	(Y) N	SAMPLE LOCATION/DESCRIPTION/ID?	(Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	(Y) N
		COMPLETE DATES/TIMES ?	(Y) N
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED?	(Y) N
7-DIGIT PWS ID?	Y N	RELINQUISHED SIGNATURE?	(Y) N
PWS SAMPLE ID?	Y N	RECEIVED SIGNATURE?	(Y) N
CONTACT NAME?	Y N ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE?	(Y) N
CONTACT NUMBER?	Y N ON RECORD	#PRESERVATION TYPE(S)?	(Y) N
IS SAMPLE REPORTABLE?	Y N		

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT?	(Y) N	IF NO, EXPLAIN:
SAMPLE LABELS MATCH COC? (ID, DATE, TIME)	(Y) N	IF NO, EXPLAIN:
CORRECT CONTAINERS?	(Y) N	IF NO, EXPLAIN:
ADEQUATE VOLUME OF SAMPLE PROVIDED?	(Y) N	IF NO, EXPLAIN:

HEADSPACE? Y N (NA)	FIELD FILTERED? Y N (NA)	TRIP BLANKS? Y N (NA)
Volatilies, Odor, Ignitability, Sulfide	*Dissolved Analyses, Hex Cr, Ortho-Phos*	*Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS?	(Y) N NA	IF NO, EXPLAIN:		
PRESERVATION CHECKED		DATE 1/31/24	TIME 7:18	INITIALS DF
PRESERVATION ADDED	____ mL Added	DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE 1/31/24
		2409064	INITIALS DF	TIME 9:41

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
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EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
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EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
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Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
02/14/24 11:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AYB0710-01	Water	Composite	02/06/24 07:15	02/06/24 20:12

Client Sample ID: **WASTE WATER WEIR**

Date/Time Sampled: 02/06/24 07:15

Laboratory Sample ID: **AYB0710-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	02/07/24 10:37	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	02/13/24 15:19	EPA 200.7/4.4	seg	
Manganese	0.378		0.0200	mg/l	02/13/24 15:19	EPA 200.7/4.4	seg	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Ron Bollman
Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
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Project: Filter Plant
Project Number: [none]

Reported:
02/14/24 11:50

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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Ulster Municipal Authority
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Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

02/14/24 11:50

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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NY 12127

Ulster Municipal Authority
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Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

02/14/24 11:50

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854
p: (570) 866-0195
WWW.FAIRWAYLABORATORIES.COM

AYB0710

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

COOLER ID: WS36

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___ / ___ / ____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED — INCLUDE ONE CONTAINER TYPE PER ROW

COMPLETE UPON LAB RECEIPT
COC ID# AYB0710
PAGE 1 OF 2
ON ICE (Y) N
TEMP GUN ID TG14
FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	5 FEB 2024	0715	6 FEB 2024	0715	X		1	1L Poly NP	0	<2	NP	
									X	1	250ml Poly HNO3		<2	NP	-01
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	6 FEB 2024	1028	R.M-Elliot	2/6/24	1028
R.M-Elliot	2/6/24	1900		2-6-24	1717
	DATE	TIME	RECEIVED BY	DATE	TIME
				2-6-24	2017

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Alstes Municipal		WORK ORDER: AYB0710	PAGE: 2 OF 2
DATE: 2/7/24	TIME: 724		
INITIALS: DF			
RECEIVED TEMP (°C): 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG-15			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
		COMPLETE DATES/TIMES ? (Y) N	
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED? (Y) N	
7-DIGIT PWS ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
PWS SAMPLE ID? Y N		RECEIVED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		*NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		*PRESERVATION TYPE(S)? (Y) N	
IS SAMPLE REPORTABLE? Y N		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC			

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:		
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:		
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:		
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:		
HEADSPACE? Y N (NA) *Volatilies, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:		
PRESERVATION CHECKED	DATE 2/7/24	TIME 725	INITIALS DF
PRESERVATION ADDED	____ mL Added DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		2090604	INITIALS DF	TIME 8:32

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

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NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
03/01/24 10:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYB2149-01	Water	Composite	02/13/24 07:15	02/13/24 20:00

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 02/13/24 07:15

Laboratory Sample ID: **AYB2149-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	02/14/24 11:00	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	02/20/24 15:14	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	02/20/24 15:14	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

03/01/24 10:49

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

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Definitions Continued:

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Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
1851 Golden Mile Road
Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

03/01/24 10:49

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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VA 460212

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PA DEP Chapter 252
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WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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FAIRWAY LABORATORIES

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1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AYB2149

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID 2584

COMPLETE UPON LAB RECEIPT

COC ID# AYB2149

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID T94

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	12 FEB 2024	0715	13 FEB 2024	0715	X		1	1L Poly NP	0	<2	NP	-01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RWE	13 FEB 2024	1120	RWE Elliott	2/13/24	1120
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RWE Elliott	2/13/24	1300		2-13-24	0700
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				2-13-24	2000

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Alstem		WORK ORDER: AUB2149	PAGE: 2 OF 2
DATE: 2/14/24	TIME: 8:38		
INITIALS: OF			
RECEIVED TEMP (°C): 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG11			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ? (Y) N	
7-DIGIT PWS ID? Y N		GRAB/COMPOSITE NOTED? (Y) N	
PWS SAMPLE ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		RECEIVED SIGNATURE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
IS SAMPLE REPORTABLE? Y N		#PRESERVATION TYPE(S)? (Y) N	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:		
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:		
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:		
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:		
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N (NA)	IF NO, EXPLAIN:		
PRESERVATION CHECKED	DATE: 2/14/24	TIME:	INITIALS:
PRESERVATION ADDED	____ mL Added DATE:	TIME:	INITIALS:

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE: 2/14/24
		2L090104	INITIALS: OF	TIME: 9:38

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

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NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
03/06/24 16:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
WASTE WATER WEIR	AYB3275-01	Water	Composite	02/20/24 07:15	02/20/24 15:30

Client Sample ID: **WASTE WATER WEIR**

Date/Time Sampled: 02/20/24 07:15

Laboratory Sample ID: **AYB3275-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	02/21/24 11:30	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	02/27/24 12:08	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	02/27/24 12:08	EPA 200.7/4.4	seg	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Project: Filter Plant
Project Number: [none]

Reported:
03/06/24 16:23

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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03/06/24 16:23

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p: (570) 866-0195
WWW.FAIRWAYLABORATORIES.COM

AYB3275

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID: W562

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE
Waste Water Weir	W		X	19 FEB 2024	0715	20 FEB 2024	0715	X		1	1L Poly NP
									X	1	250ml Poly HNO3

COMPLETE UPON LAB RECEIPT

COC ID# AYB3275

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID T911

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

TEMP °C	Indicate pH value		COC ID# FRACTION
(5)	<2	(NP)	01
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	
	<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	20 FEB 2024	0755	Robert E Elliott	2/20/24	0755
Robert E Elliott	2/20/24	1245	[signature]	2-20-24	1730
			[signature]	2-20-24	1930

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Ulster		WORK ORDER: AYB3275	PAGE: 1 OF 2
DATE: 2/21/24	TIME: 7:57		
INITIALS: DF			
RECEIVED TEMP (C°): 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? Y N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG15			
AM TEMP <6°C (Y) N NA			
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y), N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ? (Y) N	
7-DIGIT PWS ID? Y N		GRAB/COMPOSITE NOTED? (Y) N	
PWS SAMPLE ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		RECEIVED SIGNATURE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
IS SAMPLE REPORTABLE? Y N		#PRESERVATION TYPE(S)? (Y) N	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		* *If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record*	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE 2/21/24 TIME 7:57	INITIALS DF
PRESERVATION ADDED	_____ mL Added DATE	TIME INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		2109064	INITIALS DF	TIME 1905

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
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EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
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Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
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NY 12175

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(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
03/12/24 13:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYB4621-01	Water	Composite	02/27/24 06:45	02/27/24 19:40

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 02/27/24 06:45

Laboratory Sample ID: **AYB4621-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	02/28/24 12:36	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	03/01/24 14:53	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	03/01/24 14:53	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Project: Filter Plant
Project Number: [none]

Reported:
03/12/24 13:44

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

03/12/24 13:44

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

03/12/24 13:44

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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FAIRWAY LABORATORIES
1851 Golden Mile Road Wysox, PA 18854
p: (570) 866-0195
WWW.FAIRWAYLABORATORIES.COM

AYB4621

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/_____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID W205

COMPLETE UPON LAB RECEIPT
COC ID# AYB4621
PAGE 1 OF 2
ON ICE (Y) N
TEMP GUN ID TG11
FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	26 FEB 2024	0645	27 FEB 2024	0645	X		1	1L Poly NP	0	<2	NP	01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	27 FEB 2024	0815	Bob Chamberlain (181)	2/27/24	0815
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Bob Chamberlain (181)	2/27/24	1340	[signature]	2-27-24	1740
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]	2-27-24	1940

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Weber
DATE: 2/28/24 TIME: 8:04
WORK ORDER: AYB4621
PAGE: 2 OF 2
INITIALS: DF
RECEIVED TEMP (C°): C
RECEIVED ON ICE? (Y) N
AM TEMP GUN ID: RG160
AM TEMP <6°C (Y) N NA
CUSTODY SEALS? Y N (NA)
SEALS INTACT? Y N (NA)

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N
IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!

IF PWS, DOES COC CONTAIN:
7-DIGIT PWS ID? Y N
PWS SAMPLE ID? Y N
CONTACT NAME? Y N ON RECORD
CONTACT NUMBER? Y N ON RECORD
IS SAMPLE REPORTABLE? Y N
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

SAMPLE LOCATION/DESCRIPTION/ID? (Y) N
NAME or INITIALS of SAMPLE COLLECTOR? (Y) N
COMPLETE DATES/TIMES ? (Y) N
GRAB/COMPOSITE NOTED? (Y) N
RELINQUISHED SIGNATURE? (Y) N
RECEIVED SIGNATURE? (Y) N
#NUMBER OF CONTAINERS PER SAMPLE? (Y) N
#PRESERVATION TYPE(S)? (Y) N
 # If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:		
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:		
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:		
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:		
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:		
PRESERVATION CHECKED	DATE 2/28/24	TIME 8:04	INITIALS DF
PRESERVATION ADDED	____ mL Added DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		2L09064	INITIALS DF	TIME 10:06

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

SAMPLE CONDITION UPON RECEIPT (SCUR)
CLIENT | WORK ORDER | PAGE OF

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NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
03/20/24 12:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYC0406-01	Water	Composite	03/05/24 07:00	03/05/24 19:00

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 03/05/24 07:00

Laboratory Sample ID: **AYC0406-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	03/06/24 12:01	SM 2540D-15	krn	L
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	03/13/24 10:19	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	03/13/24 10:19	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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60 Union Lane PO Box 157
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Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
03/20/24 12:09

Notes

L The noted analyte was detected in the method blank.

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Project: Filter Plant
Project Number: [none]

Reported:
03/20/24 12:09

Project Manager: Frank Walker

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\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

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Definitions Continued:

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(814) 371-6030

EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
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(814) 315-4343

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NELAP
PA 25-05907
NY 12175

Pace Wysox
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Wysox, PA 18854
(570) 265-5040

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PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

03/20/24 12:09

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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03/20/24 12:09

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SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

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WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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FAIRWAY LABORATORIES

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1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AYC0406

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___ / ___ / _____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID W583

COMPLETE UPON LAB RECEIPT

COC ID# (crossed out 3504) AYC0417 0406

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID R911

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	4 MAR 2024	0706	5 MAR 2024	0706	X		1	1L Poly NP	0	<2	NP	01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Russ Yu	5 MAR 2024	0835	Rob Elliott	03/5/24	0835
Rob Elliott	3/5/24	1350	[illegible]	3-5-24	1600
			[illegible]	3-5-24	1400

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Alstar		WORK ORDER: AYC0406	PAGE 2 OF 2
DATE: 3/6/24	TIME: 8:31		
INITIALS: DF			
RECEIVED TEMP (C°): 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: KG-15			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ? (Y) N	
7-DIGIT PWS ID? Y N		GRAB/COMPOSITE NOTED? (Y) N	
PWS SAMPLE ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		RECEIVED SIGNATURE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
IS SAMPLE REPORTABLE? Y N		#PRESERVATION TYPE(S)? (Y) N	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:		
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:		
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:		
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:		
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:		
PRESERVATION CHECKED	DATE 3/6/24 TIME 8:31	INITIALS DF	
PRESERVATION ADDED	____ mL Added DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		2L090664	INITIALS DF	TIME 10:39

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

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PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
03/22/24 15:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYC1806-01	Water	Composite	03/12/24 06:30	03/12/24 19:40

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 03/12/24 06:30

Laboratory Sample ID: **AYC1806-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	03/13/24 09:42	SM 2540D-15	krn	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	03/15/24 12:20	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	03/15/24 12:20	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant
Project Number: [none]

Reported:
03/22/24 15:23

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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03/22/24 15:23

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p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AYC1806

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___ / ___ / _____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID: 1U525

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE
Waste Water Weir	W		X	11 MAR 2024	0630	12 MAR 2024	0630	X		1	1L Poly NP
									X	1	250ml Poly HNO3

COMPLETE UPON LAB RECEIPT

COC ID# AYC1806

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID T211

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

TEMP °C	Indicate pH value			COC ID# FRACTION
0	<2	NP		-0
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RM	12 MAR 2024	1000	Rob Elliott	3/12/24	1000
Rob Elliott	3/12/24	1230	[illegible] 3M	3-12-24	1717
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[illegible] 3M	3-12-24	1845

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Client	WORK ORDER	AYC1806
DATE	3/13/24	TIME	7:55
INITIALS	DF	PAGE	2 OF 2
RECEIVED TEMP (C°)	0		
RECEIVED ON ICE?	(Y) N		
AM TEMP GUN ID	RG16		
AM TEMP <6°C	(Y) N NA		
CUSTODY SEALS?	Y N (NA)		
SEALS INTACT?	Y N (NA)		

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N

IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	(Y) N	SAMPLE LOCATION/DESCRIPTION/ID?	(Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	(Y) N
		COMPLETE DATES/TIMES ?	(Y) N
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED?	(Y) N
7-DIGIT PWS ID?	Y N	RELINQUISHED SIGNATURE?	(Y) N
PWS SAMPLE ID?	Y N	RECEIVED SIGNATURE?	(Y) N
CONTACT NAME?	Y N ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE?	(Y) N
CONTACT NUMBER?	Y N ON RECORD	#PRESERVATION TYPE(S)?	(Y) N
IS SAMPLE REPORTABLE?	Y N		

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

** If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.*

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	

HEADSPACE? Y N (NA) *Volatilities, Odor, Ignitability, Sulfide*

FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*

TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA — IF NO, EXPLAIN:

PRESERVATION CHECKED — DATE 3/13/24 TIME 7:55 INITIALS DF

PRESERVATION ADDED — _____ mL Added DATE TIME INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		209064	INITIALS DF	TIME 8:45

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AYC1806

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

COOLER ID: U525

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/_____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED — INCLUDE ONE CONTAINER TYPE PER ROW

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE
Waste Water Weir	W		X	11 MAR 2024	0630	12 MAR 2024	0630	X		1	1L Poly NP
									X	1	250ml Poly HNO3

COMPLETE UPON LAB RECEIPT

COC ID# AYC1806

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID T211

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

TEMP °C	Indicate pH value			COC ID# FRACTION
0	<2	NP		-0
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		
	<2	NP		

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	12 MAR 2024	1000	[signature]	3/12/24	1000
[signature]	3/12/24	1230	[signature]	3-12-24	1717
			[signature]	3-12-24	1846

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT Water | WORK ORDER A4C1806 | PAGE 2 OF 2

DATE 3/13/24 | TIME 7:55

INITIALS DF

RECEIVED TEMP (C°) 0

RECEIVED ON ICE? (Y) N

AM TEMP GUN ID RG16

AM TEMP <6°C (Y) N NA

CUSTODY SEALS? Y N (NA)

SEALS INTACT? Y N (NA)

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N

IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N

IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!

IF PWS, DOES COC CONTAIN:

7-DIGIT PWS ID? Y N

PWS SAMPLE ID? Y N

CONTACT NAME? Y N ON RECORD

CONTACT NUMBER? Y N ON RECORD

IS SAMPLE REPORTABLE? Y N

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

SAMPLE LOCATION/DESCRIPTION/ID? (Y) N

NAME or INITIALS of SAMPLE COLLECTOR? (Y) N

COMPLETE DATES/TIMES ? (Y) N

GRAB/COMPOSITE NOTED? (Y) N

RELINQUISHED SIGNATURE? (Y) N

RECEIVED SIGNATURE? (Y) N

#NUMBER OF CONTAINERS PER SAMPLE? (Y) N

#PRESERVATION TYPE(S)? (Y) N

* *If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.*

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	

HEADSPACE? Y N (NA) — *Volatiles, Odor, Ignitability, Sulfide*

FIELD FILTERED? Y N (NA) — *Dissolved Analyses, Hex Cr, Ortho-Phos*

TRIP BLANKS? Y N (NA) — *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA — IF NO, EXPLAIN:

PRESERVATION CHECKED — DATE 3/13/24 TIME 7:55 INITIALS DF

PRESERVATION ADDED — _____ mL Added — DATE — TIME — INITIALS

PRESERVATIVE:	ELEMENT ID:

pH STRIPS ELEMENT ID 209064

SAMPLES LABELED BY — INITIALS DF — DATE 3/13/24 — TIME 8:45

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME

PAS-ALTOONA EMPLOYEE

PERSON CONTACTED

CIRCLE METHOD
PHONE / EMAIL / OTHER

REASON FOR CONTACT

OUTCOME OF DISCUSSION

ADDITIONAL NOTES

Pace Altoona
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(814) 946-4306

EPA Lab ID: PA01737

NELAP
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VA 460212

State Certifications:
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WV WW/SCM 364
WV DW 9963 CM

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PA DEP Chapter 252
PA 33-00258

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EPA Lab ID: PA01736

NELAP
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NY 12175

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(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:
04/03/24 19:25

Project Manager: Frank Walker

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYC3172-01	Water	Composite	03/19/24 07:15	03/19/24 19:30

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 03/19/24 07:15

Laboratory Sample ID: **AYC3172-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	0.800		0.800	mg/l	03/20/24 11:23	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	03/29/24 10:40	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	03/29/24 10:40	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

Pace Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant
Project Number: [none]

Reported:
04/03/24 19:25

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

04/03/24 19:25

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

04/03/24 19:25

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

Pace Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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1851 Golden Mile Road Wysox, PA 18854
p: (570) 866-0195
WWW.FAIRWAYLABORATORIES.COM

AYC3172

CHAIN OF CUSTODY

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/_____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

COOLER ID W593

COMPLETE UPON LAB RECEIPT
COC ID# AYC3172
PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID T94

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	18 MAR 2024	0715	19 MAR 2024	0745	X		1	1L Poly NP	0	<2	NP	01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	19 MAR 2024	1125	Robert Elliott	3/19/24	1125
Robert Elliott	3/19/24	1245	[signature]	3-19-24	1715
			[signature]	3-19-24	1930

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Ulster | WORK ORDER: AYC3172 | PAGE: 2 OF 2

DATE: 3/20/24 | TIME: 8:02

INITIALS: DF

RECEIVED TEMP (C°): 0

RECEIVED ON ICE? (Y) N

AM TEMP GUN ID: R615

AM TEMP <6°C (Y) N NA

CUSTODY SEALS? Y N (NA)

SEALS INTACT? Y N (NA)

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N

IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N

IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!

IF PWS, DOES COC CONTAIN:

7-DIGIT PWS ID? Y N

PWS SAMPLE ID? Y N

CONTACT NAME? Y N ON RECORD

CONTACT NUMBER? Y N ON RECORD

IS SAMPLE REPORTABLE? Y N

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

SAMPLE LOCATION/DESCRIPTION/ID? (Y) N

NAME or INITIALS of SAMPLE COLLECTOR? (Y) N

COMPLETE DATES/TIMES ? (Y) N

GRAB/COMPOSITE NOTED? (Y) N

RELINQUISHED SIGNATURE? (Y) N

RECEIVED SIGNATURE? (Y) N

#NUMBER OF CONTAINERS PER SAMPLE? (Y) N

#PRESERVATION TYPE(S)? (Y) N

** If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.*

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N — IF NO, EXPLAIN:

SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N — IF NO, EXPLAIN:

CORRECT CONTAINERS? (Y) N — IF NO, EXPLAIN:

ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N — IF NO, EXPLAIN:

HEADSPACE? Y N (NA) — *Volatiles, Odor, Ignitability, Sulfide*

FIELD FILTERED? Y N (NA) — *Dissolved Analyses, Hex Cr, Ortho-Phos*

TRIP BLANKS? Y N (NA) — *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA — IF NO, EXPLAIN:

PRESERVATION CHECKED — DATE 3/20/24 TIME 8:00 INITIALS DF

PRESERVATION ADDED — _____ mL Added DATE TIME INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID
		4C12121

SAMPLES LABELED BY — INITIALS DF — DATE 3/20/24 — TIME 8:39

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD: PHONE / EMAIL / OTHER	

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(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
04/09/24 18:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYC4235-01	Water	Composite	03/26/24 07:00	03/26/24 19:20

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 03/26/24 07:00

Laboratory Sample ID: **AYC4235-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	03/27/24 11:55	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	04/04/24 12:34	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	04/04/24 12:34	EPA 200.7/4.4	rjd	
Zinc	<0.0200		0.0200	mg/l	04/04/24 12:34	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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NELAP
PA 07-00062
VA 460212

State Certifications:
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WV WW/SCM 364
WV DW 9963 CM

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EPA Lab ID: PA01735

PA DEP Chapter 252
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(570) 265-5040

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NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

04/09/24 18:42

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

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CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
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SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AYC4235

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

COOLER ID: 441

COMPLETE UPON LAB RECEIPT

COC ID#: AYC4235

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID: TG4

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/___

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED — INCLUDE ONE CONTAINER TYPE PER ROW

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Fe, Mn, Zn	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	25/03/24	0700	26/03/24	0700	X		1	1L Poly NP	0°C	<2	NP	01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	26/03/2024	0753	Rob Chamberlain (RC)	3/26/24	0753
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Chem Bechtold	3/27/24	1200	[signature]	3-27-24	1120
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]	3-27-24	1420

ADDITIONAL NOTES

QUARTERLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Ulster Municipal		WORK ORDER: 24C4235	PAGE 2 OF 2
DATE: 3/27/24	TIME: 811		
INITIALS: DF			
RECEIVED TEMP (°C): 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG16			
AM TEMP <6°C (Y) N	NA		
CUSTODY SEALS? Y N	(NA)		
SEALS INTACT? Y N	(NA)		

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES? (Y) N	
7-DIGIT PWS ID? Y N		GRAB/COMPOSITE NOTED? (Y) N	
PWS SAMPLE ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
CONTACT NAME? Y N	ON RECORD	RECEIVED SIGNATURE? (Y) N	
CONTACT NUMBER? Y N	ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
IS SAMPLE REPORTABLE? Y N		#PRESERVATION TYPE(S)? (Y) N	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		*# If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record*	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:		
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:		
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:		
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:		
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:		
PRESERVATION CHECKED	DATE 3/27/24	TIME 7:30	INITIALS DF
PRESERVATION ADDED	_____ mL Added DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID: 4C/2121	SAMPLES LABELED BY	DATE 3/27/24
			INITIALS DF	TIME 9:34

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME		REASON FOR CONTACT	
PAS-ALTOONA EMPLOYEE		OUTCOME OF DISCUSSION	
PERSON CONTACTED		ADDITIONAL NOTES	
CIRCLE METHOD: PHONE / EMAIL / OTHER			

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
04/16/24 10:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYD0286-01	Water	Composite	04/02/24 07:05	04/02/24 19:20

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 04/02/24 07:05

Laboratory Sample ID: **AYD0286-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	2.00		1.60	mg/l	04/03/24 09:32	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	04/10/24 10:02	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	04/10/24 10:02	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

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HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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FAIRWAY LABORATORIES

FAIRWAY LABORATORIES

1851 Golden Mile Road Wysox, PA 18854

p: (570) 866-0195

WWW.FAIRWAYLABORATORIES.COM

AYD0286

CLIENT	Ulster Municipal Authority
ADDRESS	60 Union Lane, PO Box 157 Ulster, PA 18850
PROJECT	Filter Plant
CONTACT	Frank Walker
PHONE	607-857-7505
EMAIL	

PWS ID

CHECK IF PADEP REPORTABLE ☐

CHECK TO INCLUDE FIELD RESULTS ON FINAL REPORT ☐

TURN AROUND TIME
☐ NORMAL
☐ RUSH
DATE REQUIRED ___/___/____

SAMPLER INITIALS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER

ANALYSES REQUESTED
INCLUDE ONE CONTAINER TYPE PER ROW

COOLER ID 2

COMPLETE UPON LAB RECEIPT

COC ID# AYD0286

PAGE 1 OF 2

ON ICE (Y) N

TEMP GUN ID TG11

FOR WV SAMPLES, EACH BOTTLE MUST HAVE TEMP RECORDED AT TIME OF RECEIPT

SAMPLE DESCRIPTION/LOCATION	MATRIX	GRAB	COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END OR GRAB DATE	COMPOSITE END OR GRAB TIME	TSS	Total Iron, Manganese	NUMBER OF BOTTLES	CONTAINER TYPE / PRESERVATIVE	TEMP °C	Indicate pH value		COC ID# FRACTION
Waste Water Weir	W		X	4/1/2024	0715	4/2/2024	0715	X		1	1L Poly NP	0	<2	NP	-01
									X	1	250ml Poly HNO3		<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	
													<2	NP	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert Elliott	4/2/2024	1020	Robert Elliott	4/2/24	1020
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert Elliott	4/2/24	1300	[illegible]	4-2-24	1730
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[illegible]	4-2-24	1900

ADDITIONAL NOTES

WEEKLY FILTER PLANT

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Ulster Municipal		WORK ORDER: AYD0286	PAGE 2 OF 2
DATE: 4/3/24	TIME: 7:22		
INITIALS: DF		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED TEMP (C°): 0.0			
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG116			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ? (Y) N	
7-DIGIT PWS ID? Y N		GRAB/COMPOSITE NOTED? (Y) N	
PWS SAMPLE ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		RECEIVED SIGNATURE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
IS SAMPLE REPORTABLE? Y N		#PRESERVATION TYPE(S)? (Y) N	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE 4/3/24 TIME 6:30 INITIALS DF	
PRESERVATION ADDED	____ mL Added DATE TIME INITIALS	

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID: 4C25101	SAMPLES LABELED BY: DF	DATE 4/3/24 TIME 7:47

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME		REASON FOR CONTACT	
PAS-ALTOONA EMPLOYEE		OUTCOME OF DISCUSSION	
PERSON CONTACTED		ADDITIONAL NOTES	
CIRCLE METHOD: PHONE / EMAIL / OTHER			

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	WORK ORDER	PAGE OF

Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
40 Hoover Avenue
DuBois, PA 15801
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EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

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EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
1851 Golden Mile Road
Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
04/23/24 14:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYD1521-01	Water	Composite	04/09/24 07:15	04/09/24 19:19

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 04/09/24 07:15

Laboratory Sample ID: **AYD1521-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	04/10/24 09:08	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	04/16/24 14:53	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	04/16/24 14:53	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Project: Filter Plant
Project Number: [none]

Reported:
04/23/24 14:11

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

04/23/24 14:11

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

04/23/24 14:11

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

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Cooler 960

Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

AYD1521

Company Name:	**Ulster Municipal Authority**	Contact/Report To:	Frank Walker
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850	Phone #:	607-857-7505
		E-Mail:	
		Cc E-Mail:	
Customer Project #:			
Project Name:	**Filter Plant**	Invoice To:	
		Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No	
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TSS	Total Iron, Manganese	Sample Comment
Waste Water Weir	WW	Comp	8 APR 2024	0715	9 APR 2024	0715	2			X	X	0°C

Specify Container Size **: 1 2 3

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***: 1 2

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only
- Proj. Mgr:
- AcctNum / Client ID:
- Table #:
- Profile / Template:
- Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By:
(Printed Name) Russell Lehr
Signature:

Customer Remarks / Special Conditions / Possible Hazards:
T391

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
		Robert Elliott	4/9/24 0815	
Robert Elliott	4/9/24 1240		4-9-24 1730	Delivered by: [ ] In- Person [ ] Courier
			4-9-24 1919	[ ] FedEx [ ] UPS [ ] Other
				Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT Ulster		WORK ORDER AYD1521	PAGE 2 OF 2
DATE 4/10/24	TIME 6:35		
INITIALS DF			
RECEIVED TEMP (C°) 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID RG16			
AM TEMP <6°C (Y) N NA			
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ? (Y) N	
7-DIGIT PWS ID? Y N		GRAB/COMPOSITE NOTED? (Y) N	
PWS SAMPLE ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		RECEIVED SIGNATURE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
IS SAMPLE REPORTABLE? Y N		#PRESERVATION TYPE(S)? (Y) N	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		# *If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.*	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:		
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:		
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:		
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:		
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:		
PRESERVATION CHECKED	DATE 4/10/24	TIME 6:30	INITIALS DF
PRESERVATION ADDED	____ mL Added DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE 4/10/24
		4C220169	INITIALS DF	TIME 6:45

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	
PERSON CONTACTED	OUTCOME OF DISCUSSION
CIRCLE METHOD PHONE / EMAIL / OTHER	ADDITIONAL NOTES

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EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

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(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
04/24/24 18:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYD2816-01	Water	Composite	04/16/24 07:30	04/16/24 18:00

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 04/16/24 07:30

Laboratory Sample ID: **AYD2816-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	04/17/24 12:30	SM 2540D-15	amh	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	04/22/24 15:46	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	04/22/24 15:46	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

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Reported:
04/24/24 18:08

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
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Definitions Continued:

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04/24/24 18:08

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EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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Cooler Copy

Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

AYD2816

Company Name:	Ulster Municipal Authority
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850
Customer Project #:	
Project Name:	Filter Plant
Site Collection Info/Facility ID (as applicable):	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET	
Contact/Report To:	Frank Walker
Phone #:	607-857-7505
E-Mail:	
Cc E-Mail:	
Invoice To:	
Invoice E-Mail:	
Purchase Order # (if applicable):	
Quote #:	
County / State origin of sample(s):	

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TSS	Total Iron, Manganese								Sample Comment
Specify Container Size **										V2									
Identify Container Preservative Type***										1	3								
Analysis Requested										1	2								
Waste Water Weir	WW	Comp	15 APR 24	0730	16 APR 24	0730	2			X	X								

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr:
AcctNum / Client ID:
Table #:
Profile / Template:
Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By:
(Printed Name) Russell Lehn
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	T6H				

Relinquished by/Company: (Signature) (Client) Vcan	Date/Time: 4/16/24 1120	Received by/Company: (Signature) Robt E. Elliott	Date/Time: 4/16/24 1120
Relinquished by/Company: (Signature) Robt Elliott	Date/Time: 4/16/24 1250	Received by/Company: (Signature)	Date/Time: 4-16-24 1620
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 4-16-24 1800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT Matt		WORK ORDER AYD2816	PAGE 2 OF 2
DATE 4/17/24	TIME 6:30		
INITIALS DF			
RECEIVED TEMP (C°) 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID RG16			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
		COMPLETE DATES/TIMES ? (Y) N	
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED? (Y) N	
7-DIGIT PWS ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
PWS SAMPLE ID? Y N		RECEIVED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#PRESERVATION TYPE(S)? (Y) N	
IS SAMPLE REPORTABLE? Y N		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC			

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE 4/18/24 TIME 6:17	INITIALS DF
PRESERVATION ADDED	____ mL Added DATE	TIME INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE 4/17/24
		4025101	INITIALS DF	TIME 6:33

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

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60 Union Lane PO Box 157
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Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
05/02/24 08:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYD4130-01	Water	Composite	04/23/24 05:45	04/23/24 19:00

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 04/23/24 05:45

Laboratory Sample ID: **AYD4130-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	04/24/24 09:25	SM 2540D-15	ark	K
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	04/26/24 13:04	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	04/26/24 13:04	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

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Reported:

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05/02/24 08:40

Notes

K The RPD result exceeded the quality control limits for the duplicate, Laboratory Control Sample Duplicate (LCSD), or Matrix Spike Duplicate (MSD) sample analyzed with the preparation batch.

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\+ MBAS, calculated as LAS, mol wt 348

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EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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NELAP
PA 07-00062
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(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

05/02/24 08:40

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

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WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

AYD4130

Cooler W435

Company Name:	**Ulster Municipal Authority**	Contact/Report To:	Frank Walker
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850	Phone #:	607-857-7505
		E-Mail:	
		Cc E-Mail:	
Customer Project #:			
Project Name:	**Filter Plant**	Invoice To:	
		Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TSS	Total Iron, Manganese									Sample Comment	Preservation non-conformance identified for sample.
Specify Container Size **										1	3									**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other	
Identify Container Preservative Type***										1	2									*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other	
Analysis Requested																				Lab Use Only: Proj. Mgr; AcctNum / Client ID; Table #; Profile / Template; Prelog / Bottle Ord. ID:	
01 Waste Water Weir	WW	Comp	22 Apr 24	0945	23 Apr 2024	0541	2			X	X									OC	

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By: (Printed Name) Rusell Lehn
Signature:

Customer Remarks / Special Conditions / Possible Hazards:
T291

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) Robt Elliott	Date/Time: 4/23/24 1245	Tracking Number:
Relinquished by/Company: (Signature) Robt Elliott	Date/Time: 4/23/24 1245	Received by/Company: (Signature)	Date/Time: 4-23-24 1700	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 4-23-24 1900	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Waster | WORK ORDER: AYD4130 | PAGE: 2 OF 2

DATE: 4/24/24 | TIME: 6:10

INITIALS: DF

RECEIVED TEMP (C°): 0.0

RECEIVED ON ICE? (Y) N

AM TEMP GUN ID: RGH0

AM TEMP <6°C (Y) N NA

CUSTODY SEALS? Y N (NA)

SEALS INTACT? Y N (NA)

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N

IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C

~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N

IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!

IF PWS, DOES COC CONTAIN:

7-DIGIT PWS ID? Y N

PWS SAMPLE ID? Y N

CONTACT NAME? Y N ON RECORD

CONTACT NUMBER? Y N ON RECORD

IS SAMPLE REPORTABLE? Y N

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

SAMPLE LOCATION/DESCRIPTION/ID? (Y) N

NAME or INITIALS of SAMPLE COLLECTOR? (Y) N

COMPLETE DATES/TIMES ? (Y) N

GRAB/COMPOSITE NOTED? (Y) N

RELINQUISHED SIGNATURE? (Y) N

RECEIVED SIGNATURE? (Y) N

#NUMBER OF CONTAINERS PER SAMPLE? (Y) N

#PRESERVATION TYPE(S)? (Y) N

* *If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.*

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	

HEADSPACE? Y N (NA) — *Volatiles, Odor, Ignitability, Sulfide*

FIELD FILTERED? Y N (NA) — *Dissolved Analyses, Hex Cr, Ortho-Phos*

TRIP BLANKS? Y N (NA) — *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA — IF NO, EXPLAIN:

PRESERVATION CHECKED: DATE 4/24/24 TIME 6:10 INITIALS DF

PRESERVATION ADDED: ____ mL Added DATE TIME INITIALS

PRESERVATIVE:	ELEMENT ID:

pH STRIPS ELEMENT ID: 4C25101

SAMPLES LABELED BY: INITIALS DF — DATE 4/24/24 TIME 7:08

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME

PAS-ALTOONA EMPLOYEE

PERSON CONTACTED

CIRCLE METHOD: PHONE / EMAIL / OTHER

REASON FOR CONTACT

OUTCOME OF DISCUSSION

ADDITIONAL NOTES

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PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
05/10/24 11:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYD5178-01	Water	Composite	04/30/24 07:15	04/30/24 19:00

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 04/30/24 07:15

Laboratory Sample ID: **AYD5178-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	05/01/24 10:38	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	05/06/24 10:56	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	05/06/24 10:56	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Project: Filter Plant
Project Number: [none]

Reported:
05/10/24 11:38

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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05/10/24 11:38

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
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Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

AYD5178

Company Name:	Ulster Municipal Authority	Contact/Report To:	Frank Walker
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850	Phone #:	607-857-7505
		E-Mail:	
		Cc E-Mail:	
Customer Project #:			
Project Name:	Filter Plant	Invoice To:	
		Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s):

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 = 3, 2 = 1

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***: 1 = 1, 2 = 2

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TSS	Total Iron, Manganese	Sample Comment	Preservation non-conformance identified for sample.
01 Waste Water Weir	WW	Comp	24 APR 24	0715	30 APR 24	0715	2			X	X	Dc	

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By: (Printed Name) Russell Lahm
Signature:

Customer Remarks / Special Conditions / Possible Hazards:
RQ11

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
474					

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
(Client) Vcar	4/30/24 0955	Robert Elliott	4/30/24 0955	
Relinquished by/Company: (Signature) Robert Elliott	4/30/24 1300	[illegible]	4-30-24 1700	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	[illegible]	4-30-24 1900	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT Ulster | WORK ORDER AYA5178 | PAGE 2 OF 2

DATE 5/1/24 | TIME 0700

INITIALS DF

RECEIVED TEMP (C°)

RECEIVED ON ICE? (Y) N

AM TEMP GUN ID RG16

AM TEMP <6°C (Y) N NA

CUSTODY SEALS? Y N (NA)

SEALS INTACT? Y N (NA)

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N

IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N

IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!

IF PWS, DOES COC CONTAIN:

7-DIGIT PWS ID? Y N

PWS SAMPLE ID? Y N

CONTACT NAME? Y N ON RECORD

CONTACT NUMBER? Y N ON RECORD

IS SAMPLE REPORTABLE? Y N

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

SAMPLE LOCATION/DESCRIPTION/ID? (Y) N

NAME or INITIALS of SAMPLE COLLECTOR? (Y) N

COMPLETE DATES/TIMES ? (Y) N

GRAB/COMPOSITE NOTED? (Y) N

RELINQUISHED SIGNATURE? (Y) N

RECEIVED SIGNATURE? (Y) N

#NUMBER OF CONTAINERS PER SAMPLE? (Y) N

#PRESERVATION TYPE(S)? (Y) N

 # If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	

HEADSPACE? Y N (NA) — *Volatiles, Odor, Ignitability, Sulfide*

FIELD FILTERED? Y N (NA) — *Dissolved Analyses, Hex Cr, Ortho-Phos*

TRIP BLANKS? Y N (NA) — *Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA — IF NO, EXPLAIN:

PRESERVATION CHECKED — DATE 5/1/24 TIME 6:10 INITIALS DF

PRESERVATION ADDED _____ mL Added — DATE TIME INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		4C22069	INITIALS DF	TIME 7:35

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
40 Hoover Avenue
DuBois, PA 15801
(814) 371-6030

EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
1920 East 38th Street
Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
1851 Golden Mile Road
Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
05/21/24 18:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYE1050-01	Water	Composite	05/07/24 07:00	05/07/24 19:30

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 05/07/24 07:00

Laboratory Sample ID: **AYE1050-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	05/08/24 09:35	SM 2540D-15	ark	G
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	05/10/24 12:09	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	05/10/24 12:09	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

05/21/24 18:44

Notes

G The Laboratory Control Sample (LCS) analyzed with this preparation batch recovered below the acceptance range for the noted analyte.

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Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

05/21/24 18:44

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

05/21/24 18:44

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

05/21/24 18:44

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

AYE1050

Company Name:	**Ulster Municipal Authority**
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850
Customer Project #:	
Project Name:	**Filter Plant**
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Frank Walker
Phone #:	607-857-7505
E-Mail:	
Cc E-Mail:	
Invoice To:	
Invoice E-Mail:	
Purchase Order # (if applicable):	
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s):

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TSS	Total Iron, Manganese									Sample Comment
Specify Container Size **										1	3									
Identify Container Preservative Type***										1	2									
Waste Water Weir	WW	Comp	6MAY24	0700	7MAY24	0780	2			X	X									OC

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr:
AcctNum / Client ID:
Table #:
Profile / Template:
Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By:
(Printed Name) Russell Lehman
Signature:

Customer Remarks / Special Conditions / Possible Hazards:
RGIL

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
W048					

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) Robt Elliott	Date/Time: 5/7/24 0900	Tracking Number:
Relinquished by/Company: (Signature) Robt Elliott	Date/Time: 5/7/24 1400	Received by/Company: (Signature)	Date/Time: 5-7-24 1730	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 5-7-24 1930	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of

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SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Ulster		WORK ORDER: 24E1050	PAGE: 2 OF 2
DATE: 5/8/24	TIME: 7:28		
INITIALS: DF			
RECEIVED TEMP (C°): 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG16			
AM TEMP <6°C: (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
		COMPLETE DATES/TIMES ? (Y) N	
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED? (Y) N	
7-DIGIT PWS ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
PWS SAMPLE ID? Y N		RECEIVED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		*NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		*PRESERVATION TYPE(S)? (Y) N	
IS SAMPLE REPORTABLE? Y N		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC			

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:		
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:		
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:		
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:		
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:		
PRESERVATION CHECKED	DATE 5/8/24	TIME 10:10	INITIALS DF
PRESERVATION ADDED	____ mL Added DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE
		4C22069	INITIALS DF	TIME 5/8/24 7:29

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

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EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
05/29/24 19:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYE2661-01	Water	Composite	05/14/24 07:20	05/14/24 19:30

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 05/14/24 07:20

Laboratory Sample ID: **AYE2661-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	05/15/24 09:01	SM 2540D-15	ers	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	05/21/24 12:30	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	05/21/24 12:30	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
40 Hoover Avenue
DuBois, PA 15801
(814) 371-6030

EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
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Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
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Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant
Project Number: [none]

Reported:
05/29/24 19:03

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
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W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

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SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

AYE2661

Company Name:	Ulster Municipal Authority
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850
Customer Project #:	
Project Name:	Filter Plant
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Frank Walker
Phone #:	607-857-7505
E-Mail:	
Cc E-Mail:	
Invoice To:	
Invoice E-Mail:	
Purchase Order # (if applicable):	
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s):

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 = 1L, 3 = 250mL

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***: 1 = None, 2 = HNO3

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested: TSS; Total Iron, Manganese

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TSS	Total Iron, Manganese	Sample Comment	Preservation non-conformance identified for sample.
Waste Water Weir	WW	Comp	13 MAY 24	0720	14 MAY 2024	0720	2			X	X	DC	

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By: (Printed Name) Russell Lehman

Signature:

Customer Remarks / Special Conditions / Possible Hazards: DGW

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
(Client) Dear	5/14/24 1055	Rob Elliott	5/14/24 1055	
Rob Elliott	5/14/24 1340		5-14-24 1730	Delivered by: [ ] In-Person [ ] Courier
			5-14-24 1930	[ ] FedEX [ ] UPS [ ] Other
				Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-ALTO Sample Condition Upon Receipt
Effective Date: 12/04/2023

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Utility		WORK ORDER: AYE2461	PAGE: 2 OF 2
DATE: 5/15/24	TIME: 6:00		
INITIALS: DF			
RECEIVED TEMP (C°): 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG16			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ? (Y) N	
7-DIGIT PWS ID? Y N		GRAB/COMPOSITE NOTED? (Y) N	
PWS SAMPLE ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		RECEIVED SIGNATURE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
IS SAMPLE REPORTABLE? Y N		#PRESERVATION TYPE(S)? (Y) N	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	

HEADSPACE? Y N (NA)	FIELD FILTERED? Y N (NA)	TRIP BLANKS? Y N (NA)
Volatiles, Odor, Ignitability, Sulfide	Dissolved Analyses, Hex Cr, Ortho-Phos	Required for 524.2 Volatiles, EDB/DBCP

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE: 5/15/24 TIME: 5:52	INITIALS: DF
PRESERVATION ADDED _____ mL Added	DATE	TIME / INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE / TIME
		4C220609	INITIALS: DF	DATE: 5/15/24 TIME: 6:29

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD: PHONE / EMAIL / OTHER	

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Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
05/29/24 17:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYE4111-01	Water	Composite	05/21/24 07:00	05/21/24 19:10

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 05/21/24 07:00

Laboratory Sample ID: **AYE4111-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	05/22/24 09:15	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	05/28/24 16:10	EPA 200.7/4.4	seg	
Manganese	<0.0200		0.0200	mg/l	05/28/24 16:10	EPA 200.7/4.4	seg	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

AYE4111

Company Name:	Ulster Municipal Authority
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850
Customer Project #:	
Project Name:	Filter Plant
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Frank Walker
Phone #:	607-857-7505
E-Mail:	
Cc E-Mail:	
Invoice To:	
Invoice E-Mail:	
Purchase Order # (if applicable):	
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s):

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 = 1L, 3 = 250mL

Identify Container Preservative Type***: 1 = None, 2 = HNO3

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Analysis Requested: TSS	Analysis Requested: Total Iron, Manganese	Sample Comment
Waste Water Weir	WW	Comp	20MAY24	0700	21MAY24	0700	2			X	X	DC

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By:
(Printed Name)
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	T914				

Relinquished by/Company: (Signature)	Date/Time: 21 MAY 2024	Received by/Company: (Signature)	Date/Time: 5/21/24 1050	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time: 5/21/24 1315	Received by/Company: (Signature)	Date/Time: 5-21-24 1700	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 5-21-24 1910	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Weston		WORK ORDER: AYE4111	PAGE: 2 OF 2
DATE: 5/22/24	TIME: 7:30		
INITIALS: DF		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? Y	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED TEMP (C°): 0		N	
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG16			
AM TEMP <6°C (Y) N NA			
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
		COMPLETE DATES/TIMES ? (Y) N	
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED? (Y) N	
7-DIGIT PWS ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
PWS SAMPLE ID? Y N		RECEIVED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#PRESERVATION TYPE(S)? (Y) N	
IS SAMPLE REPORTABLE? Y N		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC			

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	

HEADSPACE? Y N (NA)	FIELD FILTERED? Y N (NA)	TRIP BLANKS? Y N (NA)
Volatilies, Odor, Ignitability, Sulfide	*Dissolved Analyses, Hex Cr, Ortho-Phos*	*Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE: 5/22/24 TIME: 7:15	INITIALS: DF
PRESERVATION ADDED	_____ mL Added DATE:	TIME: INITIALS:

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE: 5/22/24
		4C22709	INITIALS: DF	TIME: 7:54

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
40 Hoover Avenue
DuBois, PA 15801
(814) 371-6030

EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
1920 East 38th Street
Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
1851 Golden Mile Road
Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
06/07/24 10:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYE5109-01	Water	Composite	05/28/24 07:30	05/28/24 19:00

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 05/28/24 07:30

Laboratory Sample ID: **AYE5109-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	05/29/24 09:25	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	06/03/24 13:04	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	06/03/24 13:04	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant
Project Number: [none]

Reported:
06/07/24 10:25

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

06/07/24 10:25

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

06/07/24 10:25

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

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HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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Cooler W675

AYE5109

Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	**Ulster Municipal Authority**	Contact/Report To:	Frank Walker
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850	Phone #:	607-857-7505
		E-Mail:	
		Cc E-Mail:	
Customer Project #:			
Project Name:	**Filter Plant**	Invoice To:	
		Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TSS	Total Iron, Manganese	Sample Comment
Waste Water Weir	WW	Comp	27 MAY 2024	0730	28 MAY 2024	0730	2			X	X	D.C

Specify Container Size **: 1 3
Identify Container Preservative Type***: 1 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr:
AcctNum / Client ID:
Table #:
Profile / Template:
Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By:
(Printed Name) Russell Lehman
Signature:

Customer Remarks / Special Conditions / Possible Hazards:
12916

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Client	5/28/24 0847	Bob Chamberlain (181)	5/28/24 0847
Bob Chamberlain (181)	5/28/24 1235		5-28-24 1700
			5-28-24 1900

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: of

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SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Ulster		WORK ORDER: AYE5109	PAGE 2 OF 2
DATE: 5/29/24	TIME: 7:12		
INITIALS: DF			
RECEIVED TEMP (C°): 0		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG116			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
IF PWS, DOES COC CONTAIN:		COMPLETE DATES/TIMES ? (Y) N	
7-DIGIT PWS ID? Y N		GRAB/COMPOSITE NOTED? (Y) N	
PWS SAMPLE ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		RECEIVED SIGNATURE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
IS SAMPLE REPORTABLE? Y N		#PRESERVATION TYPE(S)? (Y) N	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC		# If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	
HEADSPACE? Y N (NA) *Volatiles, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE 5/29/24 TIME 6:45	INITIALS DF
PRESERVATION ADDED ____ mL Added	DATE	TIME / INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE / TIME
		4C22069	INITIALS DF	DATE 5/29/24 TIME 8:05

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
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DuBois, PA 15801
(814) 371-6030

EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
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Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
1851 Golden Mile Road
Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
06/12/24 16:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYF0566-01	Water	Composite	06/04/24 07:15	06/04/24 19:30

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 06/04/24 07:15

Laboratory Sample ID: **AYF0566-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	1.60		1.60	mg/l	06/05/24 11:09	SM 2540D-15	amh	K, F
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	06/07/24 12:24	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	06/07/24 12:24	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
06/12/24 16:31

Notes

F — The Laboratory Control Sample (LCS) analyzed with this preparation batch recovered above the acceptance range for the noted analyte.

K — The RPD result exceeded the quality control limits for the duplicate, Laboratory Control Sample Duplicate (LCSD), or Matrix Spike Duplicate (MSD) sample analyzed with the preparation batch.

