

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

**Regular Meeting – August 17, 2022**

**1. Call to Order**

Mr. Lapinski, Chair, called the regular meeting to order at 4:00 p.m., Wednesday, August 17, 2022. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Lapinski, Ebaugh, Guss, Glebe, Miles, and Auman; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Mark Harter, Collection System Superintendent; Daren Brown, Collection System Superintendent; Andy Breon, Assistant Plant Superintendent; Sierra Weight, Administrative Assistant; David Gaines, Solicitor; Jason Wert, Rettew; Michele Aukerman, Rettew; C-NET; Jeff Garrigan, HRG Consulting Engineer; Ben Burns, HRG Consulting Engineer. The following were in attendance via Zoom: Messrs. Kunkle, Nucciarone, Daubert, and Derr; Sam Robbins, State College Borough; Lee Stinnett, State College Borough Special Council; Mark Boeckel, Center Region Planning Agency.

**2. Reading of the Minutes**

UAJA Regular Meeting – July 20, 2022

<b>UAJA Meeting Minutes Approved</b>
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A motion was made by Mr. Ebaugh, second by Mr. Miles, to remove Mr. Nucciarone from the meeting minutes and to approve the meeting minutes of the UAJA meeting held on July 20, 2022. The motion passed unanimously.

**3. Public Comment**

**3.1 Other items not on the agenda**

None.

**4. Old Business**

**4.1 State College Borough Payment Withholding**

State College Borough (Borough) has elected to not pay the full amount of their first and second quarter UAJA bills for sewer service, but instead are escrowing a portion of their payment. The rate charged to the Borough was adopted at the November 2021 regular UAJA Board meeting with an effective date of January 1, 2022. The rate was determined based on a rate study presented to the UAJA Board at the October 2021 Board meeting. For the first two quarters of 2022, the Borough has elected to pay based on the rate that was in effect during 2021. The 2021 rate was \$5,287 per million gallons. The 2022 rate is \$66 per Equivalent Dwelling Unit (EDU). As of the date of this report, the Borough has underpaid \$406,088.08, which is assumed to be in an escrow account controlled by the Borough.

The Borough's withholding could trigger a rate increase should the withholding continue past December 31, 2022. The amount is large enough to cause UAJA's debt service coverage to be less than 1.10.

Anytime the debt service coverage is below 1.1 UAJA must increase rates to again reach the required coverage.

Recently the Borough staff has indicated that they will provide a list of questions to UAJA early in the week of August 15<sup>th</sup>. A meeting with UAJA staff and special counsel and Borough staff and special counsel is being scheduled for late August or early September.

**Recommendation:** Discuss and consider formation of a subcommittee.

## 5. New Business

### 5.1 Requisitions

BRIF #733	HRG Scott Road Pump Station Project	\$1,627.50
BRIF #734	Rettew Phosphorus Study	\$6,541.07
BRIF #735	Westmoreland Electric Services, LLC Scott Road Pump Station Project-Pay App. #6	\$4,770.00

**TOTAL BRIF-** **\$12,938.57**

**BRIF Approved**

A motion was made by Mr. Nucciarone, second by Mr. Guss to approve BRIF #733, #734, and #735 in the amount of \$12,938.57. The motion passed unanimously.

Construction Fund #048	Rettew Ozone Disinfection Project	\$4,930.00
Construction Fund #049	Rettew Biosolids Upgrade Project	\$22,477.90
Construction Fund #050	PSI Pumping Solutions Ozone Disinfection Project- Pay App #3(G)	\$536,891.10
Construction Fund #051	McClure Company Ozone Disinfection Project- Pay App #2(M)	\$22,726.19

**TOTAL 2020 A CONSTRUCTION FUND** **\$587,025.19**

**Construction Fund  
Approved**

A motion was made by Mr. Derr, second by Mr. Nucciarone to approve Construction Fund #048, #049, #050 and #051, in the amount of \$587,025.19. 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 July 31, 2022, 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 Art Brant, Plant Superintendent.

COMPOST PRODUCTION AND DISTRIBUTION

	<u>Feb. 2022</u>	<u>Mar. 2022</u>	<u>Apr. 2022</u>	<u>May. 2022</u>	<u>Jun. 2022</u>	<u>Jul. 2022</u>
<b>Production</b>	768 cu/yds.	874 cu/yds.	824 cu/yds.	882 cu/yds.	760 cu/yds.	632 cu/yds.
<b>YTD. Production</b>	1,607 cu/yds.	2,481 cu/yds.	3,305 cu/yds.	4,255 cu/yds.	5,015 cu/yds.	5,647 cu/yds.
<b>Distribution</b>	769 cu/yds.	936 cu/yds.	770 cu/yds.	944 cu/yds.	733 cu/yds.	718 cu/yds.
<b>YTD. Distribution</b>	1,304 cu/yds.	2,240 cu/yds.	3,010 cu/yds.	3,954 cu/yds.	4,687 cu/yds.	5,405 cu/yds.
<b>Immediate Sale</b>	936 cu/yds.	768 cu/yds.	874 cu/yds.	824 cu/yds.	973 cu/yds.	1,015 cu/yds.
<b>Currently in Storage</b>	1,705 cu/yds.	1,704 cu/yds.	1,642 cu/yds.	1,698 cu/yds.	1,733 cu/yds.	1,647 cu/yds.

SEPTAGE OPERATIONS

	<u>Feb. 2022</u>	<u>Mar. 2022</u>	<u>Apr. 2022</u>	<u>May. 2022</u>	<u>Jun. 2022</u>	<u>Jul. 2022</u>
<b>Res./Comm.</b>	47,200 gals.	53,300 gals.	59,400 gals.	67,725 gals.	68,775 gals.	64,400 gals.
<b>CH/Potter</b>	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	1943.22 lbs/solids	0.00 lbs/solids
<b>Port Matilda</b>	1,317.72 lbs/solids	1,768.08 lbs/solids	1,501.20 lbs/solids	1,597.11 lbs/solids	1,505.37 lbs/solids	1,192.62 lbs/solids
<b>Huston Twp.</b>	300.24 lbs/solids	540.44 lbs/solids	417.00 lbs/solids	467.04 lbs/solids	500.40 lbs/solids	583.80 lbs/solids

<b>Total Flow</b>	69,200 gals.	79,300 gals.	79,400 gals.	91,725 gals.	106,775 gals.	84,400 gals.
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**Plant Operation**

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for July was 4.29mgd with the average for the month being 2.94mgd. The average monthly **influent** flow was 4.36mgd. Treatment units online are as follows: primary clarifiers #1, #2, #5 and #6; aeration basins #2 and #3; secondary clarifiers #1, #2, and #4; all eight tertiary filters are online.

Below is the chart for Reuse Distribution and Temperature Data:

	July-22	YTD	Plant Effl. Temp	Wetland Effl. Temp.
<b>Best Western</b>	30,000	268,000		
<b>Centre Hills</b>	5,962,000	15,383,000	<b>July-22</b>	<b>July-22</b>
<b>Cintas</b>	485,000	3,567,000	69.9	72.1
<b>Red Line</b>	414,000	3,548,000		
<b>UAJA Wetland</b>	3,886,000	9,373,000		
<b>GDK Vault</b>	15,515,000	114,184,000		
<b>Elks</b>	3,005,000	4,653,000		
<b>Kissingers</b>	1,988,000	15,301,000		
<b>Stewarts/M.C.</b>	4,700	29,830		
<b>TOTAL</b>	31,289,700	166,306,830		

**Plant Maintenance**

- Replaced a mixer in Aeration Train #2.
- Replaced the valve and actuator on Train #2, Zone 1.
- Switched Aeration basins from Train #1 to Train #3.
- Lepley Electric repaired a shorted power cable to Train #3.
- A power cable on Train #3 was damaged during the new Aeration Piping Project. This will be repaired under warranty.
- Replaced the Ozone destruct % monitor.
- Replaced an actuator and valve on AV-15 on MF #5.
- Repaired AV-2 actuator on MF #2.
- Installed new membranes in RO #2.
- Repaired the water line to Odor Control Pump #2.
- Replaced the Odor Control wet well level monitor.

