

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

**Regular Meeting – April 17, 2024**

**1. Call to Order**

Mr. Lapinski, Chairman, called the regular meeting to order at 4:00 p.m., Wednesday, April 17, 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, Nucciarone, Miles, and Auman; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Sierra Weight, Administrative Assistant; Daren Brown, Collection System Superintendent; Andy Breon, Plant Superintendent; Jason Wert, Rettew; Michele Aukerman, Rettew; C-NET; Ben Burns, HRG; Jeff Garrigan, HRG; Steve Morra, Quandel Enterprises; David Gaines, Solicitor. The following were in attendance via Zoom: Messrs. Derr, Daubert; Sam Robbins, State College Borough; Mike Tylka, CRPA Director.

**2. Reading of the Minutes**

UAJA Regular Meeting – March 20, 2024

<b>UAJA Meeting Minutes Approved</b>
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A motion was made by Mr. Miles, second by Mr. Derr to approve the meeting minutes of the UAJA meeting held on March 20, 2024. The motion passed unanimously.

**3. Public Comment**

**3.1 Other items not on the agenda**

None.

**4. Old Business**

**4.1 Rate Subcommittee**

A Rate Subcommittee meeting was held April 4, 2024. The subcommittee chair, Mark Kunkle, will provide a brief update.

**Recommendation:** No action, discussion only.

**4.2 Phosphorus Study Presentation**

A phosphorus study has been underway for several years and is being conducted by RETTEW. The purpose of the study is to determine if it might be possible for the Phosphorus limit in the UAJA plant NPDES permit to be able to be relaxed, which could potentially result in significant savings and improve plant operations. RETTEW will present an update on the history and progress of the study.

**5. New Business**

### 5.1 2023 Audit Subcommittee

The 2023 audit field work is coming to a close. As in past years, staff would like an audit subcommittee to review the draft audit with our auditors (Maher Duessel) and staff in early May. The 2023 audit will be presented for approval at the May board meeting. The audit subcommittee has traditionally consisted of the Treasurer, Assistant treasurer and one other board member.

**Recommendation:** Appoint subcommittee and establish firm date for meeting with Maher Duessel and staff.

**Appointment of 2023  
Audit Subcommittee**

The appointment of the 2023 Audit Subcommittee was presented as follows, Mr. Nucciarone, Treasurer, Mr. Kunkle, Assistant Treasurer, and Mr. Glebe, Board Member.

### 5.2 Contract 2021-05 Ozone Project Change Order No. 01

This change order is for three items.

1. Additional sidewalk for chemical building \$3,740.35 and 2 days.
2. Additional soldier course block \$1,977.47 and 3 days.
3. Ozone tank hatch seal \$5,006.09 and 3 days.

The change order has been reviewed by RETTEW and staff, and approval is recommended.

**Recommendation:** Approve Contract 2021-05 Change Order 01 in the amount of \$10,723.91 and 8 days.

**Contract 2021-05 Ozone  
Project Change Order  
No. 01  
Approved**

A motion was made by Mr. Miles, second by Mr. Kunkle, to approve Contract 2021-05 Change Order 01, in the amount of \$10,723.91 and 8 days. The motion passed unanimously.

### 5.3 Grinder Pump Escrow Increase

The rate resolution includes a fee for Grinder Pump Escrow, which is an amount to be paid for each property which is connected to the UAJA system with a grinder pump owned and operated by UAJA. The purpose of the fee is to put gravity sewer service and grinder pump service on an equal financial impact to UAJA. Grinder pumps have a shorter lifespan than traditional gravity service. The fee is sufficient to replace the grinder pump one time. The fee has not been adjusted for many years, and the price of a grinder pump has increased significantly in the past several years due to inflation. A new grinder pump costs \$3,475.00, while the current fee is \$2,331.00. The fee is included in the Rate Resolution; thus, this action is to adopt a new Rate Resolution, with the only change being the amount of the grinder pump escrow.

**Recommendation:** Adopt the revised Rate Resolution with an effective date of 4-18-2024.

**Revised Rate Resolution  
Approved**

A motion was made by Mr. Guss, second by Mr. Derr, to adopt a revised Rate Resolution, with the only change being the increased grinder pump escrow from \$2,331.00 to \$3,475.00. The motion passed unanimously.

**5.4 Requisitions**

BRIF #858	Glossner’s Concrete, Inc. Princeton Drive Project	\$729.00
BRIF #859	Lake Auto 2024 Ford F350	\$69,322.42
BRIF #860	Heidelberg Materials Princeton Dr. & Barkway/Wilts Ln. Project	\$6,534.77
BRIF #861	Best Line Equipment Princeton Dr. Project	\$1, 106.00
BRIF #862	Maxwell Truck & Equipment Ford F350 Shelving	\$620.82
BRIF #863	Sunbelt Rentals Princeton Dr. Project	\$403.86
BRIF #864	Graymont Quicklime (Sludge Drying Project)	\$8,362.20
BRIF #865	Growmark Quicklime (Sludge Drying Project)	\$600.00
BRIF #866	CUES, Inc. Inspection Camera	\$11,406.90
BRIF #867	Jettors Portable Jetter	\$19,000.00
BRIF #868	Ducken Tree Farm Barkway/Wilts Ln. Project	\$2,452.40
<b>TOTAL BRIF-</b>		<b>\$120,538.37</b>

**BRIF Fund  
 Approved**

A motion was made by Mr. Nucciarone, second by Mr. Auman, to approve BRIF Fund #858, #859, #860, #861, #862, #863, #864, #865, #866, #867, and #868 in the amount of \$120,538.37. The motion passed unanimously.

Construction Fund #009	Rettew Sludge Drying Project	\$16,145.00
Construction Fund #010	Rettew Ozone Disinfection Project	\$5,670.00

Construction Fund #011	Myco Mechanical Pay App #1 – Sludge Drying Project - HVAC	\$16,394.40
Construction Fund #012	Quandel Construction Group Pay App. #4 – Sludge Drying Project - General	\$291,150.90
<b>TOTAL 2021 CONSTRUCTION FUND -</b>		<b>\$329,360.30</b>

**Construction Fund  
Approved**

A motion was made by Mr. Kunkle, second by Mr. Glebe, to approve Construction Fund #009, #010, #011 and #012 in the amount of \$329,360.30. The motion passed unanimously.

Revenue Fund #206	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. Nucciarone, second by Mr. Auman to approve Revenue Fund #206 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 March 31, 2024, were reviewed with the Board by Jason Brown.

### 6.2 Chairman’s Report

None.

### 6.3 Plant Superintendent’s Report

#### Compost & Septage Operations Report

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

#### COMPOST PRODUCTION AND DISTRIBUTION

UNITS IN CU/YDS	OCTOBER 2023	NOVEMBER 2023	DECEMBER 2023	JANUARY 2024	FEBRUARY 2024	MARCH 2024
PRODUCTION	661	617	487	651	625	780
YTD PRODUCTION	6983	7600	8087	651	1276	2056
DISTRIBUTION	694	522	562	384	173	452
YTD DISTRIBUTION	7872	8410	8972	384	557	1009
IMMEDIATE SALE	651	681	800	705	1183	1357
CURRENTLY IN STORAGE	1312	1298	1287	1356	1808	2137

\*April 8, 2024, UAJA began hauling sludge to the landfill.

SEPTAGE OPERATIONS

LBS/SOLIDS

	OCTOBER 2023	NOVEMBER 2023	DECEMBER 2023	JANUARY 2024	FEBRUARY 2024	MARCH 2024
PORT MATILDA	1287	1376	1376	625	1330	759
HUSTON TOWNSHIP	703	734	567	310	584	517

TOTAL GALLONS

	OCTOBER 2023	NOVEMBER 2023	DECEMBER 2023	JANUARY 2024	FEBRUARY 2024	MARCH 2024
RESIDENTIAL/COMMERCIAL	33670	19150	5500	1350	3100	3600
PORT MATILDA	11000	11000	11000	5352	11000	6500
HUSTON TOWNSHIP	7300	6000	6000	7800	8000	8000
<b>TOTAL GALLONS</b>	<b>51970</b>	<b>36150</b>	<b>22500</b>	<b>14502</b>	<b>22100</b>	<b>18100</b>

Plant Operations:

- Total Monthly Influent Flow: 176.42 MGD
- Monthly Average Influent Flow: 5.69 MGD
- Highest Daily Influent Flow (3/10): 6.95 MGD
- Lowest Daily Influent Flow (3/4): 4.76 MGD
- 12-Month Rolling Effluent Average: 3.71 MGD

On-line Treatment Units:

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

Reuse Water Distribution Data

	March	Year to date gallons
Best Western Hotel	33,000	105,000
Centre Hills Golf	0	0
Stewart Drive	0	0
Collections Maintenance Garage	1,000	3,000
CINTAS	399,000	1,220,000
Red Line	402,000	1,299,000
Plant site	4,660,000	13,487,000
GDK Park vault	46,190,000	124,122,000
Kissinger's Pond	0	0



Elks	0	0
Total Gallons	51,685,000	140,236,000
Plant effluent temperature monthly average	57.2°	
Wetland temperature monthly average	58.5°	

**Plant Maintenance**

- Replaced the wear shoes on Primary Tank #5.
- Installed a new Utility Water Pump.
- Replaced the electric heater on the top floor of the Primary Building.
- Rebuilt AWT Chlorine Pump #2 and repaired the chlorine line.
- Replaced the turbo on the skid steer.
- Serviced the engine and repaired a hydraulic cylinder on the 621G loader.

**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:**

New Laterals – 3 (300 Puddintown Rd. 2-3490 W. College Ave.)  
Mainline Cleaning – 350 ft cleaned/cut with root cutter.  
Mainline televising – 15,374 ft televised – 82 manholes inspected.  
Wilts Lane backlot project: Replaced 112’ of 8” mainline.  
Princeton Sewer Relocation – Relocated 450’ of mainline, 60’ of lateral and set 3 new manholes.  
Mainline repair at Jacks Mill Drive

**Lift Station Maintenance:**

Cleaned (12) wet wells.

**Next Month Projects:**

Finish Wilts Ln. project.  
Start Fox Hollow backlot project.  
Continue televising mainline.  
GIS for mapping  
Mainline flushing

**Inspection:**

(2) Grayspoint 7A and Stocker Autobody

**Mainline Construction:**

- a. Grayspoint Phase 7A – waiting on final as-builts.
- b. Stocker Auto Body – waiting on final as-builts.
- c. Reviewed drawing for Rocky Ridge.

**New Connections:**

a. Single-Family Residential	6	c. Commercial	0
b. Multi-Family Residential	0	d. Non-Residential	0
<b>TOTAL</b>			<b>6</b>

PA One-Calls Responded to March 1 thru March 31, 2024: 235

**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)**

- Pump Station Capacity Tables and a system map were prepared for the 2023 Chapter 94 Report.

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

- EDU counts and flow projections within the Puddintown Interceptor are being finalized and the hydraulic model is being updated accordingly.
- A draft report is anticipated to be developed prior to the May meeting.

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

- Collaboration is ongoing with the Developer’s consultant regarding pump characteristics and the basis of design.
- The Marywood Station pumps were evaluated for use at the Ghaner Pump Station; however, it was determined that there would be no additional flow capacity.
- If desirable, the Ghaner Drive Pump Station could be upgraded with Flygt pumps to convey higher flows.

**Developer Plan Reviews:**

- There are currently no active reviews.

**6.6 Construction Report**

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

- Continuous in-stream monitoring of Spring Creek has been completed. We have provided compiled data to the PA DEP for review and determination of next steps. We will provide an update/refresher of work completed to date at the Board meeting.

**Phosphorus Study Project Schedule**

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

**Ozone Disinfection for Effluent (094612023)**

- The General Contractor and Manufacturer have successfully generated ozone and applied it to the Ozone Tank. The transition of forward flow to the new Ozone Tank is scheduled for the week of April 15<sup>th</sup>, during which time the Manufacturer will perform their Site Acceptance Test of equipment.
- Contract No. 2021-05 – Change Order No. 01 – We have prepared and recommend Change Order No. 01 for an increase of \$10,723.91 and 8 days to this contract. This change order includes additional sidewalk, additional block for the Ozone Building, and modifications to the hatches on the Ozone Tank.
- Contract 2021-07 – we are scheduling a Substantial Completion inspection with the McClure Company.

<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
2021-05 GC			\$5,448,000.00	\$5,170,200.00	94.90%	\$536,310.00
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	\$6,021,000.00	\$5,719,700.00	95.00%	\$587,285.00

**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)**

- Job conference No. 02 was held April 2<sup>nd</sup>.
- Various equipment submittals are under review.
- Sludge hauling commenced April 8<sup>th</sup>.
- Groundbreaking ceremony scheduled for April 26<sup>th</sup>.

<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	04	\$291,150.90	\$66,606,000.00	\$6,809,773.00	10.22%	\$60,477,204.30
2022-02			\$784,000.00		0.00%	\$784,000.00
2022-03	01	\$16,394.40	\$759,000.00	\$18,216.00	2.40%	\$742,605.60
2022-04			\$6,598,900.00		0.00%	\$6,598,900.00
		\$307,545.30	\$74,747,900.00	\$6,827,989.00	9.13%	\$67,919,911.00

- Application for Payment No. 04 has been received for Contract 2022-01 (General Construction) in the amount of \$291,150.90. RETTEW recommends payment of Application for Payment No. 04 in the amount of \$291,150.90.
- Application for Payment No. 01 has been received for Contract 2022-03 (HVAC) in the amount of \$16,394.40. RETTEW recommends payment of Application for Payment No. 01 in the amount of



\$16,394.40.

### 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

#### NPDES Permit Renewal

- The NPDES permit renewal application for the WWTP discharge to Spring Creek has been submitted to the PA DEP.

#### 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.

#### 6.7 Executive Director's Report

- Mr. Miller extended his thanks to the staff in Dewatering for all their hard work.

#### 7. Other Business

None.

#### 8. Adjournment

A motion was made by Mr. Nucciarone, second by Mr. Miles, to adjourn the meeting at 5:06 pm. The motion was passed unanimously.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary