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60 Union Lane PO Box 157
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Project: Filter Plant
Project Number: [none]

Reported:
06/12/24 16:31

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

Pace Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

06/12/24 16:31

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

06/12/24 16:31

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

AYF0566

Company Name:	Ulster Municipal Authority
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850
Customer Project #:	
Project Name:	Filter Plant
Site Collection Info/Facility ID (as applicable):	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET	
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	
Contact/Report To:	Frank Walker
Phone #:	607-857-7505
E-Mail:	
Cc E-Mail:	
Invoice To:	
Invoice E-Mail:	
Purchase Order # (if applicable):	
Quote #:	
County / State origin of sample(s):	
Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
Rush (Pre-approval required):	[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other
DW PWSID # or WW Permit # as applicable:	
Date Results Requested:	
Field Filtered (if applicable):	[ ] Yes [ ] No
Analysis:	

Specify Container Size **: 1 3

Identify Container Preservative Type***: 1 2

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TSS	Total Iron, Manganese	Sample Comment
Waste Water Weir	WW	Comp	4 Jun 24	0715	4 Jun 24	0815	2			X	X	0°C

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By: (Printed Name) Russell Lehman
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
W1079	R9L				

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
(Client) Vcar	6/4/24 0835	Robert E Lutt	6/4/24 0835
Robert E Lutt	6/4/24 1430		

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT: Ulster		WORK ORDER: A4F0566	PAGE: 2 OF 2
DATE: 6/5/24	TIME: 8:32		

INITIALS: DF		WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED TEMP (C°): 0			
RECEIVED ON ICE? (Y) N			
AM TEMP GUN ID: RG16			
AM TEMP <6°C (Y) N NA		WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS? Y N (NA)			
SEALS INTACT? Y N (NA)			

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES? (Y) N		SAMPLE LOCATION/DESCRIPTION/ID? (Y) N	
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR? (Y) N	
		COMPLETE DATES/TIMES ? (Y) N	
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED? (Y) N	
7-DIGIT PWS ID? Y N		RELINQUISHED SIGNATURE? (Y) N	
PWS SAMPLE ID? Y N		RECEIVED SIGNATURE? (Y) N	
CONTACT NAME? Y N ON RECORD		#NUMBER OF CONTAINERS PER SAMPLE? (Y) N	
CONTACT NUMBER? Y N ON RECORD		#PRESERVATION TYPE(S)? (Y) N	
IS SAMPLE REPORTABLE? Y N		* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC			

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT? (Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME) (Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS? (Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED? (Y) N	IF NO, EXPLAIN:	

HEADSPACE? Y N (NA)	FIELD FILTERED? Y N (NA)	TRIP BLANKS? Y N (NA)
Volatilies, Odor, Ignitability, Sulfide	Dissolved Analyses, Hex Cr, Ortho-Phos	Required for 524.2 Volatiles, EDB/DBCP

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE 6/5/24 TIME 7:30 INITIALS DF	
PRESERVATION ADDED _____ mL Added	DATE TIME INITIALS	

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID: 4C220609	SAMPLES LABELED BY INITIALS: DF	DATE: 6/5/24 TIME: 9:52

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD: PHONE / EMAIL / OTHER	

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EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
06/21/24 12:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYF1947-01	Water	Composite	06/11/24 07:30	06/11/24 20:05

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 06/11/24 07:30

Laboratory Sample ID: **AYF1947-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	06/12/24 11:20	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	06/18/24 10:52	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	06/18/24 10:52	EPA 200.7/4.4	rjd	
Zinc	<0.0200		0.0200	mg/l	06/18/24 10:52	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Ulster, PA 18850

Project: Filter Plant
Project Number: [none]

Reported:
06/21/24 12:52

Project Manager: Frank Walker

Definitions:

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\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

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Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

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^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
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W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

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Definitions Continued:

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Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
40 Hoover Avenue
DuBois, PA 15801
(814) 371-6030

EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
1920 East 38th Street
Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
1851 Golden Mile Road
Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

06/21/24 12:52

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ND	Non Detect. The noted analyte was not detected in the sample.

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Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Pace will provide chain-of-custody forms for use.

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WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Pace Analytical Services, LLC

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Cooler W696

AYF1947

Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	Ulster Municipal Authority
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850
Customer Project #:	
Project Name:	Filter Plant
Site Collection Info/Facility ID (as applicable):	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET	
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	

Contact/Report To:	Frank Walker
Phone #:	607-857-7505
E-Mail:	
Cc E-Mail:	
Invoice To:	
Invoice E-Mail:	
Purchase Order # (if applicable):	
Quote #:	W696
County / State origin of sample(s):	
Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
Rush (Pre-approval required):	[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____
DW PWSID # or WW Permit # as applicable:	
Date Results Requested:	
Field Filtered (if applicable):	[ ] Yes [ ] No
Analysis:	

Specify Container Size **: 1 2 3

Identify Container Preservative Type***: 1 2

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TSS	Total Iron, Manganese, Zn	Sample Comment
Waste Water Weir	WW	Comp	6/10/24	0700	6/11/24	0730	2			1	1	VC

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By:
(Printed Name): (Client) Ivar
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Cooler #	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
W696					

	Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
1	(Client) Ivar	6/11/24 0755		6/11/24 0755
2		6/11/24 1355		6/11/24 1805
3				6/11/24 2005
4				

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Wood	WORK ORDER	AYF1947
DATE	6/12/24	TIME 8:41	PAGE 2 OF 2
INITIALS	DF		
RECEIVED TEMP (C°)	0		
RECEIVED ON ICE?	(Y) N		
AM TEMP GUN ID	RG116		
AM TEMP <6°C	(Y) N NA		
CUSTODY SEALS?	Y N (NA)		
SEALS INTACT?	Y N (NA)		

WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME? (Y) N — IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	(Y) N	SAMPLE LOCATION/DESCRIPTION/ID?	(Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	(Y) N
		COMPLETE DATES/TIMES ?	(Y) N
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED?	(Y) N
7-DIGIT PWS ID?	Y N	RELINQUISHED SIGNATURE?	(Y) N
PWS SAMPLE ID?	Y N	RECEIVED SIGNATURE?	(Y) N
CONTACT NAME?	Y N ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE?	(Y) N
CONTACT NUMBER?	Y N ON RECORD	#PRESERVATION TYPE(S)?	(Y) N
IS SAMPLE REPORTABLE?	Y N		

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT?	(Y) N	IF NO, EXPLAIN:
SAMPLE LABELS MATCH COC? (ID, DATE, TIME)	(Y) N	IF NO, EXPLAIN:
CORRECT CONTAINERS?	(Y) N	IF NO, EXPLAIN:
ADEQUATE VOLUME OF SAMPLE PROVIDED?	(Y) N	IF NO, EXPLAIN:

HEADSPACE? Y N (NA)	FIELD FILTERED? Y N (NA)	TRIP BLANKS? Y N (NA)
Volatiles, Odor, Ignitability, Sulfide	*Dissolved Analyses, Hex Cr, Ortho-Phos*	*Required for 524.2 Volatiles, EDB/DBCP*

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? (Y) N NA — IF NO, EXPLAIN:

PRESERVATION CHECKED — DATE 6/12/24 TIME 6:45 INITIALS DF

PRESERVATION ADDED — _____ mL Added — DATE — TIME — INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE / TIME
		4E310660	INITIALS DF	DATE 6/12/24 TIME 8:59

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
07/01/24 12:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYF3639-01	Water	Composite	06/18/24 07:20	06/18/24 20:00

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 06/18/24 07:20

Laboratory Sample ID: **AYF3639-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<1.60		1.60	mg/l	06/19/24 10:28	SM 2540D-15	amh	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	06/25/24 13:20	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	06/25/24 13:20	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

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Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

07/01/24 12:59

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
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Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

AYF3639

Company Name:	Ulster Municipal Authority	Contact/Report To:	Frank Walker
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850	Phone #:	607-857-7505
		E-Mail:	
		Cc E-Mail:	
Customer Project #:			
Project Name:	Filter Plant	Invoice To:	
		Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	Active
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 = 1L, 3 = 250mL
Identify Container Preservative Type***: 1 = None, 2 = HNO3

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TSS	Total Iron, Manganese	Sample Comment
Waste Water Weir	WW	Comp	6/17/24	0730	6/18/24	0730	2			1	1	DC

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr:
AcctNum / Client ID:
Table #:
Profile / Template:
Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By:
(Printed Name): (Client) Vear
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
W703					

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
(Client)	6/18/24 0840	Robt Elliott	6/18/24 0840
Robt Elliott	6/18/24 1330		6/18/24 1730
			6/18/24 2000

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Weston	WORK ORDER	24F36036
DATE	6/19/24	TIME	8:30
PAGE	2 OF 2		
INITIALS	DF		
RECEIVED TEMP (C°)	0	WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME?	Y
RECEIVED ON ICE?	(Y) N	IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED	
AM TEMP GUN ID	RG-116		
AM TEMP <6°C	(Y) N NA	WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C ~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~	
CUSTODY SEALS?	Y N (NA)		
SEALS INTACT?	Y N (NA)		

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	(Y) N	SAMPLE LOCATION/DESCRIPTION/ID?	(Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	(Y) N
		COMPLETE DATES/TIMES ?	(Y) N
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED?	(Y) N
7-DIGIT PWS ID?	Y N	RELINQUISHED SIGNATURE?	(Y) N
PWS SAMPLE ID?	Y N	RECEIVED SIGNATURE?	(Y) N
CONTACT NAME?	Y N ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE?	(Y) N
CONTACT NUMBER?	Y N ON RECORD	#PRESERVATION TYPE(S)?	(Y) N
IS SAMPLE REPORTABLE?	Y N	* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record	
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC			

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT?	(Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME)	(Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS?	(Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED?	(Y) N	IF NO, EXPLAIN:	

HEADSPACE? Y N (NA)	FIELD FILTERED? Y N (NA)	TRIP BLANKS? Y N (NA)
Volatiles, Odor, Ignitability, Sulfide	Dissolved Analyses, Hex Cr, Ortho-Phos	Required for 524.2 Volatiles, EDB/DBCP

ALL CONTAINER PRESERVATION MEETS REQUIREMENTS?	(Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE 6/19/24	TIME 8:15	INITIALS DF
PRESERVATION ADDED	_____ mL Added	DATE	TIME / INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID 4E310606	SAMPLES LABELED BY / INITIALS DF	DATE 6/19/24 / TIME 8:33

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

Pace Altoona
2019 Ninth Avenue
Altoona, PA 16602
(814) 946-4306

EPA Lab ID: PA01737

NELAP
PA 07-00062
VA 460212

State Certifications:
MD 275
WV WW/SCM 364
WV DW 9963 CM

Pace DuBois
40 Hoover Avenue
DuBois, PA 15801
(814) 371-6030

EPA Lab ID: PA01735

PA DEP Chapter 252
PA 33-00258

Pace Erie
1920 East 38th Street
Erie, PA 16510
(814) 315-4343

EPA Lab ID: PA01736

NELAP
PA 25-05907
NY 12175

Pace Wysox
1851 Golden Mile Road
Wysox, PA 18854
(570) 265-5040

EPA Lab ID: PA01733

NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Project Manager: Frank Walker

Reported:
07/03/24 18:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
Waste Water Weir	AYF5145-01	Water	Composite	06/25/24 07:15	06/25/24 19:20

Client Sample ID: **Waste Water Weir**

Date/Time Sampled: 06/25/24 07:15

Laboratory Sample ID: **AYF5145-01 (Water/Composite)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
Total Suspended Solids	<0.800		0.800	mg/l	06/26/24 09:05	SM 2540D-15	ark	
Metals by Prep Method EPA 200.2								
Iron	<0.200		0.200	mg/l	06/28/24 12:17	EPA 200.7/4.4	rjd	
Manganese	<0.0200		0.0200	mg/l	06/28/24 12:17	EPA 200.7/4.4	rjd	

Pace Analytical Services, LLC

Reviewed and Submitted by:

Walter Burham

Project Manager

Pace Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant
Project Number: [none]

Reported:
07/03/24 18:32

Project Manager: Frank Walker

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

\+ MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Pace Labs' personnel are done so in accordance with Standard Operating Procedures established by Pace Labs.

\# The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.

^ The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.

* **Analysis location indicator:**
D: Indicates analysis performed by Pace Analytical Laboratories, LLC, 40 Hoover Ave., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258.
E: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1920 East 38th Street, Erie, PA 16510. NELAP certification: PA 25-05907.
W: Indicates analysis performed by Pace Analytical Laboratories, LLC, 1851 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622 and NY 12127.

< Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.

Definitions Continued:

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NELAP
PA 08-05622
NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

07/03/24 18:32

RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.
ND	Non Detect. The noted analyte was not detected in the sample.

(-) Method Revision Indicator - West Virginia Samples

CALC- : Indicates analysis by SM2340 B-2011. This method appears on the WV DEP List of Certified Parameters but the PA DEP does not offer accreditation for this method.
EPA 8270D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8270E.
EPA 8260B - : Indicates that samples collected in West Virginia are analyzed by Method SW 8260D.
EPA 8015D - : Indicates that samples collected in West Virginia are analyzed by Method SW 8015C.
EPA 1010 - : Indicates that samples collected in West Virginia are analyzed by Method SW 1010B.
EPA 6010B - : Indicates that samples collected in West Virginia are analyzed by Method SW 6010D.

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NY 12127

Ulster Municipal Authority
60 Union Lane PO Box 157
Ulster, PA 18850

Project: Filter Plant

Project Number: [none]

Reported:

Project Manager: Frank Walker

07/03/24 18:32

Terms & Conditions

Services provided by Pace Analyitcal Services, LLC are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Pace Analytical Services, LLC ("Pace", "us", or "we") will provide, upon client request, chain of custody forms for use.

CONFIDENTIALITY Pace maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Pace's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Pace reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Pace are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Pace shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Pace. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Pace. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Pace routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Pace may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Pace. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Pace for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Pace will maintain samples for four (4) weeks after the sample receipt date. Pace will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Pace reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Pace warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Pace does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Pace Analyitcal Services, LLC shall be invoiced by Pace and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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Pace® Location Requested (City/State):
Pace Wysox
1851 Golden Mile Rd, Wysox PA 18854

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

AYF5145

Company Name:	Ulster Municipal Authority
Street Address:	60 Union Lane, PO Box 157 Ulster, PA 18850
Customer Project #:	
Project Name:	Filter Plant
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Frank Walker
Phone #:	607-857-7505
E-Mail:	
Cc E-Mail:	
Invoice To:	
Invoice E-Mail:	
Purchase Order # (if applicable):	
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s):

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 = 1L, 3 = 250mL

Identify Container Preservative Type***: 1 = None, 2 = HNO3

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Analysis Requested: TSS	Analysis Requested: Total Iron, Manganese	Sample Comment
Waste Water Weir	WW	Comp	24 Jun 2024	0715	25 Jun 2024	0715	2			1	1	0C

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
WEEKLY FILTER PLANT

Collected By: (Printed Name) Russell Lehman
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
W7b	14				

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
(Client) VCar	6/25/24 0915	R Elliott	6/25/24 0915	
Relinquished by/Company: (Signature) Robt Elliott	Date/Time: 6/25/24 1300	Received by/Company: (Signature)	Date/Time: 6-25-24 1720	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 6-25-24 192	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of

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SAMPLE CONDITION UPON RECEIPT (SCUR)

CLIENT	Water	WORK ORDER	AHF5145
DATE	6/26/24 TIME 7:16		PAGE 2 OF 2
INITIALS	DF		
RECEIVED TEMP (C°)	0	WERE TEMPS ACCEPTABLE BASED ON SAMPLE DATE/TIME?	(Y) IF NO, EXPLAIN: CLIENT NOTIFICATION REQUIRED
RECEIVED ON ICE?	(Y) N		
AM TEMP GUN ID	RG16		N
AM TEMP <6°C	(Y) N NA		
CUSTODY SEALS?	Y N (NA)		
SEALS INTACT?	Y N (NA)		

WATER TEMPS SHOULD BE ABOVE FREEZING TO 6.0°C
~FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING~

CHAIN OF CUSTODY (COC)

DID COC ACCOMPANY SAMPLES?	(Y) N	SAMPLE LOCATION/DESCRIPTION/ID?	(Y) N
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!		NAME or INITIALS of SAMPLE COLLECTOR?	(Y) N
		COMPLETE DATES/TIMES ?	(Y) N
IF PWS, DOES COC CONTAIN:		GRAB/COMPOSITE NOTED?	(Y) N
7-DIGIT PWS ID?	Y N	RELINQUISHED SIGNATURE?	(Y) N
PWS SAMPLE ID?	Y N	RECEIVED SIGNATURE?	(Y) N
CONTACT NAME?	Y N ON RECORD	#NUMBER OF CONTAINERS PER SAMPLE?	(Y) N
CONTACT NUMBER?	Y N ON RECORD	#PRESERVATION TYPE(S)?	(Y) N
IS SAMPLE REPORTABLE?	Y N		

7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC

** If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.*

BOTTLEWARE & PRESERVATION

SAMPLE BOTTLES INTACT?	(Y) N	IF NO, EXPLAIN:	
SAMPLE LABELS MATCH COC? (ID, DATE, TIME)	(Y) N	IF NO, EXPLAIN:	
CORRECT CONTAINERS?	(Y) N	IF NO, EXPLAIN:	
ADEQUATE VOLUME OF SAMPLE PROVIDED?	(Y) N	IF NO, EXPLAIN:	
HEADSPACE? Y N (NA) *Volatilities, Odor, Ignitability, Sulfide*	FIELD FILTERED? Y N (NA) *Dissolved Analyses, Hex Cr, Ortho-Phos*	TRIP BLANKS? Y N (NA) *Required for 524.2 Volatiles, EDB/DBCP*	
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS?	(Y) N NA	IF NO, EXPLAIN:	
PRESERVATION CHECKED	DATE 6/26/24 TIME 6:55	INITIALS DF	
PRESERVATION ADDED	____ mL Added DATE	TIME	INITIALS

PRESERVATIVE:	ELEMENT ID:	pH STRIPS ELEMENT ID	SAMPLES LABELED BY	DATE 6/26/24
		4E310606	INITIALS DF	TIME 7:51

CLIENT NOTIFICATION

FILL OUT THE FOLLOWING:

DATE/TIME	REASON FOR CONTACT
PAS-ALTOONA EMPLOYEE	OUTCOME OF DISCUSSION
PERSON CONTACTED	ADDITIONAL NOTES
CIRCLE METHOD PHONE / EMAIL / OTHER	

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
CENTER FOR ENVIRONMENTAL EXCELLENCE

GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION

Before completing this General Information Form (GIF), read the step-by-step instructions provided in this application package. This form is used by the Department of Environmental Protection (DEP) to inform our programs regarding what other DEP permits or authorizations may be needed for the proposed project or activity. This version of the General Information Form (GIF) must be completed and returned with any program-specific application being submitted to the DEP.

Related ID#s (If Known)				DEP USE ONLY
Client ID#	6483	**APS ID#**		Date Received & General Notes
Site ID#	259906	**Auth ID#**	1018325	
Facility ID#	997704			

CLIENT INFORMATION

DEP Client ID#	Client Type/Code	Dun & Bradstreet ID#
6483	AUTHORITY/AUTH	

Legal Organization Name or Registered Fictitious Name	Employer ID# (EIN)	Is the EIN a SSN?
Ulster Municipal Authority	23-1739443	☐ Yes ☒ No

State of Incorporation or Registration of Fictious Name
Pennsylvania

☐ Corporation ☐ LLC ☐ Partnership ☐ LLP ☐ LP
☐ Sole Proprietorship ☐ Association/Organization
☐ Estate/Trust ☐ Other

Individual Last Name	First Name	MI	Suffix

Additional Individual Last Name	First Name	MI	Suffix

Mailing Address Line 1	Mailing Address Line 2
PO Box 157	23954 Route 220

Address Last Line – City	State	ZIP+4	Country
Ulster	PA	18850-0157	

Client Contact Last Name	First Name	MI	Suffix
Walker	Frank		

Client Contact Title	Phone	Ext	Cell Phone
President	(570) 358-3555		

Email Address	FAX
ulsterwaterauthority@cableracer.com	

SITE INFORMATION

DEP Site ID#	Site Name
259906	Ulster Water Treatment Plant

EPA ID# **Estimated Number of Employees to be Present at Site** 0-2

Description of Site
Potable Water Treatment Facility

Tax Parcel ID(s): 5505900043000000

County Name(s)	Municipality(ies)	City	Boro	Twp	State
Bradford	Ulster	☐	☐	☒	PA
		☐	☐	☐	
		☐	☐	☐	

Site Location Line 1	Site Location Line 2
60 Union Ave	23954 Route 220

Site Location Last Line – City	State	ZIP+4
Ulster	PA	18850

Detailed Written Directions to Site

From Route 220 northbound within the Villiage of Ulster, turn right onto Union Ave, Proceed approximately 1,000 feet and the water treatment facility will be on the right immediately before reaching the railroad tracks.

Site Contact Last Name	First Name	MI	Suffix
Walker	Frank		

Site Contact Title	Site Contact Firm
President	Ulster Municipal Authority

Mailing Address Line 1	Mailing Address Line 2
PO Box 157	23954 Route 220

Mailing Address Last Line – City	State	ZIP+4
Ulster	**PA**	**18850**

Phone	Ext	FAX	Email Address
(570) 358-3555			ulsterwaterauthority@cableracer.com

NAICS Codes (Two- & Three-Digit Codes – List All That Apply)	**6-Digit Code** (Optional)
221	221310

Client to Site Relationship

OWN/OP

FACILITY INFORMATION

Modification of Existing Facility	**Yes**	**No**
1. Will this project modify an existing facility, system, or activity?	☐	☒
2. Will this project involve an addition to an existing facility, system, or activity?	☐	☒

If "Yes", check all relevant facility types and provide DEP facility identification numbers below.

	Facility Type	DEP Fac ID#		Facility Type	DEP Fac ID#
☐	Air Emission Plant		☐	Industrial Minerals Mining Operation	
☐	Beneficial Use (water)		☐	Laboratory Location	
☐	Blasting Operation		☐	Land Recycling Cleanup Location	
☐	Captive Hazardous Waste Operation		☐	Mine Drainage Treatment / Land Recycling Project Location	
☐	Coal Ash Beneficial Use Operation		☐	Municipal Waste Operation	
☐	Coal Mining Operation		☐	Oil & Gas Encroachment Location	
☐	Coal Pillar Location		☐	Oil & Gas Location	
☐	Commercial Hazardous Waste Operation		☐	Oil & Gas Water Poll Control Facility	
☐	Dam Location		☒	Public Water Supply System	275373
☐	Deep Mine Safety Operation -Anthracite		☐	Radiation Facility	
☐	Deep Mine Safety Operation -Bituminous		☐	Residual Waste Operation	
☐	Deep Mine Safety Operation -Ind Minerals		☐	Storage Tank Location	
☐	Encroachment Location (water, wetland)		☒	Water Pollution Control Facility	997704
☐	Erosion & Sediment Control Facility		☐	Water Resource	
☐	Explosive Storage Location		☐	Other:	

Latitude/Longitude Point of Origin	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Center of Facility	41	50	81	76	30	4

Horizontal Accuracy Measure	Feet	±10	*--or--*	Meters	
Horizontal Reference Datum Code	☐	North American Datum of 1927			
	☒	North American Datum of 1983			
	☐	World Geodetic System of 1984			
Horizontal Collection Method Code	TIGER				
Reference Point Code	CNTER				
Altitude	Feet	740	*--or--*	Meters	
Altitude Datum Name	☒	The National Geodetic Vertical Datum of 1929			
	☐	The North American Vertical Datum of 1988 (NAVD88)			
Altitude (Vertical) Location Datum Collection Method Code	TOPO				
Geometric Type Code	POINT				
Data Collection Date	7/18/2024				
Source Map Scale Number	1	Inch(es)	=	2,000	Feet
--or--		Centimeter(s)	=		Meters

PROJECT INFORMATION

Project Name

Ulster Municipal Authority - IW NPDES Renewal

Project Description

Routine 5-year permit cycle renewal of the individual NPDES Permit for industrial wastewater generated as part of the potable water supply treatment process.

Project Consultant Last Name	First Name	MI	Suffix
Long	Travis	J	

Project Consultant Title	Consulting Firm
Certified Operator & Vice President/Director of Environmental Services	JHA Companies

Mailing Address Line 1	Mailing Address Line 2
466 South Main Street	

Address Last Line – City	State	ZIP+4
Montrose	PA	18801

Phone	Ext	FAX	Email Address
570-396-3629			tlong@jhacompanies.com

Time Schedules	Project Milestone (Optional)

1. Is the project located in or within a 0.5-**mile radius of an Environmental Justice community as defined by DEP?** ☐ Yes ☒ No

   To determine if the project is located in or within a 0.5-mile radius of an environmental justice community, please use the online PennEnviroScreen tool. To see specific EJ areas, select the appropriate year of your submittal from the themes box on the right.

2. Have you informed the surrounding community prior to submitting the application to the Department? ☒ Yes ☐ No

   Method of notification: Act-14 Notifications

3. **Have you addressed community concerns that were identified?** ☐ Yes ☐ No ☒ N/A

   If no, please briefly describe the community concerns that have been expressed and not addressed.

4. **Is your project funded by state or federal grants?** ☐ Yes ☒ No

   Note: If "Yes", specify what aspect of the project is related to the grant and provide the grant source, contact person and grant expiration date.

   Aspect of Project Related to Grant

   Grant Source: _____

   Grant Contact Person: _____

   Grant Expiration Date: _____

5. **Is this application for an authorization on Appendix A of the Land Use Policy? (For referenced list, see Appendix A of the Land Use Policy attached to GIF instructions)** ☐ Yes ☒ No

   Note: If "No" to Question 5, the application is not subject to the Land Use Policy.

   If "Yes" to Question 5, the application is subject to this policy and the Applicant should answer the additional questions in the **Land Use Information** section.

LAND USE INFORMATION

Note: Applicants should submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.

1. **Is there an adopted county or multi-county comprehensive plan?** ☒ Yes ☐ No
2. **Is there a county stormwater management plan?** ☒ Yes ☐ No
3. **Is there an adopted municipal or multi-municipal comprehensive plan?** ☒ Yes ☐ No
4. **Is there an adopted county-wide zoning ordinance, municipal zoning ordinance or joint municipal zoning ordinance?** ☒ Yes ☐ No

   Note: If the Applicant answers "No" to either Questions 1, 3 or 4, the provisions of the PA MPC are not applicable and the Applicant does not need to respond to questions 5 and 6 below.

   If the Applicant answers "Yes" to questions 1, 3 and 4, the Applicant should respond to questions 5 and 6 below.

5. **Does the proposed project meet the provisions of the zoning ordinance or does the proposed project have zoning approval?** If zoning approval has been received, attach documentation. ☒ Yes ☐ No
6. **Have you attached Municipal and County Land Use Letters for the project?** ☐ Yes ☒ No

COORDINATION INFORMATION

Note: The PA Historical and Museum Commission must be notified of proposed projects in accordance with DEP Technical Guidance Document 012-0700-001 at PHMC's online portal, PA-SHARE.

If the activity will be a mining project (i.e., mining of coal or industrial minerals, coal refuse disposal and/or the operation of a coal or industrial minerals preparation/processing facility), respond to questions 1.0 through 2.5 below.

If the activity will not be a mining project, skip questions 1.0 through 2.5 and begin with question 3.0.

1.0	**Is this a coal mining project?** If "Yes", respond to 1.1-1.6. If "No", skip to Question 2.0.	☐	Yes	☒	No
1.1	**Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be equal to or greater than 200 tons/day?**	☐	Yes	☐	No
1.2	**Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be greater than 50,000 tons/year?**	☐	Yes	☐	No
1.3	**Will this coal mining project involve coal preparation/ processing activities in which thermal coal dryers or pneumatic coal cleaners will be used?**	☐	Yes	☐	No
1.4	**For this coal mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?**	☐	Yes	☐	No
1.5	**Will this coal mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?**	☐	Yes	☐	No
1.6	**Will this coal mining project involve underground coal mining to be conducted within 500 feet of an oil or gas well?**	☐	Yes	☐	No
2.0	**Is this a non-coal (industrial minerals) mining project?** If "Yes", respond to 2.1-2.6. If "No", skip to Question 3.0.	☐	Yes	☒	No
2.1	**Will this non-coal (industrial minerals) mining project involve the crushing and screening of non-coal minerals other than sand and gravel?**	☐	Yes	☐	No
2.2	**Will this non-coal (industrial minerals) mining project involve the crushing and/or screening of sand and gravel with the exception of wet sand and gravel operations (screening only) and dry sand and gravel operations with a capacity of less than 150 tons/hour of unconsolidated materials?**	☐	Yes	☐	No
2.3	**Will this non-coal (industrial minerals) mining project involve the construction, operation and/or modification of a portable non-metallic (i.e., non-coal) minerals processing plant under the authority of the General Permit for Portable Non-metallic Mineral Processing Plants (i.e., BAQ-PGPA/GP-3)?**	☐	Yes	☐	No
2.4	**For this non-coal (industrial minerals) mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?**	☐	Yes	☐	No

2.5	**Will this non-coal (industrial minerals) mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?**	☐ Yes	☐ No
3.0	**Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well?** If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	☐ Yes	☒ No
3.1	**Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?**	☐ Yes	☐ No
3.2	**Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system?** If "Yes", discuss in *Project Description*.	☐ Yes	☐ No
3.3	**Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?**	☐ Yes	☐ No
4.0	**Will the project involve a construction activity that results in earth disturbance?** If "Yes", specify the total disturbed acreage.	☐ Yes	☒ No
	4.0.1 Total Disturbed Acreage n/a		
	4.0.2 Will the project discharge or drain to a special protection water (EV or HQ) or an EV wetland?	☐ Yes	☐ No
	4.0.3 Will the project involve a construction activity that results in earth disturbance in the area of the earth disturbance that are contaminated at levels exceeding residential or non-residential medium-specific concentrations (MSCs) in 25 Pa. Code Chapter 250 at residential or non-residential construction sites, respectively?	☐ Yes	☐ No
5.0	**Does the project involve any of the following: water obstruction and/or encroachment, wetland impacts, or floodplain project by the Commonwealth/political subdivision or public utility?** If "Yes", respond to 5.1-5.7. If "No", skip to Question 6.0.	☐ Yes	☒ No
5.1	**Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?**	☐ Yes	☐ No
5.2	**Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?**	☐ Yes	☐ No

5.3	**Floodplain Projects by the Commonwealth, a Political Subdivision of the Commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?**	☐ Yes	☐ No
5.4	**Is your project an interstate transmission natural gas pipeline?**	☐ Yes	☐ No
5.5	**Does your project consist of linear construction activities which result in earth disturbance in two or more DEP regions AND three or more counties?**	☐ Yes	☐ No
5.6	**Does your project utilize Floodplain Restoration as a best management practice for Post Construction Stormwater Management?**	☐ Yes	☐ No
5.7	**Does your project utilize Class V Gravity / Injection Wells as a best management practice for Post Construction Stormwater Management?**	☐ Yes	☐ No
6.0	**Will the project involve discharge of construction related stormwater to a dry swale, surface water, ground water or separate storm water system?**	☒ Yes	☐ No
6.1	**Will the project involve discharge of industrial waste stormwater or wastewater from an industrial activity or sewage to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?**	☐ Yes	☐ No
7.0	**Will the project involve the construction and operation of industrial waste treatment facilities?**	☒ Yes	☐ No
8.0	**Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations?** If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the *Project Description*, where applicable. **8.0.1 Estimated Proposed Flow (gal/day)** N/A	☐ Yes	☒ No
9.0	**Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system?**	☐ Yes	☒ No
	9.0.1 Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	☐ Yes	☐ No
10.0	**Is this project for the beneficial use of biosolids for land application within Pennsylvania?** If "Yes" indicate how much (i.e. gallons or dry tons per year). **10.0.1 Gallons Per Year (residential septage)** N/A **10.0.2 Dry Tons Per Year (biosolids)** N/A	☐ Yes	☒ No

11.0	**Does the project involve construction, modification or removal of a dam?** If "Yes", identify the dam.	☐ Yes	☒ No
	11.0.1 Dam Name N/A		
12.0	**Will the project interfere with the flow from, or otherwise impact, a dam?** If "Yes", identify the dam.	☐ Yes	☒ No
	12.0.1 Dam Name N/A		
13.0	**Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)?**	☐ Yes	☒ No
	13.0.1 If "Yes", is the operation subject to the agricultural exemption in 35 P.S. § 4004.1?	☐ Yes	☐ No
	13.0.2 If the answer to 13.0.1 is "No", identify each type of emission followed by the estimated amount of that emission.		
	Enter all types & amounts of emissions; separate each set with semicolons. N/A		
14.0	**Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year?** If "Yes," check all proposed sub-facilities.	☐ Yes	☒ No
	14.0.1 Number of Persons Served		
	14.0.2 Number of Employee/Guests		
	14.0.3 Number of Connections		
	14.0.4 Sub-Fac: Distribution System	☐ Yes	☐ No
	14.0.5 Sub-Fac: Water Treatment Plant	☐ Yes	☐ No
	14.0.6 Sub-Fac: Source	☐ Yes	☐ No
	14.0.7 Sub-Fac: Pump Station	☐ Yes	☐ No
	14.0.8 Sub-Fac: Transmission Main	☐ Yes	☐ No
	14.0.9 Sub-Fac: Storage Facility	☐ Yes	☐ No
15.0	**Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?**	☐ Yes	☒ No
16.0	**Is your project to be served by an existing public water supply?** If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project.	☒ Yes	☐ No
	16.0.1 Supplier's Name Ulster Municipal Authority		
	16.0.2 Letter of Approval from Supplier is Attached	☐ Yes	☒ No
17.0	**Will this project be served by on-lot drinking water wells?**	☐ Yes	☒ No
18.0	**Will this project involve a new or increased drinking water withdrawal from a river, stream, spring, lake, well or other water bod(ies)?** If "Yes," reference Safe Drinking Water Program.	☐ Yes	☒ No
	18.0.1 Source Name N/A		

19.0	**Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste?** If "Yes," indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.	☒ Yes	☐ No
	19.0.1 Type & Amount	Potable Water Filter Backwash water and instrument drains, <10,000 gpd classified as industrial wastewater	
20.0	**Will your project involve the removal of coal, minerals, contaminated media, or solid waste as part of any earth disturbance activities?**	☐ Yes	☒ No
21.0	**Does your project involve installation of a field constructed underground storage tank?** If "Yes," list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit.	☐ Yes	☒ No
	21.0.1 Enter all substances & capacity of each; separate each set with semicolons.	N/A	
22.0	**Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility?** If "Yes," list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit.	☐ Yes	☒ No
	22.0.1 Enter all substances & capacity of each; separate each set with semicolons.	N/A	
23.0	**Does your project involve installation of a tank greater than 1,100 gallons which will contain a highly hazardous substance as defined in DEP's Regulated Substances List, 2570-BK-DEP2724?** If "Yes," list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit.	☐ Yes	☒ No
	23.0.1 Enter all substances & capacity of each; separate each set with semicolons.	N/A	
24.0	**Does your project involve installation of a storage tank at a new facility with a total AST capacity greater than 21,000 gallons?** If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit.	☐ Yes	☒ No
	24.0.1 Enter all substances & capacity of each; separate each set with semicolons.	N/A	
	NOTE: If the project includes the installation of a regulated storage tank system, including diesel emergency generator systems, the project may require the use of a Department Certified Tank Handler. For a full list of regulated storage tanks and substances, please go to www.dep.pa.gov search term storage tanks		
25.0	**Will the intended activity involve the use of a radiation source?**	☐ Yes	☒ No

CERTIFICATION

I certify that I have the authority to submit this application on behalf of the applicant named herein and that the information provided in this application is true and correct to the best of my knowledge and information.

For applicants supplying an EIN number: I am applying for a permit or authorization from the Pennsylvania Department of Environmental Protection (DEP). As part of this application, I will provide DEP with an accurate EIN number for the applicant entity. By filing this application with DEP, I hereby authorize DEP to confirm the accuracy of the EIN number provided with the Pennsylvania Department of Revenue. As applicant, I further consent to the Department of Revenue discussing the same with DEP prior to issuance of the Commonwealth permit or authorization.

Type or Print Name Jessica L. Zajac

Signature	Title	Date
	Environmental Scientist	7/18/2024

SECTION 5

MUNICIPAL NOTIFICATIONS

UNITED STATES POSTAL SERVICE.

SCRANTON
2800 STAFFORD AVE
SCRANTON, PA 18505-9998
(800)275-8777

07/29/2024 10:04 AM

Product	Qty	Unit Price	Price
First-Class Mail® Large Envelope	1		$2.04
Ulster, PA 18850			
Weight: 0 lb 2.80 oz			
Estimated Delivery Date			
Wed 07/31/2024			
Certified Mail®			$4.85
Tracking #:			
9589 0710 5270 1610 6059 89			
e-Return Receipt			$2.62
Total			$9.51
First-Class Mail® Large Envelope	1		$2.04
Towanda, PA 18848			
Weight: 0 lb 2.80 oz			
Estimated Delivery Date			
Wed 07/31/2024			
Certified Mail®			$4.85
Tracking #:			
9589 0710 5270 1610 6059 96			
e-Return Receipt			$2.62
Total			$9.51

Grand Total: $19.02

Credit Card Remit $19.02
Card Name: VISA
Account #: XXXXXXXXXXXX1224
Approval #: 08622G
Transaction #: 594
AID: A0000000031010 Contactless
AL: VISA CREDIT

Use Tracking # for inquiry on Return Receipt (Electronic).

Text your tracking number to 28777 (2USPS) to get the latest status. Standard Message and Data rates may apply. You may also visit www.usps.com USPS Tracking or call 1-800-222-1811.

In a hurry? Self-service kiosks offer quick and easy check-out. Any Retail Associate can show you how.

For Return Receipt (by email), visit USPS.com, click on Track & Manage and enter Tracking number; click on drop-down arrow under Return Receipt Electronic; enter name and email address and click on Request Email.

Preview your Mail
Track your Packages
Sign up for FREE @
https://informeddelivery.usps.com

NOW HIRING - JOIN OUR TEAM!
$15.00 to $18.62 per hour
depending on position
APPLY ONLINE at www.usps.com/careers
Use Keyword Search
"Type City of Interest within PA"

July 29, 2024

Bradford County Commissioners
301 Main Street
Towanda, PA 18848

Attn: Bradford County Commissioners **Certified Mail No.: 9589 0710 5270 1610 6059 96**

RE: **Ulster Municipal Authority**
IW-NPDES Renewal
Ulster Township, Bradford County, PA
Act 14, 67, 68 and 128 - Notification

Dear County Commissioners:

The purpose of this notice is to inform your office of our intent on behalf of the client to apply to the Pennsylvania Department of Environmental Protection (DEP) for the following:

1. **Project Name:** Ulster Municipal Authority – Water Treatment Facility IW NPDES Renewal

2. **Project Description:** The Authority is required every five (5) years to renew its discharge permit (PA0233811) in accordance with the Clean Water Act being a facility that discharges into surface waters of the Commonwealth. The potable water treatment facility discharges into Toad Hollow, tributary to the Susquehanna River. The waste stream discharged is filter backwash water, instrument drains, and other process waters generated in the treatment and production of potable water serving the customers of Ulster Township.

3. **Applicant Name:** Ulster Municipal Authority

4. **Applicant Contact:** Frank Walker, President PO Box 157, 60 Union Ave, Ulster, PA 18850; Phone (570) 358-3555; Email: ulsterwaterauthority@cableracer.com

5. **Site Location:** 60 Union Ave, Ulster PA 18850 (Please refer to attached map).

6. **Municipality/County:** Ulster Township, Bradford County

7. **Permit Application Type:** Individual National Pollution Discharge Elimination System Permit (NPDES-IW)

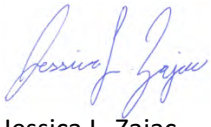
Section 1905-A of the Commonwealth Administrative Code, as amended by Act 14, requires that each applicant for a DEP permit must give written notice to the municipality(ies) and the county(ies) at least 30 days before the Department may issue or deny the permit.

"Act 67, 68, and 127" of 2000, which amended the Municipalities Planning Code (MPC) to support sound land use practices and planning efforts in directing state agencies to consider comprehensive plans and zoning ordinances when reviewing application for permitting of facilities or infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the MPC.

Enclosed is a copy of the General Information Form, facility schematic plan and location map completed by JHA Companies on behalf of the applicant for the abovementioned project. DEP invites you to review the attached application and comment on the accuracy of answers provided with regard to land use aspects of this project; please be specific to DEP and focus on the relationship to applicable zoning ordinances. If you wish to submit comments to DEP to become part of a land use review of this project, you must respond within 30 days to the Northcentral Regional DEP office (570) 327-3636. If there are no land use comments received by the end of the comment period, DEP will assume that there are no substantive land use conflicts and proceed with the normal application review process.

For information about this land use review process, please visit www.dep.state.pa.us.

Respectfully Submitted,
JHA COMPANIES



Jessica L. Zajac
Environmental Scientist

2018-470 UMA/Docs/NPDES Renewals/Act14 Notification_Bradford County-July 2024
Cc: File
Ulster Township
Ulster Municipal Authority

July 29, 2024

Ulster Township Supervisors
23849 Route 220
Ulster, PA 18850

Attn: Supervisors **Certified Mail No.: 9589 0710 5270 1610 6059 89**

RE: **Ulster Municipal Authority**
IW-NPDES Renewal
Ulster Township, Bradford County, PA
Act 14, 67, 68 and 128 - Notification

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4. **Applicant Contact:** Frank Walker, President PO Box 157, 60 Union Ave, Ulster, PA 18850; Phone (570) 358-3555; Email: ulsterwaterauthority@cableracer.com

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7. **Permit Application Type:** Individual National Pollution Discharge Elimination System Permit (NPDES-IW)

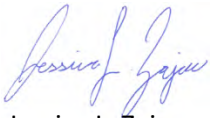
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For information about this land use review process, please visit www.dep.state.pa.us.

Respectfully Submitted,
JHA COMPANIES

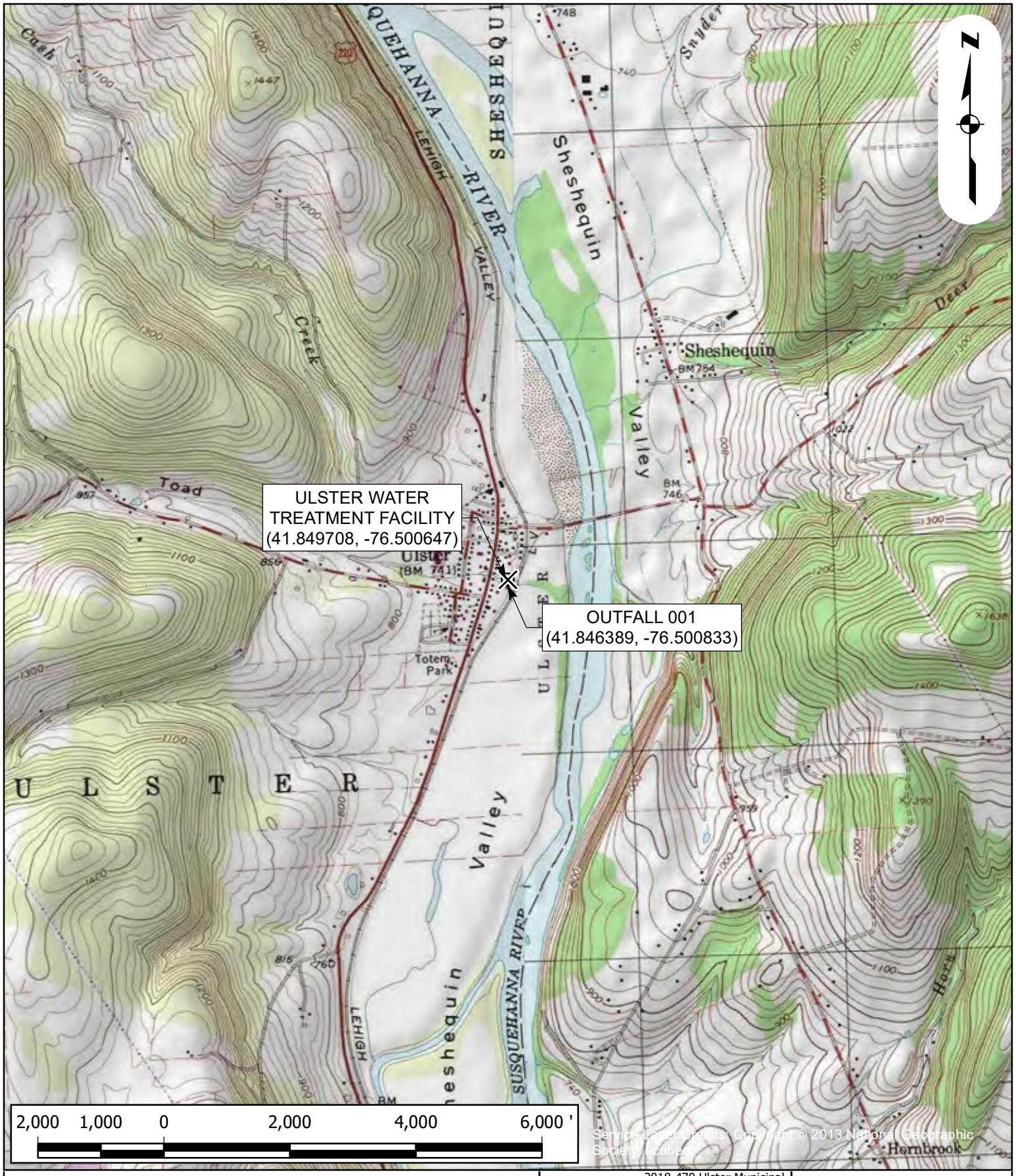


Jessica L. Zajac
Environmental Scientist

2018-470 UMA/Docs/NPDES Renewals/Act14 Notification_Ulster Twp-July 2024
Cc: File
Bradford County Commissioners
Ulster Municipal Authority

SECTION 6

TOPOGRAPHIC MAP& SINGLE LINE DIAGRAM



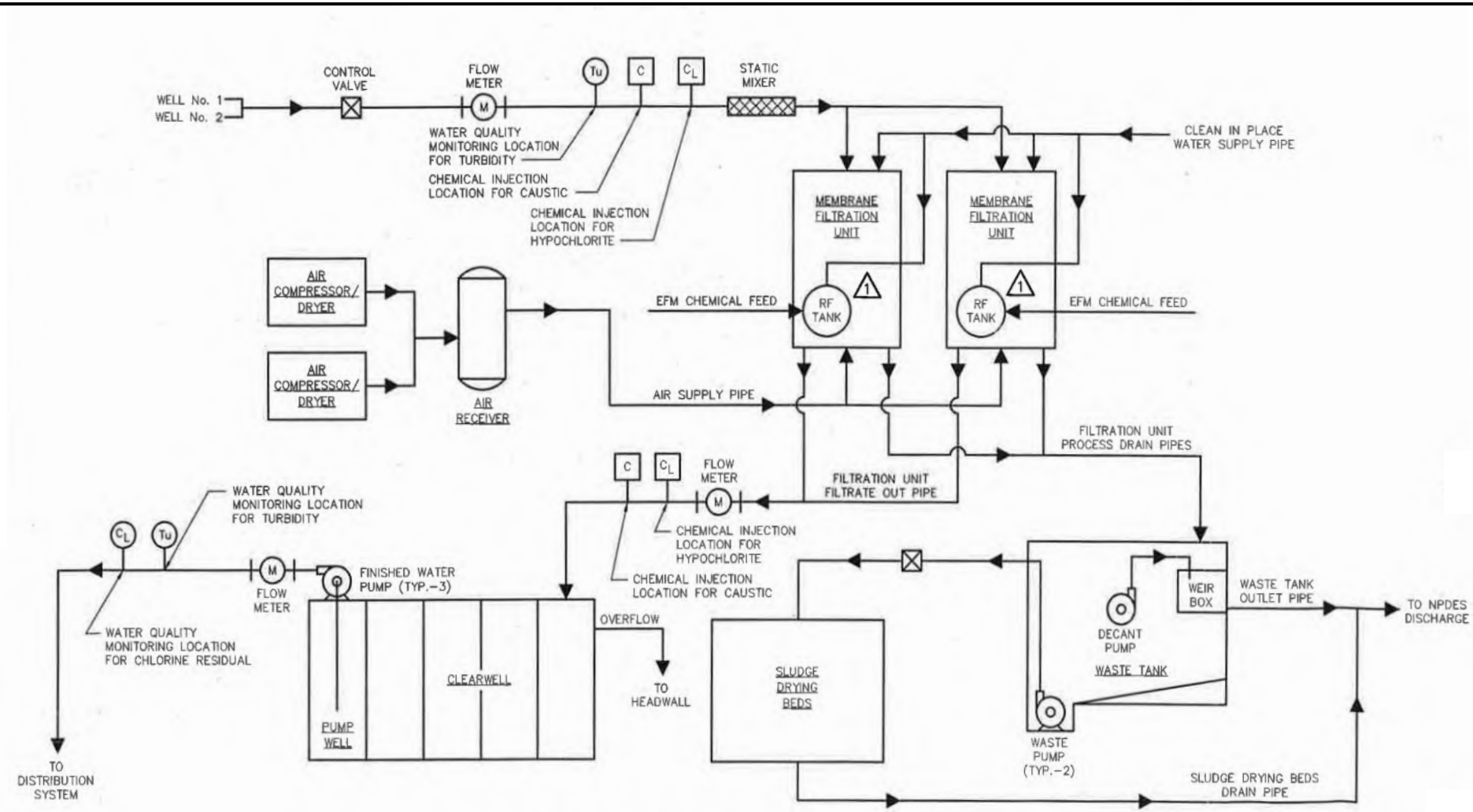
USGS LOCATION MAP

ULSTER MUNICIPAL AUTHORITY
WATER TREATMENT PLANT

ULSTER TOWNSHIP, BRADFORD COUNTY, PA
(ULSTER & TOWANDA, PA QUADS)

PROJECT -	2018-470 Ulster Municipal Authority NPDES-IW Renewal
DATE -	07/23/2024
SCALE -	1 " = 2,000 '
DRAWN -	JZAJAC
FILE -	Ulster NPDES Location Map.mxd

JHA SURVEYING ENGINEERING ENVIRONMENTAL ARCHITECTURE
(844) 542-4757



PROCESS FLOW DIAGRAM

NO SCALE

JHA SURVEYING ENGINEERING ENVIRONMENTAL ARCHITECTURE
844-542-4757
466 SOUTH MAIN STREET
MONTROSE, PA 18801
MD - NY - OH - PA - VA - WV

ULSTER WATER TREATMENT PLANT (PA0233811)

LOCATED IN
ULSTER TOWNSHIP
BRADFORD COUNTY, PENNSYLVANIA

TITLE: 2024 NPDES-IW RENEWAL

PROJECT ID:	PLAN STATUS:	DATE	NO.
2018-470	EXHIBIT	08-01-2024	1

THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF JHA COMPANIES

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

RECEIVED 1/21/20

January 15, 2020

Frank Walker
Ulster Township Municipal Authority
23639 Route 220 PO Box 157
Ulster, PA 18850-7982

Re: Final NPDES Permit- Industrial Waste
Ulster Municipal Authority Water System
NPDES Permit No. PA0233811
Authorization ID No. 1257029
Ulster Township, Bradford County

Dear Mr. Walker:

Your NPDES permit is enclosed. Please read the permit carefully. The permit expires on the date identified on page 1 of the permit. A renewal application must be submitted to this office 180 days prior to the permit expiration date, if a discharge is expected to continue past the expiration date of the permit.

We would like to bring DEP's eNOTICE service to your attention. eNOTICE is a subscription service that provides options to receive notifications of DEP's activities such as the receipt of permit applications, comment periods for guidance and regulations, and stream redesignation evaluations. To sign up for an account, visit DEP's website (www.dep.pa.gov) and select Data and Tools – Tools – eNOTICE.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board's address is:

Environmental Hearing Board
Rachel Carson State Office Building, Second Floor
400 Market Street
P.O. Box 8457
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of

itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at http://ehb.courtapps.com or by contacting the Secretary to the Board at 717-787-3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

IMPORTANT LEGAL RIGHTS ARE AT STAKE. YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD AT 717-787-3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.

If you have any questions, please contact Chad Fabian at 570.321.6576.

Sincerely,

Thomas M. Randis
Environmental Program Manager
Clean Water Program

Enclosures

cc: File
JHA Co.
Central Office, Division of Operations

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

NPDES PERMIT NO: PA0233811

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*,

Ulster Township Municipal Authority
23639 Route 220 PO Box 157
Ulster, PA 18850-7982

is authorized to discharge from a facility known as **Ulster Municipal Authority Water System**, located in **Ulster Township, Bradford County**, to **Unnamed Tributary to Susquehanna River (WWF)** in Watershed(s) **4-B** in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B and C hereof.

THIS PERMIT SHALL BECOME EFFECTIVE ON FEBRUARY 1, 2020

THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON JANUARY 31, 2025

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.

2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. (40 CFR 122.41(a))

3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form. (40 CFR 122.41(b), 122.21(d)(2))

   In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application. (25 Pa. Code §§ 92a.7 (b), (c))

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED JANUARY 15, 2020 **ISSUED BY**

Thomas M. Randis
Environmental Program Manager
Northcentral Regional Office

Permit No. PA0233811

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. A. **For Outfall** 001 , **Latitude** 41° 50' 48.00" , **Longitude** 76° 30' 5.00" , **River Mile Index** 0.26 , **Stream Code** 30816

Receiving Waters: Unnamed Tributary to Susquehanna River (WWF)

Type of Effluent: Water Treatment Effluent

1. The permittee is authorized to discharge during the period from **Permit Effective Date** through **Permit Expiration Date**.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

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	1/day	Weir
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.26	XXX	0.84	1/day	Grab
Total Suspended Solids	Report	Report	XXX	30	60	75	1/week	24-Hr Composite
Iron, Total	Report	Report	XXX	1.5	3.0	3.75	1/week	24-Hr Composite
Manganese, Total	Report	Report	XXX	1.0	2.0	2.5	1/week	24-Hr Composite
Zinc, Total	XXX	XXX	XXX	Report Daily Max	XXX	XXX	1/quarter	24-Hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 001

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS (Continued)

Additional Requirements

The permittee may not discharge:

1. Floating solids, scum, sheen or substances that result in observed deposits in the receiving water. (25 Pa Code § 92a.41(c))

2. Oil and grease in amounts that cause a film or sheen upon or discoloration of the waters of this Commonwealth or adjoining shoreline, or that exceed 15 mg/l as a daily average or 30 mg/l at any time (or lesser amounts if specified in this permit). (25 Pa. Code § 92a.47(a)(7), § 95.2(2))

3. Substances in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life. (25 Pa Code § 93.6(a))

4. Foam or substances that produce an observed change in the color, taste, odor or turbidity of the receiving water, unless those conditions are otherwise controlled through effluent limitations or other requirements in this permit. For the purpose of determining compliance with this condition, DEP will compare conditions in the receiving water upstream of the discharge to conditions in the receiving water approximately 100 feet downstream of the discharge to determine if there is an observable change in the receiving water. (25 Pa Code § 92a.41(c))

Footnotes

(1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured and recorded.

(2) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.

Supplemental Information

The effluent limitations for Outfall 001 were determined using an effluent discharge rate of 0.0072 MGD.

II. DEFINITIONS

At Outfall (XXX) means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line (XXX), or where otherwise specified.

Average refers to the use of an arithmetic mean, unless otherwise specified in this permit. (40 CFR 122.41(l)(4)(iii))

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures and other management practices to prevent or reduce the pollutant loading to surface waters of the Commonwealth. The term also includes treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. The term includes activities, facilities, measures, planning or procedures used to minimize accelerated erosion and sedimentation and manage stormwater to protect, maintain, reclaim, and restore the quality of waters and the existing and designated uses of waters within this Commonwealth before, during and after earth disturbance activities. (25 Pa. Code § 92a.2)

Bypass means the intentional diversion of waste streams from any portion of a treatment facility. (40 CFR 122.41(m)(1)(i))

Calendar Week is defined as the seven consecutive days from Sunday through Saturday, unless the permittee has been given permission by DEP to provide weekly data as Monday through Friday based on showing excellent performance of the facility and a history of compliance. In cases when the week falls in two separate months, the month with the most days in that week shall be the month for reporting.

Clean Water Act means the Federal Water Pollution Control Act, as amended. (33 U.S.C.A. §§ 1251 to 1387).

Chemical Additive means a chemical product (including products of disassociation and degradation, collectively "products") introduced into a waste stream that is used for cleaning, disinfecting, or maintenance and which may be detected in effluent discharged to waters of the Commonwealth. The term generally excludes chemicals used for neutralization of waste streams, the production of goods, and treatment of wastewater.

Composite Sample (for all except GC/MS volatile organic analysis) means a combination of individual samples (at least eight for a 24-hour period or four for an 8-hour period) of at least 100 milliliters (mL) each obtained at spaced time intervals during the compositing period. The composite must be flow-proportional; either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval is proportional to the flow rates over the time period used to produce the composite. (EPA Form 2C)

Composite Sample (for GC/MS volatile organic analysis) consists of at least four aliquots or grab samples collected during the sampling event (not necessarily flow proportioned). A separate analysis should be performed for each sample and the results should be averaged.

Daily Average Temperature means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day. (25 Pa. Code § 92a.2, 40 CFR 122.2)

Daily Maximum Discharge Limitation means the highest allowable "daily discharge."

Discharge Monitoring Report (DMR) means the DEP or EPA supplied form(s) for the reporting of self-monitoring results by the permittee. (25 Pa. Code § 92a.2, 40 CFR 122.2)

Estimated Flow means any method of liquid volume measurement based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.

Geometric Mean means the average of a set of n sample results given by the nth root of their product.

Grab Sample means an individual sample of at least 100 mL collected at a randomly selected time over a period not to exceed 15 minutes. (EPA Form 2C)

Hazardous Substance means any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act. (40 CFR 122.2)

Hauled-In Wastes means any waste that is introduced into a treatment facility through any method other than a direct connection to the wastewater collection system. The term includes wastes transported to and disposed of within the treatment facility or other entry points within the collection system.

Immersion Stabilization (i-s) means a calibrated device is immersed in the wastewater until the reading is stabilized.

Instantaneous Maximum Effluent Limitation means the highest allowable discharge of a concentration or mass of a substance at any one time as measured by a grab sample. (25 Pa. Code § 92a.2)

Measured Flow means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.

Monthly Average Discharge Limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. (25 Pa. Code § 92a.2)

Municipal Waste means garbage, refuse, industrial lunchroom or office waste and other material, including solid, liquid, semisolid or contained gaseous material resulting from operation of residential, municipal, commercial or institutional establishments and from community activities; and sludge not meeting the definition of residual or hazardous waste under this section from a municipal, commercial or institutional water supply treatment plant, waste water treatment plant or air pollution control facility. (25 Pa. Code § 271.1)

Non-contact Cooling Water means water used to reduce temperature which does not come in direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.

Residual Waste means garbage, refuse, other discarded material or other waste, including solid, liquid, semisolid or contained gaseous materials resulting from industrial, mining and agricultural operations and sludge from an industrial, mining or agricultural water supply treatment facility, wastewater treatment facility or air pollution control facility, if it is not hazardous. The term does not include coal refuse as defined in the Coal Refuse Disposal Control Act. The term does not include treatment sludges from coal mine drainage treatment plants, disposal of which is being carried on under and in compliance with a valid permit issued under the Clean Streams Law. (25 Pa Code § 287.1)

Severe Property Damage means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. (40 CFR 122.41(m)(1)(ii))

Stormwater means the runoff from precipitation, snow melt runoff, and surface runoff and drainage. (25 Pa. Code § 92a.2)

Stormwater Associated With Industrial Activity means the discharge from any conveyance that is used for collecting and conveying stormwater and that is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant, and as defined at 40 CFR 122.26(b)(14) (i) - (ix) & (xi) and 25 Pa. Code § 92a.2.

Total Dissolved Solids means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.

Toxic Pollutant means those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains may, on the basis of information available to DEP cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in these organisms or their offspring. (25 Pa. Code § 92a.2)

III. SELF-MONITORING, REPORTING AND RECORDKEEPING

A. Representative Sampling

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity (40 CFR 122.41(j)(1)). Representative sampling includes the collection of samples, where possible, during periods of adverse weather, changes in treatment plant performance and changes in treatment plant loading. If possible, effluent samples must be collected where the effluent is well mixed near the center of the discharge conveyance and at the approximate mid-depth point, where the turbulence is at a maximum and the settlement of solids is minimized. (40 CFR 122.48, 25 Pa. Code § 92a.61)

2. Records Retention (40 CFR 122.41(j)(2))

   Except for records of monitoring information required by this permit related to the permittee's sludge use and disposal activities which shall be retained for a period of at least 5 years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for 3 years from the date of the sample measurement, report or application, unless a longer retention period is required by the permit. The 3-year period shall be extended as requested by DEP or the EPA Regional Administrator.

3. Recording of Results (40 CFR 122.41(j)(3))

   For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

   a. The exact place, date and time of sampling or measurements.
   b. The person(s) who performed the sampling or measurements.
   c. The date(s) the analyses were performed.
   d. The person(s) who performed the analyses.
   e. The analytical techniques or methods used; and the associated detection level.
   f. The results of such analyses.

4. Test Procedures

   a. Facilities that test or analyze environmental samples used to demonstrate compliance with this permit shall be in compliance with laboratory accreditation requirements of Act 90 of 2002 (27 Pa. C.S. §§ 4101-4113) and 25 Pa. Code Chapter 252, relating to environmental laboratory accreditation.

   b. Test procedures (methods) for the analysis of pollutants or pollutant parameters shall be those approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or O, unless the method is specified in this permit or has been otherwise approved in writing by DEP. (40 CFR 122.41(j)(4), 122.44(i)(1)(iv))

   c. Test procedures (methods) for the analysis of pollutants or pollutant parameters shall be sufficiently sensitive. A method is sufficiently sensitive when 1) the method minimum level is at or below the level of the effluent limit established in the permit for the measured pollutant or pollutant parameter; or 2) the method has the lowest minimum level of the analytical methods approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or O, for the measured pollutant or pollutant parameter; or 3) the method is specified in this permit or has been otherwise approved in writing by DEP for the measured pollutant or pollutant parameter. Permittees have the option of providing matrix or sample-specific minimum levels rather than the published levels. (40 CFR 122.44(i)(1)(iv))

5. Quality/Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

a. The permittee, or its designated laboratory, shall participate in the periodic scheduled quality assurance inspections conducted by DEP and EPA. (40 CFR 122.41(e), 122.41(i)(3))

b. The permittee, or its designated laboratory, shall develop and implement a program to assure the quality and accurateness of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136. (40 CFR 122.41(j)(4))

B. Reporting of Monitoring Results

1. The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.44, 92a.61(i) and 40 CFR §§ 122.41(e), 122.44(i)(1))

2. The permittee shall use DEP's electronic Discharge Monitoring Report (eDMR) system to report the results of compliance monitoring under this permit (see www.dep.pa.gov/edmr). Permittees that are not using the eDMR system as of the effective date of this permit shall submit the necessary registration and trading partner agreement forms to DEP's Bureau of Clean Water (BCW) within 30 days of the effective date of this permit and begin using the eDMR system when notified by DEP BCW to do so. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.61(g) and 40 CFR § 122.41(l)(4))

3. Submission of a physical (paper) copy of a Discharge Monitoring Report (DMR) is acceptable under the following circumstances:

   a. For a permittee that is not yet using the eDMR system, the permittee shall submit a physical copy of a DMR to the DEP regional office that issued the permit during the interim period between the submission of registration and trading partner agreement forms to DEP and DEP's notification to begin using the eDMR system.

   b. For any permittee, as a contingency a physical DMR may be mailed to the DEP regional office that issued the permit if there are technological malfunction(s) that prevent the successful submission of a DMR through the eDMR system. In such situations, the permittee shall submit the DMR through the eDMR system within 5 days following remedy of the malfunction(s).

4. DMRs must be completed in accordance with DEP's published DMR instructions (3800-FM-BCW0463). DMRs must be received by DEP no later than 28 days following the end of the monitoring period. DMRs are based on calendar reporting periods and must be received by DEP in accordance with the following schedule:

   - Monthly DMRs must be received within 28 days following the end of each calendar month.
   - Quarterly DMRs must be received within 28 days following the end of each calendar quarter, i.e., January 28, April 28, July 28, and October 28.
   - Semiannual DMRs must be received within 28 days following the end of each calendar semiannual period, i.e., January 28 and July 28.
   - Annual DMRs must be received by January 28, unless Part C of this permit requires otherwise.

5. The permittee shall complete all Supplemental Reporting forms (Supplemental DMRs) attached to this permit, or an approved equivalent, and submit the signed, completed forms as attachments to the DMR, through DEP's eDMR system. DEP's Supplemental Laboratory Accreditation Form (3800-FM-BCW0189) must be completed and submitted to DEP with the first DMR following issuance of this permit, and anytime thereafter when changes to laboratories or methods occur. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.61(g) and 40 CFR § 122.41(l)(4))

6. The completed DMR Form shall be signed and certified by either of the following applicable persons, as defined in 25 Pa. Code § 92a.22:

- For a corporation - by a principal executive officer of at least the level of vice president, or an authorized representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the NPDES form originates.
- For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
- For a municipality, state, federal or other public agency - by a principal executive officer or ranking elected official.

If signed by a person other than the above and for co-permittees, written notification of delegation of DMR signatory authority must be submitted to DEP in advance of or along with the relevant DMR form. (40 CFR § 122.22(b))

7. If the permittee monitors any pollutant at monitoring points as designated by this permit, using analytical methods described in Part A III.A.4. herein, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR. (40 CFR 122.41(l)(4)(ii))

C. Reporting Requirements

1. Planned Changes to Physical Facilities – The permittee shall give notice to DEP as soon as possible but no later than 30 days prior to planned physical alterations or additions to the permitted facility. A permit under 25 Pa. Code Chapter 91 may be required for these situations prior to implementing the planned changes. A permit application, or other written submission to DEP, can be used to satisfy the notification requirements of this section.

   Notice is required when:

   a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b). (40 CFR 122.41(l)(1)(i))

   b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in this permit. (40 CFR 122.41(l)(1)(ii))

   c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan. (40 CFR 122.41(l)(1)(iii))

   d. The planned change may result in noncompliance with permit requirements. (40 CFR 122.41(l)(2))

2. Planned Changes to Waste Stream – Under the authority of 25 Pa. Code § 92a.24(a), the permittee shall provide notice to DEP as soon as possible but no later than 45 days prior to any planned changes in the volume or pollutant concentration of its influent waste stream, as specified in paragraphs 2.a. and 2.b., below. Notice shall be provided on the "Planned Changes to Waste Stream" Supplemental Report (3800-FM-BCW0482), available on DEP's website. The permittee shall provide information on the quality and quantity of waste introduced into the facility, and any anticipated impact of the change on the quantity or quality of effluent to be discharged from the facility. The Report shall be sent via Certified Mail or other means to confirm DEP's receipt of the notification. DEP will determine if the submission of a new application and receipt of a new or amended permit is required.

   a. Introduction of New Pollutants (25 Pa. Code § 92a.24(a))

      New pollutants are defined as parameters that meet all of the following criteria:

      (i) Were not detected in the facilities' influent waste stream as reported in the permit application; and

(ii) Have not been approved to be included in the permittee's influent waste stream by DEP in writing.

The permittee shall provide notification of the introduction of new pollutants in accordance with paragraph 2 above. The permittee may not authorize the introduction of new pollutants until the permittee receives DEP's written approval.

b. Increased Loading of Approved Pollutants (25 Pa. Code § 92a.24(a))

Approved pollutants are defined as parameters that meet one or more of the following criteria:

(i) Were detected in the facilities' influent waste stream as reported in the permittee's permit application; or

(ii) Have been approved to be included in the permittee's influent waste stream by DEP in writing; or

(iii) Have an effluent limitation or monitoring requirement in this permit.

The permittee shall provide notification of the introduction of increased influent loading (lbs/day) of approved pollutants in accordance with paragraph 2 above when (1) the cumulative increase in influent loading (lbs/day) exceeds 20% of the maximum loading reported in the permit application, or a loading previously approved by DEP, or (2) may cause an exceedance in the effluent of Effluent Limitation Guidelines (ELGs) or limitations in Part A of this permit, or (3) may cause interference or pass through at the facility (as defined at 40 CFR 403.3), or (4) may cause exceedances of the applicable water quality standards in the receiving stream. Unless specified otherwise in this permit, if DEP does not respond to the notification within 30 days of its receipt, the permittee may proceed with the increase in loading. The acceptance of increased loading of approved pollutants may not result in an exceedance of ELGs or effluent limitations and may not cause exceedances of the applicable water quality standards in the receiving stream.

3. Reporting Requirements for Hauled-In Wastes

a. Receipt of Residual Waste

(i) The permittee shall document the receipt of all hauled-in residual wastes (including but not limited to wastewater from oil and gas wells, food processing waste, and landfill leachate), as defined at 25 Pa. Code § 287.1, that are received for processing at the treatment facility. The permittee shall report hauled-in residual wastes on a monthly basis to DEP on the "Hauled In Residual Wastes" Supplemental Report (3800-FM-BCW0450) as an attachment to the DMR. If no residual wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report. The information used to develop the Report shall be retained by the permittee for five years from the date of receipt and must be made available to DEP or EPA upon request.

(1) The dates that residual wastes were received.

(2) The volume (gallons) of wastes received.

(3) The license plate number of the vehicle transporting the waste to the treatment facility.

(4) The permit number(s) of the well(s) where residual wastes were generated, if applicable.

(5) The name and address of the generator of the residual wastes.

(6) The type of wastewater.

The transporter of residual waste must maintain these and other records as part of the daily operational record (25 Pa. Code § 299.219). If the transporter is unable to provide this information or the permittee has not otherwise received the information from the generator, the residual wastes shall not be accepted by the permittee until such time as the permittee receives such information from the transporter or generator.

(ii) The following conditions apply to the characterization of residual wastes received by the permittee:

(1) If the generator is required to complete a chemical analysis of residual wastes in accordance with 25 Pa. Code § 287.51, the permittee must receive and maintain on file a chemical analysis of the residual wastes it receives. The chemical analysis must conform to the Bureau of Waste Management's Form 26R except as noted in paragraph (2), below. Each load of residual waste received must be covered by a chemical analysis if the generator is required to complete it.

(2) For wastewater generated from hydraulic fracturing operations ("frac wastewater") within the first 30 production days of a well site, the chemical analysis may be a general frac wastewater characterization approved by DEP. Thereafter, the chemical analysis must be waste-specific and be reported on the Form 26R.

b. Receipt of Municipal Waste

(i) The permittee shall document the receipt of all hauled-in municipal wastes (including but not limited to septage and liquid sewage sludge), as defined at 25 Pa. Code § 271.1, that are received for processing at the treatment facility. The permittee shall report hauled-in municipal wastes on a monthly basis to DEP on the "Hauled In Municipal Wastes" Supplemental Report (3800-FM-BCW0437) as an attachment to the DMR. If no municipal wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report:

(1) The dates that municipal wastes were received.

(2) The volume (gallons) of wastes received.

(3) The BOD_5 concentration (mg/l) and load (lbs) for the wastes received.

(4) The location(s) where wastes were disposed of within the treatment facility.

(ii) Sampling and analysis of hauled-in municipal wastes must be completed to characterize the organic strength of the wastes, unless composite sampling of influent wastewater is performed at a location downstream of the point of entry for the wastes.

4. Unanticipated Noncompliance or Potential Pollution Reporting

a. Immediate Reporting - The permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code §§ 91.33 and 92a.41(b).

(i) If, because of an accident, other activity or incident a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property, the permittee shall immediately notify DEP by telephone of the location and nature of the danger. Oral notification to the Department is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.

(ii) If reasonably possible to do so, the permittee shall immediately notify downstream users of the waters of the Commonwealth to which the substance was discharged. Such notice shall include the location and nature of the danger.

(iii) The permittee shall immediately take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution and, in addition, within 15 days from the incident, shall remove the residual substances contained thereon or therein from the ground and from the affected waters of this Commonwealth to the extent required by applicable law.

b. The permittee shall report any noncompliance which may endanger health or the environment in accordance with the requirements of 40 CFR 122.41(l)(6). These requirements include the following obligations:

(i) 24 Hour Reporting - The permittee shall orally report any noncompliance with this permit which may endanger health or the environment within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported within 24 hours under this paragraph:

(1) Any unanticipated bypass which exceeds any effluent limitation in the permit;

(2) Any upset which exceeds any effluent limitation in the permit; and

(3) Violation of the maximum daily discharge limitation for any of the pollutants listed in the permit as being subject to the 24-hour reporting requirement. (40 CFR 122.44(g))

(ii) Written Report - A written submission shall also be provided within 5 days of the time the permittee becomes aware of any noncompliance which may endanger health or the environment. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

(iii) Waiver of Written Report - DEP may waive the written report on a case-by-case basis if the associated oral report has been received within 24 hours from the time the permittee becomes aware of the circumstances which may endanger health or the environment. Unless such a waiver is expressly granted by DEP, the permittee shall submit a written report in accordance with this paragraph. (40 CFR 122.41(l)(6)(iii))

5. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph C.4 of this section or specific requirements of compliance schedules, at the time DMRs are submitted, on the Non-Compliance Reporting Form (3800-FM-BCW0440). The reports shall contain the information listed in paragraph C.4.b.(ii) of this section. (40 CFR 122.41(l)(7))

D. Specific Toxic Pollutant Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Direct Dischargers) - The permittee shall notify DEP as soon as it knows or has reason to believe the following: (40 CFR 122.42(a))

1. That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in this permit, if that discharge on a routine or frequent basis will exceed the highest of the following "notification levels": (40 CFR 122.42(a)(1))

a. One hundred micrograms per liter.

b. Two hundred micrograms per liter for acrolein and acrylonitrile.

c. Five hundred micrograms per liter for 2,4-dinitrophenol and 2-methyl-4,6-dinitrophenol.

d. One milligram per liter for antimony.

e. Five times the maximum concentration value reported for that pollutant in this permit application.

f. Any other notification level established by DEP.

2. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following "notification levels": (40 CFR 122.42(a)(2))

a. Five hundred micrograms per liter.

b. One milligram per liter for antimony.

c. Ten times the maximum concentration value reported for that pollutant in the permit application.

d. Any other notification level established by DEP.

PART B

I. MANAGEMENT REQUIREMENTS

A. Compliance

1. The permittee shall comply with all conditions of this permit. If a compliance schedule has been established in this permit, the permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit. (40 CFR 122.41(a)(1))

2. The permittee shall submit reports of compliance or noncompliance, or progress reports as applicable, for any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline. (25 Pa. Code § 92a.51(c), 40 CFR 122.47(a)(4))

B. Permit Modification, Termination, or Revocation and Reissuance

1. This permit may be modified, terminated, or revoked and reissued during its term in accordance with 25 Pa. Code § 92a.72 and 40 CFR 122.41(f).

2. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition. (40 CFR 122.41(f))

3. In the absence of DEP action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions. (40 CFR 122.41(a)(1))

C. Duty to Provide Information

1. The permittee shall furnish to DEP, within a reasonable time, any information which DEP may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. (40 CFR 122.41(h))

2. The permittee shall furnish to DEP, upon request, copies of records required to be kept by this permit. (40 CFR 122.41(h))

3. Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to DEP, it shall promptly submit the correct and complete facts or information. (40 CFR 122.41(l)(8))

D. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems that are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit. (40 CFR 122.41(e))

E. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge, sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment. (40 CFR 122.41(d))

F. Bypassing

1. Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions in paragraphs two, three and four of this section. (40 CFR 122.41(m)(2))

2. Other Bypassing - In all other situations, bypassing is prohibited and DEP may take enforcement action against the permittee for bypass unless:

   a. A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage." (40 CFR 122.41(m)(4)(i)(A))

   b. There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance. (40 CFR 122.41(m)(4)(i)(B))

   c. The permittee submitted the necessary notice required in F.4.a. and b. below. (40 CFR 122.41(m)(4)(i)(C))

3. DEP may approve an anticipated bypass, after considering its adverse effects, if DEP determines that it will meet the conditions listed in F.2. above. (40 CFR 122.41(m)(4)(ii))

4. Notice

   a. Anticipated Bypass – If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least 10 days before the bypass. (40 CFR 122.41(m)(3)(i))

   b. Unanticipated Bypass – The permittee shall submit oral notice of any other unanticipated bypass within 24 hours, regardless of whether the bypass may endanger health or the environment or whether the bypass exceeds effluent limitations. The notice shall be in accordance with Part A III.C.4.b.

G. Termination of Permit Coverage (25 Pa. Code § 92a.74 and 40 CFR 122.64)

1. Notice of Termination (NOT) – If the permittee plans to cease operations or will otherwise no longer require coverage under this permit, the permittee shall submit DEP's NPDES Notice of Termination (NOT) for Permits Issued Under Chapter 92a (3800-BCW-0410), signed in accordance with Part A III.B.6 of this permit, at least 30 days prior to cessation of operations or the date by which coverage is no longer required.

2. Where the permittee plans to cease operations, NOTs must be accompanied with an operation closure plan that identifies how tankage and equipment will be decommissioned and how pollutants will be managed, as applicable.

3. The permittee shall submit the NOT to the DEP regional office with jurisdiction over the county in which the facility is located.

II. PENALTIES AND LIABILITY

A. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative and/or criminal penalties as set forth in 40 CFR 122.41(a)(2).

Any person or municipality, who violates any provision of this permit; any rule, regulation or order of DEP; or any condition or limitation of any permit issued pursuant to the Clean Streams Law, is subject to criminal and/or civil penalties as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

B. Falsifying Information

Any person who does any of the following:

- Falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit, or

- Knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or noncompliance)

Shall, upon conviction, be punished by a fine and/or imprisonment as set forth in 18 Pa.C.S.A § 4904 and 40 CFR 122.41(j)(5) and (k)(2).

C. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (40 CFR 122.41(c))

III. OTHER RESPONSIBILITIES

A. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law, and Title 25 Pa. Code Chapter 92a and 40 CFR 122.41(i), the permittee shall allow authorized representatives of DEP and EPA, upon the presentation of credentials and other documents as may be required by law:

1. To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit; (40 CFR 122.41(i)(1))

2. To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit; (40 CFR 122.41(i)(2))

3. To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and (40 CFR 122.41(i)(3))

4. To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or the Clean Streams Law, any substances or parameters at any location. (40 CFR 122.41(i)(4))

B. Transfer of Permits

1. Transfers by modification. Except as provided in paragraph 2 of this section, a permit may be transferred by the permittee to a new owner or operator only if this permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act. (40 CFR 122.61(a))

2. Automatic transfers. As an alternative to transfers under paragraph 1 of this section, any NPDES permit may be automatically transferred to a new permittee if:

   a. The current permittee notifies DEP at least 30 days in advance of the proposed transfer date in paragraph 2.b. of this section; (40 CFR 122.61(b)(1))

   b. The notice includes the appropriate DEP transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; (40 CFR 122.61(b)(2))

   c. DEP does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue this permit, the transfer is effective on the date specified in the agreement mentioned in paragraph 2.b. of this section; and (40 CFR 122.61(b)(3))

   d. The new permittee is in compliance with existing DEP issued permits, regulations, orders and schedules of compliance, or has demonstrated that any noncompliance with the existing permits has been resolved by an appropriate compliance action or by the terms and conditions of the permit (including compliance schedules set forth in the permit), consistent with 25 Pa. Code § 92a.51 (relating to schedules of compliance) and other appropriate DEP regulations. (25 Pa. Code § 92a.71)

3. In the event DEP does not approve transfer of this permit, the new owner or operator must submit a new permit application.

C. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege. (40 CFR 122.41(g))

D. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit. (40 CFR 122.41(b))

E. Other Laws

The issuance of this permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of state or local law or regulations.

IV. ANNUAL FEES

Permittees shall pay an annual fee in accordance with 25 Pa. Code § 92a.62. Annual fee amounts are specified in the following schedule and are due on each anniversary of the effective date of the most recent new or reissued permit. All flows identified in the schedule are annual average design flows. (25 Pa. Code § 92a. 62)

Minor IW Facility without ELG (Effluent Limitation Guideline)	$500
Minor IW Facility with ELG	$1,500
Major IW Facility < 250 MGD (million gallons per day)	$5,000
Major IW Facility ≥ 250 MGD	$25,000
IW Stormwater Individual Permit	$1,000
CAAP (Concentrated Aquatic Animal Production Facility)	$0

As of the effective date of this permit, the facility covered by the permit is classified in the following fee category: **Minor IW Facility without ELG**.

Invoices for annual fees will be mailed to permittees approximately three months prior to the due date. In the event that an invoice is not received, the permittee is nonetheless responsible for payment. Throughout a five year permit term, permittees will pay four annual fees followed by a permit renewal application fee in the last year of permit coverage. Permittees may contact DEP at 717-787-6744 with questions related to annual fees. The fees identified above are subject to change in accordance with 25 Pa. Code § 92a.62(e).

Payment for annual fees shall be remitted to DEP at the address below by the anniversary date. Checks should be made payable to the Commonwealth of Pennsylvania.

PA Department of Environmental Protection
Bureau of Clean Water
Re: Chapter 92a Annual Fee
P.O. Box 8466
Harrisburg, PA 17105-8466

PART C

I. OTHER REQUIREMENTS

A. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance or replacement of all structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.

B. Collected screenings, slurries, sludges, and other solids shall be handled, recycled and/or disposed of in compliance with the Solid Waste Management Act (35 P.S. §§ 6018.101 – 6018.1003), 25 Pa. Code Chapters 287, 288, 289, 291, 295, 297, and 299 (relating to requirements for landfilling, impoundments, land application, composting, processing, and storage of residual waste), Chapters 261a, 262a, 263a, and 270a (related to identification of hazardous waste, requirements for generators and transporters, and hazardous waste, requirements for generators and transporters, and hazardous waste permit programs), federal regulation 40 CFR Part 257, The Clean Streams Law, and the Federal Clean Water Act and its amendments. Screenings collected at intake structures shall be collected and managed and not be returned to the receiving waters.

The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport and disposal of solid waste materials generated as a result of wastewater treatment.

C. The terms and conditions of Water Quality Management (WQM) permits that may have been issued to the permittee relating to discharge requirements are superseded by this NPDES permit unless otherwise stated herein.

D. If the applicable standard or effluent guideline limitation relating to the application for Best Available Technology (BAT) Economically Achievable or to Best Conventional Technology (BCT) is developed by DEP or EPA for this type of industry, and if such standard or limitation is more stringent than the corresponding limitations of this permit (or if it controls pollutants not covered by this permit), DEP may modify or revoke and reissue the permit to conform with that standard or limitation.

II. SEDIMENTATION BASIN CLEANING

A. The permittee shall submit written notification to the DEP at least three weeks prior to the start of the periodic basin cleaning operations. The notification shall include the date and duration of the basin cleaning operations. In addition, the permittee shall provide documentation that identifies any deviations from the basin cleaning procedures outlined in the facility's PPC Plan.

B. The monitoring frequency for all parameters shall be daily during the period of dewatering of the sedimentation basins. The parameters with composite sample type shall be a 24-hour composite during dewatering period. Additional measures shall be taken during dewatering of the sedimentation basins to prevent accumulated sediment loss to the stream. The Clean Water Program Operations Section shall be notified at least 48 hours prior to commencement of dewatering of basins.

C. Monitoring of turbidity during the period of dewatering of sedimentation basins shall be every two hours. The dewatering of the basins shall cease immediately when turbidity in any sample exceeds 100 NTU. A separate detailed monitoring report for this discharge shall be prepared and submitted with the monthly DMR.

3800-FM-BCW0462 12/2016

COMMONWEALTH OF PENNSYLVANIA

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NAME	Ulster Township Municipal Authority Bradford County
ADDRESS	23639 Route 220
	Ulster, PA 18850-7982
FACILITY	Ulster Municipal Authority Water System
LOCATION	Ulster Township
	Bradford County
WATERSHED	4-B

PERMIT NUMBER	OUTFALL NUMBER
PA0233811	001

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Reporting Frequency: Quarterly
DMR Effective From: Permit Effective Date
DMR Effective To: Permit Expiration Date
Permit Expires:
Permit Application Due:

___ Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
	SAMPLE MEASUREMENT										
Zinc, Total	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX	Report Daily Max	XXX	mg/L		1/quarter	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).		TELEPHONE		DATE		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS *(Report all violations on the "Non-Compliance Reporting Form")*

3800-FM-BCW0462 12/2016

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

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NAME: Ulster Township Municipal Authority Bradford County

ADDRESS: 23639 Route 220
Ulster, PA 18850-7982

FACILITY: Ulster Municipal Authority Water System

LOCATION: Ulster Township
Bradford County

WATERSHED: 4-B

PA0233811	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
			TO			

Reporting Frequency: Monthly
DMR Effective From: Permit Effective Date
DMR Effective To: Permit Expiration Date
Permit Expires:
Permit Application Due:

___ Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	MGD	XXX	XXX	XXX	XXX		1/day	Weir
pH	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX	XXX	6.0 Inst Min	XXX	9.0 IMAX	S.U.		1/day	Grab
Total Residual Chlorine (TRC)	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX	0.26 Avg Mo	0.84 IMAX	mg/L		1/day	Grab
Total Suspended Solids	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	lbs/day	XXX	30 Avg Mo	60 Daily Max	mg/L		1/week	24-Hr Composite
Iron, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	lbs/day	XXX	1.5 Avg Mo	3.0 Daily Max	mg/L		1/week	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).		TELEPHONE		DATE		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS *(Report all violations on the "Non-Compliance Reporting Form")*

3800-FM-BCW0462 12/2016

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BUREAU OF CLEAN WATER
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NAME: Ulster Township Municipal Authority Bradford County

ADDRESS: 23639 Route 220 Ulster, PA 18850-7982

FACILITY: Ulster Municipal Authority Water System

LOCATION: Ulster Township Bradford County

WATERSHED: 4-B

PA0233811	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Reporting Frequency: Monthly

DMR Effective From: Permit Effective Date

DMR Effective To: Permit Expiration Date

Permit Expires:

Permit Application Due:

___ Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
	SAMPLE MEASUREMENT										
Manganese, Total	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	lbs/day	XXX	1.0 Avg Mo	2.0 Daily Max	mg/L		1/week	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).		TELEPHONE		DATE		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS *(Report all violations on the "Non-Compliance Reporting Form")*

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

INSTRUCTIONS FOR COMPLETING DISCHARGE MONITORING REPORTS (DMRs)

General

One or more Discharge Monitoring Reports (DMRs) are attached to your permit for reporting the results of self-monitoring activities as required by your permit. You should make copies of the DMRs for your ongoing use, unless you elect to participate in the Department of Environmental Protection's (DEP's) electronic DMR (eDMR) program (see www.dep.pa.gov/edmr).

- Reporting frequencies will vary depending on the monitoring frequencies listed in your permit, and are generally monthly, quarterly semi-annually and annually.
- Your reports must be received by DEP on the 28th day of the month following the end of the reporting period, unless otherwise specified in Part C of your permit.
- Your permit may require submission of DMRs to other agencies, including the U.S. Environmental Protection Agency (EPA).
- If you receive DMRs in the mail from EPA, please discontinue use of DMR Form No. 3800-FM-BCW0462 and begin using EPA's DMRs.
- DMRs will generally include pre-populated information for permittee name and address, facility location, permit number, outfall number, permit expiration date, parameter names, and permit requirements. If you identify any errors on a DMR issued by DEP, please contact the DEP regional office that issued your permit. If you identify any errors on a DMR issued by EPA, please contact DEP's Central Office at 717-787-6744. **DO NOT make changes to DMRs issued to you**.
- You may use computer-generated replicas of Form No. 3800-FM-CW0462 or of EPA's DMR if you receive prior approval from DEP and EPA. **DEP reserves the right to instruct you to discontinue the submission of computer-generated DMRs if the permit requirements you entered on the form are inaccurate.**

Instructions

1. Enter statistical results into each blank field below the "VALUE" column headers. Results must be reported in the same units shown on the DMR.
2. Sum the total number of excursions or exceedances of permit limits across the row for each parameter and enter the value into the "NO. EX" field. For example, if the permit contains limits of 6.0 S.U. (Minimum) and 9.0 S.U. (Maximum) for pH, and the Minimum and Maximum results are 5.9 S.U. and 9.1 S.U., respectively, enter "2" into the "NO. EX" field.
3. Report the actual sampling frequency and sample type utilized during the reporting period in the fields corresponding to "Frequency of Analysis" and "Sample Type", respectively.
4. Type the name of the principal executive officer (or an authorized agent designated by a principal executive officer) who is taking responsibility for the report, sign the report (should be in ink), enter the telephone number of the responsible individual, and record the date that the report was signed. Mail only original, signed copies of DMRs.
5. In the Comments section at the bottom of the DMR, you may write a brief summary of violations in this section; however, DEP requests that all violations during the monitoring period be reported in more detail on DEP's **Non-Compliance Reporting Form** (3800-FM-BCW0440) and be submitted as an attachment to the DMR. Other uses of the Comments Section include explanations of attachments to the DMR, explanations for the unavailability of data, and brief summaries of issues that have affected operations or effluent quality during the monitoring period. Always consider attaching a letter or separate document to explain your situation in more detail.

No Discharge or No Data Available

If there was no discharge at all from an outfall during the monitoring period, check the "No Discharge" box on the top of the DMR. Complete the information above and below the table and mail the DMR to the appropriate agencies. Be sure to sign and date the DMR.

If there was no discharge of a specific parameter (e.g., if a chlorine limit is in the permit but chlorine was not used for disinfection during the entire reporting period), or if data are not available for a specific parameter for the entire reporting period, do not leave the DMR blank. Instead, report one of the following No Data Indicator (NODI) codes that apply to your situation in the appropriate value field, and **provide an explanation as an attachment to the DMR**:

A Use if you are exempted from monitoring the parameter because of a General Permit condition.

E Use if all samples or results are not available for the reporting period due to equipment failure or because sample collection was overlooked or samples could not be collected for the parameter.

GG Use if your permit requires sample collection and analysis only under certain conditions and those conditions were not met during the reporting period (e.g., report chlorine results only when chlorination system is used).

FF Other: use if there is any reason for the absence of data that is not covered by those above.

If you have at least one result for a parameter, the value should be reported and not a NODI code.

Calculations

The following explains how to calculate statistical values that are commonly required by permits:

Monthly Average – For Loading (lbs/day), sum the total of daily loadings and divide by the number of samples during the month. To calculate the daily loading, multiply the daily concentration (mg/l) by the flow (MGD) on the date of sampling and a conversion factor of 8.34. For Concentration, sum the total of daily concentrations and divide by the number of samples.

Weekly Average – For Loading (lbs/day), sum the total of average daily loadings during each week of the reporting period (beginning on a Sunday and ending on a Saturday) and divide by the number of samples during the week. For Concentration, sum the total of daily concentrations each week and divide by the number of samples. Report the maximum weekly average on the DMR.

Maximum Daily ("Daily Max") – Report the maximum concentration or load measured during a 24-hour period during the reporting period; if multiple measurements are taken daily, include all data in the analysis.

Instantaneous Maximum ("IMAX") – Report the maximum result obtained by a grab sample for a specific pollutant over the entire reporting period covered by a DMR.

Instantaneous Minimum ("Minimum") – Report the minimum result obtained by a grab sample for a specific pollutant over the entire reporting period covered by a DMR.

Total Monthly Load (lbs) – Sum the total of average daily loadings, divide by the number of samples during the month, and multiply by the number of days in the month.

Geometric Mean – Report the average of a set of *n* sample results given by the *n*th root of their product. If any result is zero (0), substitute 1 for the calculation. For example, five samples were analyzed with the following results: 20, 300, 400, 500, and 0. The calculation of geometric mean is as follows (note that you will need to use the power function on a calculator):

$$\sqrt[5]{20 \cdot 300 \cdot 400 \cdot 500 \cdot 1} = \sqrt[5]{1{,}200{,}000{,}000} = (1{,}200{,}000{,}000)^{1/5} = \mathbf{65}$$

Non-Detect Data

Conventional and Toxic Parameters

For calculating average values of data sets in which there are some "detections" (results at or above the laboratory reporting limit) and some "non-detect" data (results reported below the laboratory reporting limit), use the reporting limit for non-detect data. In other words, ignore the less than (<) symbol for statistical calculations and include the < symbol with the statistical result if there is at least one non-detect result in the data set. For example, four samples were analyzed with the following results: < 1.0, 2.0, < 1.0, and 1.0. The average statistical result is < 1.3.

Where the permit includes an effluent limitation for a parameter that is less than the most sensitive detection limit available, and the laboratory reports a value at or below the lowest level specified by the permit, you may use zero (0) in the calculation in lieu of the reporting limit, if the parameter is identified in 25 Pa. Code Chapter 16, Appendix A, Tables 2A and 2B. In general, parameters with limitations that are less than the most sensitive detection limit will be identified in Part C of the permit, if applicable.

Bacteria Parameters

Report all "non-detect" (e.g., < 2) and "too numerous to count" (TNTC) (e.g., > 2,000) results on DMR supplemental forms as reported by the laboratory. Do not report "TNTC" on supplemental forms, but instead report a value qualified with the">" symbol. Where a data set includes one or more "non-detect" and/or TNTC results, calculate the geometric mean by ignoring qualifying symbols, but report the value with the symbol. If a data set includes both ">" and "<" qualifiers, the ">" qualifier takes precedence for reporting. For all "non-detect" values, specify in the Comments section of the DMR the maximum volume filtered at the laboratory.

Example 1 – For results are determined, < 2, 10, 20, and 30. The geometric mean should be reported as $< (2 \bullet 10 \bullet 20 \bullet 30)^{0.25} = < 10$. Specify the maximum volume filtered for the < 2 result in the DMR Comments.

Example 2 – Three results are determined, < 2, 1,000, and > 2,000. The geometric mean should be reported as $> (2 \bullet 1{,}000 \bullet 2{,}000^{0.333} = > 158$.

Rounding and Precision

Statistical values reported on the DMR should be rounded to the same number of decimal places as the limit for the parameter as set forth in the permit. If the permit does not contain a limit but requests monitoring only, statistical values for concentration results should be rounded to the maximum number of decimal places in the data set as reported by the laboratory or the instrument used for analysis. If mass loads must be reported and there is no limit, round statistical values to the nearest whole number, unless the calculated number is less than one, in which case the value should be rounded to one significant figure (e.g., 0.1, 0.05, etc.). If the number you are rounding is followed by 5, 6, 7, 8, or 9, round the number up, otherwise round down.

The documents "Discharge Monitoring Reports Overview and Summary" (3800-BK-DEP3047) and "Management of Non-Detect Results for Discharge Monitoring Reports" (3800-FS-DEP4262) contain more information and are incorporated by reference. These documents are available on DEP's website.

3800-FM-BPNPSM0435 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: Ulster Municipal Authority Water System
Municipality: Ulster Township County: Bradford
Watershed: 4-B
Laboratories:

Month: Year:
NPDES Permit No.: PA0233811 Outfall No.: 001
Renewal application due **180 days** prior to expiration
This permit will expire on

Day	Effluent Parameters																	
	Flow		pH		TRC		TSS		Total Iron		Total Manganese		Total Zinc					
	Q	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q	
1																		
2																		
3																		
4																		
5																		
6																		
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Avg																		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Signature:
Title: Date:

3800-FM-BPNPSM0440 3/2012

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

NON-COMPLIANCE REPORTING FORM

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). **Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents, remediation, and may require an additional report on the incident or plan of pollution prevention measures.** If you are reporting other non-compliance events, and the reporting deadline does not coincide with your submission of the DMR, it should be submitted separately to the Department by the reporting deadline set forth in the permit. See instructions for more information.

Facility Name: Ulster Municipal Authority Water System Month: _____ Year: _____

Municipality: Ulster Township County: Bradford Permit No.: PA0233811

☐ **Violations of Permit Effluent Limitations***

Date	Parameter	Permit Limit	Units	Statistical Code	Result	Units	Cause of Violation	Corrective Action Taken

☐ **Sanitary Sewer Overflows and Other Unauthorized Discharges***

Event Date	Substance Discharged	Location	Volume (gals)	Duration (hrs)	Receiving Waters	Impact on Waters	Cause of Discharge	Date DEP Notified

☐ **Other Permit Violations***

☐ Sample collection less frequent than required Explain _____
☐ Sample type not in compliance with permit Explain _____
☐ Violation of permit schedule Explain _____
☐ Other Explain _____
☐ Other Explain _____

*** If the space provided is not sufficient to record all information, please attach additional sheets.**

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: _____ Signature: _____

Title: _____ Date: _____

3800-FM-BPNPSM0189 3/2012

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: Ulster Township Municipal Authority Bradford County

Address: 23639 Route 220
Ulster,PA 18850-7982

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0233811				TO			

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** _____ **Signature of Principal Executive Officer or Authorized Agent**

_____ **Date:** _____ _____

[1] Submit this form with the first Discharge Monitoring Report (DMR) or Annual Report, where sample results are submitted to the Department for compliance purposes. You do not need to send this form to the Department again UNLESS there has been a change to the lab(s), parameter(s) or method(s) of analysis.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

DAILY EFFLUENT MONITORING REPORT

Use this form to report daily monitoring results for the parameters that must be monitored in effluent for compliance with the permit. Results for influent parameters are normally reported on Form 3800-FM-BCW0436.

1. Enter Facility Name, Municipality, County, Watershed No., Laboratories, Month, Year, NPDES Permit No., Outfall No., and Permit Expiration Date (it is noted that this information may be pre-populated if you have received this form with your permit). For Laboratories, list the names of all laboratories where samples were analyzed during the month, including on-site analysis.

2. In the column headers, below "Effluent Parameters," enter the names of parameters in the permit. Since limited space is provided, abbreviation may be necessary. If there are more parameters for an outfall than columns provided on the form, attach an additional sheet.

3. Below parameter names, and to the right of "Q" (Qualifier) column headers, enter the units associated each parameter (it is noted that this information may be pre-populated if you have received this form with your permit).

4. Enter monitoring results for parameters in the rows corresponding to the day of the month in which samples were collected. Enter results exactly as reported by the laboratory, or if measured with on-site equipment, to the level of precision recommended by the equipment manufacturer. Enter data qualifiers such as "<," ">," "J," and others in the "Q" column.

5. Calculate and report average values at the bottom of the table in accordance with the DMR Instructions (3800-FM-BCW0463) and DEP guidance (3800-BK-DEP3047). Note – for bacteria, calculate and report the geometric mean value.

6. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

NON-COMPLIANCE REPORTING FORM

Use this supplemental form to report <u>all</u> permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). If you are reporting other non-compliance events, and the deadline for a written report (e.g., 5 days) does not coincide with your submission of the DMR, this form should be submitted separately to the Department by the reporting deadline set forth in the permit.

If you are unsure of whether an incident constitutes non-compliance that may endanger health or the environment, it is recommended that you notify the Department verbally as soon as possible after you become aware of the incident. Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents, remediation, and may require an additional report on the incident or plan of pollution prevention measures.

<u>Instructions</u>:

1. Enter the name of the facility, the municipality and county where it is located, the month and year when violations occurred, and the NPDES or WQM permit number for the facility.

2. If there were violations of permit effluent limitations during the month, check the box next to "Violations of Permit Effluent Limitations." (Note – if using the electronic version of this form, check the boxes first, and then select Tools – Unprotect Document to enter additional information). Enter the date of the violation (if a violation of a minimum or maximum limit, the date of sample collection, or if a violation of an average limit, the end of the monitoring period), the parameter name, the permit limit and units, the statistical code (e.g., "MIN", "MAX", "MO AVG", etc.), the measured

result and units, the cause of the violation and the corrective action taken. **If there are more than two violations during the monitoring period and/or if the space provided is insufficient to explain the cause or corrective action, please attach additional pages.**

3. If there are Sanitary Sewer Overflow (SSO) discharges or other unauthorized discharges from the facility (e.g., spills, leaks, etc.) that enter or have the potential to enter waters of the Commonwealth, including groundwater, notify DEP by phone as soon as possible, and document the discharge on this form by checking the box next to "Sanitary Sewer Overflows and Other Unauthorized Discharges." Record the event (discharge) date, the substance discharged (e.g., sewage, on-site chemicals, etc.), the location where the discharge occurred (e.g., manhole number, pump station name, equipment description, etc.), the volume discharged (gallons), the approximate duration of the discharge (hours), the receiving waters (name of stream or groundwater), the impact on the receiving waters, if observed (e.g., solids deposition, foam, fish kill, etc.), the cause of the discharge, and the date on which the Department was verbally notified. **If there are more than two discharge events during the monitoring period and/or if the space provided is insufficient to explain the discharge, please attach additional pages.**

4. If there are other violations of the permit, check the box next to "Other Permit Violations," and check the appropriate box that describes the violation type. If not identified on the form, check the box next to "Other" and provide a written explanation. **If the space provided is insufficient to explain the violation, please attach additional pages.**

5. Type your name and title and sign and date the form after reading the certification statement.

If you have questions about completing this form, contact the Clean Water Program Operations Section of the Department in your region:

Southeast Region – (484) 250-5970
Northeast Region – (570) 826-2553
Southcentral Region – (717) 705-4707
Northcentral Region – (570) 327-0532
Southwest Region – (412) 442-4060
Northwest Region – (814) 332-6942

****

Exhibit K

Notices of Violation

****

*** PWSID = 2080032 | SYSTEM NAME = ULSTER MUNICIPAL AUTHORITY ***
*** SystemType = COMMUNITY | DEP REGION - NORTHCENTRAL ***
*** eFACTS SiteID= 259906 ***

Violation Information for Federal Fiscal Years 2021 through 2025

Contaminant ID	Sample Point ID	Violation ID	Violation Type	Sample Type	Violation Awareness Date	Compliance Value	Enforcement Action 1	Enforcement Action 2	Enforcement Action 3	Enforcement Action 4	Enforcement Action 5	Enforcement Action 6	Fiscal Year
HALOACETIC ACIDS (HAA5)		14656	FAILURE TO MONITOR OR REPORT FOR THE D/DBP CONTAMINANT SPECIFIED		04/23/2025	.	NOTICE OF VIOLATION	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED				2025
TRIHALOMETHANES (TTHM)		14657	FAILURE TO MONITOR OR REPORT FOR THE D/DBP CONTAMINANT SPECIFIED		04/23/2025	.	NOTICE OF VIOLATION	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED				2025
HALOACETIC ACIDS (HAA5)		29626	FAILURE TO MONITOR OR REPORT FOR THE D/DBP CONTAMINANT SPECIFIED		10/22/2025	.	NOTICE OF VIOLATION	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED				2025
TRIHALOMETHANES (TTHM)		29627	FAILURE TO MONITOR OR REPORT FOR THE D/DBP CONTAMINANT SPECIFIED		10/22/2025	.	NOTICE OF VIOLATION	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED				2025
TURBIDITY	301	04253	FAILURE TO CORRECTLY REPORT IFE TURBIDITY EXCEEDANCE	PLANT	01/23/2024	.	NOTICE OF VIOLATION	PUBLIC NOTICE REQ	VIOLATION NOTICE	REPORTING ERROR	COMPLIANCE ACHIEVED		2024
CHLORINE		17207	FAILURE TO MONITOR OR REPORT FOR THE D/DBP CONTAMINANT SPECIFIED	DISTRIBUTION	03/24/2022	.	VIOLATION NOTICE	REPORT RECEIVED LATE	COMPLIANCE ACHIEVED				2022
CHLORINE		17208	FAILURE TO MONITOR OR REPORT CFE OR DISINFECTION RESIDUAL RESULTS	DISTRIBUTION	03/24/2022	.	VIOLATION NOTICE	REPORT RECEIVED LATE	COMPLIANCE ACHIEVED				2022
CHLORINE	101	17210	FAILURE TO MONITOR OR REPORT CFE OR DISINFECTION RESIDUAL RESULTS	ENTRY POINT	03/24/2022	.	VIOLATION NOTICE	REPORT RECEIVED LATE	COMPLIANCE ACHIEVED				2022
TURBIDITY	301	17211	FAILURE TO MONITOR OR REPORT CFE TURBIDITY RESULTS	PLANT	03/24/2022	.	VIOLATION NOTICE	REPORT RECEIVED LATE	COMPLIANCE ACHIEVED				2022
TURBIDITY	301	17212	FAILURE TO MONITOR OR REPORT IFE TURBIDITY RESULTS	PLANT	03/24/2022	.	VIOLATION NOTICE	REPORT RECEIVED LATE	COMPLIANCE ACHIEVED				2022
CHLORINE		17209	R3	DISTRIBUTION	03/24/2022	.	VIOLATION NOTICE	REPORT RECEIVED LATE	COMPLIANCE ACHIEVED				2022
CHLORINE		00238	FAILURE TO ISSUE TIER 3 PUBLIC NOTIFICATION	DISTRIBUTION	11/27/2020	.	COMPLIANCE ACHIEVED						2021

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Exhibit L

UMA CCRs

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3930-FM-BSDW0084 Rev. 1/2019

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

Consumer Confidence Report (CCR) Certification Form

Name of CWS: Ulster Municipal Authority **PWSID Number:** 2080032

The community water system (CWS) named above confirms that its CCR for the period of January 1, 2020 through December 31, 2020 has been distributed to customers (and appropriate notices of availability have been given). The system also confirms that the information in the CCR is correct and consistent with the compliance monitoring data previously submitted to the Pennsylvania Department of Environmental Protection (DEP).

Please check all items that apply to your CCR delivery.

- ☐ CCR was hand-delivered to customers. Date delivered: _____
- ☒ CCR was distributed by mail. Date mailed: 5-29-2021
- ☐ CCR was distributed by other direct delivery method(s). (check all that apply):
  - ☐ Mail notification that CCR is available on website via a direct uniform resource locator (URL)*
    Direct URL address: www._____ Date mailed: _____
  - ☐ E-mail – direct URL to CCR*
  - ☐ E-mail – CCR sent as an attachment to the e-mail*
  - ☐ E-mail – CCR sent embedded in the e-mail*

  } Date(s) email sent: _____

  * If the CCR was provided electronically, attach a description of how a customer requests a paper copy.
- ☒ "Good faith" efforts were used to reach non-bill paying consumers:
  - ☐ posting the CCR on the Internet at www._____
  - ☐ mailing the CCR to postal patrons within the service area (attach a list of zip codes used)
  - ☐ advertising the availability of the CCR in news media (attach copy of announcement)
  - ☐ publication of CCR in local newspaper (attach copy of newspaper announcement)
  - ☒ posting the CCR in public places (attach a list of locations) Dandy, Bishop Restaurant, Post office, Bishop Hardware, Fire Co. #
  - ☐ delivery of multiple copies to single bill addresses serving several persons
  - ☐ delivery to community organizations (attach a list)
  - ☐ electronic newsletter or listserv (attach a copy of the article or notice)
  - ☐ electronic announcement of CCR availability via social media outlets (attach list of outlets utilized)
- ☐ The CCR was posted on a publicly-accessible Internet site because this system serves 100,000 or more.
  Internet site address: www._____
- ☐ Delivered CCR to other agencies as required by the state/primacy agency (attach a list)
- ☒ A copy of the CCR and a completed CCR Certification Form have been sent to the DEP district office (or the Allegheny County Health Department) that provides oversight and support of this water system. (See back of form for addresses.) #

Certified by: Signature: Janette Holdren Print Name: Janette Holdren
Title: Secretary/Treasurer Phone: 570-358-3555 Date: 5-29-2021

For DEP use only. Checked by: _____ ***Date:*** _____

emailed 6/1/21

3930-FM-BSDW0113 Rev. 12/2018

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

2020 ANNUAL DRINKING WATER QUALITY REPORT

PWSID#: 2080032 **NAME: Ulster Municipal Authority**

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, ó hable con alguien que lo entienda. (This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.)

WATER SYSTEM INFORMATION:

This report shows our water quality and what it means. If you have any questions about this report or concerning your water utility, please contact Frank Walker at 607-857-7505. We want you to be informed about your water supply.

SOURCE(S) OF WATER:

Our water source(s) is/are: (Name-Type-Location)

Well #1 & Well #2 – Drilled wells – Located within the borough

A Source Water Assessment of our source(s) was completed by the PA Department of Environmental Protection (Pa. DEP). The Assessment has found that our source(s) of is/are potentially most susceptible to [insert potential Sources of Contamination listed in your Source Water Assessment Summary]. Overall, our source(s) has/have [little, moderate, high] risk of significant contamination. A summary report of the Assessment is available on the Source Water Assessment Summary Reports eLibrary web page: www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045. Complete reports were distributed to municipalities, water supplier, local planning agencies and PADEP offices. Copies of the complete report are available for review at the Pa. DEP Northcentral Regional Office, Records Management Unit at (570) 327-3636.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the *Safe Drinking Water Hotline* (800-426-4791).

Chemical Contaminants

Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Barium	2	2	0.029	-	ppm	04/18	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate	10	10	2.29	-	ppm	06/20	N	Runoff from fertilizer use: Leaching from septic tanks. Erosion of natural deposits
Haloacetic Acids	60	N/A	16.5	5.59 - 16.5	ppb	06/19	N	By-product of drinking water chlorination
Total Trihalomethanes	80	N/A	20.8	9.6 - 20.8	ppb	06/20	N	By-product of drinking water chlorination
Chlorine	MRDL =4	MRDLG =4	0.85	0.53 - 0.94	ppm	03/20	N	Water additive used to control Microbes

Entry Point Disinfectant Residual

Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	0.20	0.25	0.25 - 1.37	ppm	01/27/20	N	Water additive used to control microbes.

Lead and Copper

Contaminant	Action Level (AL)	MCLG	90th Percentile Value	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	10.2	ppb	0	N	Corrosion of household plumbing.
Copper	1.3	1.3	1.2	ppm	0	N	Corrosion of household plumbing.

Turbidity

Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0	0.025	05/22/20	N	Soil runoff
	TT= at least 95% of monthly samples≤0.3 NTU		0.025	05/22/20	N	

DETECTED CONTAMINANTS HEALTH EFFECTS LANGUAGE AND CORRECTIVE ACTIONS:

N/A

OTHER VIOLATIONS:

This past year we failed to submit on time our June chlorine residuals from our distribution system and our July, August, & September chlorine residuals from our entry point. The samples were collected on time but received late by DEP.

EDUCATIONAL INFORMATION:

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban stormwater run-off, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA and DEP prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA and DEP regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's *Safe Drinking Water Hotline* (800-426-4791).

Information about Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Ulster Municipal Authority is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the *Safe Drinking Water Hotline* or at *http://www.epa.gov/safewater/lead*.

OTHER INFORMATION:

N/A

Microbial (related to Assessments/Corrective Actions regarding TC positive results)					
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
Total Coliform Bacteria	Any system that has failed to complete all the required assessments **or** correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See detailed description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Naturally present in the environment.

Microbial (related to E. coli)					
Contaminants	**MCL**	**MCLG**	**Positive Sample(s)**	**Violation Y/N**	**Sources of Contamination**
E. coli	Routine and repeat samples are total coliform-positive **and** either is *E. coli*-positive **or** system fails to take repeat samples following *E. coli*-positive routine sample **or** system fails to analyze total coliform-positive repeat sample for *E. coli*.	0	0	N	Human and animal fecal waste.
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
E. coli	Any system that has failed to complete all the required assessments **or** correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Human and animal fecal waste.

Raw Source Water Microbial					
Contaminants	**MCLG**	**Total # of Positive Samples**	**Dates**	**Violation Y/N**	**Sources of Contamination**
E. coli	0	0	N/A	N	Human and animal fecal waste.

MONITORING YOUR WATER:

We routinely monitor for contaminants in your drinking water according to federal and state laws. The following tables show the results of our monitoring for the period of January 1 to December 31, 2018. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data is from prior years in accordance with the Safe Drinking Water Act. The date has been noted on the sampling results table.

DEFINITIONS:

Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Minimum Residual Disinfectant Level (MinRDL) - The minimum level of residual disinfectant required at the entry point to the distribution system.

Level 1 Assessment – A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment – A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Treatment Technique (TT) - A required process intended to reduce the level of a contaminant in drinking water.

Mrem/year = millirems per year (a measure of radiation absorbed by the body)

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pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

2021 ANNUAL DRINKING WATER QUALITY REPORT

PWSID#: 2080032 **NAME: Ulster Municipal Authority**

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, ó hable con alguien que lo entienda. (This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.)

WATER SYSTEM INFORMATION:

This report shows our water quality and what it means. If you have any questions about this report or concerning your water utility, please contact Frank Walker at 607-857-7505. We want you to be informed about your water supply.

SOURCE(S) OF WATER:

Our water source(s) is/are: (Name-Type-Location)

Well #1 & Well #2 – Drilled wells – Located within the borough

A Source Water Assessment of our source(s) was completed by the PA Department of Environmental Protection (Pa. DEP). The Assessment has found that our source(s) of is/are potentially most susceptible to [insert potential Sources of Contamination listed in your Source Water Assessment Summary]. Overall, our source(s) has/have [little, moderate, high] risk of significant contamination. A summary report of the Assessment is available on the Source Water Assessment Summary Reports eLibrary web page: www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045. Complete reports were distributed to municipalities, water supplier, local planning agencies and PADEP offices. Copies of the complete report are available for review at the Pa. DEP Northcentral Regional Office, Records Management Unit at (570) 327-3636.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the *Safe Drinking Water Hotline* (800-426-4791).

MONITORING YOUR WATER:

We routinely monitor for contaminants in your drinking water according to federal and state laws. The following tables show the results of our monitoring for the period of **January 1, 2021 to December 31, 2021**. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data is from prior years in accordance with the Safe Drinking Water Act. The date has been noted on the sampling results table.

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ppt = parts per trillion, or nanograms per liter

Chemical Contaminants

Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Barium	2	2	0.0345	-	ppm	04/21	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate	10	10	2.51	-	ppm	04/21	N	Runoff from fertilizer use: Leaching from septic tanks. Erosion of natural deposits
Haloacetic Acids	60	N/A	32.0	16.3 - 32.0	ppb	09/21	N	By-product of drinking water chlorination
Total Trihalomethanes	80	N/A	34.0	15.3 - 34.0	ppb	09/21	N	By-product of drinking water chlorination
Chlorine	MRDL =4	MRDLG =4	0.58	0.58 - 1.00	ppm	01/21	N	Water additive used to control Microbes

Entry Point Disinfectant Residual

Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	0.20	0.40	0.40 - 1.44	ppm	09/18/21	N	Water additive used to control microbes.

Lead and Copper

Contaminant	Action Level (AL)	MCLG	90th Percentile Value	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	10.2	ppb	0	N	Corrosion of household plumbing.
Copper	1.3	1.3	1.2	ppm	0	N	Corrosion of household plumbing.

Turbidity

Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0	0.037	06/13/21	N	Soil runoff
	TT= at least 95% of monthly samples≤0.3 NTU		0.037	06/13/21	N	

Microbial (related to Assessments/Corrective Actions regarding TC positive results)					
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
Total Coliform Bacteria	Any system that has failed to complete all the required assessments **or** correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See detailed description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Naturally present in the environment.

Microbial (related to E. coli)					
Contaminants	**MCL**	**MCLG**	**Positive Sample(s)**	**Violation Y/N**	**Sources of Contamination**
E. coli	Routine and repeat samples are total coliform-positive **and** either is *E. coli*-positive **or** system fails to take repeat samples following *E. coli*-positive routine sample **or** system fails to analyze total coliform-positive repeat sample for *E. coli.*	0	0	N	Human and animal fecal waste.
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
E. coli	Any system that has failed to complete all the required assessments **or** correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Human and animal fecal waste.

Raw Source Water Microbial					
Contaminants	**MCLG**	**Total # of Positive Samples**	**Dates**	**Violation Y/N**	**Sources of Contamination**
E. coli	0	0	N/A	N	Human and animal fecal waste.

DETECTED CONTAMINANTS HEALTH EFFECTS LANGUAGE AND CORRECTIVE ACTIONS:

N/A

OTHER VIOLATIONS:

No monitoring and reporting violations

EDUCATIONAL INFORMATION:

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

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OTHER INFORMATION:

N/A

pennsylvania
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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

2022 ANNUAL DRINKING WATER QUALITY REPORT

PWSID#: 2080032 **NAME: Ulster Municipal Authority**

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Level 2 Assessment – A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

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Mrem/year = millirems per year (a measure of radiation absorbed by the body)

pCi/L = picocuries per liter (a measure of radioactivity)

ppb = parts per billion, or micrograms per liter (µg/L)

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ppq = parts per quadrillion, or picograms per liter

ppt = parts per trillion, or nanograms per liter

Chemical Contaminants

Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Barium	2	2	0.0345	-	ppm	04/21	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate	10	10	2.93	-	ppm	08/22	N	Runoff from fertilizer use: Leaching from septic tanks. Erosion of natural deposits
Haloacetic Acids	60	N/A	22.1	11.7 - 22.1	ppb	12/22	N	By-product of drinking water chlorination
Total Trihalomethanes	80	N/A	22.9	9.33 - 22.9	ppb	09/22	N	By-product of drinking water chlorination
Chlorine	MRDL =4	MRDLG =4	0.68	0.68 - 0.88	ppm	12/22	N	Water additive used to control Microbes

Entry Point Disinfectant Residual

Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	0.20	0.40	0.40 - 2.07	ppm	03/26/22	N	Water additive used to control microbes.

Lead and Copper

Contaminant	Action Level (AL)	MCLG	90th Percentile Value	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	7.49	ppb	0	N	Corrosion of household plumbing.
Copper	1.3	1.3	1.0	ppm	0	N	Corrosion of household plumbing.

Turbidity

Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0	0.021	01/11/22	N	Soil runoff
	TT= at least 95% of monthly samples≤0.3 NTU		0.021	01/11/22	N	

Microbial (related to Assessments/Corrective Actions regarding TC positive results)					
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
Total Coliform Bacteria	Any system that has failed to complete all the required assessments **or** correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See detailed description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Naturally present in the environment.

Microbial (related to E. coli)					
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E. coli	Routine and repeat samples are total coliform-positive **and** either is *E. coli*-positive **or** system fails to take repeat samples following *E. coli*-positive routine sample **or** system fails to analyze total coliform-positive repeat sample for *E. coli.*	0	0	N	Human and animal fecal waste.
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
E. coli	Any system that has failed to complete all the required assessments **or** correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Human and animal fecal waste.

Raw Source Water Microbial					
Contaminants	**MCLG**	**Total # of Positive Samples**	**Dates**	**Violation Y/N**	**Sources of Contamination**
E. coli	0	0	N/A	N	Human and animal fecal waste.

DETECTED CONTAMINANTS HEALTH EFFECTS LANGUAGE AND CORRECTIVE ACTIONS:

N/A

OTHER VIOLATIONS:

February reporting for entry point chlorine, distribution chlorine, and treatment plant tubidity were submitted to DEP late. The samples were done on time and showed no issues.

EDUCATIONAL INFORMATION:

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

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Well #1 & Well #2 – Drilled wells – Located within the borough

A Source Water Assessment of our source(s) was completed by the PA Department of Environmental Protection (Pa. DEP). The Assessment has found that our source(s) of is/are potentially most susceptible to [insert potential Sources of Contamination listed in your Source Water Assessment Summary]. Overall, our source(s) has/have [little, moderate, high] risk of significant contamination. A summary report of the Assessment is available on the Source Water Assessment Summary Reports eLibrary web page: www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045. Complete reports were distributed to municipalities, water supplier, local planning agencies and PADEP offices. Copies of the complete report are available for review at the Pa. DEP Northcentral Regional Office, Records Management Unit at (570) 327-3636.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the *Safe Drinking Water Hotline* (800-426-4791).

MONITORING YOUR WATER:

We routinely monitor for contaminants in your drinking water according to federal and state laws. The following tables show the results of our monitoring for the period of **January 1, 2021 to December 31, 2023**. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data is from prior years in accordance with the Safe Drinking Water Act. The date has been noted on the sampling results table.

DEFINITIONS:

Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Minimum Residual Disinfectant Level (MinRDL) - The minimum level of residual disinfectant required at the entry point to the distribution system.

Level 1 Assessment – A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment – A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Treatment Technique (TT) - A required process intended to reduce the level of a contaminant in drinking water.

Mrem/year = millirems per year (a measure of radiation absorbed by the body)

pCi/L = picocuries per liter (a measure of radioactivity)

ppb = parts per billion, or micrograms per liter (µg/L)

ppm = parts per million, or milligrams per liter (mg/L)

ppq = parts per quadrillion, or picograms per liter

ppt = parts per trillion, or nanograms per liter

Chemical Contaminants

Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Barium	2	2	0.0345	-	ppm	04/21	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate	10	10	2.83	-	ppm	06/23	N	Runoff from fertilizer use: Leaching from septic tanks. Erosion of natural deposits
Haloacetic Acids	60	N/A	12.2	0.00 - 12.2	ppb	03/23	N	By-product of drinking water chlorination
Total Trihalomethanes	80	N/A	21.1	0.52 - 21.1	ppb	12/23	N	By-product of drinking water chlorination
Chlorine	MRDL =4	MRDLG =4	0.72	0.72 - 1.01	ppm	02/23	N	Water additive used to control Microbes

Entry Point Disinfectant Residual

Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	0.20	0.40	0.40 - 1.40	ppm	10/02/23	N	Water additive used to control microbes.

Lead and Copper

Contaminant	Action Level (AL)	MCLG	90th Percentile Value	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	7.49	ppb	1	N	Corrosion of household plumbing.
Copper	1.3	1.3	1.0	ppm	1	N	Corrosion of household plumbing.

Turbidity

Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0	0.016	01/05/23	N	Soil runoff
	TT= at least 95% of monthly samples≤0.3 NTU		0.016	01/05/23	N	

Microbial (related to Assessments/Corrective Actions regarding TC positive results)					
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
Total Coliform Bacteria	Any system that has failed to complete all the required assessments **or** correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See detailed description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Naturally present in the environment.

Microbial (related to E. coli)					
Contaminants	**MCL**	**MCLG**	**Positive Sample(s)**	**Violation Y/N**	**Sources of Contamination**
E. coli	Routine and repeat samples are total coliform-positive **and** either is *E. coli*-positive **or** system fails to take repeat samples following *E. coli*-positive routine sample **or** system fails to analyze total coliform-positive repeat sample for *E. coli.*	0	0	N	Human and animal fecal waste.
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
E. coli	Any system that has failed to complete all the required assessments **or** correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Human and animal fecal waste.

Raw Source Water Microbial					
Contaminants	**MCLG**	**Total # of Positive Samples**	**Dates**	**Violation Y/N**	**Sources of Contamination**
E. coli	0	0	N/A	N	Human and animal fecal waste.

DETECTED CONTAMINANTS HEALTH EFFECTS LANGUAGE AND CORRECTIVE ACTIONS:

N/A

OTHER VIOLATIONS:

No monitoring/reporting violations for calendar year 2023

EDUCATIONAL INFORMATION:

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban stormwater run-off, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA and DEP prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA and DEP regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's *Safe Drinking Water Hotline* (800-426-4791).

Information about Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Ulster Municipal Authority is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the *Safe Drinking Water Hotline* or at *http://www.epa.gov/safewater/lead.*

OTHER INFORMATION:

N/A

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

2024 ANNUAL DRINKING WATER QUALITY REPORT

PWSID#: 2080032 **NAME: Ulster Municipal Authority**

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, ó hable con alguien que lo entienda. (This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.)

WATER SYSTEM INFORMATION:

This report shows our water quality and what it means. If you have any questions about this report or concerning your water utility, please contact Frank Walker at 607-857-7505. We want you to be informed about your water supply.

SOURCE(S) OF WATER:

Our water source(s) is/are: (Name-Type-Location)

Well #1 & Well #2 – Drilled wells – Located within the borough

A Source Water Assessment of our source(s) was completed by the PA Department of Environmental Protection (Pa. DEP). The Assessment has found that our source(s) of is/are potentially most susceptible to [insert potential Sources of Contamination listed in your Source Water Assessment Summary]. Overall, our source(s) has/have [little, moderate, high] risk of significant contamination. A summary report of the Assessment is available on the Source Water Assessment Summary Reports eLibrary web page: www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045. Complete reports were distributed to municipalities, water supplier, local planning agencies and PADEP offices. Copies of the complete report are available for review at the Pa. DEP Northcentral Regional Office, Records Management Unit at (570) 327-3636.

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We routinely monitor for contaminants in your drinking water according to federal and state laws. The following tables show the results of our monitoring for the period of **January 1, 2024 to December 31, 2024**. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data is from prior years in accordance with the Safe Drinking Water Act. The date has been noted on the sampling results table.

DEFINITIONS:

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Treatment Technique (TT) - A required process intended to reduce the level of a contaminant in drinking water.

Mrem/year = millirems per year (a measure of radiation absorbed by the body)

pCi/L = picocuries per liter (a measure of radioactivity)

ppb = parts per billion, or micrograms per liter (µg/L)

ppm = parts per million, or milligrams per liter (mg/L)

ppq = parts per quadrillion, or picograms per liter

ppt = parts per trillion, or nanograms per liter

Chemical Contaminants

Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Barium	2	2	0.028	-	ppm	04/24	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate	10	10	2.77	-	ppm	04/24	N	Runoff from fertilizer use: Leaching from septic tanks. Erosion of natural deposits
Haloacetic Acids	60	N/A	7.9	0.00 - 7.9	ppb	12/24	N	By-product of drinking water chlorination
Total Trihalomethanes	80	N/A	16.1	13.6 - 16.1	ppb	03/24	N	By-product of drinking water chlorination
Chlorine	MRDL =4	MRDLG =4	1.33	0.62 - 1.33	ppm	03/24	N	Water additive used to control Microbes

Entry Point Disinfectant Residual

Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	0.20	0.43	0.43 - 1.60	ppm	11/21/24	N	Water additive used to control microbes.

Lead and Copper

Contaminant	Action Level (AL)	MCLG	90th Percentile Value	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	3.61	ppb	0	N	Corrosion of household plumbing.
Copper	1.3	1.3	0.79	ppm	2	N	Corrosion of household plumbing.

Turbidity

Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0	0.012	02/21/24	N	Soil runoff
	TT= at least 95% of monthly samples≤0.3 NTU		0.012	02/21/24	N	

Microbial (related to Assessments/Corrective Actions regarding TC positive results)					
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
Total Coliform Bacteria	Any system that has failed to complete all the required assessments **or** correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See detailed description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Naturally present in the environment.

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E. coli	Routine and repeat samples are total coliform-positive **and** either is *E. coli*-positive **or** system fails to take repeat samples following *E. coli*-positive routine sample **or** system fails to analyze total coliform-positive repeat sample for *E. coli.*	0	0	N	Human and animal fecal waste.
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
E. coli	Any system that has failed to complete all the required assessments **or** correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Human and animal fecal waste.

Raw Source Water Microbial					
Contaminants	**MCLG**	**Total # of Positive Samples**	**Dates**	**Violation Y/N**	**Sources of Contamination**
E. coli	0	0	N/A	N	Human and animal fecal waste.

DETECTED CONTAMINANTS HEALTH EFFECTS LANGUAGE AND CORRECTIVE ACTIONS:

N/A

OTHER VIOLATIONS:

No monitoring/reporting violations for calendar year 2024

EDUCATIONAL INFORMATION:

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

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OTHER INFORMATION:

N/A

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Exhibit M

UMA Chapter 110 Report

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pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHAPTER 110 WATER USE REPORTS
WATER USE BY WATER SUPPLIER

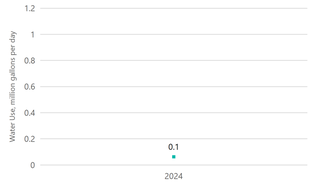
12/9/2025 10:05:42 AM

View Instructions/Data Dictionary (pdf)

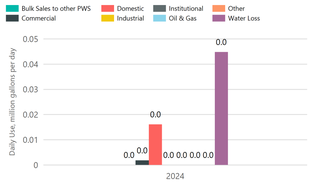
SF Status: All
Primary Facility Name: ULSTER MUNI AUTH - 275372
Report Year: 2024
County: 08 - Bradford

Plots of Selected Data:

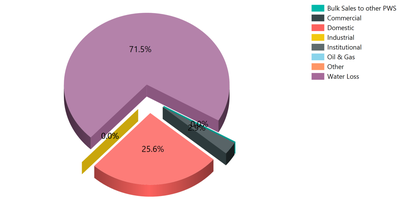
Plot 1 - Total Daily Water Use



Plot 2 - Daily Water Use by Category



Plot 3 - Percentage of Water Use by Category



Average Daily Water Distribution

ACTIVE INDICATOR	PUBLIC WATER SUPPLY ID	WUDS PRIMARY FACILITY ID	eFACTS PRIMARY FACILITY ID	PRIMARY FACILITY	PRIMARY FACILITY DESIGNATION	COUNTY	REPORT YEAR	PEAK WATER USE DATE	PEAK DAY WATER USE (GALLONS)	MINIMUM WATER USE DATE	MINIMUM DAY WATER USE (GALLONS)	POPULATION SERVED	DISTRIBUTION TYPE	METERED CONNECTION	AVERAGE WATER USE (GPD)	NUMBER OF CONNECTIONS	AVERAGE METER AGE (YEARS)	NEW METERS (Y/N)	ADD METERS (Y/N)	METER REPLACEMENT PROGRAM (Y/N)	REPLACED METER COUNT	CONSERVATION INFORMATION PROVIDED (Y/N)	NEW PIPE EXTENSION DETAILS	FLUSHING FREQUENCY	HYDRANTS WORKED (Y/N)	VALVES WORKED (Y/N)	ACTIVE LEAK DETECTION (Y/N)	LEAK DETECTION DETAILS	CROSS CONNECTION CONTROL PROGRAM (Y/N)	INADEQUATE PRESSURE (Y/N)	INADEQUATE PRESSURE DETAILS
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Institutional	Y	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Oil & Gas	Y	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Bulk Sales to other PWS	N	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Institutional	N	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Oil & Gas	N	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Commercial	N	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Other	N	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Industrial	Y	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Other	Y	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHAPTER 110 WATER USE REPORTS
WATER USE BY WATER SUPPLIER

12/9/2025 10:05:42 AM

ACTIVE INDICATOR	PUBLIC WATER SUPPLY ID	WUDS PRIMARY FACILITY ID	eFACTS PRIMARY FACILITY ID	PRIMARY FACILITY	PRIMARY FACILITY DESIGNATION	COUNTY	REPORT YEAR	PEAK WATER USE DATE	PEAK DAY WATER USE (GALLONS)	MINIMUM WATER USE DATE	MINIMIM DAY WATER USE (GALLONS)	POPULATION SERVED	DISTRIBUTION TYPE	METERED CONNECTION	AVERAGE WATER USE (GPD)	NUMBER OF CONNECTIONS	AVERAGE METER AGE (YEARS)	NEW METERS (Y/N)	ADD METERS (Y/N)	METER REPLACEMENT PROGRAM (Y/N)	REPLACED METER COUNT	CONSERVATION INFORMATION PROVIDED (Y/N)	NEW PIPE EXTENSION DETAILS	FLUSHING FREQUENCY	HYDRANTS WORKED (Y/N)	VALVES WORKED (Y/N)	ACTIVE LEAK DETECTION (Y/N)	LEAK DETECTION DETAILS	CROSS CONNECTION CONTROL PROGRAM (Y/N)	INADEQUATE PRESSURE (Y/N)	INADEQUATE PRESSURE DETAILS
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Commercial	Y	1789	15	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Industrial	N	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Bulk Sales to other PWS	Y	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Water Loss	N	44780	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Domestic	N	0	0	9	Y	N	N	6	N		1	Y	Y	N		N	N	
Active	2080032	18868	275372	ULSTER MUNI AUTH	Authority	Bradford	2024	5/19/2024	126937	7/4/2024	40206	500	Domestic	Y	16048	184	9	Y	N	N	6	N		1	Y	Y	N		N	N	

Number of Connections by County/Municipality

WUDS PRIMARY FACILITY ID	REPORT YEAR	MUNICIPALITY	COUNTY	DOMESTIC CONNECTIONS	COMMERCIAL CONNECTIONS	INDUSTRIAL CONNECTIONS	INSTITUTIONAL CONNECTIONS	OIL AND GAS CONNECTIONS	OTHER CONNECTIONS	MULTI UNIT CONNECTIONS	MULTI UNIT NUMBER OF UNITS
18868	2024	Ulster Township	Bradford	184	15	0	0	0	0	0	0

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Exhibit N

Free Service Notice

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ULSTER MUNICIPAL AUTHORITY
60 UNION LANE, PO BOX 157
ULSTER, PA 18850
570-358-3555 Fax: 570-358-3556

January 20, 2026

Ulster Township Supervisors
23849 Route 220
Ulster, PA 18850

Dear Ulster Township Supervisors,

The Ulster Water Authority and Aqua Pennsylvania, Inc. have an agreement which allows Aqua to purchase the Ulster Water Authority system. This letter serves as notice that upon the closing with Aqua there will no longer be any free water service per PUC regulations. This includes a monthly tariff fee for public fire hydrants.

If you have any questions, please contact Tom Rafferty at Aqua. His number is 215-205-0800.

Sincerely,
Janette Holdren
Janette Holdren
Secretary/Treasurer

ULSTER MUNICIPAL AUTHORITY
60 UNION LANE, PO BOX 157
ULSTER, PA 18850
570-358-3555 Fax: 570-358-3556

January 20, 2026

Ulster-Sheshequin Fire Association
PO Box 85
Ulster, PA 18850

Dear Ulster-Sheshequin Fire Association,

The Ulster Water Authority and Aqua Pennsylvania, Inc. have an agreement which allows Aqua to purchase the Ulster Water Authority system. This letter serves as notice that upon the closing with Aqua there will no longer be any free water service per PUC regulations. This means that the one meter that has been read but not billed will start to be billed at the time of closing.

If you have any questions, please contact Tom Rafferty at Aqua. His number is 215-205-0800.

Sincerely,

Janette Holdren

Janette Holdren
Secretary/Treasurer

****

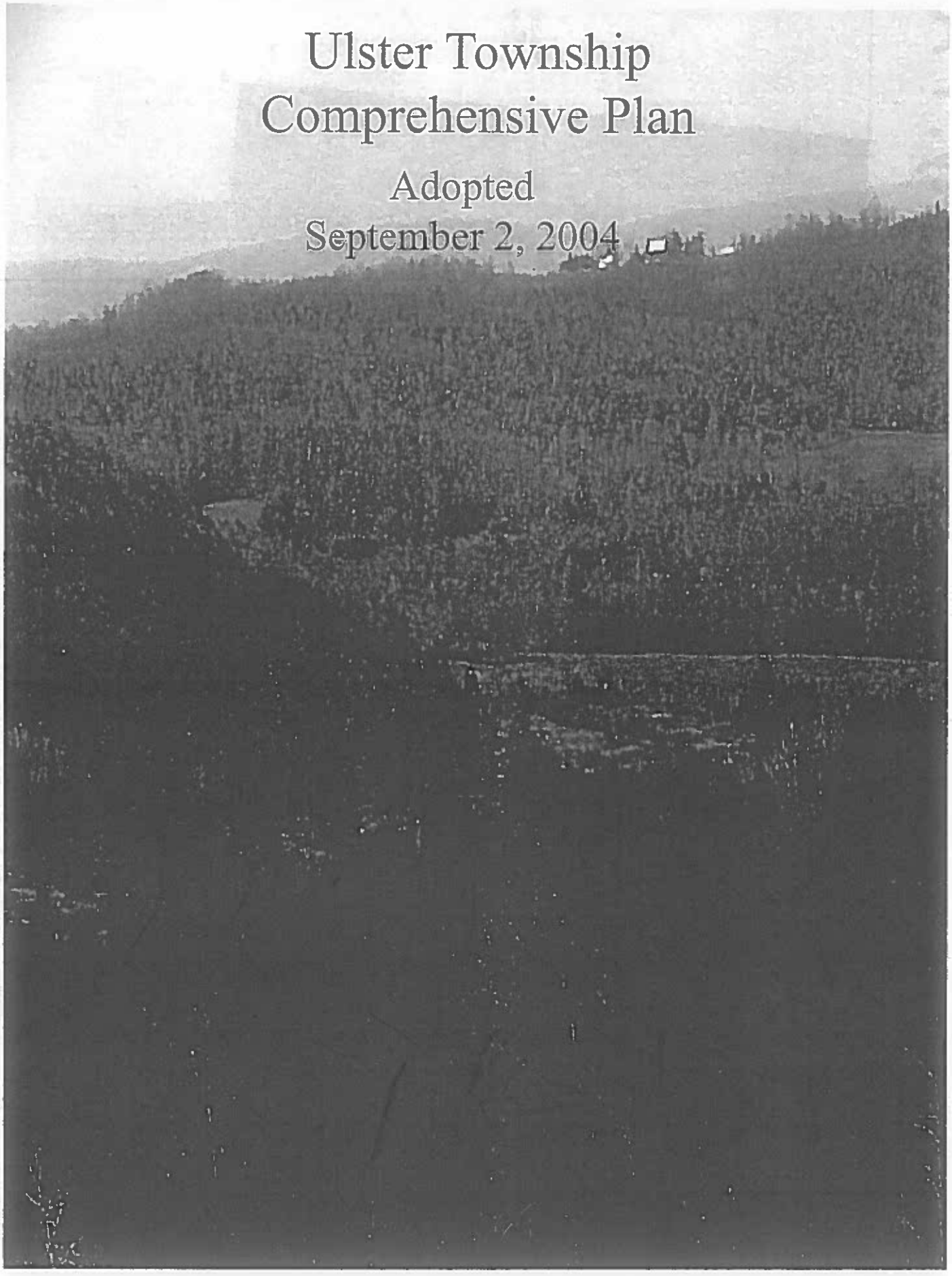
Exhibit O

Ulster Comprehensive Plan

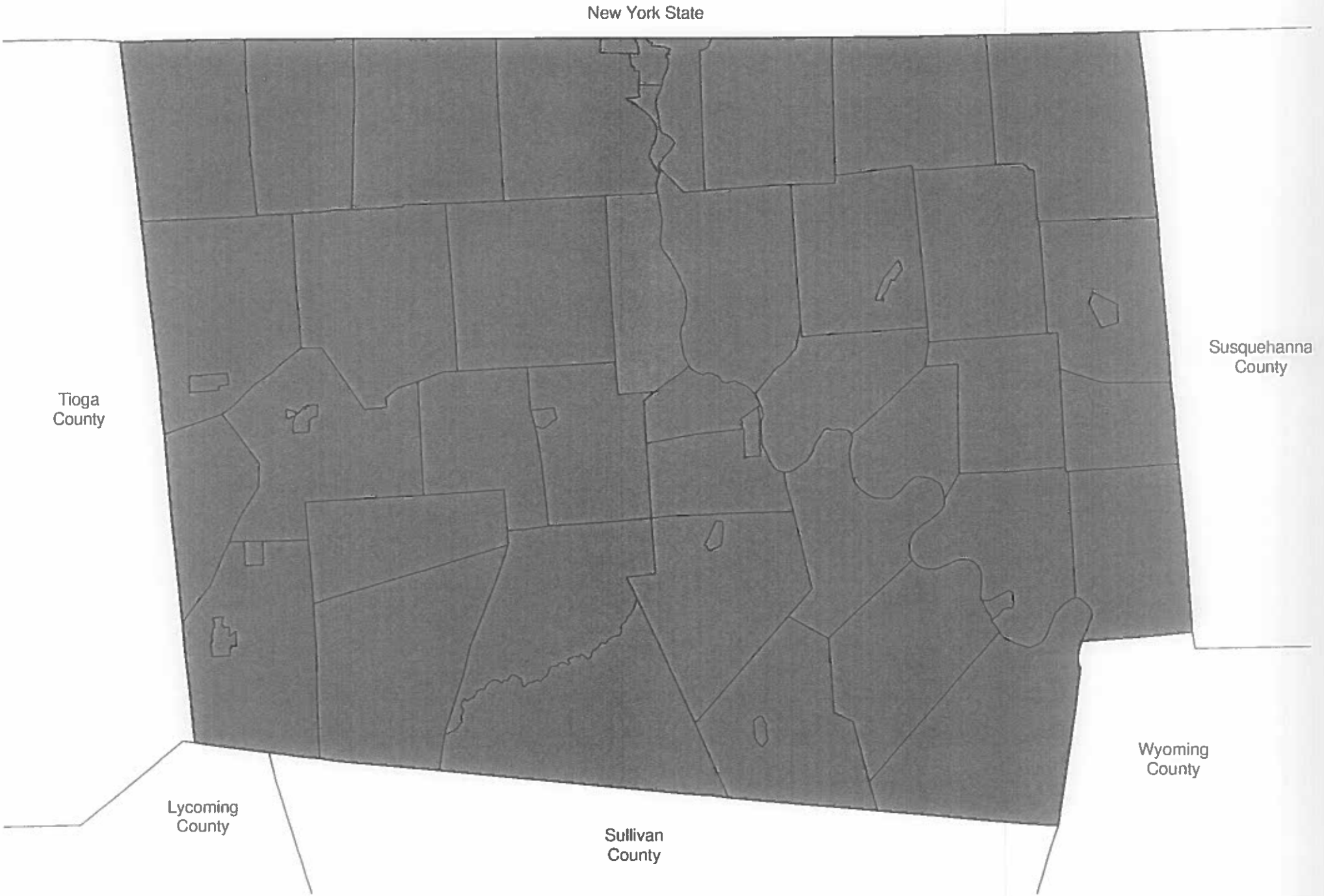
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Ulster Township
Comprehensive Plan

Adopted
September 2, 2004



Ulster Township in Bradford County, PA

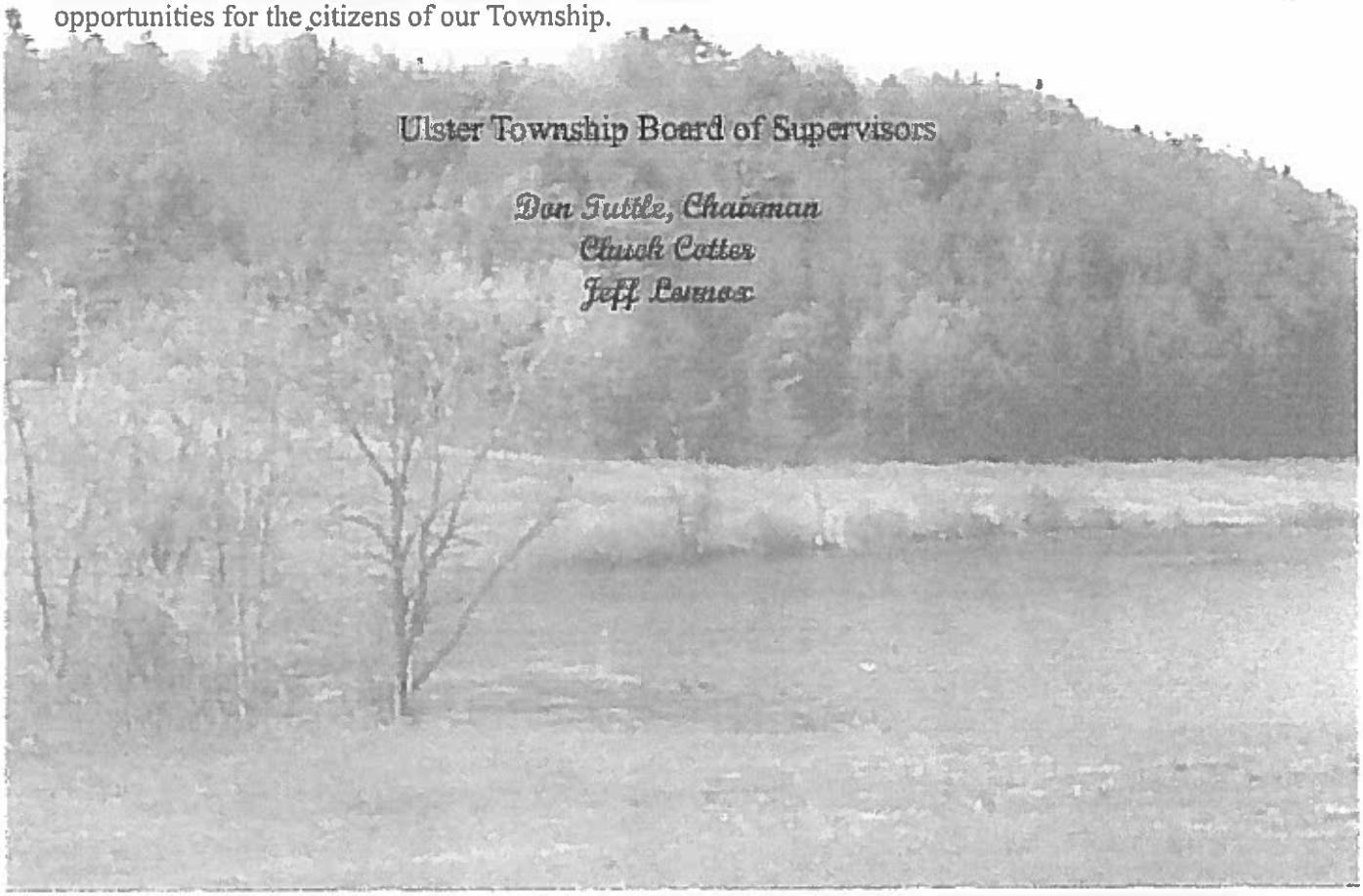


To the Citizens of Ulster Township:

This Comprehensive Plan is a timely accomplishment as we move ahead in the new century. With this document and the planning process that created it, we have defined for ourselves a collective vision for Ulster's future—a vision that integrates our rural character with sound community development, a healthy economy, and coordinated public and private resource management in order to sustain and enhance our quality of life.

This Plan outlines an approach that will enable us to achieve our vision. The policies of the Comprehensive Plan provide a guide for evaluating daily decisions made at County and local levels. The action items detail the tasks to be carried out by Ulster Township and its many community partners.

The Implementation Strategies will be our first area of focus. The strategies will focus our efforts on building Ulster's capacity to manage and catalyze future growth and development, while protecting the rural character that defines our township landscape. We hope that you will find the Comprehensive Plan to be visionary and inspiring. As we look to the future with great anticipation, we believe it will be filled with many opportunities for the citizens of our Township.



Preface
The Role and Purpose of Comprehensive Planning

The Comprehensive Plan is a policy guide for the future development of Ulster Township. The Pennsylvania Municipalities Planning Code (MPC), Act 247 of 1968, as renacted and amended, requires the Comprehensive Plan to consider many factors that influence a community, such as location, character and timing of future development and events.

The Comprehensive Plan evaluates existing land use, transportation systems, housing, community facilities and services, and natural and cultural resources of Ulster Township; primarily, within the Township boundaries but also in the context of the broader region, where relevant. The Plan projects future growth trends based on these analyses and proposes the best possible land use and implementation tools to accommodate expected growth while protecting the Township's vast and precious resources.



The Pennsylvania Municipalities Planning Code, Act of 1968, P.L. 805, No. 247, as reenacted and amended empowers local municipalities including County governments...

...to plan for their physical development.

...to develop a "blueprint" for housing, transportation community facilities and utilities, and for land use.

...to establish community development goals and objectives that guide future growth and development

What the Comprehensive Plan does :

•Focuses on current trends and issues in Ulster Township and addresses these with innovative solution
•Provides the best possible projection on future conditions based on current patterns and strategies to create a more desirable and sustainable future
•Directs future change through a vision of community potential
•Establishes the framework for consistency between future land use policies and land use regulatory measures
•Assists Township, County, and State officials in their decision making processes

What the Comprehensive Plan does not do :

• Does not affect regulations of individual properties
• Does not determine land development, neither public nor private
• Does not preclude future analysis or decision making

Ninety years ago, Frederick Law Olmstead, Jr., renowned designer/planner of several communities, in Pennsylvania, including the first planned industrial town designed to be sold to its workers, urged municipalities to "...create or aquire statistical databases on the physical, social, economic and financial environment; compile information on relevant legal and administrative matters and draw up accurate topographical maps." To this end, a comprehensive plan entails such an inventory and makes recommendations regarding policies designed to guide future development therby avoiding costly unwise development. Olmstead also noted that "prevention is cheaper than the cure."

FAQ - Frequently Asked Questions

Why does Ulster Township have a Comprehensive Plan?

As the pace of change in northeastern Pennsylvania continues, public policy must be reviewed. This plan will provide relevant goals and strategies, and introduce new methods to guide the future character and development of Ulster Township.

How will the plan be used?

Local officials, citizen volunteers, landowners and developers to evaluate proposed changes to the plans vision and goals will use the plan.

Who is in charge of making this plan work?

While the Board of Supervisors and the planning commission will implement this plan, public support for the vision and recommendations will be most important. The public includes residents, business owners, and organizations with a direct interest in the future of Ulster. With the support from the public, these officials and community leaders can make the recommended changes to the way community development and improvement is guided.

Does this plan protect the Township's natural areas and open space?

The Pennsylvania Municipalities Planning Code ensures that Natural and Historical resources are planned for protection in the Comprehensive Plan. A Comprehensive Plan can identify the measures that can be taken to preserve natural areas and open space

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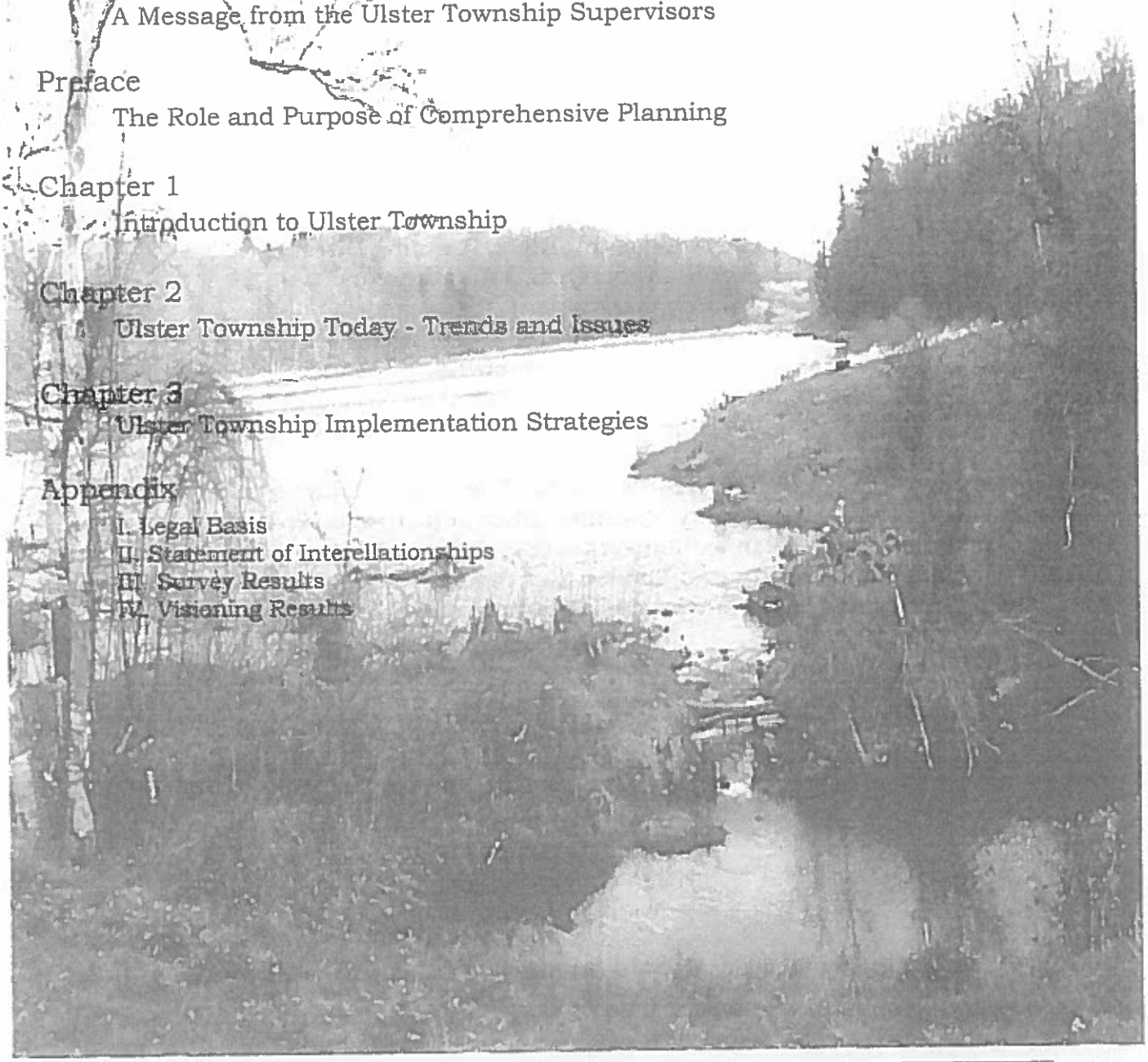
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Acknowledgements

The preparation of this Community Comprehensive Plan was financed in part through a Community Development Block Grant administered by the Bradford County Office of Community Planning and Grants on behalf of the Bradford County

Board of Commissioners
Nancy Schrader, Chairman
Janet Lewis
Douglas McLinko
John Sullivan, Former Commissioner

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The Bradford County Office of Community Planning and Grants

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Aaron G. Lankford, Planner
Robyn D'Anna, Grants Coordinator
Stephen J. Polzella, Comprehensive Planner
Scott Molnar, Housing Rehabilitation Assistant
Brenda Sue Strickland, Administrative Assistant

The Community Comprehensive Plan for Ulster Township exhibits a collaborative effort between local government, county Planning Office and citizens envisioning the future of their community. The plan exhibits statistics, mapping, and public input that reinforce the document as a community policy that protects natural and historic resources while encouraging development and placement of vital community resources.

Ulster Township Planning Commission

Franklin Walker
Jack Troutwine
Diane Ackerman
Helen Harschbarger
Andrew Bishop

This Document is dedicated to the Memory of Don Carpenter for his many years of service to Ulster Township

Ulster Township

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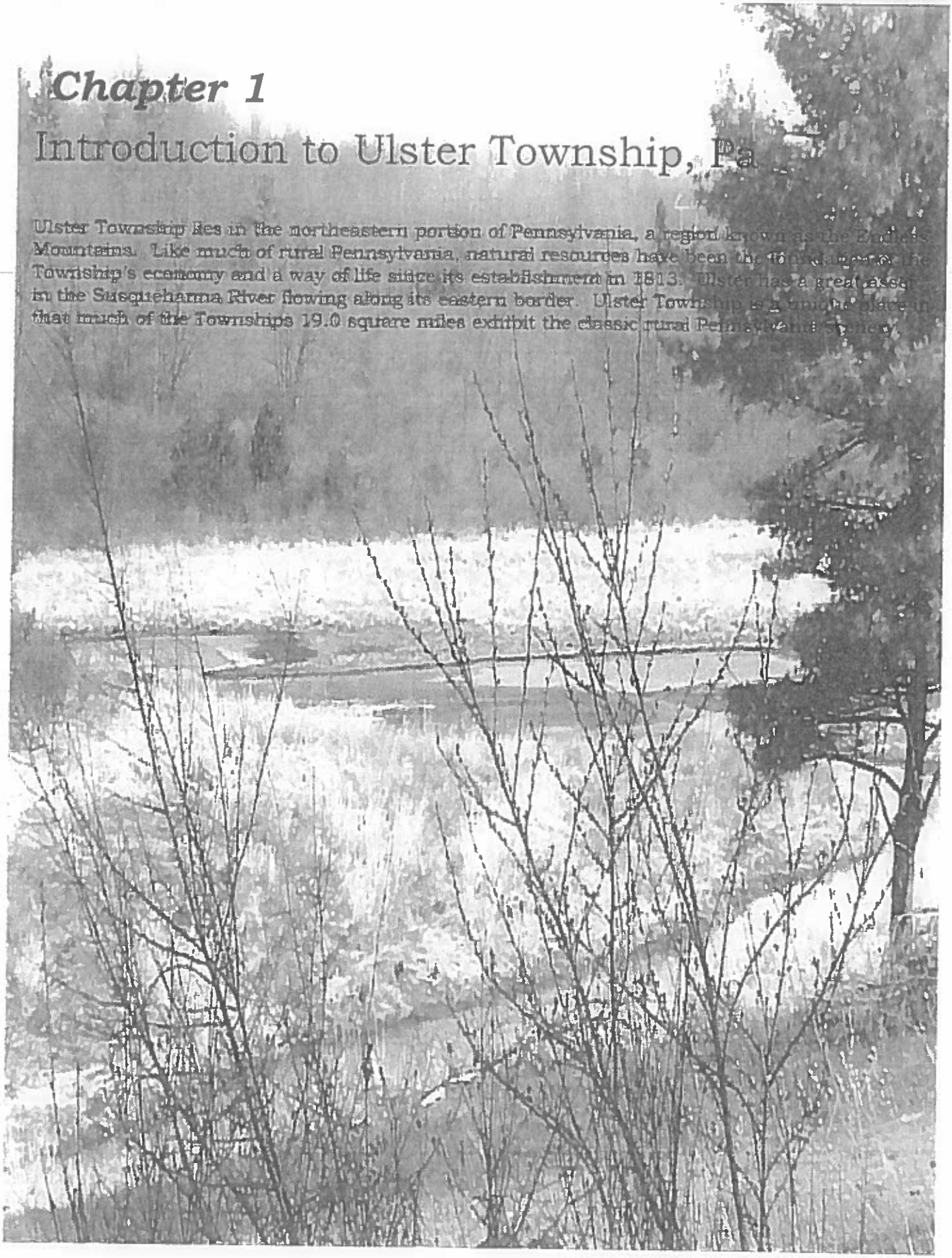
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Chapter 1

Introduction to Ulster Township, Pa

Ulster Township lies in the northeastern portion of Pennsylvania, a region known as the Endless Mountains. Like much of rural Pennsylvania, natural resources have been the foundation for the Township's economy and a way of life since its establishment in 1813. Ulster has a great asset in the Susquehanna River flowing along its eastern border. Ulster Township is a unique place in that much of the Townships 19.0 square miles exhibit the classic rural Pennsylvania scenery.



History

An excerpt from the History of Bradford County, Mr. David Craft

What is now known as Ulster was originally called Sheshequin. It was the site of an Indian town built after the Pontiac war, at which the Moravians established a mission on the solicitation of some of the native inhabitants, who had belonged to Brainerd's congregations on the Delaware. The name Sheshequin, however, was not confined to the Indian town, but was applied to the whole district claimed by the inhabitants of the village, which included the meadows on Queen Ester's flats and on the east side of the river. When Gen. Spalding first settled in what is now called Sheshequin, he gave that name to his settlement, and for many years the two places were each called Sheshequin; and to distinguish one from the other, that on the west side of the river was named Old Sheshequin, and that on the east side New Sheshequin. The New Sheshequin becoming much the more important place, at length threw off the qualifying term, and became simply Sheshequin, while Old Sheshequin, after much discussion, and several different names having been proposed, at length took the name of both the Connecticut and Pennsylvania township, and, by the general acquiescence of the inhabitants, has retained the name which was assigned to it. It is only one of many examples of the strange way in which old names become transferred to new places, while the other place assumes some new name without historic significance or local value.

The present township known by this name is but a very small remnant of the one first organized as Ulster. The original township was about five miles from north to south, and about eighty from east to west; present Ulster is a trifle greater distance from north to south and not more than three miles from east to west. It is bounded by the Susquehanna on the east, North Towanda on the south, Smithfield on the west and Athens on the north. Along the river are the plains usually found along the river, broken by high land between Ulster and Milan, and terminated on the south by thee Ulster Mountain. West of the river the land rises to a considerable height, Moore's hill being among the highest points of land in the county. The hills, though high, are not steep and are susceptible of cultivation to their very summits and good crops are raised by the thrifty farmers whose farms cover their rugged sides.

Ulster takes its name from the Susquehanna company's town, of which is a part. An account of this town and the papers connected with it, although covering part of Sheshequin, are best understood by being taken together and seemed most appropriately to belong to that part of the old town, which has preserved the name. Ulster was originally granted by the committee of the Susquehanna company to Asahel Buck and others in 1775; *but, no survey nor allotment being made, it was superseded by another grant, made Sept. 12, 1785, which was itself superseded by a third grant dated July 23, 1786, and surveyed and allotted in the fall of the same year and described as follows: Beginning on the west side of the Susquehanna river, opposite the head of an island, about three-fourths of a mile below the junction of the Tioga and Susquehanna; thence west two miles to a corner; thence south five miles; thence east five miles; thence north five miles; thence west three miles to the place beginning.

In order to obtain more accurate knowledge of the history of the township, Judge Gore and Elijah Buck, then of Buckville, N.Y., made the following deposition:

September 2, 1802

"Before me, Thomas Cooper, Esq., one of the commissioners under the act passed April 4, 1799, entitled 'An act for offering compensation to the Pennsylvania claimants of lands within the seventeen townships of Luzerne County' etc., personally appeared Obadiah Gore, Esq., associate judge of the court of common pleas, of the said county, and Elijah Buck, Esq., of Tioga County of the state of New York, who, upon their oaths, do swear, depose and say that on the 28th of August 1775, on the application of persons (proprietors in what was called the Susquehanna Company), whose names are mentioned in document A and B, hereto annexed, a grant was regularly made, according to the rules and regulations of the Susquehanna Company, for a township containing twenty-five square miles, called Ulster, located on the west side of the northeast branch of the river Susquehanna. A true copy is hereto annexed, marked G.

That the war breaking out soon after with the British and Indians, no effectual settlement was made in the said township under the said grant of 1775, the generality of the proprietors and settlers, claimants under the said grant of 1775, being called the common defense of Wyoming and the neighborhood, or having joined the army of the United States.

That on the close of the war and during the fall of 1784 and the spring of 1785, these deponents, with upwards of thirty other persons, settled and resident within the township of Ulster, as located in the said grant of 1775, and being weary with the contest with Pennsylvania respecting the Susquehanna Company's claim and desirous of living in peace and conformably with the laws of the State in which they were placed by the decision of Trenton, they, with the generally of the proprietors and settlers, were and have continued supported of the jurisdiction of Pennsylvania.

That the sentiments of the undersigned deponents and other settlers in the old town of Ulster being commonly known, they were violently opposed on many occasions and their interests thwarted by many leading proprietors in the Susquehanna Company, then and now resident in Luzerne County, and who were and have continued universally hostile to the pretensions of Pennsylvania, in respect to the Susquehanna purchase, and opposers of any plan of compromise hitherto held out under the authority of the State.

That being overpowered by the numbers of their opponents in the Susquehanna purchase, and unwilling to embark in any further contention and dispute, the undersigned, with other settlers of the old town of Ulster, acquiesced in the claims of an interfering township laid out by and under the patronage of their opponents, of the description aforesaid, under the name of Athens, still existing and settled as a half-share township and not recognized as one of the seventeen townships of the county of Luzerne under the act of April 4, 1799, and the supplements, in lieu of the old town of Ulster, which was entirely on the west side of the river, northeast branch of Susquehanna. These deponents and other claimant acquiesced in, and accepted a new grant of the township of Ulster, the northern bounds of which commenced at the south part of Tioga Point, and extended on both sides of the river Susquehanna. A copy of the second grant, as far as it remains perfect, is contained in document D. Document E is a list of the

proprietors applying for Susquehanna Company. The boundaries of the town of Ulster, according to the location of the second grant, were not yet agreeable to the claimants and settlers of the town of Athens, who, having the guidance of the affairs of the Susquehanna Company entirely among themselves and their adherents, insisted that the town of Ulster should be placed still lower down the river, and this was again consented to by the undersigned deponents and other settlers in Ulster, and a third grant was accepted in the year 1786, a copy whereof is contained in document F. Of the old town of Ulster no regular survey was made, owing to the circumstance of the war immediately succeeding the original grant, nor was a survey completed under the second location, as the third was granted about nine months only after the second. A copy of the survey under the three grants herewith presented being document G. If the old location of Ulster, under the grant of 1775, be established it will include but few comparatively of the applicants under the law of April 4, 1799; the second will include all those who have applied under said law."

Document A

List of the proprietors of the township of Ulster, Mr. Asahel Buck, agent, August 28, 1775:

Catherine Draper, ½ share, 1 right, certified by receipt.

Elijah Phelps, ½ share, 2 rights.

Jonathan Buck, ½ share, 1 right, certificate.

Lockwood Smith, ½ share, 1 right, certificate.

Thomas Millard, ½ share, 1 right, certificate.

Aholiab Buck, ½ share, 1 right, certificate.

Capt. Joseph Eaton, ½ share, 1 right, certificate.

Elijah Buck, ½ share, 1 right, certificate.

Daniel Kellogg, 1 share, 2 rights, certificate.

Abraham Brockaw, ½ share, 1 right, certificate.

Document B

"N.B.-On another list exhibited these names appear to have been added:

Stephen Shepard, ½ share, 1 right.

Joseph Spalding, ½ share, 1 right.

William Buck, 2½ shares, 5 rights.

Obadiah Gore, ½ share, 1 right.

M. Hollenback, ½ share, 1 right.

J. Jenkins requests the favor of being admitted.

Asahel Buck, 1 share, 2 rights.

Thomas McCluer, 1 share, 2 rights.

Document E

List of proprietors for Ulster, July 21, 1786 [figure in parenthesis denote the number of right belonging to the person whose name they follow]:
Capt. Simon Spalding (4), Capt. Thomas Baldwin (3), Obadiah Gore (2), William Buck (2), Elijah Buck (2), Henry Baldwin (1), Joseph Kinney (1), Joseph Kinney, Jr. (1), Capt. Joseph Spalding (1), John Spalding (2), Reuben Fuller (1), Widow Hannah Gore (1), Samuel Gore (2), Abraham Brockaw (2), Avery Gore (1), Capt. Joseph Eaton (2), Capt. Joshua Dunlap (1), Lockwood Smith (1), Heirs of Aholiab Buck (1), John Shepard (1), Stephen Shepard (1), Col. Nathan Denison (1), Joshua Jewel (1), Hugh Forsman (1), Isaac Baldwin (1), Chester Bingham (1), Adriel Simmons (1), Nehemiah Defries (1), Abner Kelly (1), Benjamin Clark (1), Maj. William Judd (1), Capt. Timothy Hosmer (1), Silas Gore's heirs (1), Asa Gore's heirs (1), Zerah Beach (1), Lebbeus Hammond (1), Benjamin Baily (1), Laurence and Sarah Myers (1).

· Documents C and D have not yet been discovered. The following list of the proprietors of Old Ulster has been discovered, to wit: Elisha Satterlee, Stephen Hopkins, Uriah Stephens, Oliver Bigalow, Lockwood Smith, William Buck, Elijah Buck, John Franklin, Benjamin Allen, Thomas McCluer, Elisha Mathewson, John Patrick, Matthias Hollenback, Abel Yarrington, John Jenkins.

Christopher Hurlbut, William Jones, Benjamin Smith, Nathan Carey,---
Hageman, John McKinstrey, Ishmael Bennett, Asahel Buck, Thomas Duane.

Document F

"Pursuant to a vote of the Susquehanna Company, appointing a committee to grant townships to such proprietors as appear authorized to take up the same, I have, with the leave and approbation of said committee, located and surveyed a town on the North Branch of the Susquehanna River, beginning, etc., which survey is made at the request of Capt. Simon Spalding, Lieut. William Buck, and others, a list of whom is herewith delivered to the committee aforesaid.

(Signed) "OBADIAH GORE, Agent.

"The above survey of a township called and known by the same of Ulster is accepted and approved by us, the subscribers, to be and belong to the said Simon Spalding, etc., etc., and others, their associates, as part of their general rights in the Susquehanna Company's heirs, and assigns, agreeable to the votes of the Susquehanna Company. In testimony whereof, we have signed these presents this 21st day of July, A.D. 1786.

(Signed) "ZEBULON BUTLER,

"JOHN FRANKLIN, Committee."

This grant was regularly surveyed and allotted, and the lost distributed among the proprietors of the township.

As Ulster was included in the purchase of 1784, we find no Pennsylvania surveys prior to that date. The title, however, was vested in Charles Carroll, and in Pickering, Hodgdon & Company, whose agent, Thomas Overton, sold to the settlers after it was decided by the commissioners that Ulster included a few of the settlers in the upper part of the township.

EARLY SETTLERS

Settlers came into Ulster about the same time that Col. Spalding and others went into Sheshequin, 1783 and 1784. A number of them were from Wyoming, and came about the same time, if they did not come together. Of these may be mentioned, as one of the pioneers, Capt. Benjamin Clark, who was among the very first to build a house on the "town-plat" of Wilkes-Barre, having emigrated from Tolland Co., Conn. He was a corporal in the First Independent Company of Wyoming, under Capt. Robert Darkee, and served seven years in the Revolutionary War. In the battle of Mud fort, the man in front of him had his head shot off by a cannon ball. He was on of the detachment sent for the relief of Wyoming after the fatal battle, and was in the army of Gen. Sullivan, which devastated the Indian country in 1779. For his services he received a pension of $96 per year. Subsequently he was appointed Captain of Militia, and was known by the old settlers as Capt. Clark. After peace, Capt. Clark remained in Wyoming one year. In the spring of 1794 he moved to the place now called Frenchtown, and the year after came up to Ulster, built a log house on the bank of the river, and moved his family into it the spring of 1785; a tenement building on the Ross Farm now marks the site of Capt. Clark's first house. It will be remembered, an unusually severe rain fell in October 1786, causing an unusual rise in the river, called the Pumpkin Freshet. Capt. Clark's house stood on the low flat near the river. The water began to rise rapidly, the family became alarmed and fled to the hills, and Mr. Clark commenced moving his goods from the house; and so rapidly did the water rise, that across the low place between his house and the hill-side, where was dry ground when he went for his last load of goods, he was compelled to swim his oxen on the return. Although soaked with water, the family had no shelter for their heads from the storm on that chill October night. The water came up to the eaves of the house, but the building resisted the force of the current, and after the flood subsided, the family moved back into it. Like other Connecticut settlers, Capt. Clark took up his farm in Ulster under the Connecticut title, but his proving worthless; he purchased the State title through Thomas Overton. Capt. Clark was an ardent Federalist, and a member of the Methodist Church. His house was a place of

entertainment for travelers, and the home of the Methodist itinerant for many years, and in it the first preaching of Rev. Loring Grant, H.B. Bascom, * late bishop of the Methodist Episcopal Church South, was converted and received into the church.

The winter before the great ice freshet he was at Sheshequin, and in company with Sergeant Thomas Baldwin, went down to Wilkes-Barre in a canoe. There had been a thaw accompanied with rain and the river was bank full when the weather became suddenly cold. It was with great effort the two men could keep from freezing. They reached Wilkes-Barre the same day, but so intensely cold had the weather become that, high as the river was, it froze over that night.

Captain Clark was twice married. In the Westmoreland town records are the following entries: "Births of the children of Benjamin Clark and Nabbe his wife, -John Theophilus, born July 8, 1770; Polly, born Feb. 24, 1772; Nabby, born March 3, 1774; Sally and Milly (twins), born March 5, 1777. Nabbe, wife of Benjamin Clark, departed this life March 12, 1777, in the twenty-fourth year of her age."

John married and settled in Burlington, near Luther's Mills; Mary married a Blanchard, and Abigail married a Culver; both left the state.

His second marriage was to Keziah Yarrington, whose first husband, Silas Gore, was slain in the battle of Wyoming. She came from Stonington, Conn.; she was in the Forty fort at the time of the battle. An Indian, who had been on friendly terms with Mr. Gore, hinted to them that it would be best to go down the river, but he did not heed the warning. After they learned that our men were defeated, Mrs. Gore, Mrs. Bidlack, Mrs. Durkee, and Mrs. York went to the door of the fort and were refused a pass. They were persistent in their demand and finally were allowed to go out. They found a canoe and went down the river and escaped.

Mrs. Gore had three daughters by her first marriage. Patty married a brother of Ebenezer Shaw; Rebecca married James Braffitt, who died; and she then married Joseph Bloom. Both these were settlers in Burlington. Mr. Bloom and his family moved into the State of Ohio. Lucy married Avery, son of Obadiah Gore, and lived in Sheshequin. By his second marriage were Lucinda, who was married to Nathaniel Hovey; Ursula was married to Samuel Treadway, and her

family moved to Illinois; William married Sylvia, a daughter of Ezra Mills, and had a part of his fathers farm. About 1817 he went to Cairo, Ill. Julia Ann married John Overton and he having died, she married a man by the name of Passmore, and went west.

Captain Clark died in Ulster, Aug. 9, 1834, aged eighty-seven years. Nathaniel Hovey, who married Lucinda Clark, came to Ulster as early as 1802. He moved to Batavia, N.Y.; enlisted in the war of 1812, was sergeant of a company, and died near Sackett's Harbor in 1814. Rev. S.C. Hovey, the eldest son of Nathaniel, lived with his grandfather, Clark, until his death; because possessor of part of the old farm, and yet resides in Ulster. Portraits and biography of him and his wife will be found on another page. Adrial Simons came from Connecticut (probably Brandon) about the time, or a little before, Capt. Clark, and occupied the farm now owned by Mr. Van Dyke and Adolphus Watkins. He was a soldier in the Revolutionary War, was taken prisoner by the British in one of the battles fought in the battles fought in the vicinity of New York, and was for a long time confined in one of the prison-ships in Long Island sound, where he suffered untold hardships from the confinement, hunger, cold and filth, which gave those floating dens such an unenviable notoriety. He is described as a fine old gentleman, hard working, frugal and kind to the poor. Capt. Simons raised a large family. Four of his sons, to wit, Elijah, Anson, Bingham and George, went to the state of Ohio. Jeduthan died in Ulster. Solomon Tracy lived in the lower part of Ulster, on the farm now owned by Mr. Mather. He was born in Litchfield Co., Conn., and Jan. 1, 1756. His wife was Mary Wells, born in Southold, on Long Island, March 5, 1765; was a sister to General Henry Wells, for whom Wellsburg, in New York, and Wells township, in Bradford County, were named. Mr. Tracy moved from Litchfield to Orange County, N.Y., to a place called the Drowned Lands; from there he went to the Lackawaxen, where he was engaged in the Indian Wars. After the Revolutionary War, he went to Wyoming, and then to Ulster, arriving at the latter in 1787. Hon. Henry W. Tracy, a son of Capt. Solomon, says, "My oldest sister was born October 19, 1787. When she was a child, the moved to Ulster. I have heard my mother say she carried her in her arms through the Break-

neck narrows on horseback. In 1809 my parents moved to Angelica, N.Y. My father died at my brother's near Canandaigua, N.Y. My mother died while with me in Standing Stone, Nov. 22, 1848, and was buried in the old Wysox burying ground."

Eli Holcomb came from Simmsbury, Conn., and in March 1793, settled in Ulster, on the place now occupied by Mr. Walker. The farm lay in the center of the town, on what is now known as Cash's Creek. He was a thriving, industrious citizen, and raised a large family of sons, some of whom remained in Ulster, while others went into Le Roy, where they were pioneer settlers. One of the daughters married Selley Crofut, of Le Roy, and another Ebenezer Shaw, the centenarian of Sheshequin. The Holcomb sawmill, on Cash's Creek, was known for a long distance, and lumber, with which most of the houses in Ulster and adjoining were built, was sawed there.

Captain Isaac Cash was a prominent citizen of Ulster and one of its early settlers. He was the oldest son of Daniel and Mary (Tracy) Cash, and was born in Orange County, N.Y., Aug. 15, 11766. The family removed to Wyoming about 1776, and just preceding the battle, Mr. Cash went east to solicit aid to repel the expected invasion. On his return he met the flying fugitives, and among them his wife and her little children. They went back to Orange County and after the war was over, returned to Wyoming, where he died in 1789. Isaac Cash was among the early settlers in Athens, having settled on the Point, on the farm afterwards owned by Gen. Welles. He sold his improvement in 1791 and moved to Ulster while yet a single man. He settled on the farm next above Mr. Holcomb, and which Solomon Tracy owned, of whom Mr. Cash purchased it by deed dated Aug. 8, 1791, and is described as lot No. 3, of Ulster, in Old Sheshequin. His grandson, S.S. Lockwood, now lives on the farm. Here he married Sarah, youngest energetic man, dealing largely in lumber and real estate. He was appointed justice of the peace and held the office until the time of his death, which was April 12, 1813; his wife died two weeks before him, viz., March 28. Of the eleven children left orphans by the sudden death of both their parents, Anna married first Dr. Robert Russell and second Col. Edmond Lockwood. As the biography of Col. Lockwood appears on another page, no further mention need here be made of this branch of the family.

David Cash traveled considerably, and after embarking in several enterprises, studied law at Nashville and was admitted to the bar; but being called home by the illness of a sister, he formed a partnership with his uncle, Simon Kinney, and took up his abode in Towanda. Here he married Mary Ann Spencer, who still survives. He held the offices of notary public, district attorney, prothonotary, and was a candidate for the State Senate, but was defeated by Hon. Samuel Morris, of Luzerne County. Mr. Cash was also interested in the construction of the North Branch Canal and of the Barclay Railroad. He continued to reside in Towanda until his death, Sept. 18, 1864. George W., second son of Isaac Cash, went to Texas, where he enlisted in the war for Texan independence, was captured by the Mexicans and put to death in cold blood by orders of Santa Anna. Another son, John Spalding, went to Texas and met a similar fate as his brother. Daniel Shepard, the fifth son of Isaac Clark, was a blacksmith and went west, became deeply interested in the Lake Superior copper business and died Jan. 4, 1869. Two other sons, Isaac and William K., and one daughter, Sarah M., are still living

Abram Parmeter was among the early settlers of Ulster. He was a native of Boston, and when about fifteen years old enlisted in the Revolutionary Army and was in the battles of Stillwater and Saratogs, and at the surrender of Burgoyne, and his former services drew a pension. He came to Ulster a single man and though never owning land, lived for many years on what is known as the Overton, now the Mather, farm. The family of Mr. Walker's mother, whose name was Patience Mills, came from New Jersey to the West Branch, and thence to Ulster in 1791, intending to settle in the state of New York, but the commotion attending the Indian treaty at Athens that year induced them to remain in Ulster until that affair should be ended. While the family remained here, Patience became acquainted with Mr. Parmeter and they were married. Mr. Parmeter remained in Ulster until 1813, when he moved his family to the state of Ohio. The family of Mr. Mills moved to Canada, where land was offered gratuitously to settlers.

Chester Bingham was at Ulster at an early day. He was from Connecticut, and an extensive speculator in lands claimed under the Connecticut title. At one time he was considered wealthy, buy by the failure of the Connecticut claim he

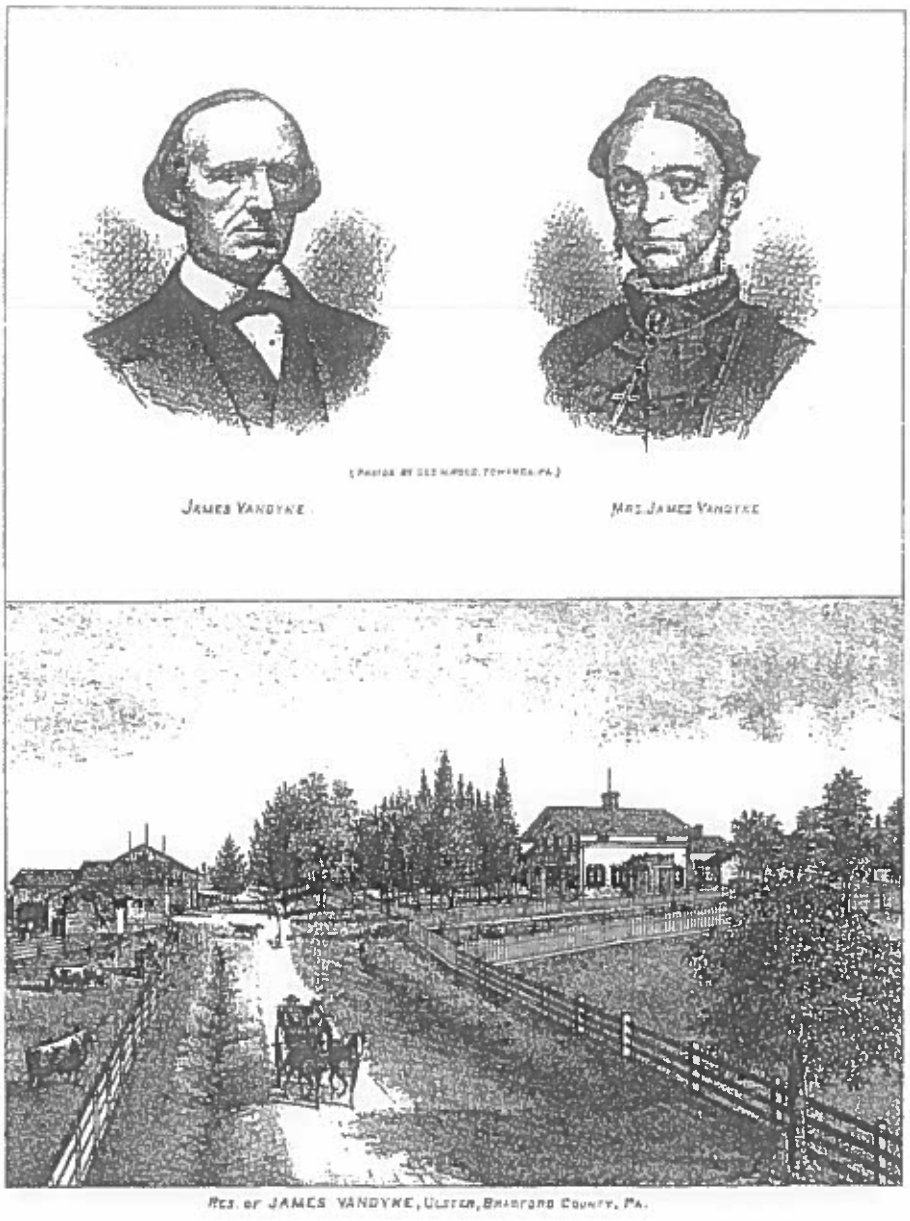
lost everything. He had a brother Ozias, who resided just below the line of Ulster, in North Towanda Township. His wife died in 1803, and soon after Mr. Bingham returned to Connecticut. Wanton Rice, who probably was at Frenchtown in 1793, was on the Bingham farm in 1809. At one time he lived in the neighborhood of Cayuta Creek. Josiah Tuttle, of Sheshequin, married one daughter, and Joseph Campbell, of Burlington, married another. Mr. Bingham had sons, Augustus, Joseph and Chester, who died young. Mr. G.H. Vandyke lives on part of the Chester Bingham farm.

Elijah Granger came from Suffield, Conn., in 1804, and lived where Alanson Smith now lives. He remained in Ulster but two or three years when he moved to Athens, where he died December 1814 at the age of seventy years. Alfred, a son of Mr. Granger, had moved to the Susquehanna previous and gave such a flattering description of the country that the father was induced to move his family to Ulster.

Thomas Overton, born in England, came from Luzerne County to Athens, where he resided a short time and then purchased the Solomon Tracy place in Ulster. Here he kept a public house for a number of years. He was a man of much enterprise and activity and for many years the agent for Carroll and other landowners. He died suddenly and the place passed into the hands of Mr. Gibson. Mr. Mather lives there now. The place was noted for the militia training, which used to be held there. The old Overton house was burned and another has been erected on the site.

Abraham Brokaw, of Sussex County, N.J., drew the lot on his proprietor's right in Ulster, which was lot No. 12, and sold it to Mr. Tracy, who had formerly lived on the Cash farm.

Above the Narrows, towards Milan, Joseph C. Powell lived. The place was known by those who ran the river as Powell's eddy. He was at one time sheriff of Bradford County. On the places next above were Joseph and Lockwood Smith, brothers from Westchester County, N.Y., who are mentioned in connection with the history of the Baptist church of Ulster and Athens. The Anthony Estate is the farm of Joseph, and Abraham Snell lives on the Lockwood Smith property. Ezekiel Curry lived on the farm, which belonged to the late Col. C.F. Welles' estate, his log house standing near where a brown



JAMES VANDYKE. MRS. JAMES VANDYKE

RES. OF JAMES VANDYKE, ULSTER, BRADFORD COUNTY, PA.

house afterwards stood on this farm. He had a son, Ezekiel, Jr. Mr. Minier, who has been mentioned in connection with Athens, a German by birth, lived on the place now owned by Myron Warner, Esq. He had sons, George, Abraham, who married Judith Burch, whose brother was Rev. Robert Burch, a preacher in the Methodist Episcopal church, and at one time presiding elder on the Susquehanna district, and lived at Ulster, Daniel, who lived in Wysox and John.

William and Joseph Loughry were probably brothers, and early settled in Ulster. By deed dated Dec. 11, 1794, Reuben Fuller, of Tioga, conveys to William Loughry, of site New Sheshequin. William Loughry and Nancy, his wife, Joseph Loughry and Mary, his wife, of Ulster, conveyed to Stephen Powell, of "Stamford Town, Dutchess County, N.Y. State," the same land by deed dated Oct. 6, 1801. In the back part of Ulster is what is known as the Moore's Hill settlement, to which reference has been made in the history of the Reformed Presbyterian Church. Clement Paine, of Athens, owned some property in this place, on the Burlington road, and had made some improvement on it, and Jeduthan, a son of Captain Adrial Simons, was living in the same neighborhood about 1820 to '25. Mr. Howie bought the place of Mr. Paine, and Peter McAuley was near him. Besides these there are families of Pollocks, Mathers, Dicksons, and others, names familiar to every reader of Scotch history. Mr. Gibson was a Scotchman, but settled at Ulster, and being among the first aided his countrymen in the selection of their homes and in the negotiations for their farms. The emigration began about 1822, and families continued to come for several years.

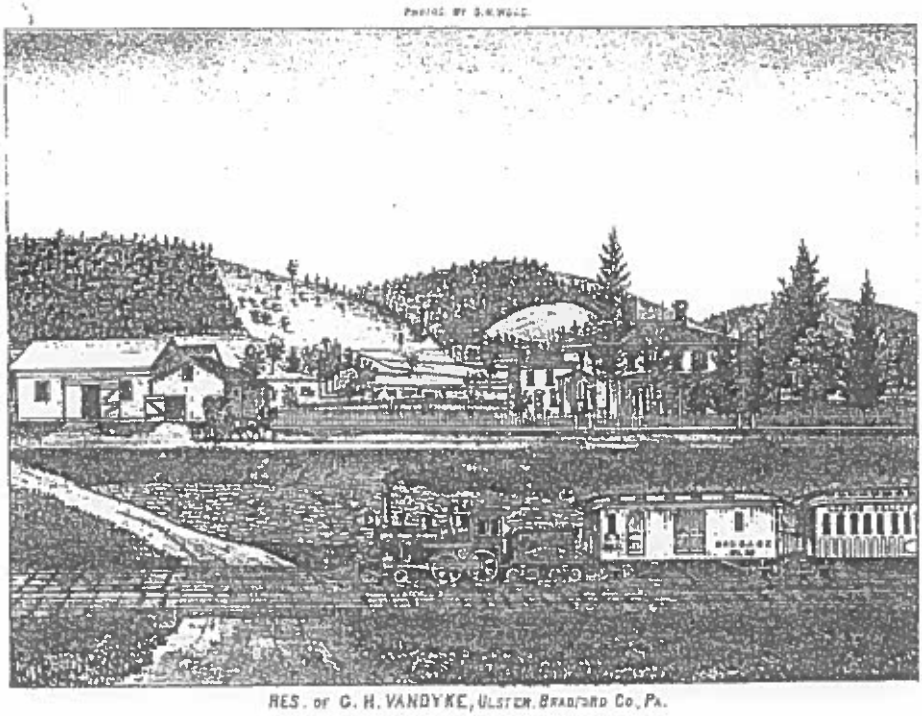


G. H. Vandyke



MRS. MARY J. VANDYKE.

PHOTOG BY S.H.WOLLE



RES. OF C. H. VANDYKE, ULSTER, BRADFORD CO., PA.

INCIDENTS

At the upper end of Fish Island was a shad fishery. In the year 1810 five hundred shad were taken here at a single haul.

The father of Lorin Kingsbury probably taught the first school. The schoolhouse stood where the house is in which George Rockwell lives.

Eli Holcomb had a sawmill near the mouth of Cash's Creek. His son Truman probably built the first sawmill on the creek back from the river. The first framed house built in the town was in 1818, of lumber sawed at Holcomb's Mill.

Thomas Overton built a grist and sawmill together on the river.

In the Luzerne Federalist of July 1801, is the following paragraph: *"Died of fever in Ulster (Old Sheshequin), Mr. Joseph Bingham, aged twenty, Master Chester Bingham, aged thirteen, sons of Chester Bingham; Miss Polly Simons, aged thirteen; Mrs. Sally Simons, wife of Capt. Adrial Simons; Miss Todd, aged twenty-three; and a son of Mr. Hibbard, aged seven."*

"A fever which prevailed at Wysox and Sheshequin in 1803, and proved fatal to many young people of both sexes, abated during the summer, but broke out with virulence the following winter."-Luzerne Federalist.

The village of Ulster, which for a time seemed to lack enterprise, has within the past few years exhibited new activity, and has witnessed material growth. It has a church building, owned by the Methodists, a graded school, two hotels, several stores, steam gristmill, and about sixty dwellings. The village is the natural outlet for business from parts of Smithfield and Sheshequin. It has a post office, and the Pennsylvania and New York railroad company has a depot at the town. As has before been said, the village occupies the site of the Indian town, and Cash's Creek, which formerly bore the name of "Old Town Creek," which divided the heathen form the Christian portion of the Indian settlement, runs through nearly the central part of the village.

Milan, three miles above and at the upper borders of the township, was formerly called Marshall's Corners, in honor of a prominent citizen there, but the name was changed to the shorter one of Milan. The Methodists have a house of worship here, and there are the post office, store, hotel, shops, etc., a few dwellings and a railroad depot.

There are in the township seven school districts, of which two are joined in the village of Ulster, and compose the graded school. In 1870 the total population was 1174, of which 1058 were native and 116 foreign, 1172 white and 2 colored.

BIOGRAPHICAL SKETCHES

GEORGE HAMMOND VANDYKE

Was born in Towanda, Pa., Aug. 27, 1819; his father, William Vandyke, having removed from Northumberland, Pa., to Towanda in 1812, where he died in 1860.

Mr. Vandyke is of Holland Dutch and Irish blood. At the age of seventeen he went into the lumbering business with his brother James, rafting lumber to Port Deposit, in which he was quite successful.

In 1846 he settled upon the farm he now occupies, near the village of Ulster. His education is chiefly of the practical sort, he having attended school but three sessions, when quite young, walking five miles to school during that period. He is a good businessman; hence, although liberal, even generous to a fault, he has acquired a handsome property, owning, besides his farm, a saw and gristmill, hotel, etc., in Ulster.

He is a Democrat in politics, but has not sought office, filling only such positions as justice of the peace, school director, town auditor, treasurer, commissioner, etc., which offices were not sought by him, but were offered by the voluntary suffrage of his neighbors, and which he filled faithfully and satisfactorily.

SIMMONS CLARK HOVEY



Was born in Ulster, Bradford County, Pa., Jan. 8, 1807, where he has spent his whole life. His mother was a daughter of Capt. Benjamin Clark, a Revolutionary hero, who served seven years in the War of Independence, settling in Ulster soon after its close, having married



Keziah Gore, whose first husband was killed in the celebrated Wyoming Massacre. His father, Nathaniel Hovey, was an officer (ensign) in the War of 1812, and died at Sackett's Harbor during the war, leaving his wife, two sons, Simmons C. and William M., and a daughter, now Mrs. Hannah Horton. William M. died in 1850. His youngest son, Robert M., was adopted by his Uncle Simmons, and carefully educated, and has been for some years general ticket-agent and paymaster, and now chief clerk, in the G.I.& S. railroad office at Sayre, Pa.

The subject of this sketch received a good common school education, and adopted farming as a profession, in which he has been very successful. He added to the small tract of land inherited from his grandfather Clark, by purchase at different times, till he owned an ample estate, where he resided till 1873, when he sold it and retired from active life to his residence in the village of Ulster, -still retaining, however, a farm on Moore's Hill, purchased in 1837. Mr. Hovey was married in 1829 to Miss Eleanor Boyce, who was born in St. Lawrence County, N.Y., May 14, 1812, and whose parents settled in Sheshequin, Bradford County, Pa., during the War of 1812.

For some years before and after his marriage, until their death, at the respective ages of eighty-seven and ninety-one, Mr. Hovey took care of his aged grandparents, Capt. Clark and wife, whose last day were rendered pleasant by the kindness of their filial grandson and his generous hearted and sensible young wife, who has proven herself a true helpmeet, as well as a loving and devoted wife, a good neighbor, a useful member of society, and a devout member of the Methodist Episcopal Church during her half century of married life. Mr. Hovey joined the same organization at the age of seventeen, and has been an active and prominent member for over fifty years. He has been class – leader, exhorter, and local preacher, and in 1840 he was regularly ordained by Bishop Roberts.

The Hovey mansion has for a generation been the home of the Methodist minister, and the headquarters of Methodism in Ulster. Mr. Hovey has been an active promoter of education, serving for twenty-three years as school treasurer. He also filled the office of town clerk for some years, and in all positions, public private, he has acted his part well.

MRS. MARY ANN LOCKWOOD



Anna, daughter of Isaac Cash and Sally Gore, and granddaughter of Obadiah Gore, Esq., was born March 8, 1793, at Old Sheshequin. On Oct. 22, 1812, she married Dr. Robert Russell, who was a surgeon in the New York State Forces in the War of 1812. He is supposed to have been killed during the war, as he was never heard from afterwards. Her mother died March 22, 1813, and her father a few weeks later, April 12. Anna, the oldest child, was barely turned twenty at this time, and was left with the care of her orphaned brothers and sisters, ten in number, as follows: David, born Dec. 7, 1794; Eliza, afterwards wife of John Wattles, born Nov. 28, 1796; Carassa, who married Morris Spalding, born March 13, 1798; George W., who was killed in Texas, born Sept. 16, 1800; Lord Gore, born May 13, 1802; John Spalding, who was shot near Saltillo, Mexico, born March 13, 1804; Daniel Shepard, born April 8, 1806; Isaac Jr., born May 19, 1808; Sarah, who married William Kendall, born Oct. 7, 1810; and William Kirkpatrick, born Nov. 28, 1812. Of these, David, the oldest, was eighteen years, and William a babe of four months. The latter was taken to his Uncle Nathan's, at Stafford, N.Y., where he was brought up. Daniel was taken in charge by Anna. Her labors were soon increased by the birth of a daughter, Miami (now wife of J.M. Pike, of Athens), who was born July 29, 1813.

On March 13, 1816, she married Col. Edmund Lockwood. He was born at Watertown, Conn., Nov. 24, 1769. He there married Nancy Judson, by whom he had two children, -Caroline, who married Samuel Simons, and Charles J., who died unmarried. May 19, 1797, he was commissioned captain in the 8th Regiment of Militia, by Governor Oliver Wolcott. May 28, 1802, he was promoted to the rank of major by Governor Jno. Trumbull. May 1, 1810, he received his commission as colonel of the same regiment from the Governor John Treadwell.

About this time he removed to Baltimore, Md., and entered the service of Charles Carroll. He was soon after appointed by him agent for the sale of the Carroll lands in Bradford County. He soon formed the acquaintance of Anna, widow of Dr. Robert Russell, whom he married as above. They took up their

residence in Old Sheshequin, in a house built by her father. After this, the homestead now owned and occupied by Mrs. A.C. Jones was erected, where Col. Lockwood died, Jan. 16, 1834, aged sixty-three years. In her eighteen years of married life with Col. Lockwood she bore to him eight children, six of whom survive: Edmund, born Nov. 12, 1816; Abigail Carassa (widow of John Jones), born Sept. 14, 1818; Richard Caton, born Sept. 19, 1820; Samuel Simons, born Feb. 22, 1823; Mary Ann (wife of Daniel B. Walker), born Nov. 7, 1825; Phoebe Maria (wife of Henry Segar), born March 2, 1830; two others, Francis and Chas. Huston, died young.

During the more than thirty years of her widowhood, besides rearing her own children, she was more than a mother to perhaps a score of others, who at various times, and for longer or shorter periods, found a home beneath her roof. Her hospitable mansion was always open to the poor, the needy, and the unfortunate, and was often filled for days at a time by those who had no claim to her hospitality other than her invitation to share it with her. She had a very tenacious memory and good conversational powers. Having been born and reared on the spot with for more than three score years was her home, she had a very wide acquaintance, and in her later years many people resorted to her for information of the early history of the county. This she was fond of recounting. Though she was from a long-lived and healthy family, her later days were full of suffering from a cancer. She passed away on July 5, 1865, at her old home, surrounded by most of her children and in the full enjoyment of all her faculties, at the green old age of seventy-two years and four months.

Though the flowers have bloomed over her grave for more than a dozen years, yet her memory is still fresh and green in the hearts of many, not only of her immediate family and friends, but many a recipient of her bounty.

The home farm was divided among the children, and Edmund, Abigail, Mary Ann, and Maria occupy their portions. Simons exchanged his for a business-stand a few rods south, where he resides. Caton removed to Wellsburgh, Chemung Co., N.Y., where he has several farms and a planning mill. Miami (Pike) lives in Athens.

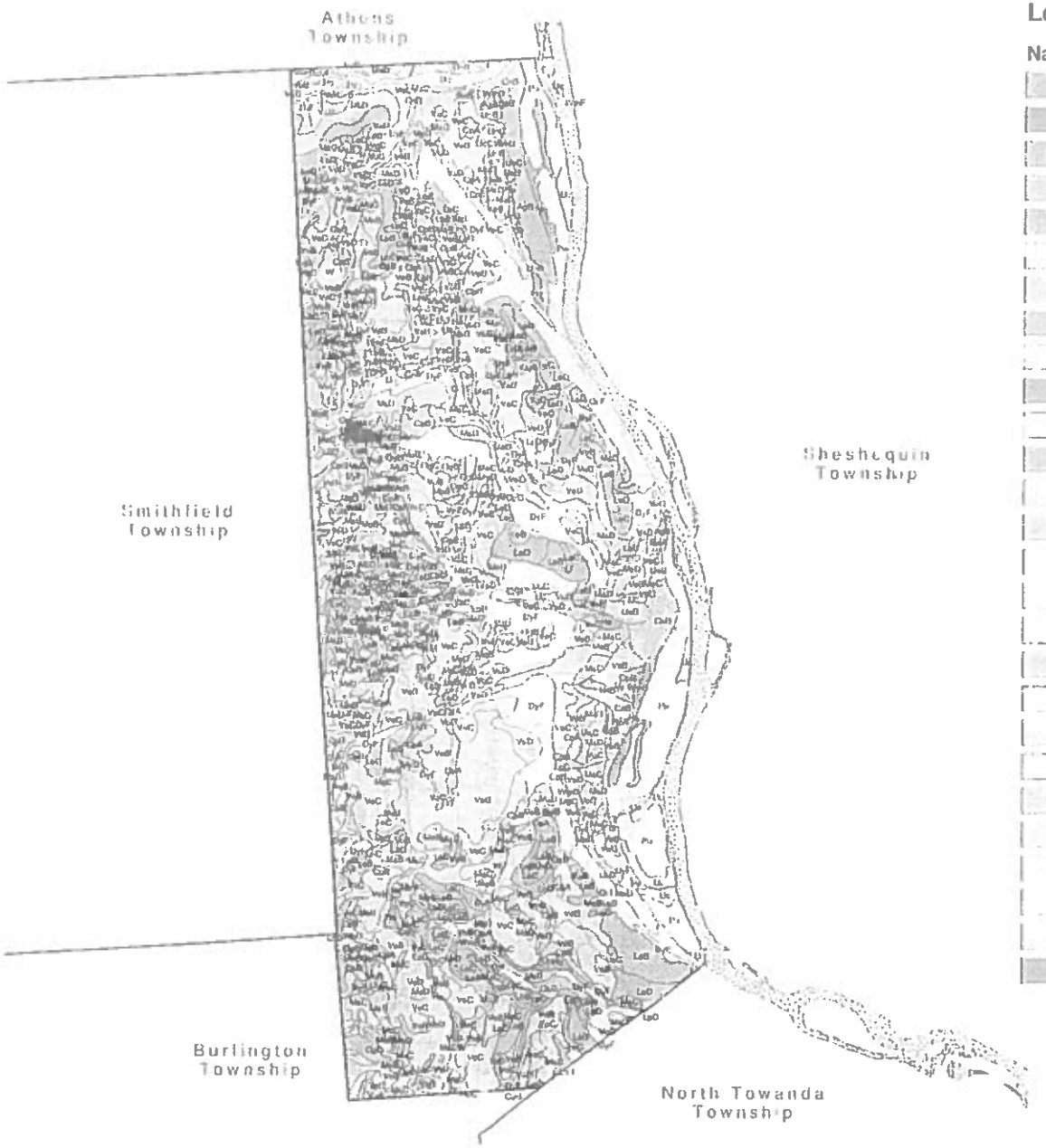
Geography

Ulster Township is situated just below the "Valley" and just above Central Bradford County; the Township of Ulster is comprised of two villages, Ulster and Milan, as well as the rural surroundings typical of a Bradford County township.

This community is situated on ground around the Susquehanna River. Ulster Township is bound by Athens Township to the north, Smithfield Township to the west, Sheshequin Township to the east, and North Towanda Township to the south. Topographically speaking (see Map 1-1 Topography), the Township is fairly flat along the river and expands up hill to the west and retains a low elevation of approximately 700' above sea level. The eastern flats contain very fertile soil and have been under the influence of flooding since the retreat of the last glacier. As you may observe in other components of this plan, you will come to find that the rivers have played a major role in the development of the Township and their emergency preparedness.

The climate of Ulster is typical of the mid-continental regime where there are extremes in both the winter and summer months. Ulster is under the influence of the westerlies and is usually affected by cold, dry air coming out of Canada and warm, tropical air from the gulf of Mexico. In other words, the area is constantly under the influence of battling warm and cold fronts throughout the year. On the average, precipitation falls within 37 to 40 inches annually, with wet weather usually occurring in the spring, early summer and drier weather in winter and late summer. The annual mean temperature for Ulster is approximately 48°F and the seasonal means equal 25° in January and 70° in July. Overall, there is a clear distinction between all four seasons within this region of Bradford County.

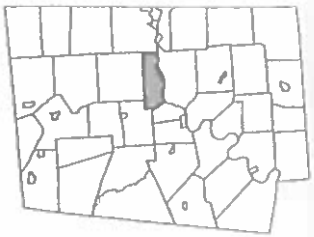
The Soil Survey of Bradford and Sullivan Counties of Pennsylvania reveal that a majority of Ulster Township (See Map 1-2) contains Volusia silt loam, which is somewhat poorly drained. In addition, much of the lower flats consist of both



Legend

Name

- Alton
- Aquepts
- Arnot
- Braceville
- Canadice
- Chenango
- Chippewa
- Dumps
- Dystrochrepts
- Holly
- Linden
- Lordstown
- Mardin
- Medisaprists
- Morris
- Norwich
- Ochrepts
- Oquaga
- Pope
- Rexford
- Udifluvents
- Udorthents
- Unadilla
- Volusia
- Water
- Wellsboro
- Wyoming



UlsterTownship

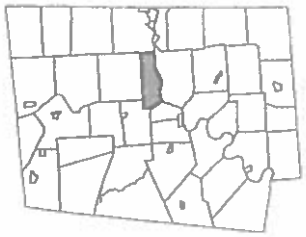
Soils
Map 1-2

BRADFORD COUNTY

1 inch equals 1.28 miles







UlsterTownship

Topography
Map 1-1

BRADFORD COUNTY

1 inch equals 1.08 miles

Legend

100 Ft. Contour

20 Ft. Contour

Pope (Po) and a smaller area of Udifluvents (Uc). The Pope soils are almost always found on nearly level ground adjacent to a large stream channel and usually flooded. The Pope soils are also well drained as opposed to the Udifluvents that are somewhat poorly drained to excessively drained. The Pope soils are the most suitable soil for cultivated crops.

A public water system does exist within Ulster Village. However the entire township is utilizing on-site septic services and all but the village of Ulster is utilizing private wells for water.

Ulster Township is not devoid of wetlands, however, it is noted that most of the wetland classifications are found adjacent to the Susquehanna River. There are a few Riverine and Palustrine subclasses of wetlands on the banks.of the river. A few substantial wetlands have been identified in the areas around of Township. (See Map 1-3) The only area of the Township that may also be affected by the presence of Riverine subclass wetlands would be in the low areas within the flats.

Map 1-3 also illustrates the areas of Ulster Township that are inundated during either a 100-year or 500-year storm event from the Susquehanna River or other streams nearby. The most devastating storm event that influenced Ulster happened in 1972 as a result of Tropical Storm Agnes.

Moreover, Ulster continues to evaluate their flood-prone area, which retains a detailed flood insurance study, flood insurance rate map, flood boundary and floodway maps. Included with these tools, the municipality also retains floodplain regulations that assist the municipality in deterring an increase in one hundred year flood levels from future development. Most of the time, new development within the floodplain must be elevated above the one hundred year flood level or flood proofed according to the ordinance criteria. Floodplain management regulations are codes and ordinances that have been adopted by a municipality to provide standards for use and development. These regulations can be included in zoning ordinances, subdivision/land development

ordinances, building codes or special floodplain management ordinances. Municipalities are eligible to receive 50% reimbursement from the Department of Community and Economic Development for the enforcement of such regulations by whatever means. The Floodplain Management Act, Act 166, requires municipalities to: participate in the National Flood Insurance Program, adopt appropriate regulations that at a minimum meet program standards, comply with Department of Community and Economic Development Standards and issue Special Permits or Exceptions for Obstructions posing Special Hazards.

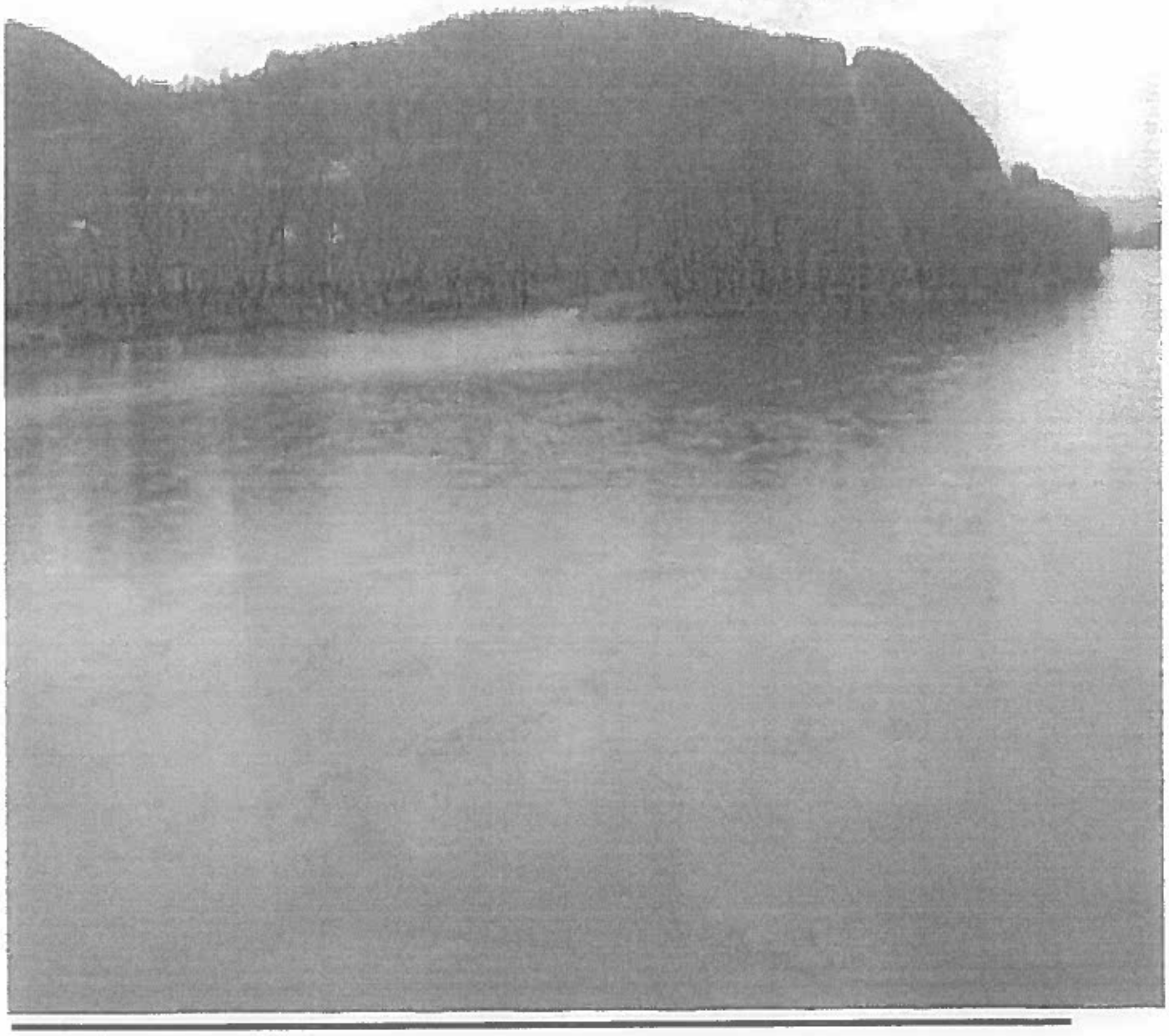
In summation, the geography of Ulster Township is unique, in that, the Susquehanna River and the steady western elevation increase throughout the township dictate activity and future development within its boundaries surround it. Within the township boundaries itself, there lies a thriving community with quiet residential neighborhoods and potential for expansion of existing development including recreational facilities. The township also retains a number of structures that may be considered historic. Ulster Township has begun to see population increases over the past 15 years and expects to continue growing and developing over the next 15 years.

Chapter 2

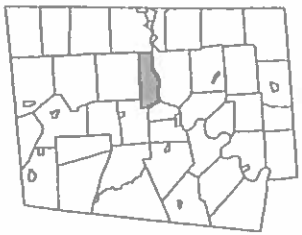
Ulster Township Today

Trends and Issues

Before realistic plans can be made for future development, it is essential to understand the Ulster Township community as it is today, what trends have defined its existing condition, and what forces are likely to shape its future. This chapter takes a comprehensive look at the trends and issues surrounding the Township's natural, social, and functional characteristics, and examines their potential impact on its future sustainability.







UlsterTownship

Floodplains and Wetlands
Map 1-3

1 inch equals 1.32 miles

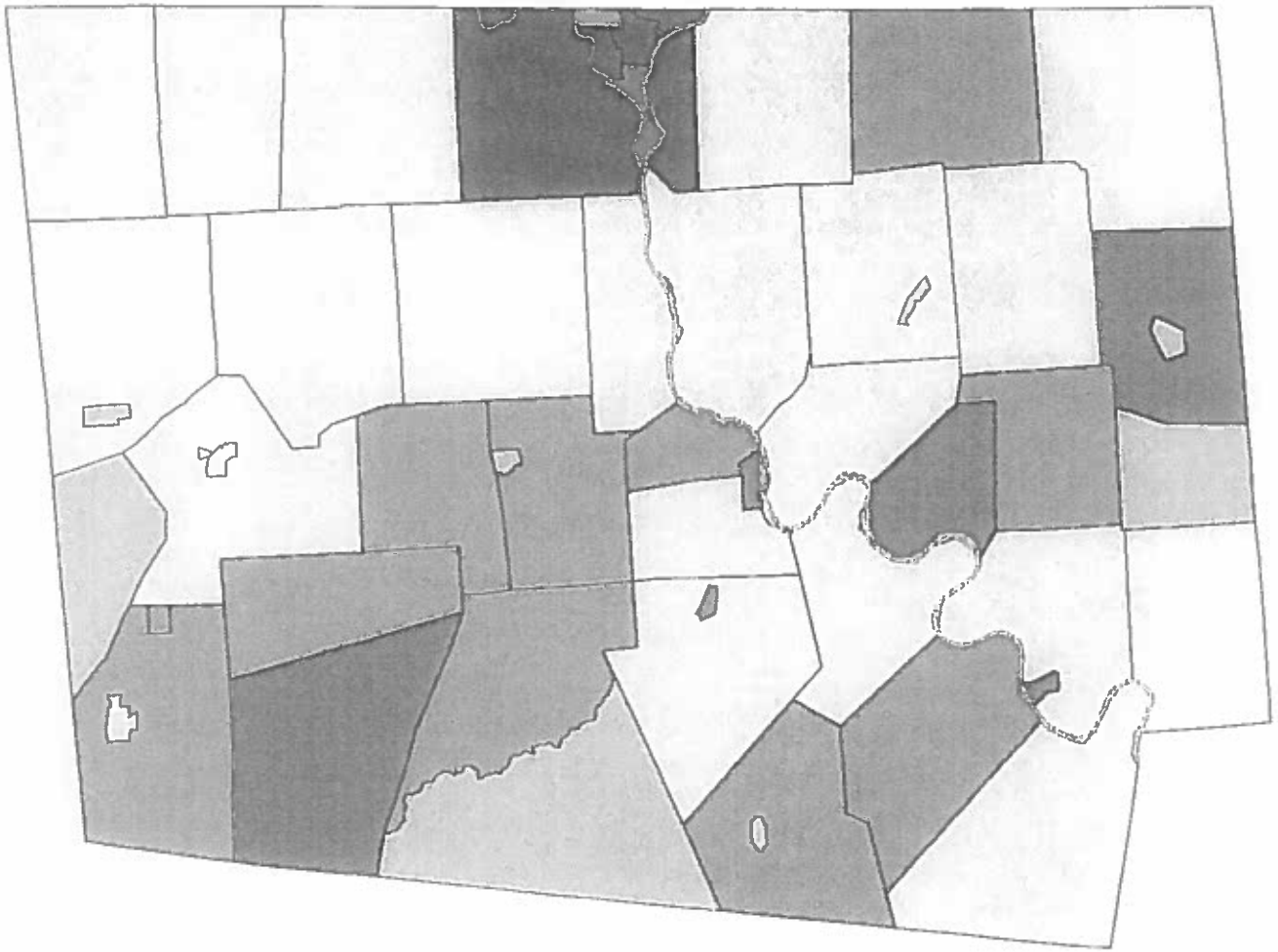
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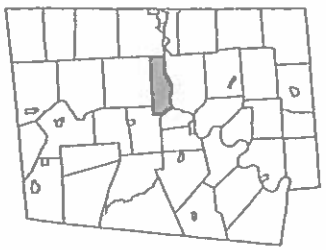
100-year

500-year

Wetlands
Palustrine, Riverine, Lacustrine

Population Analysis for Bradford County Municipalities
Map 2-1





1 inch equals 6.00 miles

N

Legend

CountyBoundaryNew

POP2000

- 0-500
- 501-650
- 651-1000
- 1001-2000
- 2001-3000
- 3001-4000
- 4000 and Above

Population

The following population statistics were gathered from the US Census Bureau and used to characterize Ulster Township in a variety of categories including the number of residents, the distribution of age groups, level of education completed, income and economic condition, and household composition.

Historic Trends

Over the past thirty years Bradford County as a whole steadily increased in population. This growth keeps elected officials and community planners thinking about future trends and policy to develop the community effectively with the growth. The 2003 Bradford County Comprehensive Plan produced several findings and conclusions regarding population.

1. The County population increased by 8.3 percent between 1970 and 2000, although, the growth is not across the board. Most Boroughs lost population during this period while most of the growth occurred in the Townships
2. Overall, the age dynamic is changing, with the population characterized as having a maturing population while younger-family cohorts (25-44) are decreasing
3. The racial character of the County population remains white, although the number and percent composition of non-whites are increasing.
4. Educational attainment is split when compared to surrounding Counties. Bradford County is second highest in high school completion but in the back of the pack in college completion.
5. School enrollments are down in six of the seven districts, again reflecting the aging population and out-migration of family-forming people
6. Non-traditional households are increasing, in the form of non-family and female-headed households

Chart 2-1

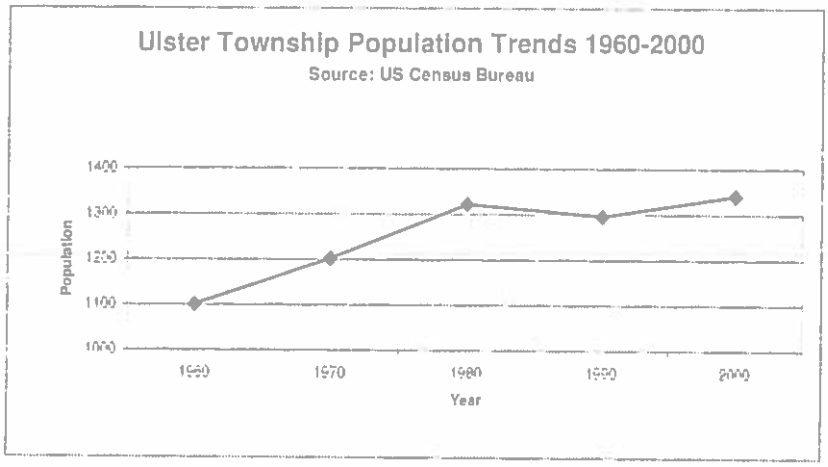
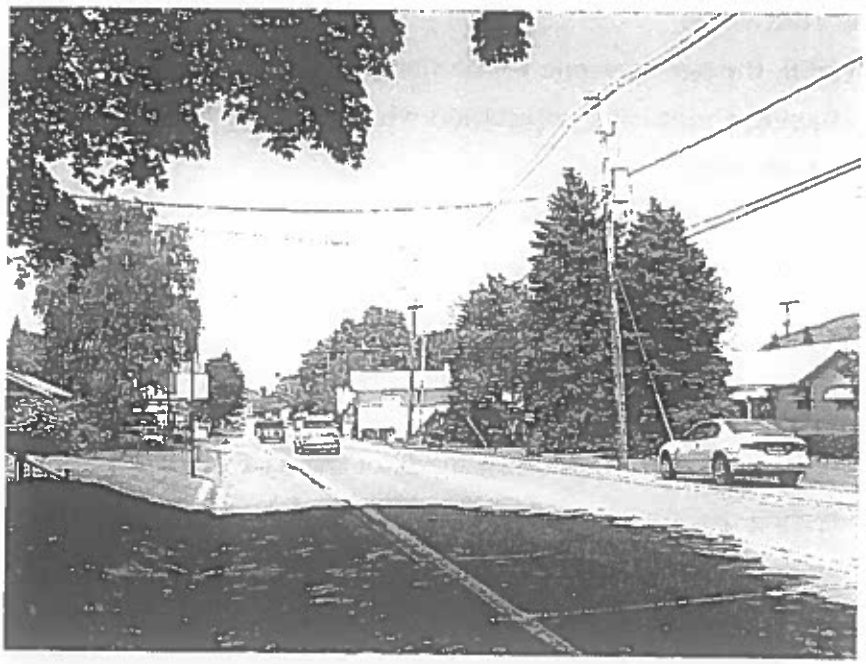
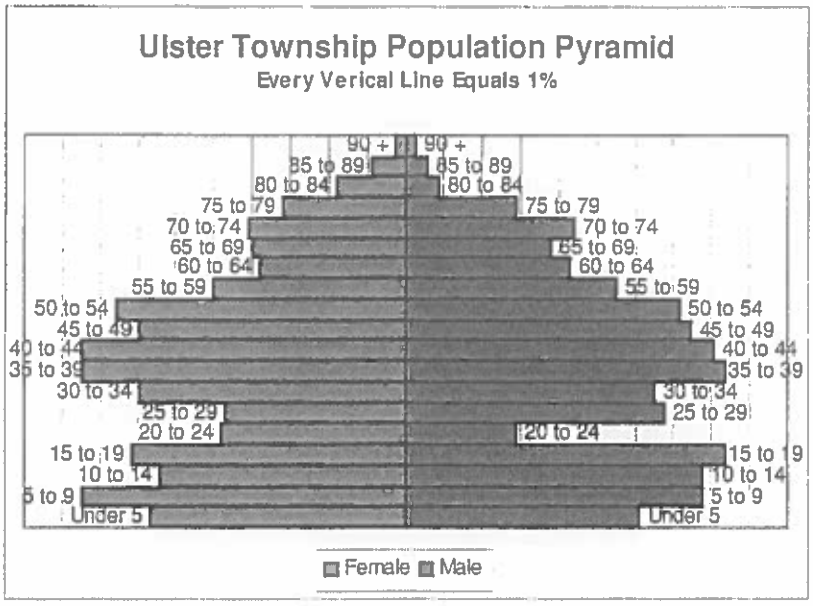


Chart 2-1 shows the pattern in which Ulster Township has grown over the last several decades, this pattern follows closely the Bradford County pattern of growth. Ulster Township has shown a 3.5% increase in population over the last decade. The 2000 census reported a total population of 1,340 up from 1,295 in 1990. Bradford County's population increased 2.9%. Ulster residents have seen this type of growth in each of the past four census periods



Ulster Township has an interesting age cohort structure with a few individual age group dominating the others. The Township's largest age group is the 35-39 cohort. The 5-14 age cohort makes up 15% of the population of Ulster Township. The ability to retain this group would provide Ulster with a strong tax base in the future.

Chart 2-2

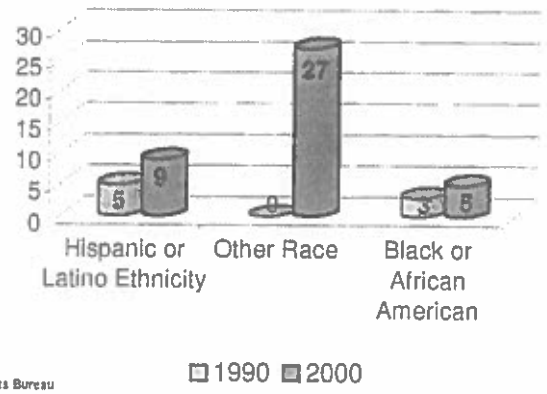


Ulster Township, as mentioned has a large population of young residents, it is integral to the future for the supervisors to continuously investigate the need for new recreation and services for the population. Also, the Township has an opportunity to provide more services in the Township to keep people in the Township, as they get older. Attracting new families is yet another important factor in helping the population grow steadily to help the municipality. Young people can relocate to Ulster and enjoy a rural atmosphere and a 10-minute commute either direction on Route 220 to a number of job opportunities.

Though the vast majority of population is white, racial diversity is slowly increasing throughout the County and Ulster Township. In 1990 the Ulster Township non-white population made up 0.2% of the population. In 2000, that number has climbed to 2.5%. The following, chart 2-3 represents racial diversity in Ulster Township in 1990 and 2000.

Chart 2-3

Ethnic Diversity 1990-2000



Source: US Census Bureau

A few other trends that are important to note for Ulster Township's population analysis are the following:

- Increasingly, Ulster Township students are attaining their high school diplomas and moving on the higher education. More than 85% of Ulster Township's residents have a high school diploma, up from 78.4% in 1990, and 12% of the population holds at least a Bachelor's degree, this up from 10.6% in 1990.
- Between 1998 and 2001 the Athens Area School District has decreased in enrollment. This is true for six of the seven Bradford County school districts
- Ulster Township has shown incredible gains in median household income and per capita income. Rising from $24,375 to $38,281 for median household income and from $9,727 to $16,411 for per capita income. Ulster Township is above County and State averages for median household income and slightly below County and State averages for per capita income.
- Poverty levels in Ulster Township have dropped from 13.5% of the population in 1989 to 8.1% in 1999
- Ulster Township along with adjoining Townships have experienced moderate growth throughout the past 30-40 years

Municipality	1960 Population	2000 Population
Ulster Township	1099	1340
Sheshequin Township	969	1300
Athens Township	2882	5058
Smithfield Township	1306	1538

Goals

1. Promote sound population growth
2. Preserve small town atmosphere
3. Promote diverse population growth
4. Retain the younger generations of the Township
5. Provide increased services to keep the older generations in the Township longer
    a. Senior Housing
    b. Medicinal Clinic
    c. Senior Recreation Programs

Objectives

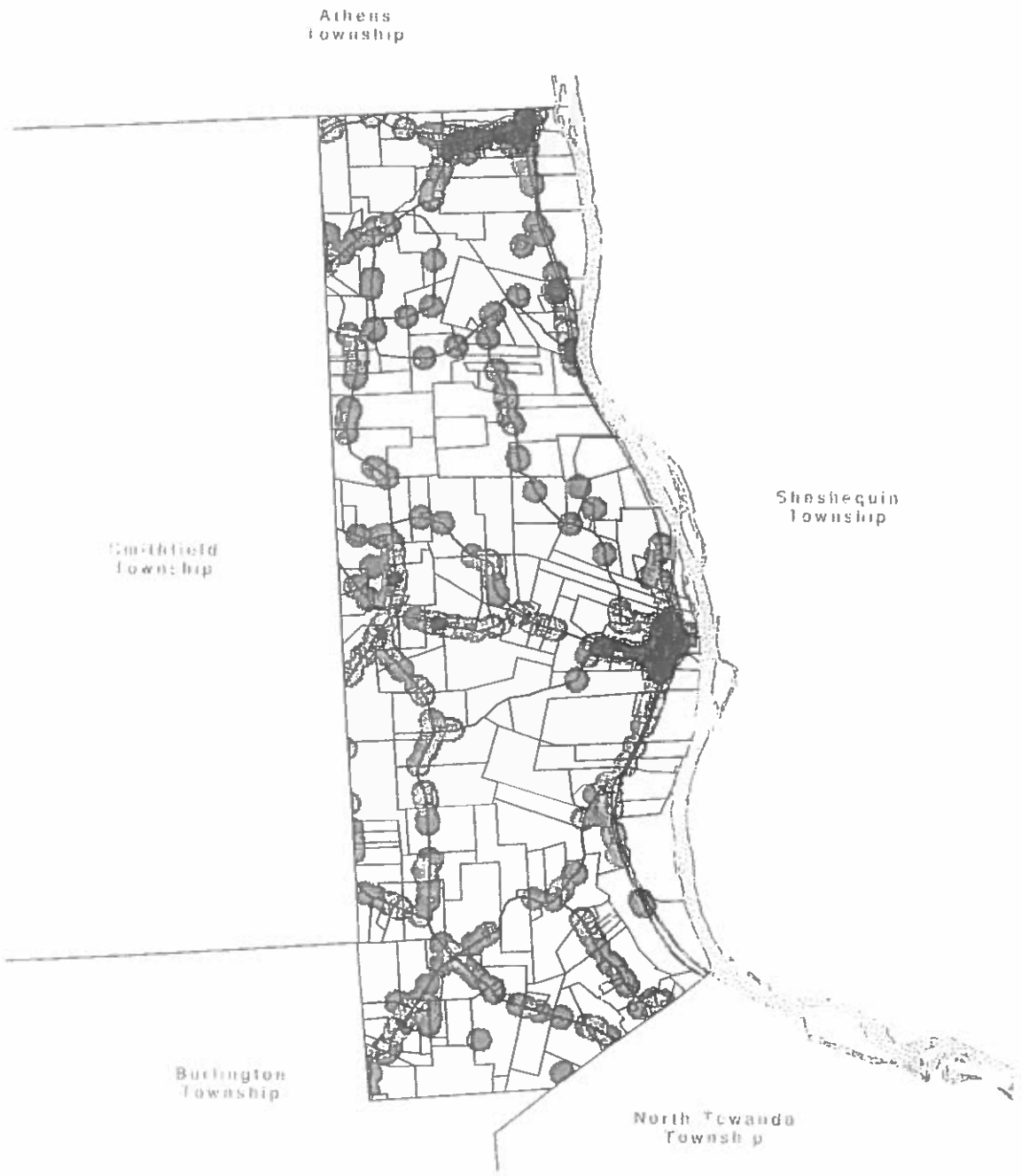
1. Produce a information packet promoting the Township
2. Develop and maintain incentives
    a. Recreation
    b. Community Functions

Housing

Ulster Township has developed into a single-family residential community by offering small-town living in a rural setting with business and employment opportunities in all directions of the Township. This is similar to many surrounding rural townships. The table below illustrates owner-occupied vs. renter-occupied units in Ulster Township and the surrounding communities. Ulster Township serves as a rural bedroom community for many areas around Bradford County, due to its central location.

Table 2-1	**Total Occupied Units**	**Owner-Occupied (%)**	**Renter-Occupied (%)**
Ulster Township	512	76.6	23.4
Athens Township	2002	84.1	15.9
Sheshequin Township	489	86.1	13.9
Smithfield Township	567	88.0	12.0
North Towanda Township	402	62.9	37.1
Burlington Township	297	83.5	16.5







UlsterTownship

Housing Density
Houses per Square Mile
Map 2-2

BRADFORD COUNTY

1 inch equals 1.32 miles

Legend

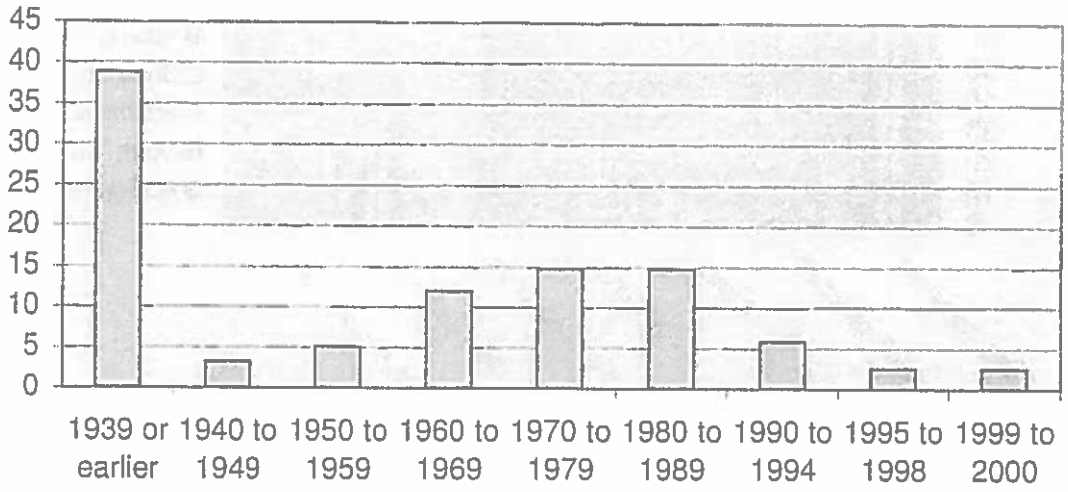
Value

High : 1600

Low : 1

Ulster Township has experienced relatively consistent growth since the 1940's. The graph below illustrates the number of housing units that were built in each particular decade.

Year Structure Built
Chart 2-4

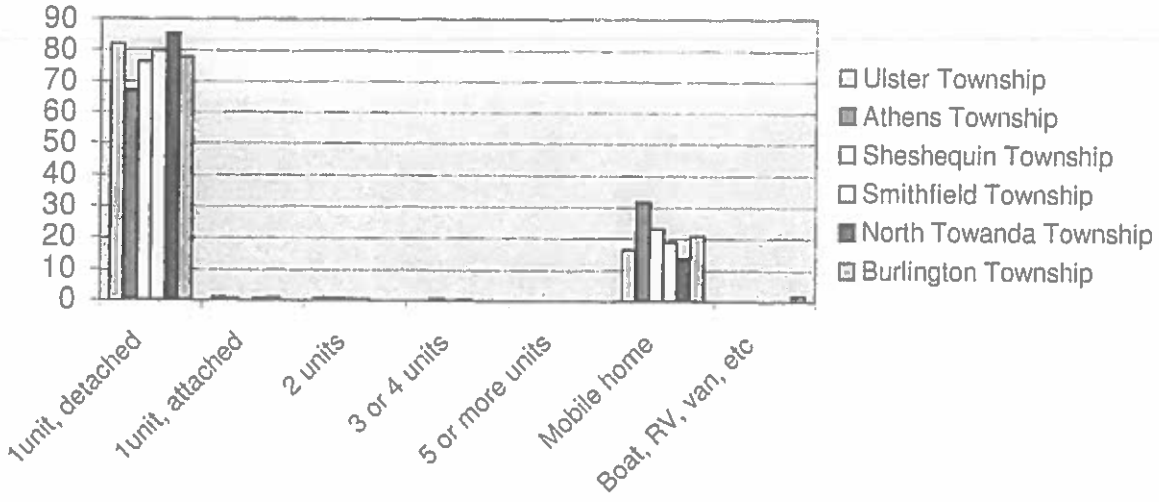


As easily seen in the chart above, Ulster Township has a significant number of homes built prior to 1939. This presents Ulster with a historic housing stock as well as a good percentage of newer homes mixed in. Approximately 35% of the homes in Ulster have been constructed since 1970.



Ulster Township consists of mainly single-unit detached dwellings. This is consistent with regional trends in housing.

Housing Type
Chart 2-5



Ulster Township has a median Household Value of $75,500. The township however offers housing from $15,000 to $250,000 in value. Table 2-2 below, shows the median housing value and median rent for Pennsylvania, Bradford County, Ulster Township, Sheshequin Township, North Towanda Township, and Athens Township.

Table 2-2 Source: US Census Bureau	Median Value		Median Rent	
	1990	2000	1990	2000
Pennsylvania	$69,700	$97,000	$322	$531
Bradford County	$50,900	$73,900	$231	$414
Ulster Township	$50,500	$75,500	$259	$433
Sheshequin Township	$52,800	$72,700	$206	$444
North Towanda Township	$79,200	$96,700	$143	$217
Athens Township	$67,900	$104,200	$278	$430

As stated earlier, renters occupy approximately 25 % of the township's housing units. These citizens experience a median rent of $433, however the range of rent is from $150 to $800 per month.

To conclude it is important to point out these other points:

- Ulster Township increased by 58 households since 1990. Below is a table showing the household breakdown, family and non-family

Table 2-3 Source: US Census Bureau	Total Households		Family Households		Non-Family Households	
	1990	2000	1990	2000	1990	2000
Pennsylvania	4,723,410	5,080,078	3,176,451	3,225,707	1,546,959	1,854,371
Bradford County	23,437	25,769	16,758	17,309	6,679	8,460
Ulster Township	488	546	365	390	123	156
Sheshequin Township	443	500	343	376	100	124
North Towanda Township	400	413	241	245	159	168
Athens Township	1,873	2,131	1,357	1,396	516	735

- The Average household size is 2.57 people per household
- Ulster Township offers two separate village settings and multiple opportunities to reside on large parcels of land

Goals

1. Preserve rural heritage
2. Identify historic structures in the Township
3. Encourage property owners to keep their properties well maintained
4. Attract young home buyers

Objectives

1. Inventory all historic structures
2. Investigate the possibility of structures and locations being listed on the National Historic Register
3. Investigate land use tools to separate different land uses
    a. Single family residence, multi-family residence, commercial, etc.
4. Work with residents to ensure compliance with the new Uniform Construction Code
5. Notify residents of housing rehabilitation grant programs available through the Bradford County Office of Community Planning and Grants 570-268-4103
6. Work with the Township Solicitor on effective property maintenance codes
7. Investigate the possibility of linkages to stronger infrastructure

Community Facilities

Community facilities include public safety, health care, education, and utility services that residents and businesses rely on for safe, clean communities to live and work in.

- **Police services are provided through the Ulster Township Police and the Pennsylvania State Police.** The Township employs 1 full time officer. The State Police barracks are located approximately 6 miles away in North Towanda Township. The Township police are in operation 40 hours a week and have one patrol car.

- **Fire services are provided by Sheshequin-Ulster Fire Department.** Their firehouse is located on Mill St. in the Village of Ulster

- **Enhanced 911** The County is continuously working on enhancing 911 for all county residents. Duplicate road names will be eliminated to ensure rapid and accurate response.

- **Education** Residents of Ulster Township attend Athens Area Schools, North Rome Christian Academy, St. Agnes, Epiphany, Notre Dame High School and other public and private schools

- **Health Care** Residents of Ulster Township count on the Robert Packer Hospital, Towanda Memorial Hospital, several local Guthrie Clinics, private physicians, etc.

- **Library** Ulster Township residents utilize the Mathers Memorial Library

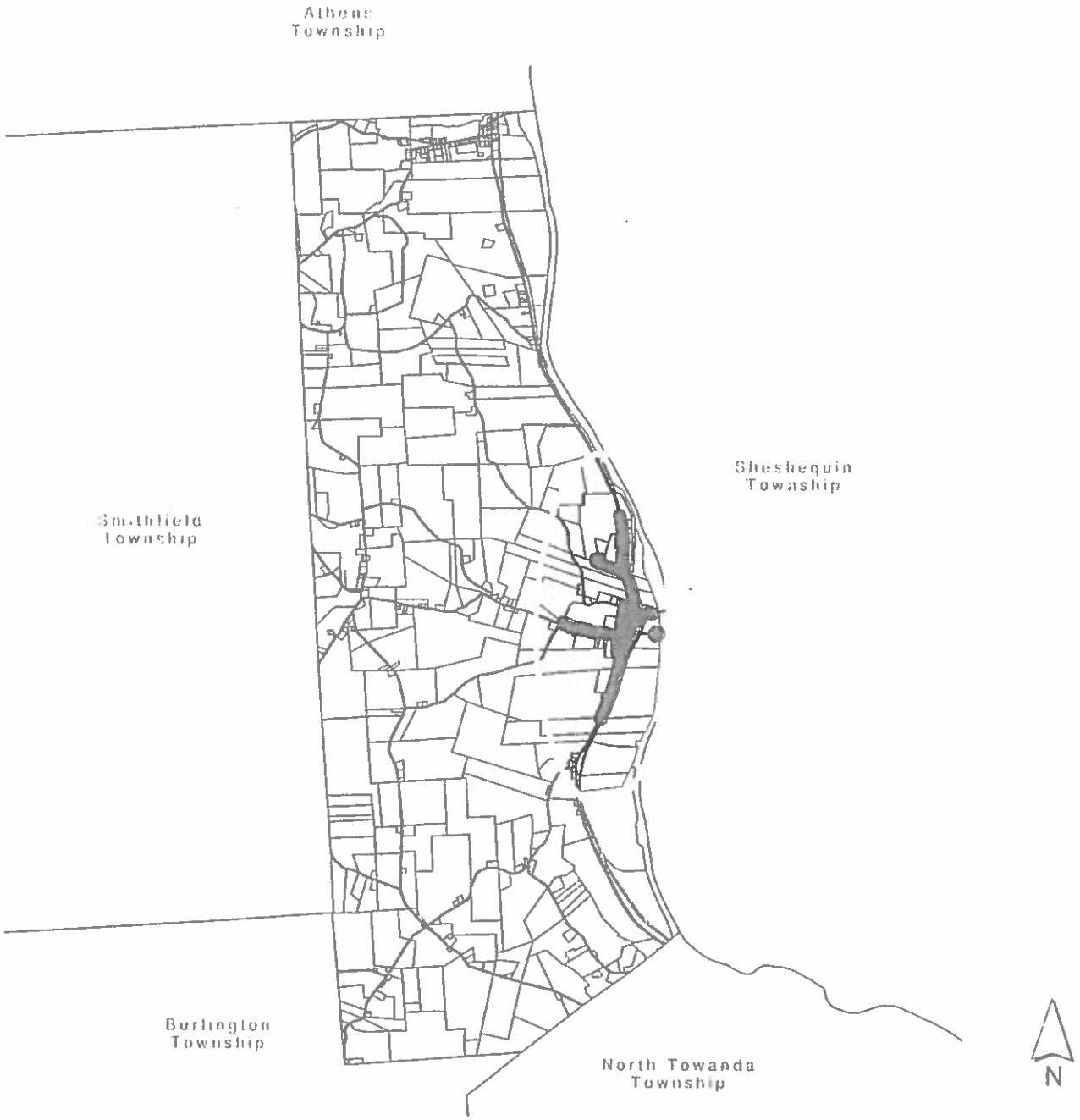
- **Water** The residents of Ulster Village have the opportunity to utilize public water from the Ulster Municipal Authority. The Authority serves 183 hookups. The Ulster Water Authority provides maintenance on the system. The system came on line in 1966. Extension to some areas outside the village are potential. (See Potential Water Extension Map)

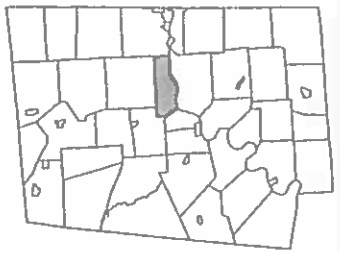
- **Sewer** Residents of the Township currently utilize private septic systems. There is potential from both ends of the township to gain public sewer in the future. The Towanda Sewer Authority is currently planning an extension to an area approximately one mile from the Ulster Township line. Also, in the near future Athens Township could bring sewer down into the area just across the line in Milan village. The planning commission and the Supervisors want to keep all lines of communication open to ensure they are not left out of discussions in piggybacking onto sewer lines in two nearby communities. Ulster Township will need to coordinate with several agencies including DEP and complete an Act 537 plan to stay in contention for this project. See Chapter 3.

- **Solid Waste** Northern Tier Solid Waste Authority offers a variety of programs including, recycling, tire collection, household waste, and more

- **Electricity** The Township is serviced by two different electric providers, Penelec and Tri-County REC

- **Telephone** Commonwealth Telephone and North Penn Telephone supply different areas of the Township with phone and data services





UlsterTownship

Water Potential
Map 2-11

BRADFORD COUNTY

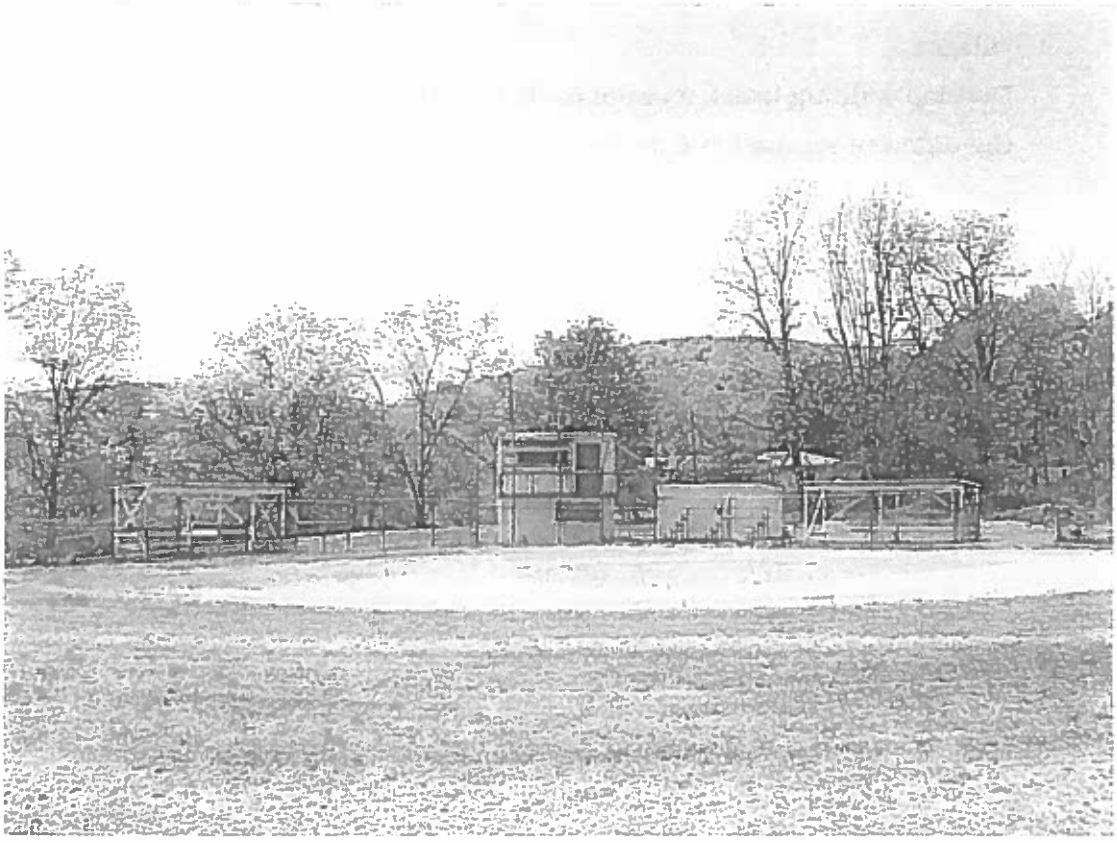
1 inch equals 1.32 miles

Legend

Existing Water Lines

Potential Future Service Area

- **Recreation**
  - Ulster Township offers 4 recreational venues
    - Totem Park
      - Playground, Pavilion, BBQ Pit, Open Space
    - Ulster-Sheshequin Rec Center
      - Roller-skating, Seasonal Celebrations, Scouting, Basketball, and more
    - Ulster Township Recreation Field
    - River Access
      - Boat and Pedestrian access to the North Branch of the Susquehanna River
    - Stacks Pond
      - Research and evaluate the possibility of conversion to park land pending the breaching of the pond

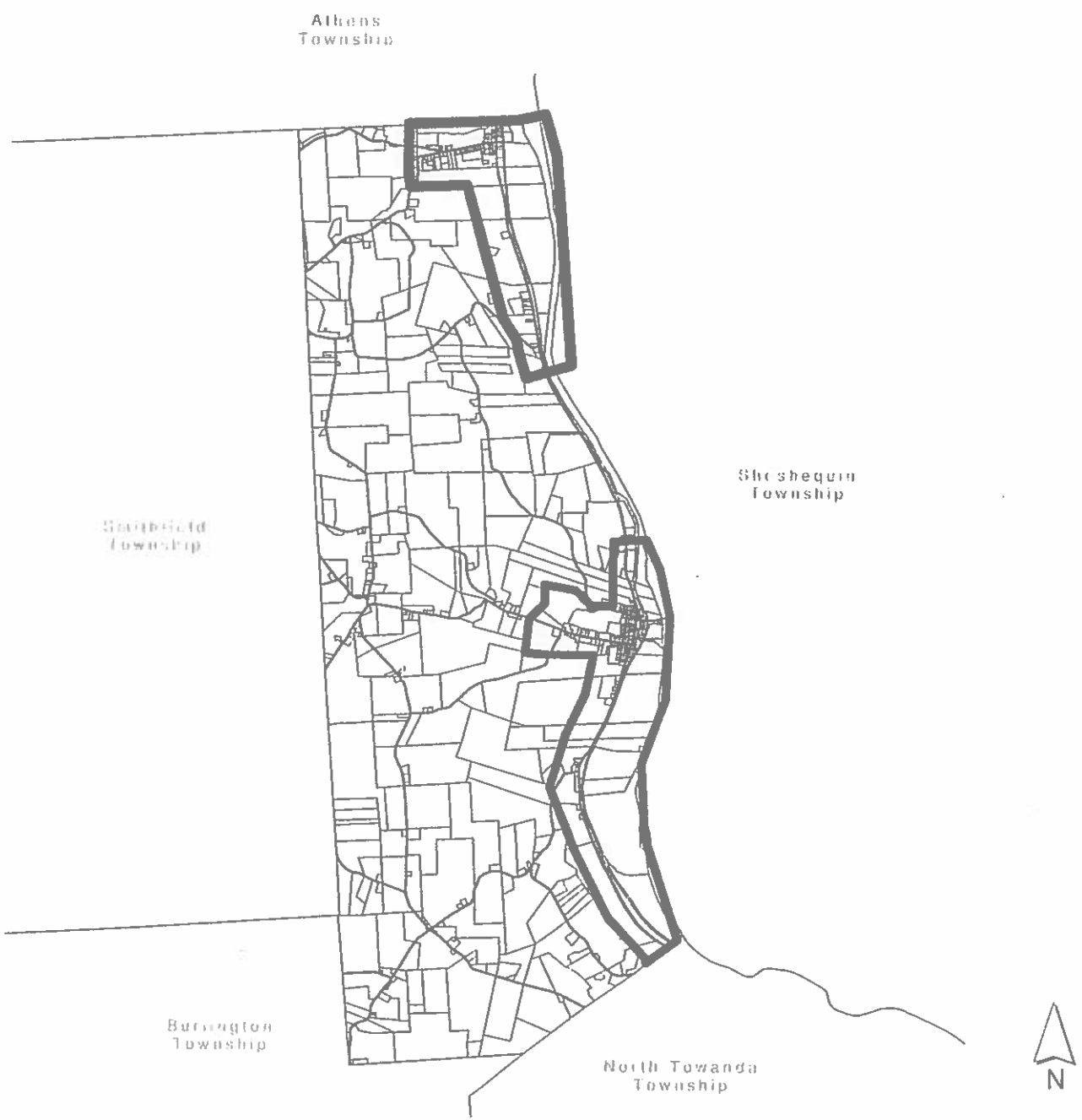


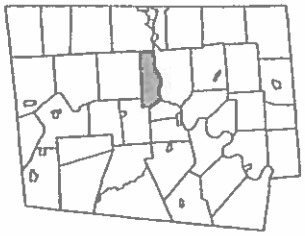
Goals

1. Retain and improve current facilities in the Township
2. Make residents aware of all of Ulster Township's assets
3. Investigate and work toward an appropriate Township Building
4. Improve recreational opportunities for residents
5. Maximize usefulness of the Susquehanna River Boat Access

Objectives

1. Upgrade and extend the public water system
2. Work to expand the facilities at the Ulster Township Recreation Field
3. Promote Susquehanna River Access
4. Develop a list of Community assets and assemble a brochure to let residents know about all the assets in the Township
5. Improve and maintain the Ulster-Sheshequin Rec Center
6. Investigate and follow the necessary steps to bring public sewer into the villages
7. Develop walking trails, a skate park, tennis courts, etc. on and around the different recreational areas in the Township





UlsterTownship

Sewer Potential
Map 2-4

BRADFORD COUNTY

1 inch equals 1.32 miles

Legend

Potential Sewer Coverage Area

Transportation

- **Residents Rely on personal automotive travel.** The main artery of Ulster Township's transportation is State Route 220. Map 2-5 illustrates the road network existing in Ulster Township. Ulster Township retains a large transportation asset in State Route 220. This major route connects many people north and south to the center portion of the state. Ulster Township is connected to five other municipalities. They share the most connections with Smithfield Township. State Routes 4014, 4001, 4004, and 4012 along with Township Routes 623, 702, and 652 connect Smithfield and Ulster Townships. Athens Township has two connections with Ulster Township one being SR 220 and the other SR 4014. North Towanda is connected to Ulster Township by way of SR 220, SR 4001, and T 576. SR 4002 and T 576 connect Burlington Township. The Bridge on SR 1022 connects Sheshequin Township. The Roadways play an important part in the movement of people and goods throughout Ulster Township. As well as just moving people and goods. The Roadways also tie together two distinct villages within the Township, Ulster and Milan. A study is being done by PennDOT on the 220 corridor between Milan and Greenslanding. It is important the Ulster Township remains involved with this project and follows any recommendation set forth in the study results. Finally, a large project with be underway in the next few years with serious impacts on the Village of Ulster. The Ulster-Sheshequin River Bridge will be replaced in the next few years. This project will divert some traffic away from the village and also create more traffic flow in the village due to residents not being able to leave the village across the bridge. It is important that the supervisors work with the bridge engineers to develop effective detour routes to limit traffic pattern changes.

- **Rail.** Along the eastern border of the Township, the Norfolk-Southern Railroad follows the river on the shoreline through Ulster, north and south. The line runs through Bradford County from the valley down through the northeast corner of Wilmot Township. There is approximately 50 miles of track running through the county, while approximately 8 miles of Ulster

Township is affected by this railway. Traffic on the rail is usually one train per day in each direction, about 40-50 cars combined. Cars usually deliver resource material to the Proctor & Gamble Plant in Mehoopany, Wyoming County from the north out of Gang Mills, Corning, NY. Now and then, salt is shipped south from the Finger Lakes Region. Other stops along the way sometimes include Osram-Sylvania, CMI, and a few feed and fertilizer plants. At this time, Norfolk-Southern has no intention of abandoning this segment of track or the entire Northern Tier line that spans Luzerne, Wyoming, and Bradford Counties. A few years ago, there was speculation that it may have become abandon immediately after Norfolk-Southern assumed ownership. Future possibilities of this happening may exist, and, if so, the Northern Tier Regional Transportation Advisory Committee would possibly assist the Commissioners in Bradford and Wyoming Counties to establish a Rail Authority to assume operation and maintenance. This would allow greater flexibility, on the region's behalf, to attract new businesses and industry that would utilize the track and the establishment of industrial spurs. The future of the line is uncertain; nevertheless, the region can pull together and establish an organization to retain the line for future economic and transportation benefits.

- **Public Transit** The Endless Mountain Transportation Authority offers public transportation to county residents. A variety of services are available, such as, home pick-up and scheduled pick-up. An updated schedule and locations of pick-ups are available at http://www.emtatransit.com or by calling 570-888-7330.

- **Pedestrians and Trails** Ulster Township has the potential to utilize a once popular market involving walking and riding. With a rural atmosphere and scenic river border, Ulster Township has the opportunity to develop a trail system to accommodate hikers, bikers, or just people looking for a summer stroll. Such trail ways are currently in the early stages of development by an organization called the Endless Mountains Heritage Region. This process would be a win-win situation for the township. The Heritage Region will do





UlsterTownship

Road Network
Map 2-5

BRADFORD COUNTY

1 inch equals 1.32 miles

Legend

- US TRAFFIC ROUTE
- PA STATE ROUTE
- TOWNSHIP ROAD
- PRIVATE DRIVE
- Norfolk-Southern Railroad

all the planning and construction. This is a project that the residents can sit back and enjoy the benefits it will provide. Other efforts could be made to revitalize the area around the bridge in Ulster Village to create a stop on the River Trail and bring in some tourism.

- A host of ideas are available for Ulster Township to utilize along the Susquehanna River. Some may include, a water trail down the river, possibly even a connection between the "Valley" and Towanda or beyond.
- Another tourism venue possibility is a bicycle network connecting the Valley to the US 6 bicycle trail.

- **Airports** There are no major commercial airports in Ulster Township or Bradford County. Residents of Ulster Township can utilize regional airports within a 100-mile radius. The closest commercial airport northeast of Ulster Township is the Elmira-Corning Regional Airport (27 miles) in Chemung County, NY that offers 35 daily flights to Detroit, Pittsburgh, Philadelphia and Washington, D.C. Two other regional airports within 50 miles are the Binghamton Regional Airport (37 miles) and the Williamsport Regional Airport (47 miles). Some airlines offered in the surrounding area are US Air, US Airways, US Airways Express, Northwest Airlines and United Express. Other airports, the Tompkins County Airport (45 miles), offers flights to Pittsburgh, Boston, New York (La Guardia) and Philadelphia on US Airways Express, and the Wilkes-Barre Scranton International Airport (51 miles). The Bradford County Airport, located in Towanda Township, 10 miles south of Ulster Township, may offer connections to these regional airports in the future. The Bradford County Airport recently underwent major improvements and runway expansion to accommodate business-class aircraft. The Bradford County Airport is continuously expanding and looks to offer Bradford County residents a great service for years to come

For a rural township, Ulster Township has access to some major highway routes. Ulster also has access to public transit, railways, future trails, and is within 100 miles of a group of regional and international airports. Residents, businesses and industry within the township are not isolated or cut-off from the rest of the world. Transportation improvements have carried Ulster Township from a rural, remote area to one that has greater connections to major retail locations.

Goals

1. Improve and Maintain Township Road Conditions
2. Support local rail business and help promote its agricultural benefits
3. Bring public transit further into the township
4. Hiking and Biking trails throughout the Township
5. Prioritize Road and Bridge Improvements
6. Support the Bradford County Airport
7. Promote and Assist in the development of the Endless Mountain Heritage Region Susquehanna River Trail
8. Provide for safe efficient movement of people and goods throughout the municipality
9. Minimize the costs and maximize the benefits of expenditures for streets and highways

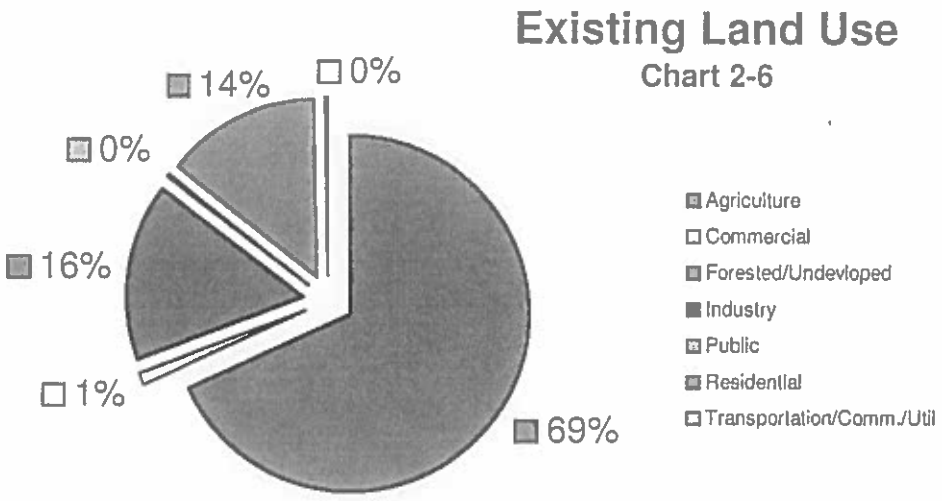
Objectives

1. Maintain the integrity of existing street and highway systems by preserving their intended or designed carrying capacity
2. Develop a five-year road and bridge improvement program
3. Systematically upgrade township road conditions and improve road surfaces at a reduced cost to taxpayers through joint municipal purchases
4. Minimize unnecessary or potentially hazardous conflicts at driveway intersections
5. Upgrade and improve the Susquehanna River Boat Access
6. Hold information session with the Endless Mountain Heritage Region to stay abreast of progress and to find out what the township can do to see the trail project completed

Land Use

Existing Land Use

- Ulster Township consists of 19 square miles of land
- The Ulster Township Existing Land Use Map (Map 2-6) depicts 7 specific land use types found throughout the municipality. They include Agriculture, Commercial, Forested/Undeveloped, Industry, Public, Residential, and Transportation/Utilities
- The majority of the municipality land use is agriculture, followed by residence, forested, commercial, transportation, public, and industry

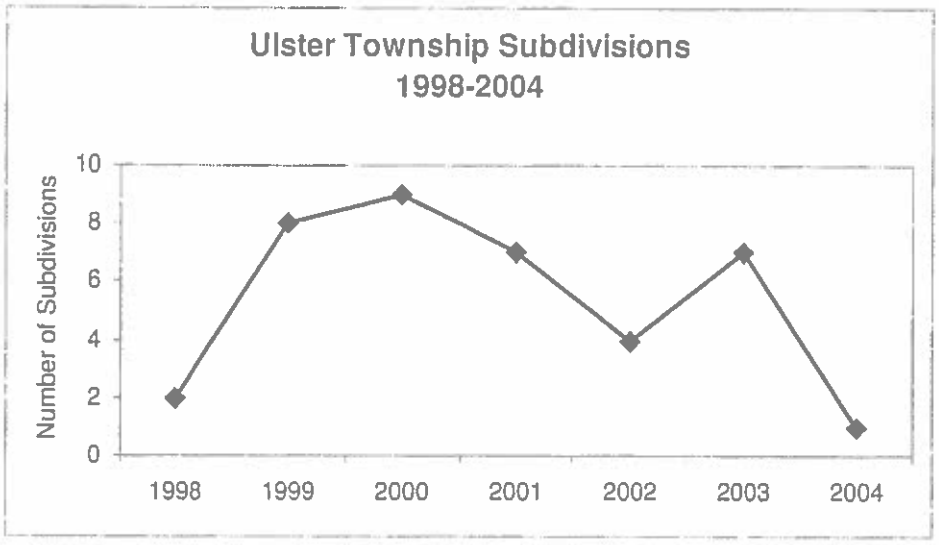


- Most of the Agricultural land found in the Township lies west of SR 220. This Agricultural land consists of approximately 8,000 acres (Mostly cropland)
- Ulster Township sits along a major transportation hub for Bradford County and beside a major waterway that restricts development for a large amount of lowlands in the floodplain
- Ulster Township has two villages within its municipal border. The village of Milan lies on the northern end of the Township and the village of Ulster lies in the center of the municipality along SR 220

- Both villages enjoy a mix of residential, commercial, and industrial land uses. The remainder of the township plays host to mainly agriculture, residential, and undeveloped land uses

Development Review

Over the last six years Ulster Township has experienced 38 Subdivisions. This includes minor and major subdivisions and minor and major land developments. Following is a chart showing the activity by year and also a map (Map 2-7) locating the subdivisions



Highlights of the Bradford County Subdivision and Land Development Ordinance:

- Bradford County reviews subdivisions for 46 of the 51 municipalities in the County
- Lot Size Requirements
  - On lot septic, On lot water
    - 1 acre
  - On lot sewer, Public water
    - 15,000 sq, ft
  - On lot water, Public sewer
    - 8,500 sq. ft

The Bradford County Sanitation Office has issued 40 Sewage Disposal System Permits since 1995. Following is a table showing the number of permits by year.

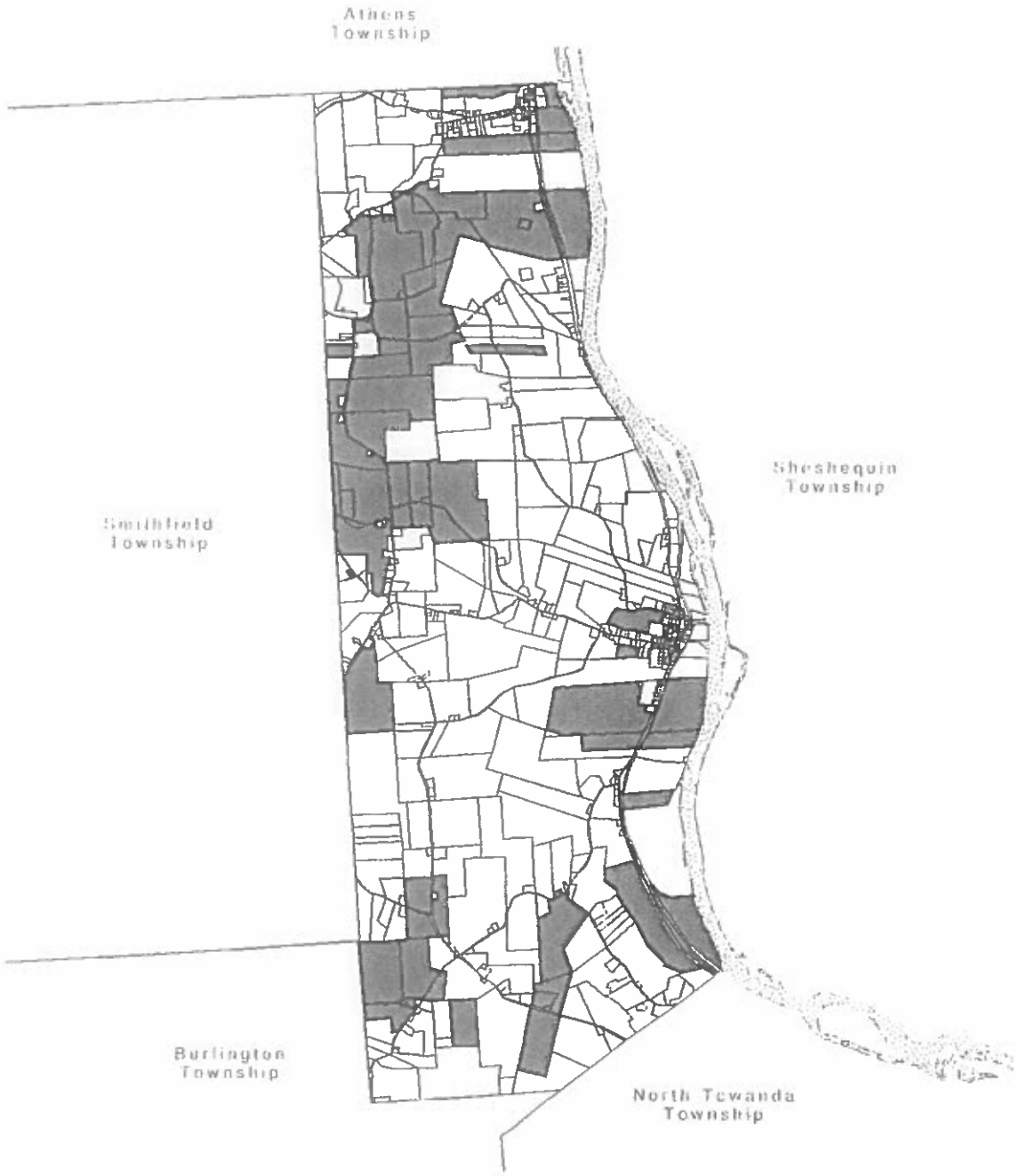
Table 2-4

1995	1
1996	2
1997	6
1998	3
1999	5
2000	9
2001	8
2002	2
2003	4

Agricultural Area Security Law

To combat the losses of agricultural land throughout the Commonwealth, the Agricultural Conservation Easement Program was developed in 1988 under an amendment to the Agricultural Area Security Law, Act 43 of 1981. This amendment–Act 149–allows local governments to purchase easements, (i.e., development rights) from owners of prime farmland. This program is currently funded by a two-cent tax per pack of cigarettes sold in the state, which annually generates approximately $20 million.

Prior to being purchased, the selected parcels must be included within an Agricultural Security Area (ASA). The ASA program was first created under Act No. 43 and it allows a landowner or landowners, who collectively own 250 or more acres of viable farmland, to protect their land from nonagricultural uses and obtain special considerations under local ordinances and state regulations. Unlike the conservation easement program, parcels included in an ASA are reevaluated every seven years and new parcels may be incorporated at any time.



Legend

ASA

Enrolled

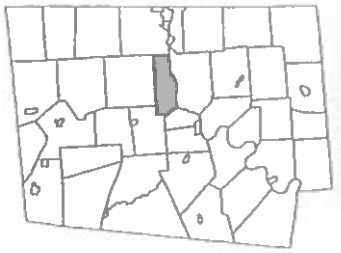
N

UlsterTownship

Agricultural Security Areas
Map 2-8

BRADFORD COUNTY

1 inch equals 1.29 miles







UlsterTownship

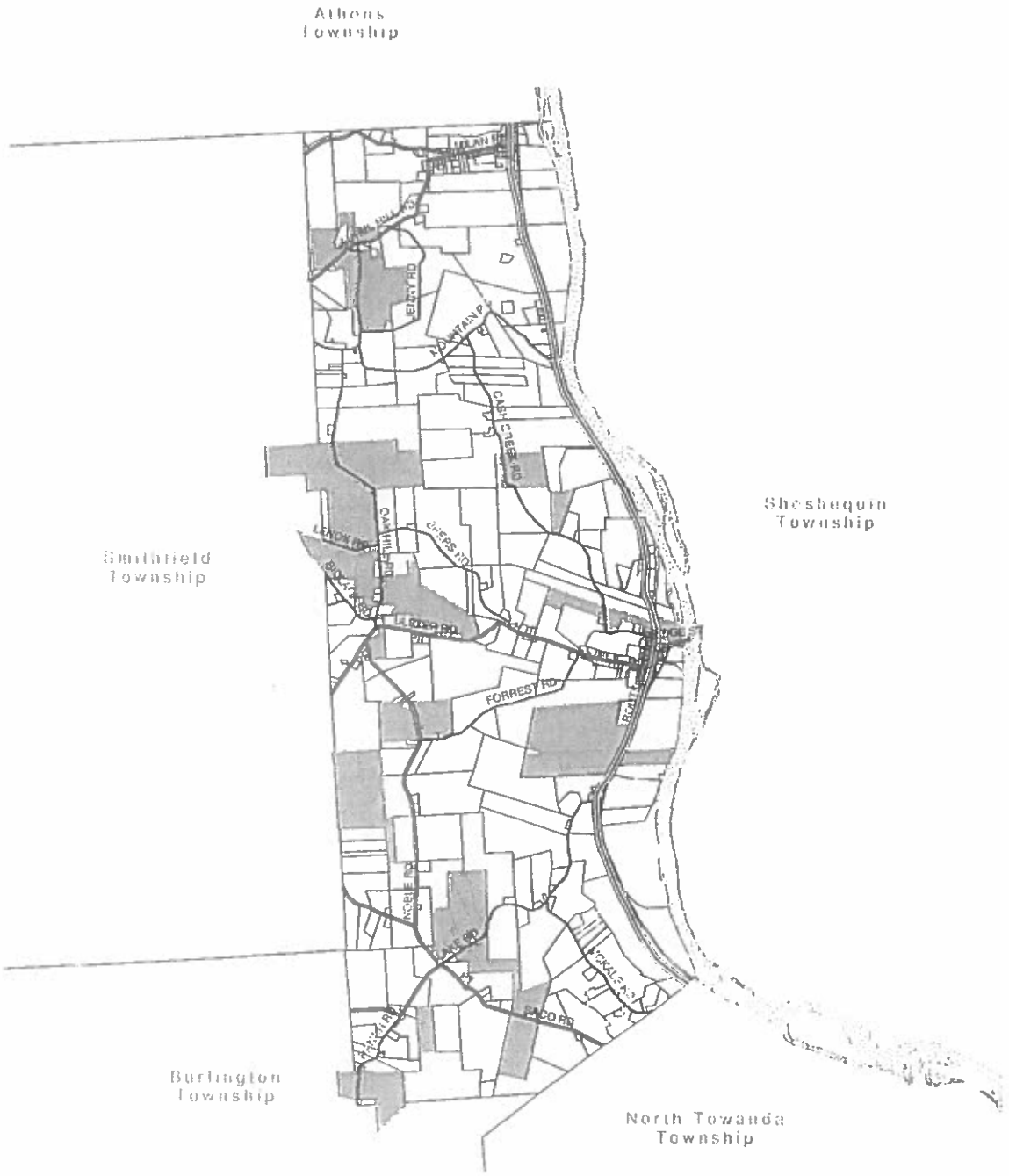
Existing Land Use
Map 2-6

BRADFORD COUNTY

1 inch equals 1.29 miles

Legend

- Agriculture
- Commercial
- Forested/Undeveloped Land
- Industrial
- Public
- Residential
- Transportation/Comm/Utility





UlsterTownship

Subdivision Activity
Map 2-7

BRADFORD COUNTY

1 inch equals 1.32 miles

Legend

Parcels involved in
Subdivision or Land Development
1998-2004

Many landowners in Bradford County have taken advantage of the ASA program and enrolled their properties. ASA properties are found across the County in all but five townships. The heaviest concentrations of such properties are located in Herrick, Pike, and Orwell Townships in the eastern part of the County. The following map shows the geographic distribution of parcels currently enrolled in the ASA program.

In addition to the ASA program, Pennsylvania has attempted to benefit farmers with reduced property taxes through the Clean and Green Program. Clean and Green is a Pennsylvania Department of Agriculture conservation program for land in agricultural use, agricultural reserve or forest reserve that adjusts the property tax rate for landowners enrolling in the program. The Department sets values annually. In order to be eligible, properties must meet certain requirements, including a minimum parcel size of 10 acres maintained as an agricultural or forest use property. The assessed value of these properties is then based on the land productivity value, rather than market value and a reduced property tax is collected. Once landowners remove the property from agricultural or forest use, the market tax rate is applied and rollback taxes plus interest are due.

The Clean and Green Program has proven beneficial to County landowners, however, the reduced tax revenue has been a challenge to local municipalities in some cases.

See Maps 2-8 and 2-9 for an illustration these programs in Ulster Township.

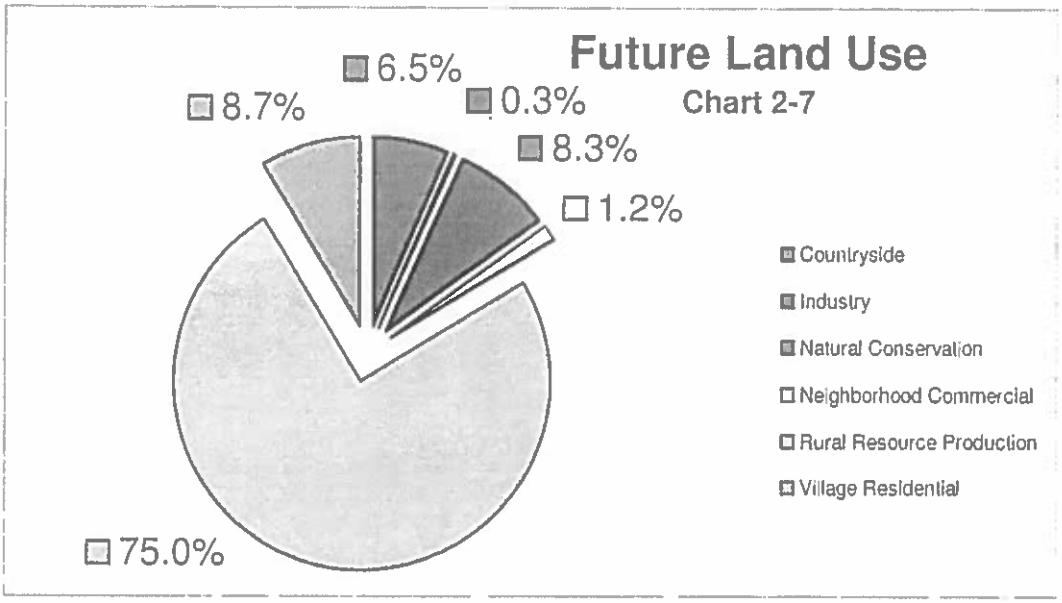
Note:
The Township has 4120 acres enrolled in Agricultural Security Areas and 5372 acres enrolled in Clean and Green.

Future Land Use

(MAP 2-10)

The existing land use contained broad categories to cover a variety of uses. The future land use categories were established to hone in on the present character and needs of Ulster Township

The very noticeable change is a separate residential district to promote low-density development in an area where there may not be infrastructure. Countryside, and a higher density residential area where infrastructure exists or is planned, Village Residential



- The intent of this future land use plan is to preserve rural resources and promote sound growth. However, this is simply a guideline and has no legal basis to control land use.

Definitions of the Future Land Use Growth Areas

Countryside Growth Area

Purpose

An area to promote low density residential development in an area not set up with infrastructure services (water, sewer, etc.) or where there are no infrastructure services planned

Residence	Hunting and Fishing	General Sales/Services
Agriculture	Recreation	
Forestry	Education	

Village Residential Growth Area

Purpose

An area to promote high density residential development in an area where some or all infrastructure services (water, sewer, etc.) are in place or planned

Residence
General Sales or Services
Recreation
Education
Agriculture

Rural Resource Production Area

Purpose

An area to encourage natural resource based industry to accommodate limited growth and development and an agricultural character

Agriculture	Hunting and Fishing	General Sales/Services
Residence	Recreation	
Forestry	Education	



Legend

N

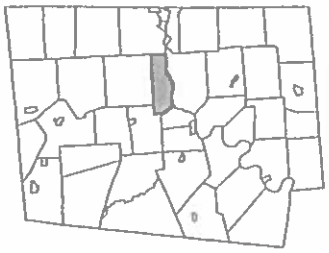
Clean and Green

Enrolled

UlsterTownship

Clean and Green
Map 2-9

1 inch equals 1.29 miles



Athens Township

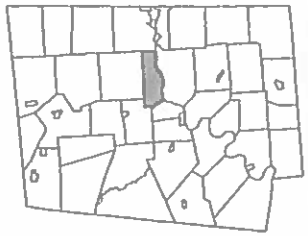
Sheshequin Township

Smithfield Township

Burlington Township

North Towanda Township

N



UlsterTownship

Future Land Use
Map 2-10

BRADFORD COUNTY

1 inch equals 1.18 miles

Legend

- Countryside
- Industry
- Natural Resource Conservation
- Neighborhood Commercial
- Rural Resource Production
- Village Residential

Neighborhood Commercial Growth Area

Purpose

An area to promote the location of low intensity retail and service establishments and commercial enterprises catering to the needs of the local residents while allowing residential and agricultural uses simultaneously

Banks	Service Stations	Professional offices
Restaurants	Cultural Facilities	Medical Offices
Vehicle Sales	Recreation	Public
Transportation	Agriculture	
Residence (High Density)		

Industrial Growth Area

Purpose

An area to promote development of small or large scale business primarily of the manufacturing and industrial nature with access to roads and infrastructure

Natural Resource Conservation Area

Purpose

An area to promote conservation of areas inhibited by floodplain, wetlands, steep slopes, etc.

Goals

1. Preserve the rural heritage currently existing in Ulster Township, with the availability of village living as well.
2. Promote sound growth and development.
3. Encourage homeowners to keep a well-kept homestead to give Ulster a positive image as many people commute through Ulster on a daily basis.
4. Develop a method of allowing land uses to be carried out in specialized areas of the Township
5. Protection of viable farmland and floodplain areas

Objectives

1. Develop local Zoning Regulations that consider the character of the Township, protect existing neighborhoods, accommodate new development needs, and avoid pollution and/or destruction of the area's natural resources.
2. Monitor existing sewage disposal systems and work toward a septic management program to ensure the health and safety of all residents.
3. Develop local Subdivision and Land Development Regulations
4. Preservation of agricultural areas through ASA designation and further, Agricultural Easements Purchases through the County

Chapter 3

Ulster Township Tomorrow

Implementation Strategies

Residents of Ulster Township have chosen to live in the Township for various reasons. They have been drawn by community and environmental character, employment opportunities in the region, and high quality municipal services, as well as other features. The residents of Ulster Township that responded to the survey have indicated that they have moved here and stayed here due to the rural atmosphere and the availability of Open space, Privacy and Clean Air. The following chapter is a set of strategies to maintain this quality of life



Natural and Historic Resources

Natural and historic resources are often overlooked in municipalities. These resources are a valuable asset to Ulster Township. The Ulster Township Planning Commission has identified a few goals and objectives to consider in the future as development may have an effect on these in the future.

- Ulster Township has minimal mining activity, however, just across the Susquehanna, Sheshequin Township has experienced some intensive quarrying
- Farming in the Township has begun to decrease steadily and lots are beginning to be spilt up for development
- Historic preservation is a possibility for the township.
    - Structures and/or districts have potential to be recognized on the National Historic Register
- Work with the Endless Mountains Heritage Region to evaluate any projects that organization can assist Ulster Township with

Goals

1. Utilize the Susquehanna River for events, socials, and recreation
2. Identify and utilize Open Spaces in the Township
3. Develop a Natural Resources Maintenance program for stream and river corridors, etc.
    a. Similar to "Adopt-a-Highway"
4. Develop an enjoyable riverfront area
5. Identify historic sites and structures in the Township
6. Hunt for artifacts, promote them in a local museum
7. Promote Totem Park

Objectives

1. Develop an Ulster Township Historical Society
2. Create linkages along natural corridors to connect the river access, the rec center, totem park, and the ball field.
3. Encourage youth groups to participate in developing Ulster Township's trails and park system.

Short Term

Limited Budget Impact

1. Issue a press release to the local newspapers informing Township residents of the adoption of the Comprehensive Plan.

2. Use the Comprehensive Plan and its policy recommendations to support those projects deemed to be in the best interest of the Township and its residents; as a mechanism to address future municipal trends and their likely impact on the Township; and as a tool to communicate the municipality's policies to interested citizens.

3. Maintain eligibility in the National Flood Insurance Program. Assure that any development in floodplain areas complies with National Flood Insurance Program regulations and provisions of the Pennsylvania Floodplain Management Act.

4. Encourage sound forest management practices as part of all commercial timber harvesting operations.

5. Support and promote educational programs that foster a greater understanding of the local environment and the need for protection of its sensitive areas.

6. Encourage "Clean and Green" tax benefit enrollments for agricultural properties only, as a means of discouraging subdivision or other types of land development from occurring in those areas.

7. Support current " Agricultural Security Area" designations for agricultural properties and promote additional landowner participation in the program.

8. Support landowner participation in the County's "Agricultural Land Preservation" program to protect agricultural properties from development pressures.

9. Encourage agricultural property owners to participate in various farm-related or land conservation organizations to maintain awareness and knowledge of available preservation assistance programs.

10. Promote an economy compatible with the character of the community and the quality of its environment.

11. Support municipal street naming efforts with the County's 9-1-1 Program to facilitate emergency dispatching and response.

12. Support the Local Area Schools in their efforts to provide quality education for students and up-to-date school facilities. Emphasize the importance of academic achievement for students.

13. Promote educational programs that recognize the rural character of the area, and encourage the School District to incorporate Township and regional history into the curriculum as a means of preserving the area's heritage for future generations.

14. Promote adult education or elder training opportunities and emphasize the value of lifelong learning.

15. Encourage thorough review by PENNDOT of all proposed new access points along state-owned collector roads to avoid creating potentially unsafe intersections and hazardous situations. Thoroughly review subdivision and land developments to ensure coordination of these proposals with State and Township highway plans and projects.

16. Monitor state and county transportation policies as they relate to proposed or potential improvement projects in and around the Township as a means of coordinating state and local planning efforts. Participate in county and regional transportation forums to ensure the Township's voice in these projects.

17. Maintain an ongoing relationship with the Bradford County Planning Office to stay abreast of pending programs and land-use or transportation issues that may affect the municipality.

18. Monitor and evaluate potential recreational improvements with the possible drainage of Stack's Pond.

Short Term

With Budget Impact

1. Develop local Subdivision and Land Development Regulations
    - Encourage sound growth
    - Eliminate Storm Water Problems
    - Influence the design and layout of proposed developments
    - Local control of the regulation
        - Currently under the Bradford County Subdivision and Land Development Ordinance.

2. Administer and enforce a local subdivision and land development regulations in an equitable, consistent manner throughout the Township.

3. Hold an annual "Community Clean-up Day" in conjunction with the Northern Tier Solid Waste Authority to help maintain the Township's overall appearance and enhance the community's sense of pride.

4. Work with Code Inspections Inc. to ensure construction is in accordance with the Uniform Construction Code.

5. Encourage participation in and budget dollars for attendance at state or county-sponsored training seminars or workshops for municipal officials and Planning Commission members.

6. Preparing and issue a periodic municipal newsletter. Seek donations from local businesses to help defray printing and/or mailing costs or consider other innovative distribution techniques, i.e. enclosing with annual tax notices or similar mailings.

7. Continue to require municipal Driveway Permits for the construction of all new driveways or accesses onto Township roads. Develop Driveway Design Guidelines and incorporate them into local subdivision and land development regulations to assure the safety of such installations.

8. Coordinate municipal road improvement projects with other utility installations where possible as a means of minimizing costs.

9. Formalize an ongoing improvement/maintenance program for all township owned roads and bridges, identifying by year those projects intended for completion. Develop a Five-Year Improvements Program to help plan for more road maintenance projects, budget for equipment purchases, and identify potential funding sources.

10. Develop an Act 537 Sewage Facilities Plan to identify problem areas and illustrate a need for sewer extension from Towanda or the "Valley".

11. Investigate the feasibility of extending sewer lines from Towanda or the "Valley" to Ulster Village and Milan Village.

12. Work with the recreation groups to develop more venues and support them with fundraisers and budget dollars.

13. Work with groups like the Boy Scouts of America to have a small shelter constructed at the Bus Pick-up.



Long Term

With Limited Budget Impact

1. Participate in programs aimed at sustaining aesthetically pleasing and environmentally sound development.

2.Support the preparation of storm water management plans for each of the County's watersheds by the Bradford County Planning Commission as funding becomes available.

3. Consider organizing a committee of Township farmers/property owners to help identify appropriate agricultural preservation concepts and assist in the development of reasonable agricultural regulations.

4. Work with local and regional historic organizations and knowledgeable local historians to develop a history of the Township and consult it when new projects or developments are proposed.

5. Consider organizing a Historic Committee made up of interested Township residents to identify historically significant structures and sites and determine the benefit of encouraging their registration on state and/or national Historic Registers.

6. Arrange for a local historian to provide a review of historical significance and impact for developments proposed in areas of the Township that have been identified as potentially historic.

7. Support Bradford County housing programs and forums aimed at educating community leaders and the public regarding housing issues, concerns, and needs.

8. Increase citizen awareness of potential fire hazards and emergency medical techniques (i.e. CPR) by supporting public education programs sponsored by local or regional fire or emergency personnel.

9. Coordinate planning for flood emergencies, hazardous materials emergencies, and medical emergencies with neighboring municipalities, local and county emergency management personnel and applicable service providers. Establish procedures for response to and/or mitigation of potential disaster situations.

10. Establish and maintain realistic plans for collecting, storing, and disposing of solid waste generated within the Township, including policies promoting recycling and the periodic collection of used appliances.

11. Encourage local participation in job training and retraining programs to maintain a skilled labor force.

12. Maximize the effectiveness and extent of limited State, Federal and local resources by coordinating major projects with adjacent municipalities or regional authorities when possible.

Long Term

With Budget Impact

1. Develop local Zoning Regulations that consider the character of the Township, protect existing neighborhoods, accommodate new development needs, and avoid pollution and/or destruction of the area's natural resources
    - Utilize existing trends
    - Discourage non-farm encroachment in agricultural areas
    - Consider the Townships naturally sensitive areas
    - Protect the Township's streams and watersheds
    - Require proper soil erosion and sediment control plans with all building permit applications
    - Recognize agricultural production as an important economic activity
    - Avoid mixing incompatible uses
    - Utilize buffer areas
    - Provide for all basic types of housing

2. Achieve maximum utilization of existing public utilities by encouraging development to locate in areas where such utilities already exist or could easily be extended thereby avoiding costly installations in scattered areas of the township.

3. Evaluate the current level of police protection provided to the Township by the local police force and the PA State Police.

4. Endorse and support local volunteer fire and ambulance protection provided by the Sheshequin-Ulster Volunteer Fire Department. Support necessary equipment upgrades and facility improvements, as appropriate and within the constraints of the budget.

5. Determine the interest in and feasibility of providing municipal recreation facilities within the Township to increase the variety of leisure-time activities available for residents. If sufficient interest is generated, appoint a committee to study the issue and develop a plan.

6. Investigate the benefits of regionalizing services such as sewage planning, zoning and codes administration, recreational or cultural facilities and programs, transportation projects, etc. Meet with neighboring municipalities to open lines of communication and discuss projects of mutual interest.

7. Continue the ongoing maintenance of Township roads and bridges. Undertake specific road improvement projects in accordance with a designated 5- Year Program and as monies become available.

8. Identify potentially hazardous intersections and develop plans to correct the identified problems. Work with PENNDOT where such intersections or problem areas involve State-owned routes. Lobby PENNDOT to include all such projects on their list of transportation improvement projects.

9. Periodically review the goals and objectives of this document to determine if updates or adjustments are necessary. Should unexpected changes occur, renew the planning process and prepare amendments.

Appendix

I. Legal Basis
II. Statement of Interrelationships
III. Survey Results
IV. Visioning Results

I. Legal Basis for Planning in Pennsylvania and Abstract of the Ulster Township Community Comprehensive Plan

The Municipalities Planning Code – Act 247
(As Amended in Act 67 & 68 of 2000)

In Pennsylvania, the adoption of planning elements such as the Official Map, Subdivision and Land Development Administration, Zoning, Capital Improvements Programming, Planned Residential Development, Traditional Neighborhood Development and even the Comprehensive Plan are not mandatory under the Municipalities Planning Code (MPC). These planning elements or tools are strictly voluntary programs that municipalities adopt as part of an overall planning agenda, if they so choose.

One fundamental element or "tool" that municipalities can adopt in the initial stages of a planning program is the Comprehensive Plan. Comprehensive Plans are not municipal laws, however, they are a set of policy measures for guiding future growth and development in a municipality. The plan provides township officials with a "blueprint" of how residents, businesses and industry envision their community's future. The "visioning" process can be as simple as a public meeting or contain several group discussions focusing on the development of a community vision or vision statement. This, again, is not mandatory under the "MPC" or any other planning related statute, however, it allows the community and its citizens to participate in the plan process from the bottom-up instead of a top-down approach.

A community that ultimately adopts a Comprehensive Community Plan and adheres to its policy will benefit greatly when issues and problems arise that relate to local planning. This engages the planned community to assume a proactive stance in such a situation, as opposed to a reactive stance in an unplanned community.

The Comprehensive Plan is not a panacea for every community issue or problem. Nevertheless, it can provide guidance to municipal elected officials and consistency among municipal initiatives and activities that cross municipal boundaries. One of the cornerstones of the Comprehensive Plan process involves the development of Overall Community Development Goals and Objectives. The Goals act as a "wish list" for the community to consider to improve or enhance the community. A Goal may be: To provide municipal

parks in walking distance of every resident. This can be a very daunting task for any municipality, but the goal does not have to be met overnight. On the other hand, Objectives tell us how the community can achieve the long-term or short-term Goal. An example that follows the previously mentioned Goal may be: 1. Produce an inventory of open space land in the municipality and determine the availability of such land for park development. 2. Prioritize potential open land considering proximity to schools, residences and linkages such as trails. In other words, the Objectives set a community in the right path towards fulfilling their Goals. Some may feel that Goals and Objectives are just wishes and simply that, nonetheless, they do provide a basis for pursuing projects and sound development within the community.

Another important part to the Community Comprehensive Plan includes mapping and data collection. For the most part, this task can be done simultaneously with the public input process. A township planning commission can collect a myriad of data and mapping resources with available GIS (Geographic Information System) technology and the Internet. County and Regional Planning Agencies usually retain a vast majority of the data needed to complete the Comprehensive Plan that may include current census data, wetlands and floodplain locations, parcel data and the like. This phase of the process is not just a scavenger hunt for data, but it does allow the community to collect as much information as possible to ascertain growth trends, available housing stock, existing and future land use projections and transportation/pedestrian priorities.

In Pennsylvania, the Community Comprehensive Plan should contain the basic components illustrated under Article III Section 301 of the MPC:

1. A statement of objectives of the municipality concerning its future development, including, but not limited to, the location, character and timing of future development, that may also serve as a statement of community development objectives (as provided in Section 606, MPC).

2. A plan for land use, which may include provisions for the amount, intensity, character and timing of land use proposed for residence, industry, business, agriculture, major traffic and transit facilities, utilities, community facilities, public grounds, parks and recreation, preservation of Prime Agricultural Land, floodplains and other areas of special hazards and other similar uses.

2.1 A plan to meet housing needs of present residents and of those individuals and families anticipated to reside in the municipality, which may include the conservation of presently sound housing, rehabilitation of housing in declining neighborhoods and that accommodation of expected new housing in different dwelling types and at appropriate densities for households of all income levels.

3. A plan for movement of people and goods, which may include expressways, highways, local street systems, parking facilities, pedestrian and bikeway systems, public transit routes terminals, airfields, port facilities, railroad facilities and other similar facilities or uses.

4. A plan for community facilities and utilities, which may include public and private education, recreation, municipal buildings, fire and police stations, libraries, hospitals, water supply and distribution, sewerage and waste treatment, solid waste management, storm drainage and flood management, utility corridors and associated facilities, and other similar facilities and uses.

4.1 A statement of the interrelationships among the various plan components which may include an estimate of the environmental, energy conservation, fiscal, economic development and social consequences on the municipality.

4.2 A discussion of short- and long-range plan implementation strategies, which may include implications for capital improvements programming, new or updated development regulations, and identification of public funds potentially available.

5. A statement indicating that the existing and proposed development of the municipality is compatible with the existing and proposed development and plans in contiguous portions of neighboring municipalities, or a statement indicating measures which have been taken to provide buffers or other transitional devices between disparate uses, and a statement indicating that the existing and proposed development of the municipality is generally consistent with the objectives and plans of the county comprehensive plan.

6. A plan for the protection of natural and historic resources to the extent not preempted by Federal or State law. This clause includes, but is not

limited to: wetlands and aquifer recharge zones, woodlands, steep slopes, prime agricultural land, flood plains, unique natural areas and historic sites. The plan shall be consistent with and may not exceed those requirements imposed under the following:

(i) Act of June 22, 1937 (P.L. 187, No. 394), known as "The Clean Streams Law";

(ii) Act of May 31, 1945 (P.L. 1198, No. 418), known as the "Surface Mining Conservation and Reclamation Act";

(iii) Act of April 27, 1966 (1st Sp. Sess., P.L. 31, No.1), known as "The Bituminous Mine Subsidence and Land Conservation Act";

(iv) Act of September 24, 1968 (P.L. 1040, No. 318), known as "The Coal Refuse Disposal Control Act";

(v) Act of December 19, 1984 (P.L. 1140, No. 223), known as "The Oil and Gas Act";

(vi) Act of December 19, 1984 (P.L. 1093, No. 219), known as "The Noncoal Surface Mining Conservation and Reclamation Act";

(vii) Act of June 30, 1981 (P.L. 128, No. 43), known as "The Agricultural Area Security Law";

(viii) Act of June 10, 1982 (P.L. 454, No. 133), entitled "An Act protecting agricultural operations from nuisance suites and ordinances under certain circumstances"; and

(ix) Act of May 20, 1993 (P.L. 12, No. 6), known as "The Nutrient Management Act", regardless of any agricultural operation within the area to be affected by the plan is a concentrated agricultural operation as defined under the act.

7. In addition to any other requirements of the act, a county comprehensive plan shall:

(i) Identify land uses as they relate to important natural resources and appropriate utilization of existing minerals.

(ii) Identify current and proposed land uses which have a regional impact and significance, such as large shopping centers, major industrial parks, mines and related activities, office parks, storage facilities, large residential developments, regional entertainment and recreational complexes, hospitals, airports and port facilities.

(iii) Identify a plan for the preservation and enhancement of prime agricultural land and encourage the compatibility of land use regulation with existing agricultural operations.

(iv) Identify a plan for historic preservation.

The comprehensive plan shall include a plan for the reliable supply of water, considering current and future water resource availability, uses and limitations, including provisions adequate to protect water supply resources. Any such plan shall be generally consistent with the State Water Plan and any applicable water resources plan adopted by a river basin commission. It shall also contain a statement recognizing that:

Lawful activities such as extraction of minerals impact water supply sources and such activities are governed by statutes regulating mineral extraction that specify replacement and restoration of water supplies affected by such activities.

The municipal or multimunicipal comprehensive plan shall be reviewed at least every ten years. The municipal or multimunicipal plan shall be sent to the governing bodies of contiguous municipalities for review and comment and shall also be sent to the Center for Local Government Services for informational purposes. The municipal or multimunicipal comprehensive plan shall also be sent to the county planning commissions, or upon request of a county planning commission, a regional planning commission when the comprehensive plan is updated or at ten year intervals, whichever comes first, for review and comment on whether the municipal or multimunicipal comprehensive plan remains generally consistent with the county comprehensive plan and to indicate where the local plan may deviate from the county comprehensive plan.

The municipal, multimunicipal or county comprehensive plan may identify those areas where growth and development will occur so that a full range of public infrastructure services, including sewer, water, highways, police and fire protection, public schools, parks, open space and other services can be adequately planned and provided as needed to accommodate growth.

Ulster Township may adopt and amend the comprehensive plan as a whole or in part. Before adopting or amending the comprehensive plan or any part thereof, the Ulster Township Planning Commission shall hold at least one public meeting before forwarding the proposed comprehensive plan or amendment thereof to the Ulster Township Supervisors. In reviewing the proposed comprehensive plan, the Supervisors shall consider the comments of the county, contiguous municipalities and school district, as well as the public meeting comments and the recommendations of the Ulster Township Planning Commission. The comments from the county, contiguous municipalities and the local school district shall be made to the Ulster Township Supervisors within 45 days of receipt by the Supervisors, and the proposed plan or

amendment thereto shall not be acted upon until such comment is received. If, however, the contiguous municipalities and the local school district fail to respond within 45 days, the Ulster Township Supervisors may proceed without their comments.

Ulster Township Supervisors shall hold at least one public hearing pursuant to public notice. If, after the public hearing held on the proposed plan or amendment to the plan, the proposed plan or proposed amendment thereto is substantially revised, the Ulster Township Supervisors shall hold another public hearing, pursuant to public notice, before proceeding to vote on the plan or amendment thereto.

The adoption of the comprehensive plan, or any part thereof, or a few amendments thereto, shall be by resolution carried by the affirmative votes of not less than a majority of all the members of the Ulster Township Supervisors. The resolution shall refer expressly to the maps, charts, textual matter and other matters intended to form the whole or part of the plan, and the action shall be recorded on the adopted plan or part.

Any subsequent proposed action of Ulster Township Supervisors, its departments; agencies and appointed authorities shall be submitted to the Ulster Township Planning Commission for its recommendations when the proposed action related to:

(1) The location, opening, vacation, extension, widening, narrowing, or enlargement of any street, public ground, pier head or watercourse.

(2) The location, erection, demolition, removal of sale of any public structure located within Ulster Township; or

(3) The adoption, amendment or repeal of an official map, subdivision and land development ordinance, zoning ordinance or provisions for planned residential development, or capital improvements program; or

(4) The construction, extension or abandonment of any waterline, sewer line or sewage treatment facility.

The recommendations of the Ulster Township Planning Commission including a specific statement as to whether or not the proposed action is in accordance with the objectives of the formally adopted comprehensive plan shall be made in writing to the Ulster Township Supervisors within 45 days.

The Comprehensive Plan is a living document that will ultimately provide Ulster Township Government with both a short- and long-term implementation strategies for various projects that relate to community development. The Municipalities Planning Code is a State guide that assists the municipality in formulating a document that is consistent with state regulations and the county comprehensive plan.

Throughout the following chapters, you, the reader, will learn more about Ulster Township's community resources, character, its past and goals the community has set for itself to progress within the next five to ten years. Some of the goals may seem far-reaching, however, it is the intent of this plan to strive for community betterment and provide a template for guiding Ulster Township's future.

Please keep in mind that many volunteer hours have been dedicated to this effort. The Ulster Township Planning Commission spent numerous hours developing this document and learning more about what municipal comprehensive planning entails in Pennsylvania. In addition, the citizens of Ulster Township should be commended for the time and dedication they offered during the community survey and the community-visioning meeting.

Overall, this Community Comprehensive Plan for Ulster Township will provide you with detailed account of trends and forces that shape this community. It will also attempt to touch upon how Ulster Township fits within the surrounding region and Bradford County.

II. Statement of Interrelationships among the Various Plan Components

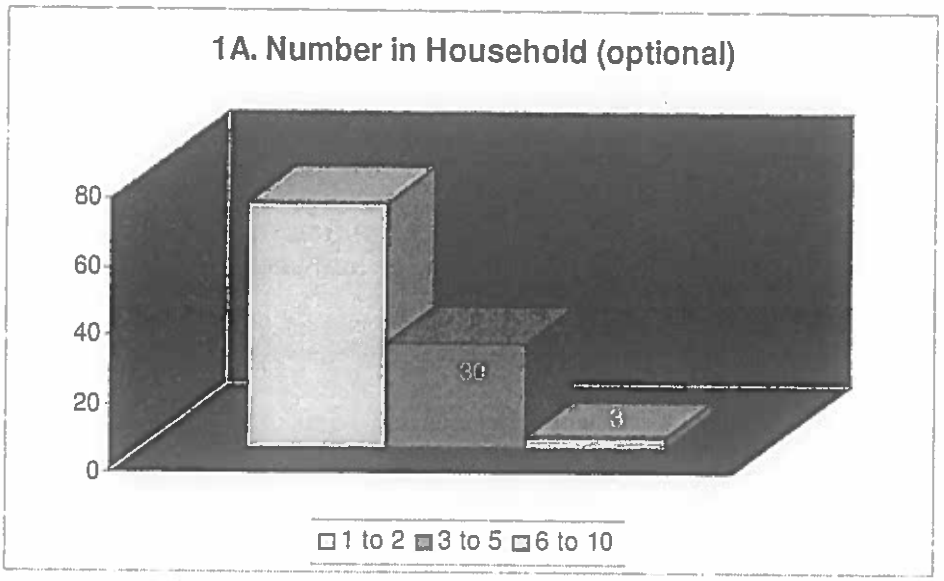
The components of this Ulster Township Community Comprehensive Plan have been written and presented as independent pieces of data, text, mapping, and goals for the Township leadership and its Planning Commission to consider within the next five to ten years. It is inconceivable that a decision will be made without consulting various components set forth within this plan. A decision to move forward with one component goal ultimately affects other component goals and objectives. Moreover, it is recommended that the Ulster Township Planning Commission make recommendation to the Ulster Township Supervisors when issues arise related to floodplain, community facilities, existing and future land use, housing, transportation, historic preservation or Natural Resources. The Planning Commission may then weigh the importance of a proposed project with the adopted municipal goals and objectives. The conclusion of each component includes a set of distinct goals that provide the Township leadership with a desired target for community growth and development. Accompanied with these goals are sets of objectives, or steps, that will ultimately guide Ulster Township towards achieving these goals. The overall rationale for creating this plan centers on considering all aspects of community before moving forward with a public or private project.
The Ulster Township plan components, along with the individual sets of goals and objectives, shall be consistent with other plans and regulations the Township adopts in the future. In addition, the components and contents of this plan shall be consistent with the revised Bradford County Comprehensive Plan.

The Ulster Township Planning Commission shall annually review the progress that has been made in implementing each component. The last chapter " Implementation Strategies" will outline projects that will implement plan components in both the short-term and long-term.

III. Ulster Township Survey Results

A total of 805 surveys were mailed out to residents and landowners of the township. Drop boxes were placed at various locations around the township for drop-off. A total of 117 surveys were returned, 15%. About 50% were mailed and the other 50% were dropped off in the drop boxes. One concern was that the drop boxes were not sealed. It is important to state that this is a survey and is only being used to gather ideas from the public for a thorough comprehensive plan.

Throughout this report, a series of charts and comments have been analyzed to find a general consensus within the township on a series of issues that will contribute to your Comprehensive Plan.



As you see illustrated in the chart above, the majority of households have only two members. This statistic reflects the aging population of the whole county and the region. The second range of 3 to 5 family members is the second highest chosen category, which logically seems to signify small families with children. The occurrence of larger families has gone down significantly over the years. The days of large families being needed to help work the family farm are gone and the trend, generally, is for smaller families.

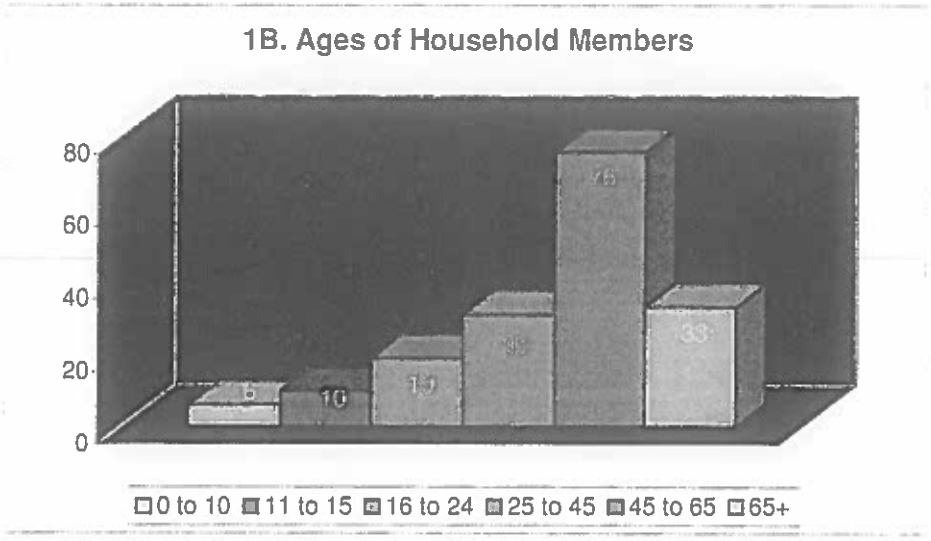


Chart #1B illustrates another familiar regional statistic: the local population is aging. The college age and youth population are leaving to seek more plentiful and varied opportunities in other areas. This is a growing concern county and statewide. One very active program to prevent this is the Stay Invent the Future Campaign. This is a very large campaign that offers a host of grants and programs for areas to attract young people and keep them around.

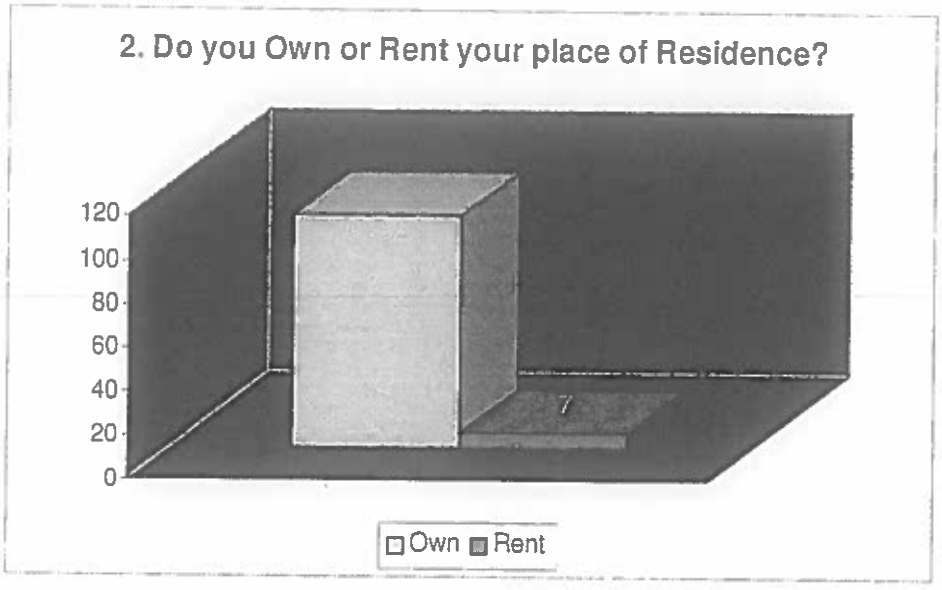


Chart #2 illustrates another regional trend, the presence of an almost exclusive single-family ownership housing stock. Alternative housing is needed in most of the county. Some possibilities to improve the diversity of housing in the township are a controlled mobile home park, senior housing, or Habitat for Humanity programs. A controlled mobile park is one with regulation regarding landscaping, housing presentation, and overall appeal.

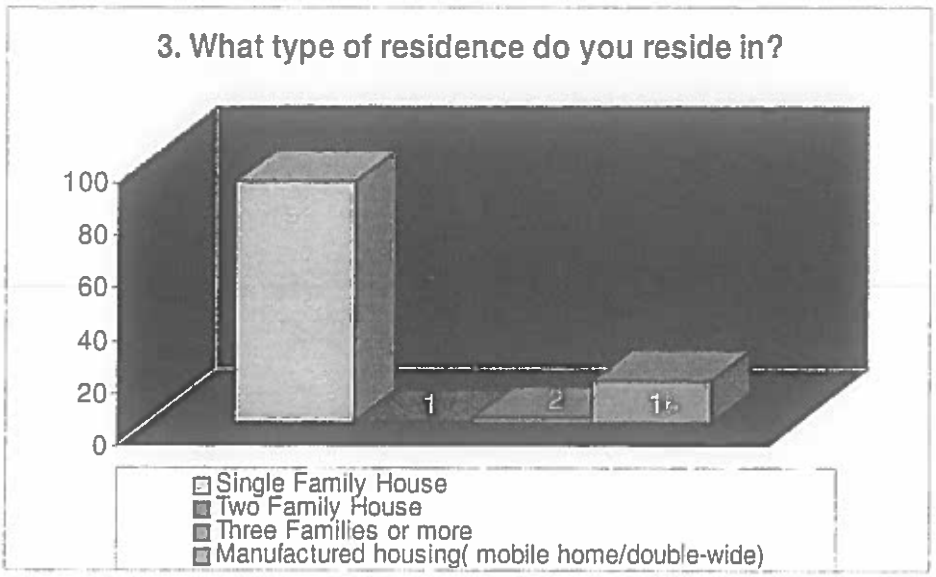
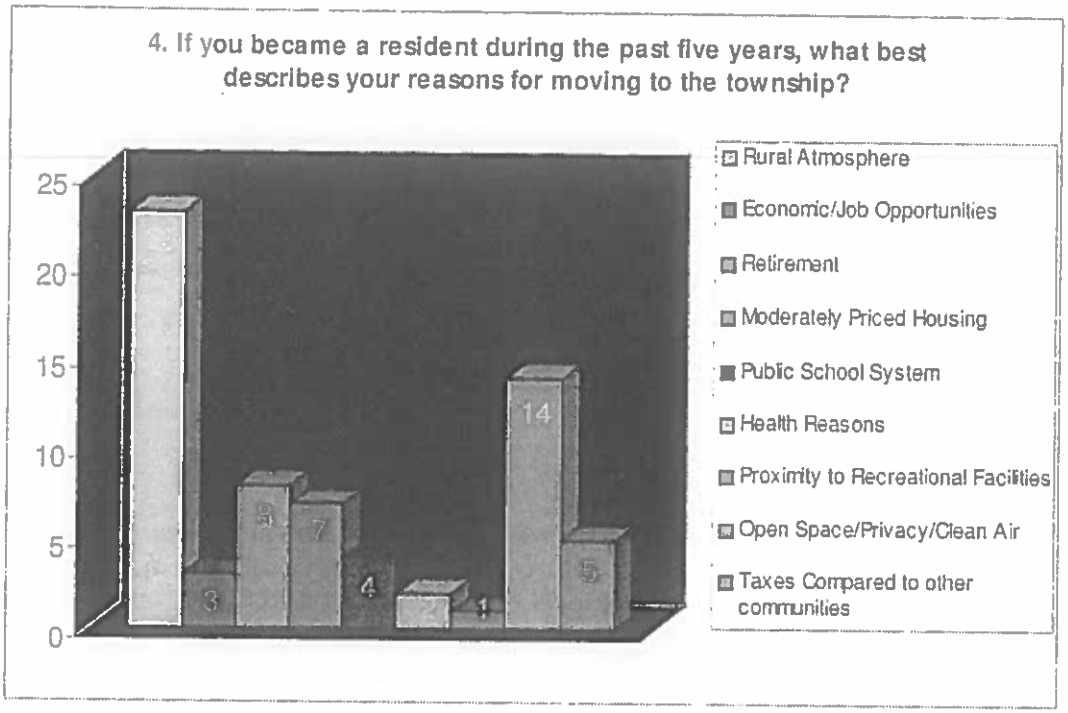


Chart #3 reiterates the previous point in regard to single-family housing. As illustrated, a large majority of survey respondents have stated that they live in single-family residential structures. The nearest category is the manufactured home class. This again shows a need for more housing diversity within the township.

Question #3 comments:

STICK BUILT
LAND
HUNTING CABIN
VACATION

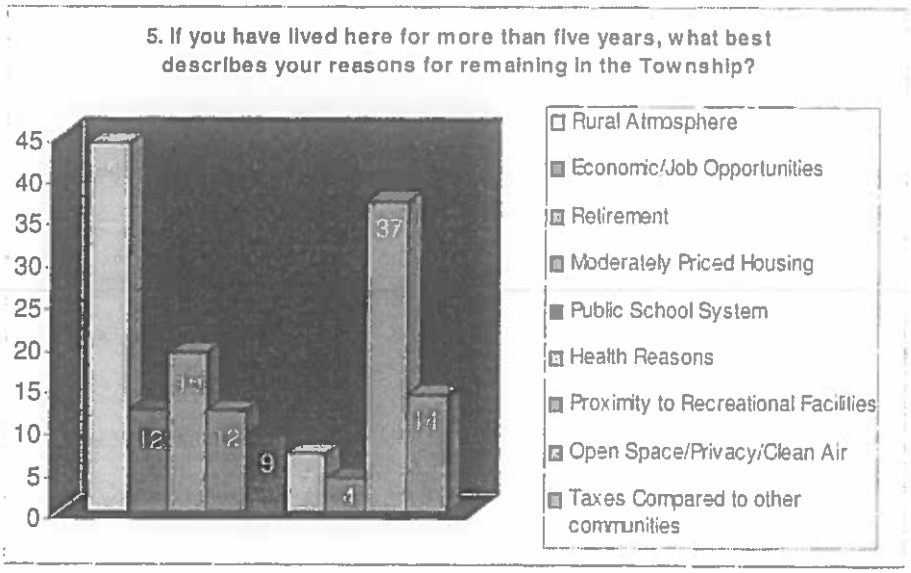
The next few charts are concerned with specific aspects of Ulster Township Life.



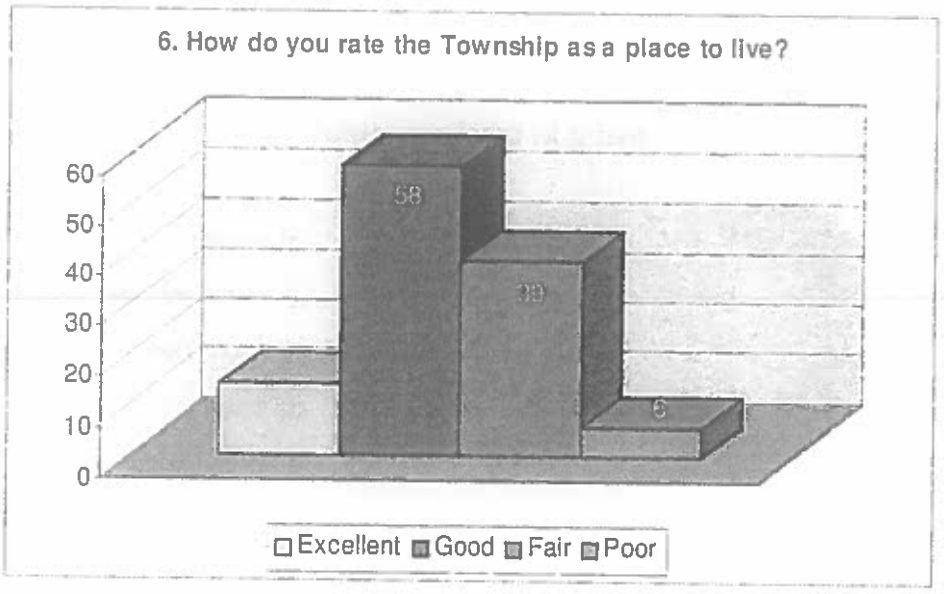
Respondents had the opportunity to circle all response that applied. The two largest choices were rural atmosphere and open space/privacy/clean air. Ulster Township definitely offers a great amount of rural living and open space. Rural preservation is a topic brought up a lot in this area and can only be accomplished in one way, planning.

Question #4 comments:

PEOPLE THAT MIND THEIR OWN BUSINESS
PROXIMITY TO HEALTH FACILITIES
PROXIMITY TO HEALTH FACILITIES
30 YEARS
BECAUSE THERE IS NO ZONING
FARM LAND
PROXIMITY TO WORK
LOCATION OF EMPLOYMENT
HUNTING
PROPERTY



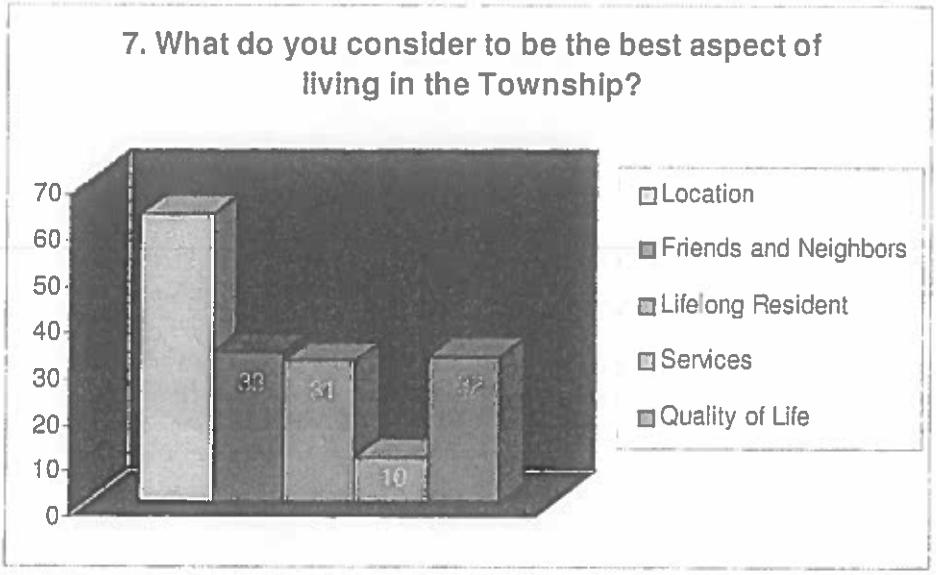
Question #5 was the same as number #4 but was directed at people who have resided in the township for more than five years. Again rural atmosphere and open space dominated the other choices. In question 4 and 5, there was an even spread of selections among the other choices. It is evident that the preservation of Ulster Township is on the minds of its citizens.



Question #6 Comments:

EXCELLENT BUS TRANSPORTATION
NICE TO HAVE A POLICE DEPT
KEEP CONTROL OF THINGS WITH THE PEOPLE, NOT A SECRET GROUP OF 5 OR 7
OK
CLEAN UP HOMES
VERY POORLY MANAGED
PAVE ALL ROADS
LACK OF DIRECTION
ROADS ARE REPAIRED TOO SLOW

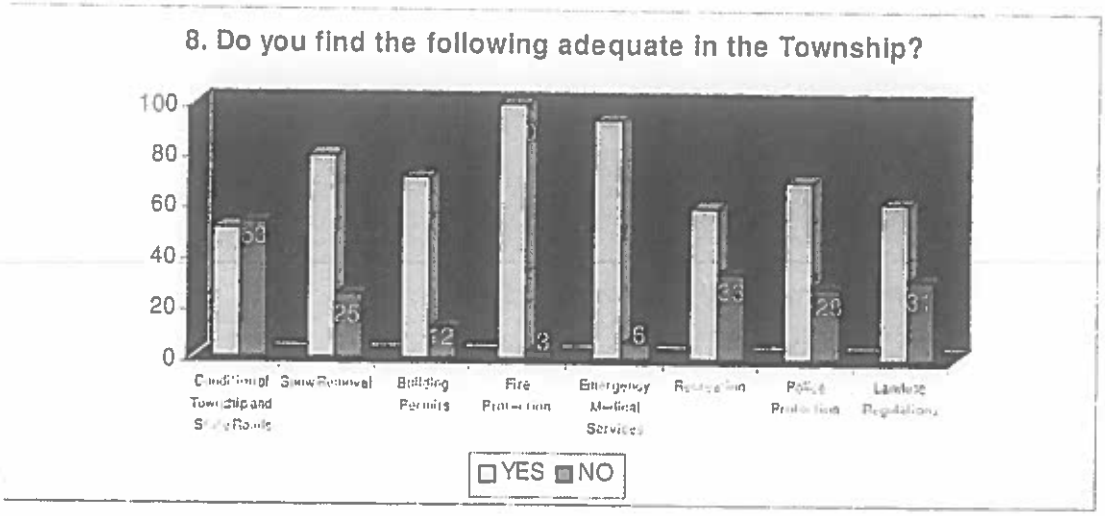
When asked, How would you rate the township as a place to live? , a majority responded that it is a good or fair place to live. A few call Ulster Township an excellent place to live and a few citizens find the township a poor place to live. Among the comments it is important to note there is an excellent bus system serving the township.



Question #7 Comments:

GOOD BUS AND TAXI SERVICE
PEACE AND QUIET
KEEP CONTROL WITH VOTING
NO ZONING

Overall the best aspect of living in Ulster Township is the location. Friends and Neighbors, lifelong residency, and quality of life were all in a close tie for second. The comment within this question note the bus service again and a comment about no zoning being the best aspect about living in the township. A comprehensive plan is not a legal document; it is only a guideline for the elected officials to follow. A comprehensive plan is not zoning. Zoning requires the adoption of an ordinance that follows suggestions made in the comprehensive plan.



Question #8 Comments: residents were asked to explain negative comments

Condition of township and state roads:

ADDING GRAVEL DOES NOT CONSTITUTE AS MAINTENANCE
CONDITION AND OILING OF ROADS HAVE GREATLY IMPROVED PAST THREE YEARS, PLEASE CONTINUE PROBLEMS
DIRT ROADS NEED PAVED
EXCELLENT JOB BY ROAD DEPARTMENT
LINES ON THE ROADS ARE ALWAYS WORN AND NEVER LAST
LOVE THE TAR AND CHIPS
MANY ROADS DOWN TO ORIGINAL FOUNDATION
NEED PROPER MATERIALS PUT ON ROADS-SAVE MONEY IN LONG RUN
NEED ROAD IMPROVEMENTS (3)
NO PAVEMENT, BLOCKS DRIVEWAY
POOR ROAD CONDITIONS (3)
POOR ROADS
ROADS(4)
ROADS NEED IMPROVEMENT, EXPAND POLICE COVERAGE, RESTRICT LAND USES
ROADS ON THE HILL NEED GRADING
ROADS SUCK(2)
SACO ROAD POTHOLES
SOME ROADS
TOO MUCH MONEY BEING SPENT ON LABOR AND EQUIPMENT, NOT ENOUGH MONEY PUT INTO ROAD
TOWNSHIP ROADS ARE IN BAD SHAPE
TOWNSHIP ROADS ARE NOT KEPT UP
TOWNSHIP ROADS ARE THE WORST OF ANY IN THE COUNTY
TWP ROADS NEED A LOT OF WORK(2)
ULSTER-SMITHFIELD ROAD IS A HAZARD
WE LIVE ON A DIRT ROAD, WHEN IT RAINS IT TURNS TO MUD
YOU NEED TO USE MORE GRAVEL ON DIRT ROADS AND ROLL IT IN

Snow Removal:

DON'T DO ENOUGH TO CLEAR ROADS OF ICE
LOCUST STREET NEEDS TO BE PLOWED
MORE SAND ON ICE
NEED TO USE MORE CINDERS ON SLIPPERY ROAD
NOT ENOUGH MATERIAL PUT ON ICE
POOR SNOW REMOVAL
ROADS ARE POORLY MAINTAINED, SNOW REMOVAL SUCKS
ROADS ARE TERRIBLE, ESPECIALLY SNOW REMOVAL
THE ROADS ARE HORRIBLE- SNOW REMOVAL IS A JOKE

Building Permits:

BUILDING PERMIT SHOULD NOT BE REQUIRED OUTSIDE OF THE VILLAGE
HAVE NOT USED A BUILDING PERMIT
MY BUILDING PERMIT WAS HANDLED INADEQUATELY

Emergency Medical Services:

USE VALLEY EMS
EMS TOO SLOW

Recreation:

WHAT? HUNTING/FISHING(RECREATION)
BALL FIELD NEEDS TO BE USED MORE
GIVE KIDS A REASON TO STAY
MORE FOR OLDER KIDS
NEED A SUMMER REC PROGRAM
NEED MORE ORGANIZED REC FOR CHILDREN (2)
POOR RECREATION (2)
REC CENTER COULD BE UTILIZED BETTER, MAYBE TEEN DANCES
REC NEEDS TO EXPAND YOUTH AND SENIOR PROGRAMS.
RECREATION IS NOT VERY GOOD
VERY LIMITED RECREATIONAL OPTIONS FOR YOUTH AND YOUNG ADULTS

Police Protection:

DO NOT NEED POLICE PROTECTION
MORE PLICE PROTECTION WOULD CAUSE PROBLEMS
MORE SPEEDING TICKETS WRITTEN COULD FUND ANOTHER $5000 PER YEAR SALARY
ONE COP!!!
ONLY ONE POLICE OFFICER

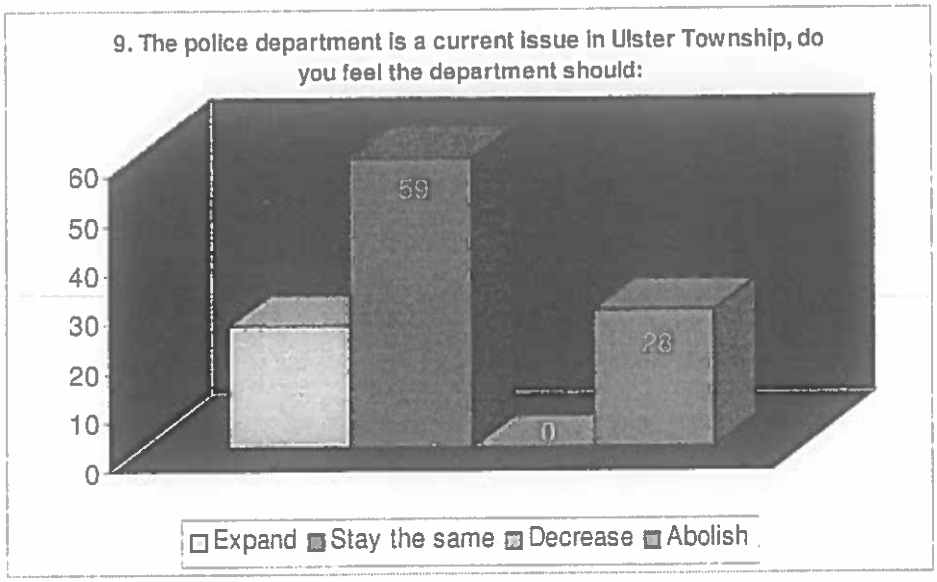
PA STATE POLICE ARE ALL WE NEED
POLICE IS DISGUSTING
POLICE PROTECTION SUCKS
POLICEMAN DOES NOT DO HIS JOB
WE NEED A FULL TIME POLICE FORCE

Land Use Regulations:

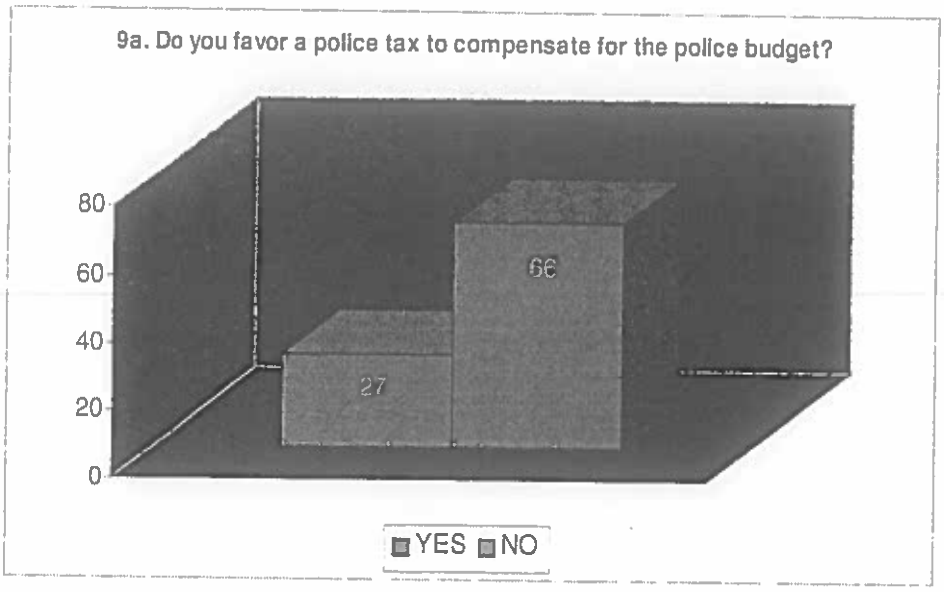
ADDRESSED WITH LONG TERM GOAL, NOT SHORT TERM BAND AID FIX
FAR TOO MANY EPA REGULATIONS AND RED TAPE
I AM NOT SURE WE NEED ZONING
I WANT ZONING LAWS TO PREVENT LOWERING OF REAL ESTATE VALUES
I WOULD LIKE TO SEE A LONG TERM PLAN FOR CAPITAL IMPROVEMENTS AND ENFORCE CURRENT CODE
IT'S ALL MONEY DRIVEN, WE DON'T HAVE ANY
KEEP OUT FACTORY FARMS
LACKING
LANDUSE REGULATIONS SUCK
NEED A POLICY TO KEEP OUT GRAVEL MINES AND PIG FARMS
NO MORE LAND USE REGULATIONS
NO OPEN BURNING
SOME SIDEWALKS NOT TAKEN CARE OF
WE COULD USE ZONING
ZONING
ZONING NEEDED
ANYTHING GOES!!!
NO OPEN BURNING

Additional Comments:

NO NEW TAXES
POOR SUPERVISORS, NO BUSINESS PEOPLE
WHERE ARE OUR TAX DOLLARS GOING (2)
YOU WOULDN'T LISTEN ANYWAY



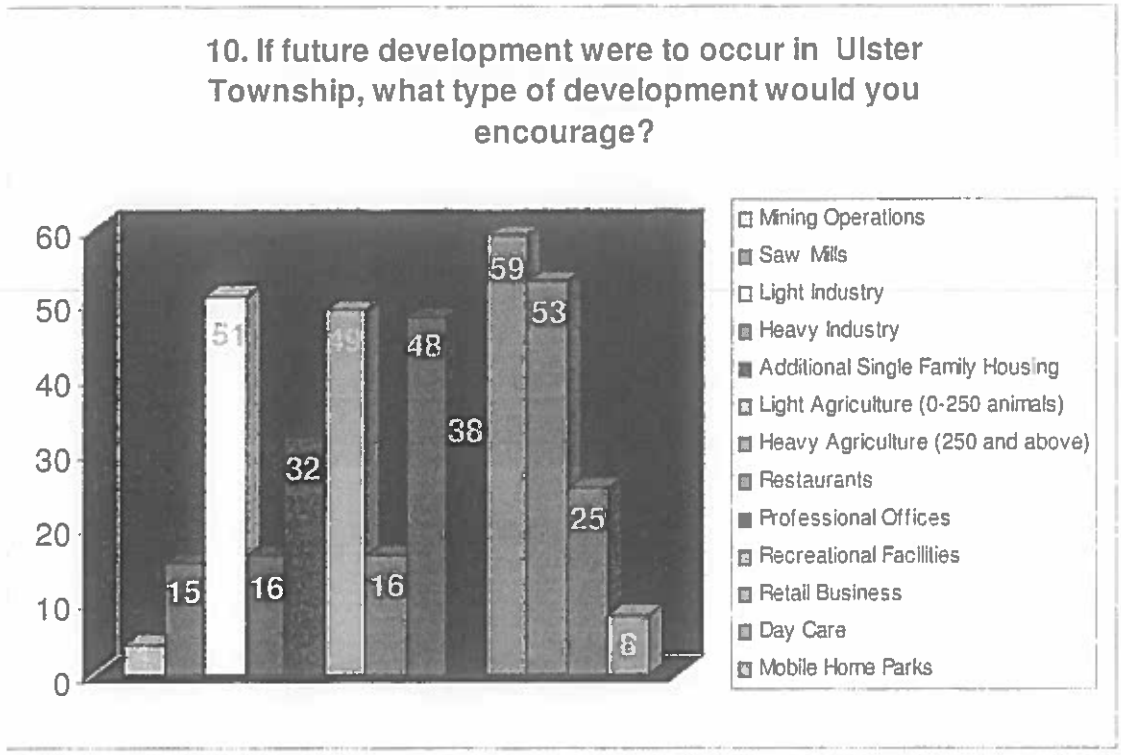
A majority of the survey respondents are happy with the service they are currently receiving from their officer. The safety he provides seems to be adequate. A handful of people wish to expand the police department and a handful wish to abolish the department.



When asked about a possible tax to compensate for the police budget, the answer was mainly No, 2 to 1. A handful of people chose yes, however, twice as many people said no. A very interesting note is a large number of the people who suggest expanding the department refuted the idea of a tax increase.

Question #9 Comments:

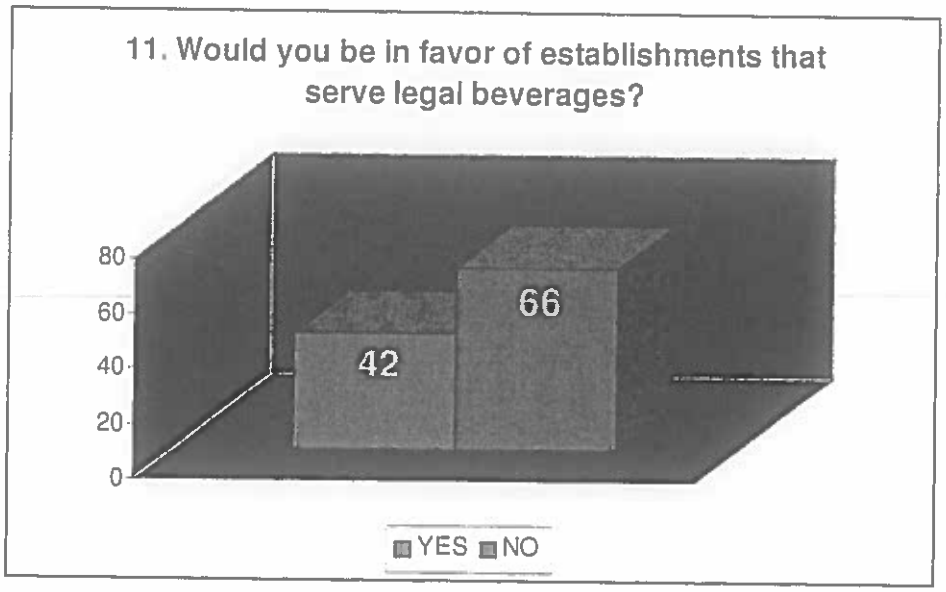
STATE POLICE ARE TO CLOSE TO NEED OUR OWN FORCE
NEED COVERAGE IN RURAL AREAS
NO NEW TAX, BUT PAY SHOULD BE APPROPRIATE
HAVE A VILLAGE FORCE AND ONLY TAX THE VILLAGE
SEPARTE THE VILLAGE FROM THE TOWNSHIP
LET VILLAGE PAY FOR THE POLICE
IF THE SUPERVISORS KNEW HOW TO RUN A TOWNSHIP, THERE WOULD BE ENOUGH MONEY WITHOUT A TAX
WE ALREADY HAVE A POLICE BUDGET
THEY HAVE ADEQUATE MONEY IF IT WERE USED RIGHT
THE STATE POLICE HANDLE THE REAL CRIME ANYWAY
TAKE THE MONEY OUT OF ROAD TAXES, THEY ARE OBVIOUSLY NOT BEING USED
THE POLICE DO NOT SEVR US, IT IS A WASTE OF MONEY
ULSTER NEEDS TO CHECK OUT EVERY AVENUE TO MAKE SURE THEY CAN PAY FOR IT
ABSOLUTLEY NOT
RESIDENTS NEED TO BE AWARE OF THE ACCOMPLISHMENTS MADE BY HAVING A FORCEIN COMPARISON TO MANY YEARS WITHOUTONE



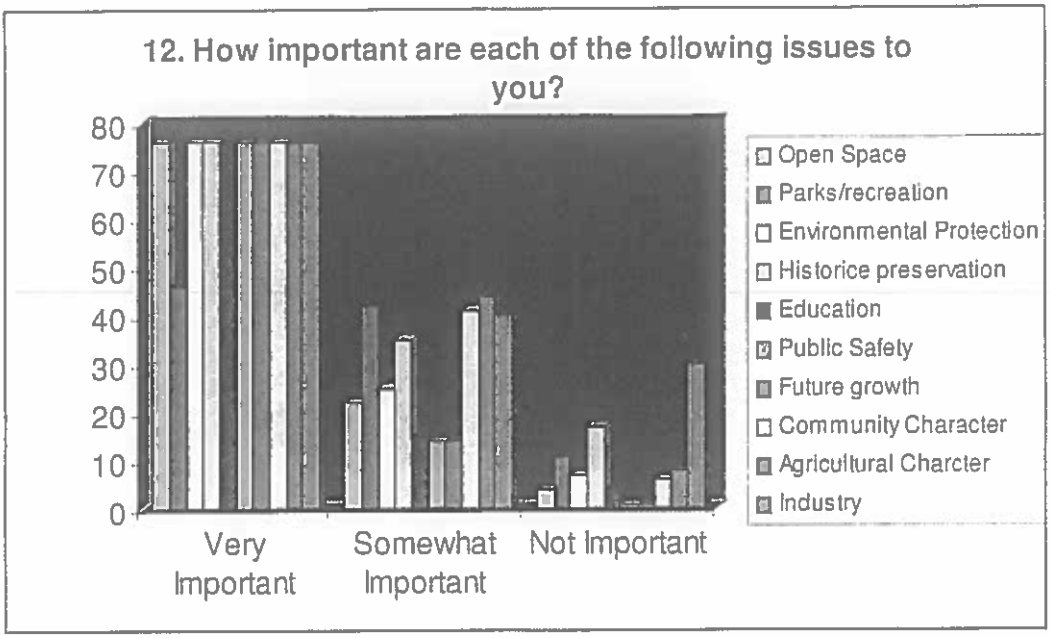
Question #10 Comments:

ANYTHING TO BRING IN BUSINESS
NO PIGS
NO MOBILE PARK
ANY
PROPER ZONING REGULATIONS
ABSOLUTELY NO MOBILE PARKS(2)
SEWER
ELDERLY HOUSING
RESTAURANTS WITH NO SMOKING
NOTHING SHOULD BE DISCOURAGED
ABSOLUTELY NO MOBILE PARKS
NEVER ALLOW A MOBILE PARK
WE NEED A TOWNSHIP HALL TO BE PROUD OF, NOT THE ONE WE HAVE
NEVER ALLOW A MOBILE PARK

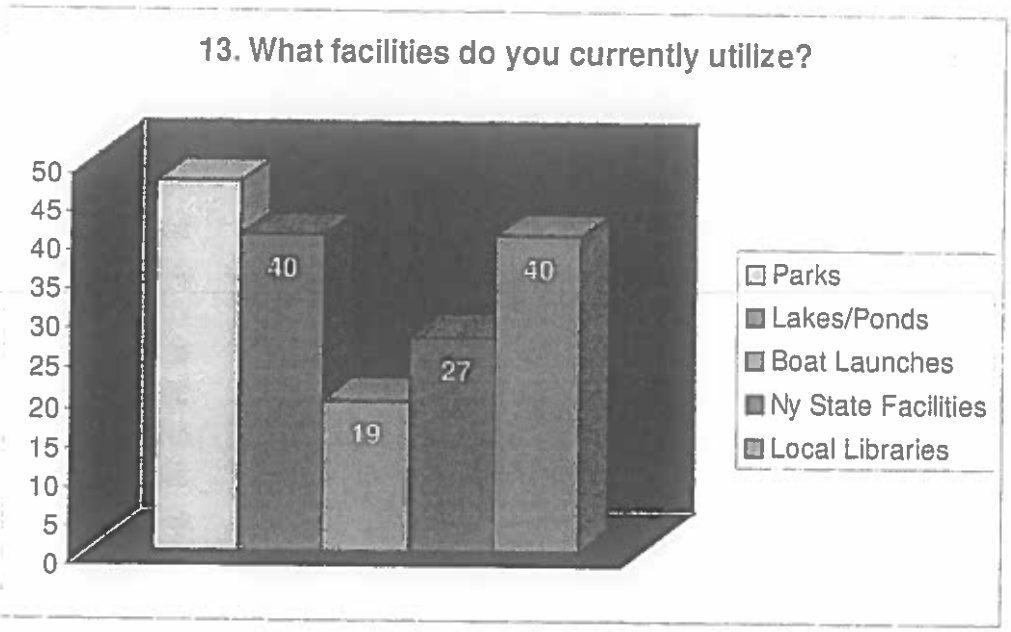
Chart #10 illustrates that Ulster Township encourages most development listed in the question. Mining, mobile home parks, saw mills, heavy industry, and heavy agricultre are the items with low responses. Mobile parks are also noted in the comments as something residents do not want to see.



Legal Beverages are currently prohibited from sale at this time within the township. This issue has not been voted on in almost 20 years and it seem it might be worth some discussion in future decision-making sessions.



Question #12 asked how important some issues are within the township. All listed seem to be very important to residents of the township. Parks and recreation had an even split between very important and somewhat important.



Question #13 Comments:

EMTA BUSES
BUSINESSES (2)
NONE (9)
RIVERS
SAYRE
ATHENS
BISHOPS RESTAURANT
JUST ROADS
CAMPING
REC CENTER
STATE GAME LANDS

Chart #13 illustrates the recreational facilities utilized by residents. Respondents use all facilities listed with the parks being the most used. A listing of comments above shows some other facilities used to pass spare time by township residents.

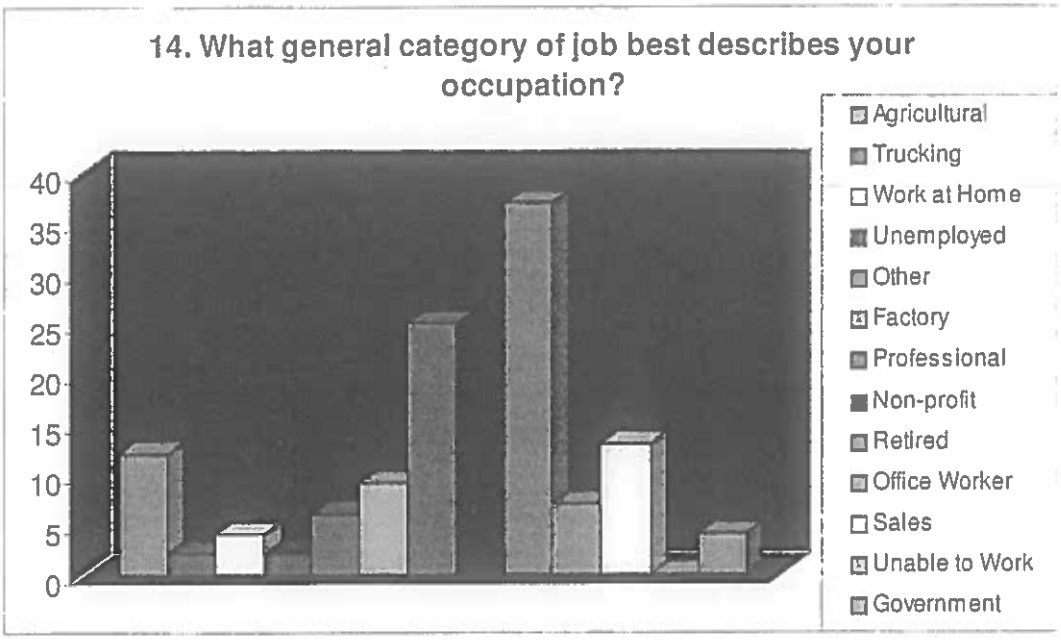
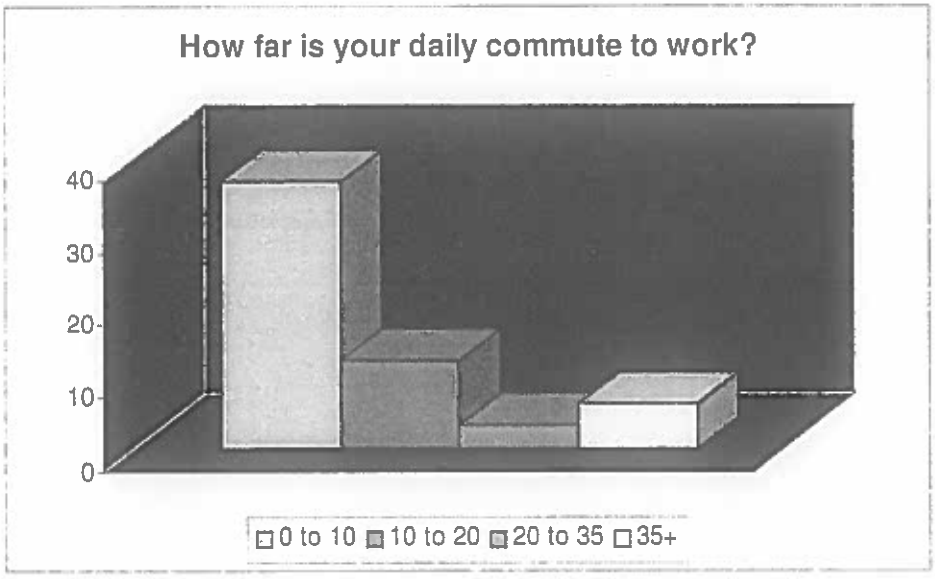


Chart #14 illustrates the types of employment respondents are engaged in. Many of the respondents are retired citizens. The next large percentage responding are professional workers.

As seen below, a majority of these people travel less than 10 miles to work,



Township residents responding to the survey work in the following locations:

TOWANDA	17
ULSTER TOWNSHIP	11
SAYRE	10
ATHENS	4
ELMIRA	3
WYSOX	2
BRAFORD COUNTY	1
EAST SMITHFIELD	1
JOHNSON CITY	1
LACEYVILLE	1
NEW YORK STATE	1
OWEGO	1
PENNSYLVANIA	1
ROME	1
SHESHEQUIN	1
SUSQUEHANNA COUNTY	1
WYOMING COUNTY	1

17. What do you identify as the single most important problem facing the township today?

4 WHEELERS

ACT LIKE MATURE ADULTS

ALL MONEY SPENT IN ULSTER, NONE IN MILAN

BORED YOUNG PEOPLE WITH NO JOBS

BUSINESSES WANT A SPEED TRAP TO SLOW DOWN TRAFFIC AND COME IN THEIR STORES

CARE OF ROADS

COMMUNTIY LEADERS NOT GETTING ALONG

COMMUNTIY LEADERS TOO PERSONAL

CONTINUOUS IMPROVEMENT OF ROADS

DESTRACTION OF NATURAL BEAUTY DUE TO GREED

DIRT ROADS(3)

DIRT ROADS BAD

DON'T LIE, DO WHAT YOU SAY YOUR GOING TO

ECONOMICS

ELECTED OFFICIALS NOT WORKING TOGETHER OR FOR THE TOWNSHIP

EMS

EPA RULES

FACTORY FARMS (2)

FEUDING AMONGST SUPERVISORS HINDERS OUR GOALS AND SENSE OF DIRECTION

FIX PONDS FOR FIRE PROTECTION

FIX ROADS FOR FIRE ROTECTION

FIX THE ROADS

GARBAGE DISPOSAL

GET RID OF THE POLICE DEPARTMENT

GO CARTS ON HIGHWAY

I TRAVEL THE ROADS DAILY AND THAT IS MY SINGLE MOST EXPOSURE

INCREASED TRAFFIC

JOE ARGUING AMONGST HIS FELLOW SUPERVISORS

KEEP THOSE ELECTED OFFICIALS UNDER CONTROL, ESPECIALLY THAT RETIRED STATE TROOPER, DO NOT LET HIM DICTATE

KEEP YOUNG PEOPLE HERE AND SAFE

KIDS RUNNING LOOSE

LACK OF COMMUNITY SPIRIT AND TEAMWORK

LACK OF VILLAGE SEWER

LENGHTY TRAVEL TO ATHENS SCHOOLS

LESS ARGUING

LONG TERM REPLACEMENT PLANS FOR EQUIPMENT

LOOKING INTO ZONING FOR FUTURE PROTECTION, NOT SAYING WE NEED IT OR NOT WITHOUT MORE INFO

LOSS OF FARMS

LOUD MUSIC

MAINTENANCE

MILAN IS NEGLECTED WHILE ULSTER VILLAGE IS MAIN FOCUS

MILAN WAS PROISED SIDEWALKS 2 YEARS AGO

MONEY

NEED BETTER SUPERVISORS

NEED TO FOCUS ON THE ROADS

NEGLECTED PROPERTIES

NO INDUSTRY

NO UNITY

NOBLE ROAD

NOT BEING ABLE OT GET ALONG WITH EACHOTHER

NOT ENOUGH BUSINESS IN THE AREA

NOT ENOUGH MONEY

NOT ENOUGH WORKING TOGETHER

ORGANIZATION

OUR LEADERS EMBARRASS US AS A TOWNSHIP

OUR SUPERVISORS AND CONSTABLE

OUR SUPERVISORS GET NASTY AD SWEAR AT US WHEN WE CALL THEM

PA STATE POLICE DO A WONDERFUL JOB COVERING ULSTER

PEOPLE WORKING TOGETHER (2)

POLICE PROTECTION

POOR MANAGEMENT

POOR SUPERVISORS

POOR TAX STRUCTURE

POVERTY

RECKLESS DRIVING

REMEBERING WE ARE A SMALL TWP WITH A LIMITED TAX BASE

RENOVATION OF BUILDINGS ON 220

Reputation: IT WILL TAKE A LONG TIME FOR ULSTER TO GET RESPECT BACK

ROAD MAINTENANCE AND SNOW REMOVAL- TOO HIGH TAXES

ROAD REPAIR

ROADS (6)

RUN DOWN CONDITION OF HOMES ALONG MAIN STREET

SCHOOL TAXES- WILL DRIVE SENIORS OUT

SEWER

SIGNAGE FOR POINTS OF INTEREST OFF MAIN STREET

SNOWMOBILE

STACKS POND

STOP LIGHT IN MILAN

STUPID SUPERVISORS JOE/JERRY

SUPERVISORS (2)

SUPERVISORS ACTING FOR THEIR OWN INTEREST. NOT THE TAXPAYERS

SUPERVISORS ARE NOT LIKED

SUPERVISORS GETTING ALONG, GET JOE OUT OF THERE

SUPERVISORS NEED TO GET ALONG

SUPERVISORS NEED TO STOP FIGHTING ABOUT EVERYTHING AND TO STICK TO THEIR MAIN JOB, THE ROADS

SUPERVISORS NOT WORKING AS ONE-WORKING AGAINST EACHOTHER (2)

SUPERVISORS WORKING TOGETHER

TARGET SHOOTING

TAX THOSE WHO DEGRADE PROPERY VALUES

TAXES

TENSION BETWEEN SUPERVISORS AND PUBLIC

THE DRAINING OF STAKES POND.

THE TOWNSHIP SPENDS TOO MUCH MONEY ON THINGS LIKE TOTEM PARK, USE THE MONEY TO REPAIR ROADS AND EQUIPMENT

TOO MUCH FIGTING IN THE LOCAL GOVERNMENT (5)

TOWNSHIP HAS NO VISION

TOWNSHIP IS DOING FINE

TOWNSHIP POLICE ARE A WASTE OF TOWNSHIP MONEY

TOWNSHIP ROADS- FLATLANDERS DON'T KNOW HOW TO DO ROADS

TWP ROADS

ULSTER POLICE AND REC CENTER

ULSTER POLICE ARE NOT NEEDED, USELESS AND A WASTE OF TAX DOLLARS

UNIFIED SUPPORT OF PROGRAMS AND FACILITIES FOR YOUNG PEOPLE

VISION

WATER SERVICE

WATER SYSTEM

WE LOOK LIKE A DISASTER AREA

WE NEED A GOOD TAX BASE

WE NEED LONG TERM GOALS

ZONING

18. Please suggest some areas that Ulster Township can target for improvement.

A COUPLE HOUSES ON MAIN STREET

ABOLISH POLICE AND USE FUNDING FOR TRASH COLLECTION

ACCESS TO RIVER FOR RECREATION

ACT PROFESIIONALLY AND WORK TOGETHER

BALL FIELD/ RECREATION

BALL PARK/REC CENTER/ TOTEM PARK TO BRING PEOPLE TO TOWN

BAN ON BURNING GARBAGE

BETTER EQUIPMENT AT PARK

BETTER SUPERVISORS

BETTER WATER

BRING BACK COMMUNITY ATMOSPHERE

BRING BACK THE SPEED TRAPS IN ULSTER VILLAGE

BRING IN BUSINESS

BUILD UP SECONDARY ROADS

BUSINESS SECTION

BUY THE COP A RADAR GUN

CASH CREEK ROAD

CLEAN DITCHES

CLEAN DITCHES

CLEAN UP MAIN STREET (5)

CLEAN UP OLD FACTORY

CLEANING UP THE "EYE SORE" PEOPERTIES IN THE TOWNSHIP

CODE ENFORCEMENT

COMMUNICATION AND MORE EQUAL DISTRIBUTION OF SERVICES FOR ALL OF ULTSTER TOWNSHIP

COMMUNITY INVOLVEMENT(2)

COMMUNITY LEADERS

DANDY MINI MART CLEAN UP LITTER

DON'T KNOW

EVENTS IN THE PARK

EVERYONE GET ALONG

FIND FUNDS TO SPRUCE UP MAIN ST

FINISH BLACK TOP OVER OAK HILL ROAS TO LAUREL HILL

FIX DIRT ROADS

GARDEN CLUB

GETTING ALONG WITH EACHOTHER

HELP PAINT THE FIREHOUSE FOR THE FIREMEN

HIGH SPEED INTERNET AND CABLE

HOUSING PROTECTION

JUNK CAR ENFORCEMENT

JUNK HOUSES

JUNK VEHICLE ORDINANCE

KEEP BASEBALL FIELD USABLE

KEEP THE REC CENTER OPEN FOR OUR KIDS

KEEPOUT THE STATE AND FEDERAL GOVERNMENT

LESS ARGUING AMONG SUPERVISORS

LESS LOW-INCOME HOUSING

LESS NOISE AMONG RESIDENTIAL AREAS

LISTEN TO THE TAXPAYERS

LOOKING INTO ZONING FOR FUTURE PROTECTION, NOT SAYING WE NEED IT OR NOT WITHOUT MORE INFO

MAIN STREET SLUM AREA

MILAN WAS PROISED SIDEWALKS 2 YEARS AGO

MORE COMMUNITY ACTIVITIES FOR CHILDREN

MORE PARKING AT BISHOPS RESTAURANT

MORE REGULATIONS ON STORING OF UNREGISTERED CARS

MORE TOWN ACTIVITIES (FIREMANS DAYS, PARADES, ETC...)

NEED YEARLY TRASH PICKUP

NEW SUPERVISORS(2)

OLD CREAMORY AN EYESORE

PLANT FLOWERS ALL ALONG TOWN, GOOD PROJECT FOR BOY SCOUTS

POLICE PROTECTION

PROGRAMS FOR YOUNG PEOPLE

PUBLIC SEWER

PUBLIC SEWER AND WATER

RECREATION FACILITIES (2)

ROAD IMPROVEMENTS

ROADS (7)

ROADS,ROADS,ROADS (2)

ROADWAYS AND ROAD CARE

SENIOR HOUSING

SEWAGE AND WATER SERVICE (2)

SPEED LIMIT ENFORCEMENT

SPEND SOME MONEY, BORROW IF NECESSARY

SPRING AND FALL CLEANUP MORE THAN ONE WEEKEND

SPRING CLEANUP

STACKS POND

STAND BACK AND LOOK AT THE PEOPLE WHO MADE THIS TOWNSHIP

STATE HIGHWAYS

STAY OUT OF THE NEWSPAPER

STOP THE JEALOUSY, WORK AS A COMMUNITY

TAKE OUT THE BLINKER IN MILAN

TAX MOBILE HOME OWNERS EXTRA

TEEN RECREATION

THE DIRT ROAD UP BY THE COVERED BRIDGE

THE ROADS

THE SUPERVISORS

TOO MUCH CHLORINE IN THE WATER

TOWNSHIP ROADS (2)

TRAFFIC CONTROL

WANT WATER UP SMITHFIELD ROAD

WATER SHED

WE DON'T NEED DELINQUENTS, DRUG DEALERS, OR DRUG USERS IN OUR COMMUNITY

WORK TOGETHER

IV. Visioning Results

WOULD LIKE TO SEE SOME OF THE "EYE SORE" AREAS CLEANED UP TO HELP COMMUNITY LOOK BETTER
YOUTH RECREATION (2)

Ulster Township Visioning SWOT Program

Housing

Strengths
Single Family

Weaknesses
Property Tax
Elderly Housing
Aging Homes
Rentals

Opportunities
Occupation Tax
Building Code
Mobile Homes

Threats
Converting Homes to Rentals(Losing Tax Dollars)
No Building Code
Future Building Code
Mobile Homes

Land Use

Strengths
Hypothetical 220 Bypass
Agriculture

Weaknesses
Hypothetical 220 Bypass
Planning Education and Government Insight

Opportunities
Hypothetical 220 Bypass
Farm Market

Threats
Hypothetical 220 Bypass
CAFO

Community Facilities

Strengths
Library(2)
Rec Center(2)
Churches
Fire Company
Ballfield
Boat Landing
Recycling
School
Water Company

Weaknesses
Money for Upgrades
Ballfield
Losing the Pond
Rec Center (Volunteers, Upgrades, Staff)
Public Participation
Library Funding
Septic Systems

Opportunities
Rec Center
Library
Sewer

Threats
Losing Rec Center
Losing Library
Losing the Pond
Losing Rural Character

Transportation

Strengths
Roads
Bridges
Only 17 miles of Township Roads to Maintain
Rte. 220
Railroad
Towanda Airport
River
EMTA

Weaknesses
Bridges
Roads
Dirt Roads

Opportunities
River
Trails
Hypothetical 220 Bypass

Threats
Hypothetical 220 Bypass

Major Project Insight

Elderly Housing
Road Improvements
Grocery Store
Community Center
Township Building
Recreation Improvements
Sewer
Race Track

Ulster Township Visioning Workshop
Results
Mini-Survey – Community Issues

Please rank all items and add in any others you feel should be included.

Community Issue	Low			High		
Fire Emergency Services in the township		1		1	1	4
Ambulance Emergency Services in the township				2	1	4
Police Emergency Services in the township				4	1	3
Acquisition of land for future uses including recreation	1	1		1	1	3
Recreational opportunities for young children, i.e. playground		1			1	5
Recreational opportunities for teens, eg. rec-center				1		6
Recreation/fitness facility for adults		1			2	4
Township cleanup days					2	5
Educational citizen programs regarding planning	1				1	5
Continue to provide a township newsletter on a bi-yearly basis	1			1	1	4
Clean up dilapidated/vacant structures and junk cars throughout the township			2			5
Ulster Twp Roads compared to adjacent township roads	2			2		3
Preserve, rehabilitate, and inventory of historic structures	1				2	4
Elderly Housing. Habitat for Humanity, Library	1				1	5
Community Center- Library, Rec Center, Shelter				1	1	5
Quality and Safety of Roads	2			1	1	2
Preserve, rehabilitate, and inventory the historic structures throughout the township	2		2			2
Sidewalks with future development	2	1	1	2		1
Neighborhood watch/ Homeland Security Alert Program				1		5
Promote use of Township Building						5
Other Comments:						

Resolution of Adoption

Comp-2004-05

Whereas, the Board of Supervisors of Ulster Township, Pa, possess the legal authority under Article III of the PA Municipalities Planning Code, Act 247 of 1968, as reenacted and amended by Act 170 of 1988, to adopt a municipal Comprehensive Plan; and

Whereas, the Board of Supervisors of Ulster Township, Pa, on June 14, 2001, signed a Memorandum of Understanding to work with the Bradford County Office of Community Planning and Grants on the completion of said Plan; and

Whereas, in August 2004 the Ulster Township Planning Commission and the Bradford County Office of Community Planning and Grants completed the development of the Ulster Township Comprehensive Plan 2004; and

Whereas, the Ulster Township Planning Commission held a Public Meeting on July 12, 2004 to open the comment period on the proposed plan; and

Whereas, the open comment period expired on August 26, 2004 with no adverse comment.

Now, Therefore be it resolved, that the Board of Supervisors of Ulster Township, Pa, does hereby adopt the Ulster Township Comprehensive Plan 2004, in its entirety.

In witness thereof, we have hereunto set our hands and seals this 2nd day of September 2004.

Ulster Township Supervisors

Don Tuttle, Chairman

Chuck Cotter

Jeff Lennox

Attest:

VERIFICATION

I, Marc A. Lucca, President of Aqua Pennsylvania, Inc., hereby state that the facts set forth in Aqua Pennsylvania, Inc.'s Application, are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Marc A. Lucca
President
Aqua Pennsylvania, Inc.

Dated: January 23, 2026

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Application of Aqua Pennsylvania, Inc.	:	
pursuant to Section 1102 of the Public	:	
Utility Code for Approval of its	:	**Docket No. A-2026-_____**
Acquisition of the Water System Assets of	:	
Ulster Municipal Authority	:	

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true and correct copy of the foregoing document, upon the persons and in the manner indicated below:

VIA ELECTRONIC MAIL

Allison Kaster, Director and Chief Prosecutor
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Alexander R. Stahl

Dated: January 23, 2026