**6.4 Collection Systems Superintendent’s Report**

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

**Mainline Maintenance:**

Helped plant crews at AWT changing filters and repair water line.  
 We are televising existing mainlines and laterals to update our GIS mapping.  
 New Laterals – (2) 181 Old Boalsburg Rd. and 134 Old Mill Rd.  
 Mainline Cleaning – 1,468 ft cleaned, and 12 manholes inspected.

Mainline televising – 22,926 ft televised - 198 manholes inspected.

**Lift Station Maintenance:**

Repaired air conditioner at Shiloh station.  
Replaced (4) E-One pump cores in the service area.  
Replaced a pump at the Scott Road station.  
Cleaned (9) wet wells.

**Next Month Projects:**

Mainline repair on Nixon Rd.  
Casting adjustments on Twp. paving projects.  
Wet well and mainline cleaning.  
GIS updating.  
Televising 2023 Twp. paving project.

**Inspection:**

Final As-Builts Approved:  
a. Meyer Dairy

**Mainline Construction:**

- a. Whitehall Regional Park – Construction is approximately 50% complete.
- b. Village at Penn State phase 16 – Construction is approximately 25% complete.

**New Connections:**

a.	Single-Family Residential	15	c.	Commercial	2
b.	Multi-Family Residential	1	d.	Non-Residential	0

**TOTAL 18**

PA One-Calls Responded to 7/1-31/22: 375

**6.5 Consulting Engineer’s Report**

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

**Odor Control System Upgrades (R001178.0597)**

- The PA DEP issued the final operating permit for the Spring Creek Pollution Control Facility. The permit expiration date is July 31, 2027.
- Any modification to existing facilities will require an amendment to the operating permit.

**Meeks Lane Pump Station – Act 537 Plan Special Study (R001178.0663)**

- The Meeks Lane Special Study is being revised to include alternative and capacity descriptions that are mutually acceptable to the UAJA and to the CRPA.

**Proposed Meeks Lane Pump Station Project Implementation Schedule**

Milestone	Date
Submit Revised Special Study CRPA/Municipalities (60-day Review)	August, 2022
Public Comment Period (30 Days)	Nov.8th –Dec.8th
Presentation of Study at Municipal Meetings	September, 2022
Start Design	September, 2022
Receive Municipal/Planning Comments, Conclude Public Comment Period	October, 2022
Adoption by Municipalities and CRCOG (General Forum Presentation)	October, 2022
Submission of Special Study to PA DEP (120-day Review)	October, 2022
DEP Approval of Special Study/WQM/NPDES	April, 2023
Complete Design/BIDDING	May, 2023
Begin Construction	July, 2023
Project Completion (12 Months of Construction) **,***	July, 2024

\*Assumes DEP approval of Special Study and WQM Permit within 120 Days. Concurrent or sequential submission of Study and Permit Application.

\*\*Minimum construction period required for UAJA Construction Crew

\*\*\*Material and equipment lead-times may dramatically extend the construction period.

**Scott Road Pump Station and Bristol Interceptor (R001178.0682)**

- There was no progress meeting held in August due to work inactivity.
- Both Contractors have advanced the work as far as practical based on equipment availability. Project completion is being delayed due to the generator and automatic transfer switch. Delivery of these components is scheduled for mid-September.
- Contract 21-04 submitted an application for payment. Based on the contract requirements and the work completed, payment in the amount requested is recommended.

**Scott Road Pump Station Upgrade – Summary of Applications for Payment**

Contract No.	Application for Payment No.	Amount Due	Current Contract Price	Total Completed and Stored	Balance to Finish Plus Retainage
2021-03	--	\$0.00	\$476,703.00	\$440,103.00	\$58,605.15
2021-04	6	\$4,770.00	\$244,500.00	\$116,970.00	\$139,227.00

- Both Contractors have submitted time extension requests. A decision regarding these requests is being withheld until the work is substantially complete.

**State College Borough Rate Study and Tapping Fee Update – (R001178.0703)**

- HRG is available to review comments and reports.

**Developer Plan Reviews:**

- Toftrees Planned Community West, Mount Nittany Health Outpatient Center (R001178.0715): Design drawings were reviewed and recommended for approval on August 2, 2022.

**6.6 Construction Report**

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

- Continuous in-stream monitoring of Spring Creek continues.

**Phosphorus Study Project Schedule**

Milestone	Date
Complete Stream Monitoring and Compile Data	August 2022
Review Data with PADEP	August/September 2022
Conduct High Temperature/Low Flow Monitoring if needed	September 2022

**Ozone Disinfection for Effluent (094612023)**

- Continuation of submittal submission/reviews, with all major equipment processed.
- General Contractor anticipates site work to begin in August.

**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	3	\$536,891.10	\$5,448,000.00	\$1,035,723.23	19.01%	\$4,515,849.10
2021-06 EC			\$350,000.00	\$38,316.75	10.95%	\$315,514.93
2021-07 MC	2	\$22,726.19	\$223,000.00	\$29,601.32	13.27%	\$196,358.81
		\$559,617.29	\$6,021,000.00	\$1,103,641.30	18.33%	\$4,917,358.70

Contract 2021-05 (PSI) has submitted Application for Payment No. 03 in the amount of \$536,891.10 to reflect stored materials to date. We recommend payment in the amount of \$536,891.10. Contract 2021-07 (McClure) has submitted Application for Payment No. 02 in the amount of \$22,726.19 to reflect stored materials to date. We recommend payment in the amount of \$22,726.19.

**Ozone Disinfection for Effluent Project Schedule**

Milestone	Date
Notice to Proceed Issued	12/27/2021
Substantial Completion	03/27/2023

**Anaerobic Digestion Project (094612026)**

- We are preparing the appropriate forms to obtain plan approval from the PADEP Bureau of Air Quality to include all new potential sources of emissions from the project.
- RETTEW is completing the final design of the new Waste Receiving and Dryer Buildings, along with the remainder of the process drawings and specifications.
- A tour of a nearby co-digestion and RNG facility is being planned for later this month for interested Board members and staff.
- An upcoming meeting will be held in early September with the project stakeholders, including nearby municipalities and the Centre County Refuse and Recycling Authority, to present the final design plans and discuss the logistics of bringing in imported sludge cake and separated organics.

**Anaerobic Digestion Project Schedule**

Milestone	Date
Complete Bidding Documents/Advertise for Bids	October 2022

Award Construction Contracts	December 2022
Begin Construction	February 2023
Complete Construction	July 2025

**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**

Reminder to the board that there is a scheduled tour of the Hermitage Biosolids facility on August 24<sup>th</sup>.

**7. Other Business**

None.

**8. Executive Session**

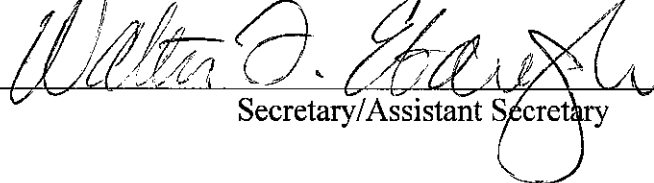
A motion was made by Mr. Ebaugh and second by Mr. Auman to break into executive session at 4:48 pm. The motion passed unanimously.

**9. Adjournment**

The meeting came out of executive session at 5:19 pm. A motion was made by Mr. Nucciarone and second by Mr. Ebaugh to adjourn the meeting at 5:19 pm. The motion passed unanimously.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary