

**MINUTES  
UNIVERSITY AREA JOINT AUTHORITY  
1576 SPRING VALLEY ROAD  
STATE COLLEGE, PA 16801**

**Regular Meeting – September 18, 2024**

**1. Call to Order**

Mr. Lapinski, Chairman, called the regular meeting to order at 4:00 p.m., Wednesday, September 18, 2024. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Lapinski, Glebe, Kunkle, Guss, Derr, Nucciarone, Auman, and Miles; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Sierra Weight, Administrative Assistant; Daren Brown, Collection System Superintendent; Andy Breon, Plant Superintendent; Holly Martinchek, Assistant Plant Superintendent; Jason Wert, Rettew; Michele Aukerman, Rettew; C-NET; Ben Burns, HRG; Justin Bickel, Quandel Enterprises; Jeff Lann, Quandel Enterprises; David Gaines, Solicitor; Mark Sausser, Pennsylvania Fish & Boat Commission; Corey Hoydic. The following were in attendance via Zoom: Messrs. Daubert; Sam Robbins, State College Borough; Tom Archer, Mette Evans and Woodside

**2. Reading of the Minutes**

UAJA Regular Meeting – August 21, 2024

**UAJA Meeting  
Minutes Approved**

A motion was made by Mr. Guss, second by Mr. Derr to approve the meeting minutes of the UAJA meeting held on August 21, 2024. The motion passed unanimously.

**3. Public Comment**

**3.1 Other items not on the agenda**

None.

**4. Old Business**

**4.1 Spring Creek Stream Improvements Project**

The Pennsylvania Fish and Boat Commission (PFBC) is proposing a project to improve Spring Creek in conjunction with the Spring Benner Walker Joint Authority (SBWJA) sewer project which will pass through UAJA property and cross Spring Creek. Mark Sausser, Chief of the Stream Habitat Section of PFBC, will present the proposed project. PFBC is asking for UAJA to endorse the project.

**Recommendation: Presentation**, no action required at this time.

**Executive Session**

A motion was made by Mr. Nucciarone, second by Mr. Derr to go into executive session at 4:27 pm. The purpose of the executive session was to discuss ongoing litigation concerning the Borough of State College. A motion was then made by Mr. Nucciarone, second by Mr. Miles to come out of executive session at 4:54 pm. Both motions passed unanimously.

## 4.2 2025 Rate Increase

In January 2025, the rates for UAJA customers in College, Ferguson, Harris and Patton Townships will need to be increased to make up for the continued shortfall in payments by State College Borough. The rate for the Borough will also be increased, however, that increase will have no immediate financial impact since the Borough continues to pay based on the 2020 rate.

To determine uniform and reasonable rates for all customers, including the Borough, UAJA has allocated costs between two categories:

**Treatment and Conveyance** – All costs for treating wastewater at the treatment plant, biosolids processing, water reuse, large diameter sewer lines and pump stations. The calculated rate per equivalent dwelling unit (EDU) for 2024 is \$80 per quarter.

**Collection** – All costs for small diameter sewers and maintenance serving individual properties. The calculated rate per EDU for 2024 is \$35 per quarter.

The Borough has its own collection system and therefore is only billed for Treatment and Conveyance.

Customers in College, Ferguson, Harris and Patton Townships are billed for both Treatment and Conveyance, and Collection.

**UAJA is out of reserve funds to cover the Borough portion, and therefore must significantly increase rates** for College, Ferguson, Harris and Patton Township customers. The 2025 Budget is not complete, but if costs can be held to 2024 levels, the likely increase to the quarterly rate will be \$8, bringing the 2025 rate to \$121 per quarter, per EDU.

**Recommendation:** Notify College, Ferguson, Harris and Patton Townships, and the Borough of State College, as well as the Centre Region Council of Governments, of the need for a rate increase. Notify all UAJA customers of the need for the rate increase in the third quarter bills which are to be mailed in October.

**Notifying Customers of  
Rate Increase  
Approved**

A motion was made by Mr. Kunkle, second by Mr. Nucciarone, to approve the notification to customers of the need for a rate increase. The motion passed unanimously.

## 5. New Business

### 5.1 Construction Engineer Report

#### Change Order No. 01 Contract 2022-01 General Contract Biosolids Project

This change order is for a collection of items resulting from changes in the design in several areas:

Item	Request #	Description	Amount
1	10	Additional modifications to stormwater detention pond for NPDES Permit	\$49,560.69
2	15	Installation of additional valves on reuse waterline.	\$4,694.60
3	6	Additional PEMB insulation and interior liner panels for 3 buildings (Includes	\$46,696.00

		credit for liner and insulation not required.)	
4	7	Addition of slide gates for Wet Cake Sludge bin	\$77,596.50
5	19	Additional rebar and concrete for Dryer Building based on PEMB design	\$3,599.45
6	20	Additional rebar and concrete for Waste Rec Building based on PEMB design	\$15,860.79
7		Credit for reduced collateral loading for Dryer and Waste Rec Buildings	-\$21,000.00
<b>Total Change Order Amount =</b>			<b>\$177,008.03</b>

**Recommendation:** Approve Change Order 01 Contract 2022-01 in the total amount of \$177,008.03

**Change Order 01  
Contract 2022-01  
Approved**

A motion was made by Mr. Nucciarone, second by Mr. Miles, to approve Change Order 01 Contract 2022-01 in the amount of \$145,489.26. The motion passed unanimously.

**WWTP NPDES Permit – Phosphorus Study (094612027)**

- Continuous in-stream monitoring of Spring Creek has been completed. We are reviewing all compiled data with the PA DEP for determination of next steps.

**Phosphorus Study Project Schedule**

Milestone	Date
Complete stream monitoring and compile data	November-December 2022
Review final data with PA DEP	TBD
Conduct High Temperature/Low Flow Monitoring if needed	TBD

**Ozone Disinfection for Effluent (094612023)**

- Modifications to the pump skids are being made and Aqua Aerobics will be back on site to conduct further testing of the system the week of September 30<sup>th</sup>.

Payment Requests to Date						
Contract Number	Application for Payment #	Current Payment Due	Contract Price to Date incld/CO	Total Work to Date	% Monetarily Complete	Balance of Contract Amount
2021-05 GC			\$5,458,723.91	\$5,323,473.91	97.52%	\$401,423.70
2021-06 EC			\$350,000.00	\$326,500.00	93.29%	\$39,825.00
2021-07 MC			\$223,000.00	\$223,000.00	100.00%	\$11,150.00
		\$0.00	\$6,031,723.91	\$5,872,973.91	97.37%	\$452,398.70

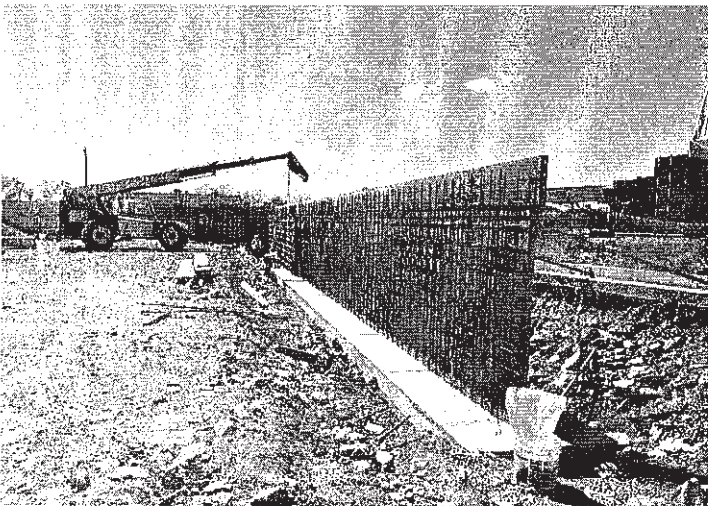
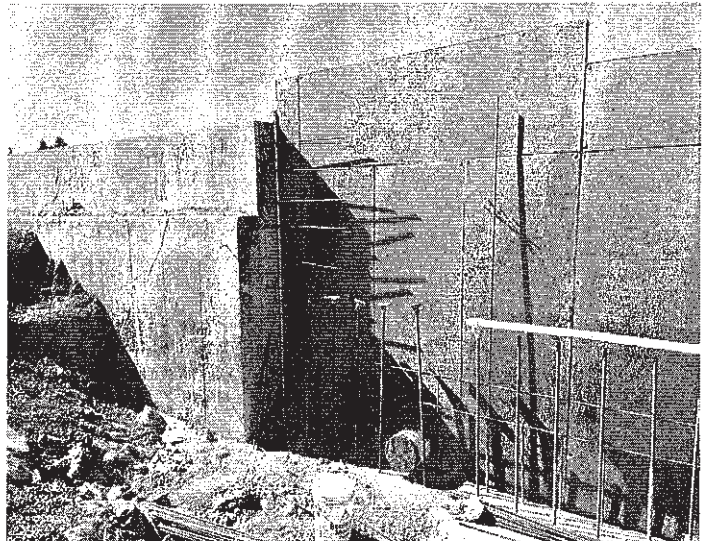
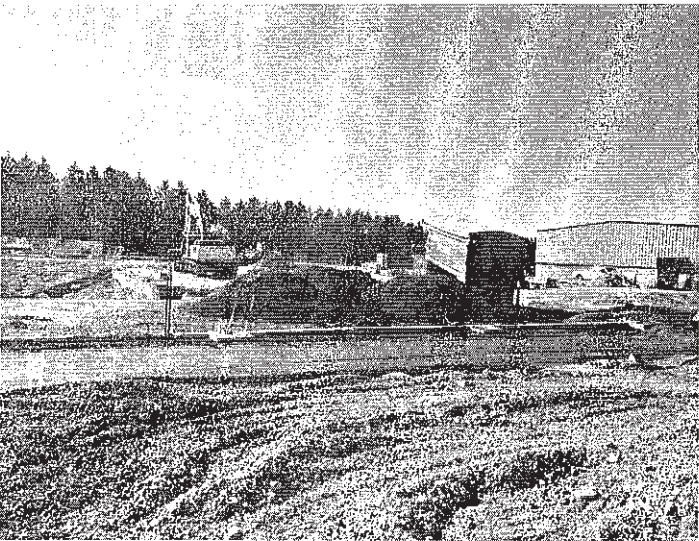
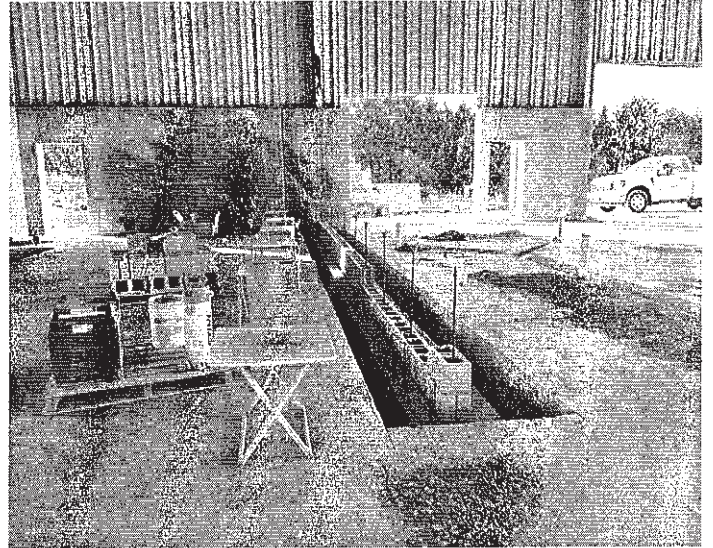
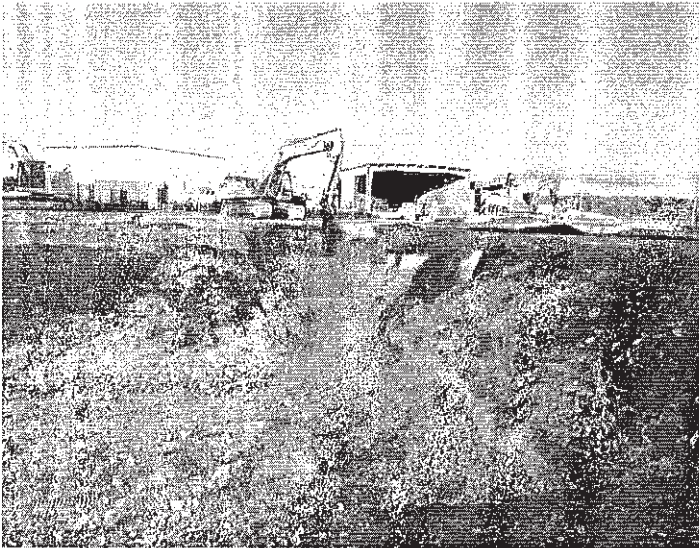
**Ozone Disinfection for Effluent Project Schedule**

Milestone	Date
Notice to Proceed Issued	12/27/2021
Substantial Completion	03/27/2023
Projected Substantial Completion Date	05/20/2024

**Anaerobic Digestion Project (094612026)**

- We continue to review project related submittals and requests for information.

- With receipt of all major component submittals related to the Biosolids Dryer, we have provided the Contractors with updated drawings for the Dryer Building and have requested pricing impacts associated with each Contract. We anticipate that we will have this information available for the October Board meeting.



- Contract No. 2022-01 (General) – Change Order No. 01 – We have prepared and recommend Change Order No. 01 for an increase of \$145,489.26 and 0 days to this contract. This change order includes NPDES Permit modifications, additional reuse water valves, PEMB insulation and liner panel changes, additional slide gates for the wet cake storage, dryer and waste receiving building footer and piers modifications along with a credit for the PEMB collateral loading.
- Contract 2022-03 (HVAC) – Change Order No. 01 – We have prepared and recommend Change Order No. 01 for an increase of \$3,298.76 and 0 days to this contract. This change order is for an owner credit for sizing modifications for louvers and additional cost for modifications of Exhaust Fan EF 7, 8 & 9.

<b>Payment Requests to Date</b>						
Contract Number	Application for Payment #	Current Payment Due	Contract Price to Date incld/CO	Total Work to Date	% Monetarily Complete	Balance of Contract Amount
2022-01	9	\$3,096,597.60	\$66,606,000.00	\$20,759,714.89	31.17%	\$47,922,256.60
2022-02	5	\$2,116.80	\$784,000.00	\$97,321.50	12.41%	\$696,410.65
2022-03	6	\$3,748.96	\$759,000.00	\$311,186.00	41.00%	\$478,932.60
2022-04	5	\$109,805.15	\$6,623,333.21	\$1,441,762.05	21.77%	\$5,325,747.37
		\$3,212,268.51	\$74,772,333.21	\$22,609,984.44	30.24%	\$52,162,348.77

- Application for Payment No. 09 has been received for Contract 2022-01 (General Construction) in the amount of \$3,096,597.60. RETTEW recommends payment of Application for Payment No. 09 in the amount of \$3,096,597.60.
- Application for Payment No. 05 has been received for Contract 2022-02 (Plumbing Construction) in the amount of \$2,116.80. RETTEW recommends payment of Application for Payment No. 05 in the amount of \$2,116.80.
- Application for Payment No. 06 has been received for Contract 2022-03 (HVAC Construction) in the amount of \$3,748.96. RETTEW recommends payment of Application for Payment No. 06 in the amount of \$3,748.96.
- Application for Payment No. 05 has been received for Contract 2022-04 (Electrical Construction) in the amount of \$109,805.15. RETTEW recommends payment of Application for Payment No. 05 in the amount of \$109,805.15.

**Anaerobic Digestion Project Schedule**

Milestone	Date
Notice to Proceed Issued	January 8, 2024
Completion of Dryer and Waste Handling Buildings	July 6, 2025
Contracted Substantial Construction	January 7, 2026

**Modifications to GD Kissinger Meadow Stream Augmentation**

- The Authority’s pending NPDES permit for the discharge of beneficial reuse water to Slab Cabin Run requires a series of modifications in control and monitoring. The changes will require modulation of the flows to the stream via SCADA, to avoid abrupt changes in stream flow. Additionally, we anticipate essentially a non-detect chlorine limit which will require de-chlorination prior to stream discharge. We are working with staff to design, permit, and implement

these modifications.

**5.2 Requisitions**

BRIF #910	Glossner’s Concrete Wiltshire Dr. Project	\$2,830.50
BRIF #911	S&C Operations Wiltshire Dr. Project-Trucking	\$13,845.00
BRIF #912	Heidelberg Materials Wiltshire Dr. Project – Stone	\$20,288.31
BRIF #913	Sunbelt Rentals Wiltshire Dr. Project - Roller	\$1,043.96
BRIF #914	EBY Paving Wiltshire Dr. Project - Asphalt	\$4,993.38
BRIF #915	HRI, Inc. Wiltshire Dr. Project-Asphalt	\$2,282.44
BRIF #916	Robinson Septic Wiltshire Dr. Project	\$300.00
<b>TOTAL BRIF-</b>		<b>\$45,583.59</b>

**BRIF Fund  
 Approved**

A motion was made by Mr. Nucciarone, second by Mr. Derr, to approve BRIF Fund #910, #911, #912, #913, #914, #915, and #916 in the amount of \$45,583.59. The motion passed unanimously.

Construction Fund #031	Rettew Ozone Disinfection Project	\$513.00
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**TOTAL 2021 CONSTRUCTION FUND - \$513.00**

**Construction Fund  
 Approved**

A motion was made by Mr. Guss, second by Mr. Nucciarone, to approve Construction Fund #031 in the amount of \$513.00. The motion passed unanimously.

Construction Fund #015	Rettew Sludge Drying Project	\$55,280.50
Construction Fund #016	Quandel Construction Group Pay App. #9 – Sludge Drying Projects - General	\$3,096,597.60
Construction Fund #017	Myco Mechanical Pay App. #5 – Sludge Drying Project - Plumbing	\$2,116.80

Construction Fund #018	Myco Mechanical Pay App. #6 – Sludge Drying Project – HVAC	\$3,748.96
Construction Fund #019	Hayden Power Group Pay App. #5 – Sludge Drying Project – Electrical	\$109,805.15
<b>TOTAL 2024 CONSTRUCTION FUND (Biosolids) -</b>		<b>\$3,267,549.01</b>

**Construction Fund  
Approved**

A motion was made by Mr. Derr, second by Mr. Nucciarone, to approve Construction Fund #015, #016, #017, #018, and #019 in the amount of \$3,267,549.01. The motion passed unanimously.

Revenue Fund #211	Debt, Service, Operation and Maintenance Expenses	\$1,000,000.00
<b>TOTAL REVENUE FUND -</b>		<b>\$1,000,000.00</b>

**Revenue Fund  
Approved**

A motion was made by Mr. Miles, second by Mr. Kunkle to approve Revenue Fund #211 in the amount of \$1,000,000.00. The motion passed unanimously.

**6. Reports to Officers**

**6.1 Financial Report**

The different cost centers of the YTD budget report for the period ending August 31, 2024, were reviewed with the Board by Jason Brown.

**6.2 Chairman’s Report**

Mr. Lapinski shared details on a letter he had received from Penn State.

**6.3 Plant Superintendent’s Report**

**Septage Operations Report**

The following comments are as presented to the Board in the written report prepared by Andy Breon, Plant Superintendent.

SEPTAGE OPERATIONS

LBS/SOLIDS

	<b>MARCH 2024</b>	<b>APRIL 2024</b>	<b>MAY 2024</b>	<b>JUNE 2024</b>	<b>JULY 2024</b>	<b>AUGUST 2024</b>
<b>PORT MATILDA</b>	759	803	3044	734	758	2006
<b>HUSTON TOWNSHIP</b>	517	667	367	350	300	384

TOTAL GALLONS

	MARCH 2024	APRIL 2024	MAY 2024	JUNE 2024	JULY 2024	AUGUST 2024
RESIDENTIAL/COMMERCIAL	3600	10950	11175	19190	12950	28400
PORT MATILDA	6500	11000	23000	5500	6500	13000
HUSTON TOWNSHIP	8000	8000	6000	6000	8000	8000
<b>TOTAL GALLONS</b>	18100	29950	40175	30690	27450	49400

Plant Operations:

- Total Monthly Influent Flow: 158.57 MGD
- Monthly Average Influent Flow: 5.12 MGD
- Highest Daily Influent Flow (8/9): 9.48 MGD
- Lowest Daily Influent Flow (8/5): 4.21 MGD
- 12-Month Rolling Effluent Average: 3.91 MGD

