

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

**Regular Meeting – September 21, 2022**

**1. Executive Session**

Executive session was held prior to the start of the regular meeting. A motion was made by Mr. Nucciarone, second by Mr. Miles, to come out of executive session at 4:29 pm.

**2. Call to Order**

Mr. Lapinski, Chair, called the regular meeting to order at 4:31 p.m., Wednesday, September 21, 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, Auman, Kunkle; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Daren Brown, Collection System Superintendent; Art Brant, Plant Superintendent; David Gaines, Solicitor; Michele Aukerman, Rettew; C-NET; Doug Weikel, HRG Consulting Engineer; Ben Burns, HRG Consulting Engineer; Richard Hayes, Pantops HOA; Jack & Dawn Vanden Heuvel, 118 Briar Court; Matthew Reagan, 101 Briar Court; Zachary Papalia, 143 Briar Court; Russ & Lisa Lawrence, 138 Briar Court; John Cabibbo, 102 Briar Court; Larry & Roberta Houts, 691 Meeks Lane.. The following were in attendance via Zoom: Messrs. Nucciarone, Daubert, and Derr; Adrienne Vicari, HRG Consulting Engineer; Jason Wert, Rettew; Sam Robbins, State College Borough; Lee Stinnett, State College Borough Special Council; Mark Boeckel, Center Region Planning Agency; Tom Smida, Mette Evans & Woodside; Tom Archer, Mette Evans & Woodside.

**3. Reading of the Minutes**

UAJA Regular Meeting – August 17, 2022

**UAJA Meeting  
Minutes Approved**

A motion was made by Mr. Ebaugh, second by Mr. Guss, to approve the meeting minutes of the UAJA meeting held on August 17, 2022. The motion passed unanimously.

**4. Public Comment**

**4.1 Other items not on the agenda**

Residents of Blueberry Crossing and surrounding areas voiced concerns to the board about the proposed Meeks Lane pump station.

**5. Old Business**

**5.1 State College Borough Payment Withholding**

State College Borough continues to withhold a large portion of the amount UAJA has billed for the first and second quarters of 2022. The bills were calculated based on the adopted rate for treatment and conveyance adopted November 2021. With penalties, the Borough owes UAJA \$406,088.08.

**Recommendation:** Consider action to resolve dispute with the Borough.

**Table discussion of State College Borough payment withholding**

A motion was made by Mr. Kunkle, second by Mr. Auman, to table any further discussion of the State College Borough payment withholding. The motion passed unanimously.

**Authorization to represent UAJA regarding State College Borough payment withholding**

A motion was made by Mr. Kunkle, second by Mr. Miles, to authorize Cory Miller and staff to represent UAJA during any further discussions involving the State College Borough. The motion passed unanimously.

## 6. Executive Session

A motion was made by Mr. Kunkle, and a second by Mr. Miles to go into a brief executive session. Mr. Lapinski called the regular meeting back to order at 5:13 pm.

## 7. New Business

### 7.1 Requisitions

BRIF #736	HRG Scott Road Pump Station Project	\$1,187.50
BRIF #737	Retnew Phosphorus Study	\$13,841.01
<b>TOTAL BRIF-</b>		<b>\$15,028.51</b>

**BRIF Approved**

A motion was made by Mr. Derr, second by Mr. Guss to approve BRIF #736 and #737, in the amount of \$15,028.51. The motion passed unanimously.

Construction Fund #052	Retnew Ozone Disinfection Project	\$4,527.00
Construction Fund #053	Retnew Biosolids Upgrade Project	\$62,615.14
<b>TOTAL 2020 A CONSTRUCTION FUND</b>		<b>\$67,142.14</b>

**Construction Fund  
Approved**

A motion was made by Mr. Kunkle, second by Mr. Auman to approve Construction Fund #052 and #053, in the amount of \$67,142.14. The motion passed unanimously.

Revenue Fund #188	Debt Service, Operation and Maintenance Expenses	\$1,000,000.00
<b>TOTAL REVENUE FUND</b>		<b>\$1,000,000.00</b>

**Total Revenue Fund**

A motion was made by Mr. Auman, second by Mr. Ebaugh to approve Revenue Fund #188, in the amount of \$1,000,000. The motion passed unanimously.

**8. Reports to Officers**

**8.1 Financial Report**

The different cost centers of the YTD budget report for the period ending August 31, 2022, were reviewed with the Board by Jason Brown.

**8.2 Chairman's Report**

None.

**8.3 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>March 2022</u>	<u>April 2022</u>	<u>May 2022</u>	<u>June 2022</u>	<u>July 2022</u>	<u>Aug. 2022</u>
<b>Production</b>	874 cu/yds.	824 cu/yds.	882 cu/yds.	760 cu/yds.	632 cu/yds.	805 cu/yds.
<b>YTD. Production</b>	2,481 cu/yds.	3,305 cu/yds.	4,255 cu/yds.	5,015 cu/yds.	5,647 cu/yds.	6,452 cu/yds.
<b>Distribution</b>	936 cu/yds.	770 cu/yds.	944 cu/yds.	733 cu/yds.	718 cu/yds.	975 cu/yds.
<b>YTD. Distribution</b>	2,240 cu/yds.	3,010 cu/yds.	3,954 cu/yds.	4,687 cu/yds.	5,405 cu/yds.	6,380 cu/yds.
<b>Immediate Sale</b>	768 cu/yds.	874 cu/yds.	824 cu/yds.	973 cu/yds.	1,015 cu/yds.	672 cu/yds.
<b>Currently in Storage</b>	1,704 cu/yds.	1,642 cu/yds.	1,698 cu/yds.	1,733 cu/yds.	1,647 cu/yds.	1,477 cu/yds.

SEPTAGE OPERATIONS

	<u>March 2022</u>	<u>April 2022</u>	<u>May 2022</u>	<u>June 2022</u>	<u>July 2022</u>	<u>Aug. 2022</u>
<b>Res./Comm.</b>	53,300 gals.	59,400 gals.	67,725 gals.	68,775 gals.	64,400 gals.	75,200 gals.
<b>CH/Potter</b>	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	1943.22 lbs/solids	0.00 lbs/solids	0.00 lbs/solids
<b>Port Matilda</b>	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	1,705.53 lbs/solids
<b>Huston Twp.</b>	540.44 lbs/solids	417.00 lbs/solids	467.04 lbs/solids	500.40 lbs/solids	583.80 lbs/solids	383.64 lbs/solids
<b>Total Flow</b>	79,300 gals.	79,400 gals.	91,725 gals.	106,775 gals.	84,400 gals.	97,700 gals.

**Plant Operation**

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for August was 4.30mgd with the average for the month being 3.15mgd. The average monthly **influent** flow was 4.73mgd. 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:

	<b>August -22</b>	<b>YTD</b>	<b>Plant Effl. Temp</b>	<b>Wetland Effl. Temp.</b>
<b>Best Western</b>	<b>44,000</b>	<b>312,000</b>		
<b>Centre Hills</b>	<b>5,783,000</b>	<b>21,166,000</b>	<b>August-22</b>	<b>August-22</b>
<b>Cintas</b>	<b>585,000</b>	<b>4,152,000</b>	<b>71.5</b>	<b>73.3</b>
<b>Red Line</b>	<b>328,000</b>	<b>3,876,000</b>		
<b>UAJA Wetland</b>	<b>4,666,000</b>	<b>14,039,000</b>		
<b>GDK Vault</b>	<b>23,403,000</b>	<b>137,587,000</b>		
<b>Elks</b>	<b>2,456,000</b>	<b>7,109,000</b>		
<b>Kissingers</b>	<b>2,105,000</b>	<b>17,406,000</b>		
<b>Stewarts/M.C.</b>	<b>2,500</b>	<b>32,330</b>		
<b>TOTAL</b>	<b>39,372,500</b>	<b>205,679,330</b>		

**Plant Maintenance**

- Alfa Laval has started the rebuild of our centrifuge. The estimate is approximately \$80,000. The rebuild should take the next couple of weeks. This will complete the rebuilds of both centrifuges.
- Repaired control wiring to Primary Flight drive #2.
- Replaced the check valve cushion on AWT Feed Pump #2.
- Land-pro repaired the 4X2 diesel Gator.
- The power cable for Aeration tank #3 was replaced by McCrossin under warranty.
- Replaced all the UV lamps and a ballast in AWT.

- Replaced AV-15 on MF#4.
- Repaired AV-16 on MF#1.
- Repaired the wiring on RO CIP tank heater.
- Rebuilt flow regulators for the GDK Wetlands.
- Replaced the scrapers on the long and transfer belts at Compost.
- Replaced a hydraulic lift cylinder on Composter #2.
- Replaced the auger chains in the Knight Mixers.

#### **8.4 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:**

Repaired 40 ft of mainline on Nixon Rd.

We are televising existing mainlines and laterals to update our GIS mapping.

New Laterals – None

Mainline Cleaning – 3,978 ft cleaned, and 28 manholes inspected.

Mainline Televising – 23,910 ft televised; 222 manholes inspected.

##### **Lift Station Maintenance:**

Replaced (2) E-One pump cores in the service area.

Cleaned (13) wet wells.

##### **Next Month Projects:**

2 Mainline Repairs

3 Lateral Repairs

Flushing Mainlines

Restoration of digs

1 New Lateral Tap

##### **Inspection:**

Final As-Builts Approved: None

##### **Mainline Construction:**

- a. Whitehall Regional Park – Construction is approximately 80% complete.
- b. Village at Penn State phase 16 – Construction is approximately 80% complete.

##### **New Connections:**

a. Single-Family Residential	8	c. Commercial	1
b. Multi-Family Residential	0	d. Non-Residential	0

**TOTAL 9**

PA One-Calls Responded to Aug. 1 thru Aug. 31, 2022: 521

**8.5 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)**

- Quotes were obtained to align and balance Fan No. 1 when re-installed.

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

- The Meeks Lane Special Study was revised and submitted to staff for review on August 29<sup>th</sup>. Reference to available capacity for Halfmoon Township has been removed from main body of the report and incorporated into an appendix.

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

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

- A Progress Meeting was held on September 7<sup>th</sup>, to coordinate planned work with impending delivery of the automatic transfer switch.
- The automatic transfer switch was delivered to the project site and the Electrical Contractor is working to install it and to coordinate energizing the system.
- There were no applications for payment submitted this month.

**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	--	\$0.00	\$244,500.00	\$116,970.00	\$139,227.00
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- Contract 21-04 (Electrical) submitted two Change Proposal Requests:
  - Backboard Foundation Footings – request for an increase in Contract Price of \$16,954.53 for the installation of concrete footings and additional work to accommodate the footings.
  - Concrete Slab Thickness – request for an increase in Contract Price of \$6,125.74 for increasing the thickness of the electrical/control panel concrete slab by six inches.

A response was issued to the Contractor requiring contractual changes to mark-ups for overhead and profit and requesting justification for the documented impacts, specifically the amount of hours to complete the work.

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

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

- HRG has been participating in meetings regarding the rate study.

**Borough of State College Act 537 Special Study Impact Review (P001178.0717)**

- The Act 537 Special Study for the Calder Way & Atherton Street Sewer Main Replacement Project (Borough of State College) is being reviewed for hydraulic impacts to downstream sewer infrastructure owned by the UAJA.

**Developer Plan Reviews:**

- Patton Crossing Phase 2 – Centre 1<sup>st</sup> Bank (R001178.0716): Design drawings were reviewed and returned with comments for revisions on August 25, 2022.

**8.6 Construction Report**

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

- Continuous in-stream monitoring of Spring Creek continues.

**Phosphorus Study Project Schedule**

Milestone	Date
Review Data with PADEP	September 2022
Complete stream monitoring and compile data	October 2022
Conduct High Temperature/Low Flow Monitoring if needed	TBD

**Ozone Disinfection for Effluent (094612023)**

- Continuation of submittal submission/reviews, with all major equipment processed.
- General Contractor has begun mobilization to site.

**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
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2021-05 GC			\$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			\$223,000.00	\$29,601.32	13.27%	\$196,358.81
		\$0.00	\$6,021,000.00	\$1,103,641.30	18.33%	\$4,917,358.70

There are no applications for payment to process this month. Contractors were notified during the most recent job conference and no applications will be accepted or processed until site work has begun.

**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 will be held at a later date for interested Board members and staff.
- A meeting was held on September 9<sup>th</sup> 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.

**8.7 Executive Director’s Report**

The sheep are doing a wonderful job at mowing the grass under the solar panels.

**9. Other Business**

None.

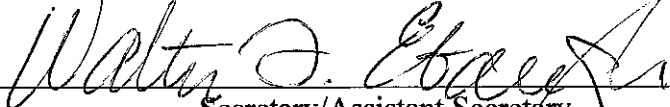
**10. Adjournment**



A motion was made by Mr. Nucciarone, second by Mr. Derr to adjourn the meeting at 5:35 pm. The motion was passed unanimously.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

  
Secretary/Assistant Secretary

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