On-line Treatment Units:

- 4- Primary Clarifiers
- 2- Aeration Basins
- 4- Secondary Clarifiers
- 8- De-nitrification Filters

Reuse Water Distribution Data

	August	Year to date gallons
Best Western Hotel	38,000	272,000
Centre Hills Golf	6,761,270	26,402,570
Stewart Drive	29,000	48,000
Collections Maintenance Garage	2,000	12,000
CINTAS	555,860	3,659,213
Red Line	388,000	3,533,000
Plant site	5,350,000	37,954,000
GDK Park vault	39,377,000	299,314,000
Kissinger's Pond	0	0
Elks	1,743,000	9,919,000
<b>Total Gallons</b>	<b>54,244,130</b>	<b>381,113,783</b>
Plant effluent temperature monthly average	72.5°	
Wetland temperature monthly average	72.4°	

**Plant Maintenance**

- Replaced the pump diaphragms in Primary Pumps #1 and #3.
- Repair a roof leak in the Administration Building roof.
- Replaced the dry side sump pump at the Main Station.



- Replaced the signal isolator on Main Station Pump #1.

### 6.4 Collection Systems Superintendent’s Report

The following comments are as presented to the Board in the written report prepared by Daren Brown, Collection System Superintendent.

#### Mainline Maintenance:

Mainline Cleaning – 410 ft cleaned/cut with root cutter.  
 Mainline televising – 14,304 ft televised – 61 manholes inspected.  
 Wiltshire Dr. – Replaced 492’ of sewer pipe (pipe replacement complete)  
 24 – Casting adjustments

#### Lift Station Maintenance:

Replaced E-One grinder pump at 1340 Deerfield Dr. (Greenbriar)  
 Cleaned (7) wet wells.

#### Next Month Projects:

Wiltshire Drive Project – finish restoration  
 Prep work for Greenwood Circle Project  
 Continue televising mainline.  
 GIS for mapping  
 Mainline flushing

#### Inspection:

Winfield Heights Phase 2 (90% complete)

#### Mainline Construction:

- Rockey Ridge Sec. 6 (waiting on pre-construction meeting)
- Decibel Partners Hotel (waiting on pre-construction meeting)
- Mount Nittany Manor (Design drawings and revisions)

#### New Connections:

a. Single-Family Residential	9	c. Commercial	1
b. Multi-Family Residential	0	d. Non-Residential	0

**TOTAL 10**

PA One-Calls Responded to August 1 thru August 31, 2024: 370

### 6.5 Consulting Engineer’s Report

The following comments are as presented to the Board in the written report prepared by the Consulting Engineer.

**Retainer Services (001178.0693)**

- The Centre County Conservation District issued two letters regarding the expiration of the NPDES General Permits for the Material Stockpile Area and Stormwater from Construction Activities. Both permits will expire on December 7, 2024. This is a result of the department publishing a final, re-issued NPDES PAG-02 General Permit.

**Puddintown Interceptor Act 537 Special Study (P001178.0725)**

- Comments submitted to the CRPA were forwarded to UAJA and HRG. Responses to the comments are being compiled.
- The study will be presented at the joint Centre Region Planning Commission and COG Land Use and Community Infrastructure which has been rescheduled for November 7<sup>th</sup> at 12:15 pm.

**West Patton Pump Station Basis of Design (R001178.0730)**

- The developer’s Engineering is scheduling a meeting to review the pump station design (August 18<sup>th</sup> or 19<sup>th</sup>).

**Sanitary Sewer Replacement Permitting (R001178.0734)**

- Field survey has been completed.
- Permit applications are being prepared.

**Developer Plan Reviews:**

- Mount Nittany Manor Phase 1 (1178.0736): Design review comments were returned to the Developer’s Engineer on September 9, 2024.

**6.6 Executive Director’s Report**

Mr. Miller discussed the need for scheduling an additional special meeting on September 25, 2024, at 4:00 pm, with the board members to go over a potential Interim Agreement with State College Borough.

**7. Other Business**

None.

**8. Adjournment**

A motion was made by Mr. Nucciarone, second by Mr. Derr, to adjourn the meeting at 5:51 pm. The motion was passed unanimously.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary