

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

Regular Meeting – February 23, 2022

1. Call to Order

Mr. Lapinski, Chair, called the regular meeting to order at 4:00 p.m., Wednesday, February 23, 2022. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Dempsey, Guss, Kunkle and Strickland; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Jennifer Grove, Administrative Assistant; David Gaines, Solicitor; Jason Wert, Rettew; Michele Aukerman, Rettew; C-NET; Ben Burns, HRG Consulting Engineer; and Jeff Garrigan, HRG Consulting Engineer. The following were in attendance via Zoom: Messr. Daubert, Derr and Nucciarone; Karli Keisling, PFM; Scott Shearer, PFM; Corey Rilk, Centre Region Planning; and Sam Robbins, State College Borough.

2. Reading of the Minutes

UAJA Regular Meeting – January 19, 2022

**UAJA Meeting
Minutes Approved**

A motion was made by Mr. Derr, second by Mr. Dempsey, to approve the minutes of the UAJA meeting held on January 19, 2022. The motion passed unanimously.

3. Public Comment

3.1 Other items not on the agenda

None.

4. Old Business

4.1 Overview of Series 2017 Bond Refinancing Results

A presentation will be made by Public Financial Management (PFM) to give an overview of the 2017 bond refinancing results. A copy of the presentation is included in the agenda report.

Recommendation: Presentation, no action required.

4.2 State College Borough Request for Delay of EDU Based Billing

A letter was received from the State College Borough requesting a delay in the implementation of the EDU based billing approved by the Board at the November 17, 2021 meeting. The bill for the first quarter of 2022 will not be mailed until early April. There is time for the Borough to complete their evaluation of the rate study completed by HRG at the end of October 2021. No action on this item is required at this time.

Recommendation: Discuss the request, provide guidance to staff.

Mr. Lapinski turned the meeting over to Mr. Dempsey, vice-chair, as he had to leave.

5. New Business

5.1 Requisitions

BRIF #660	HRG Scott Road Pump Station Project	\$3,893.00
BRIF #661	HRG Meeks Lane Pump Station Project	\$3,825.00
BRIF #662	RETTEW Phosphorus Study	\$742.78
BRIF #663	Glenn O. Hawbaker Scott Road Pump Station Project	\$1,265.60
BRIF #664	Best Line Equipment Scott Road Pump Station Project	\$5,790.00
BRIF #665	CDW Government IT Servers	\$90,404.00
BRIF #666	Centre Concrete Scott Road Pump Station Project	\$234.60
BRIF #667	Lake Dealership Chevy Pickup	\$31,549.00
BRIF #668	Bi Lo Supply Scott Road Pump Station Project	\$472.38
BRIF #669	Glossner's Concrete Scott Road Pump Station Project	\$351.75
TOTAL BRIF		\$138,528.11

**BRIF
Approved**

A motion was made by Mr. Derr, second by Mr. Kunkle to approve BRIF #660, #661, #662, #663, #664, #665, #666, #667, #668 and #669 in the amount of \$138,528.11. The motion passed unanimously.

Construction Fund #031	Rettew Ozone Disinfection Project	\$1,502.50
Construction Fund #032	Rettew Biosolids Upgrade Project	\$57,924.55
TOTAL 2020 A CONSTRUCTION FUND		\$59,427.05

**Construction Fund
Approved**

A motion was made by Mr. Guss, second by Mr. Derr to approve Construction Fund #031 and #032 in the amount of \$59,427.05. The motion passed unanimously.

Revenue Fund #184	Debt Service, Operation and Maintenance Expenses	\$1,000,000
TOTAL REVENUE FUND		\$1,000,000

<p>Revenue Fund Approved</p>

A motion was made by Mr. Nucciarone, second by Mr. Kunkle to approve Revenue Fund #184 in the amount of \$1,000,000. The motion passed unanimously.

6. Reports of Officers

6.1 SCBWA Liaison

None. Mr. Nucciarone asked if we could reach out to SCBWA.

6.2 Financial Report

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

Mr. Miller mentioned that C-NET has an open position on their board for a UAJA representative.

6.3 Chairman’s Report

Mr. Dempsey gave an update on the Rate Study Committee. The committee is making progress but are not in agreement how to recommend how the rate should be structured.

6.4 Plant Superintendent’s Report

Mr. Brant mentioned there were signs put up at the UAJA facility that stated as of March 1st, 2022, UAJA will no longer be taking wood or wood debris. Mr. Brown also added that they are hoping to still offer that service to municipalities.

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>Aug. 2021</u>	<u>Sep. 2021</u>	<u>Oct. 2021</u>	<u>Nov. 2021</u>	<u>Dec. 2021</u>	<u>Jan. 2022</u>
Production	866 cu/yds.	890 cu/yds.	990 cu/yds.	701 cu/yds.	700 cu/yds.	839 cu/yds.
YTD. Production	6,662 cu/yds.	7,652 cu/yds.	8,506 cu/yds.	9,207 cu/yds.	9,907 cu/yds.	839 cu/yds.
Distribution	969 cu/yds.	911 cu/yds.	803 cu/yds.	1,015 cu/yds.	974 cu/yds.	535 cu/yds.
YTD. Distribution	7,346 cu/yds.	8,257 cu/yds.	9,060 cu/yds.	10,075 cu/yds.	11,049cu/yds.	535 cu/yds.
Immediate Sale	3,850 cu/yds.	958 cu/yds.	937 cu/yds.	963 cu/yds.	701 cu/yds.	866 cu/yds.
Currently in Storage	1,848 cu/yds.	1,927 cu/yds.	1,978 cu/yds.	1,664 cu/yds.	1,401 cu/yds.	1,705 cu/yds.

SEPTAGE OPERATIONS

	<u>Aug. 2021</u>	<u>Sep. 2021</u>	<u>Oct. 2021</u>	<u>Nov. 2021</u>	<u>Dec. 2021</u>	<u>Jan. 2022</u>
Res./Comm.	68,150 gals.	89,675 gals.	62,100 gals.	56,850 gals.	54,200 gals.	41,550 gals.
CH/Potter	0.00 lbs./solids	0.00 lbs./solids	0.00 lbs./solids	0.00 lbs./solids	0.00 lbs./solids	0.00 lbs./solids
Port Matilda	1,234.32 lbs./solids	1,084.20 lbs./solids	1,100.88 lbs./solids	1,017.48 lbs./solids	1,334.40 lbs./solids	1,284.36 lbs./solids
Huston Twp.	650.52 lbs./solids	583.80 lbs./solids	517.08 lbs./solids	533.76 lbs./solids	433.68 lbs./solids	450.36 lbs./solids
Total Flow	90,150 gals.	111,675 gals.	84,100 gals.	76,850 gals.	82,000 gals.	64,550 gals.

Plant Operation

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for January was 3.82mgd with the average for the month being 4.62mgd. The average monthly **influent** flow was 5.35mgd.

Treatment units online are as follows: primary clarifiers #1, #5 and #6; aeration basins #1 and #2; secondary; clarifiers #1, #3, and #4; all eight tertiary filters are online.

Below is the chart for Reuse Distribution and Temperature Data:

	Jan. 2022	YTD	Plant Effl. Temp.	Wetland Effl. Temp.
Best Western	24,000	24,000		
Centre Hills	0	0	Jan. -22	Jan. -22
Cintas	490,000	490,000	54.6	51.3
Red Line	501,000	501,000		
UAJA Wetland	132,000	132,000		
GDK Vault	12,938,000	12,938,000		
Elks	0	0		
Kissingers	2,079,000	2,079,000		
Stewarts/M.C.	2,000	2,000		
TOTAL	16,166,000	16,166,000		

Plant Maintenance

- Replaced the diaphragm in Primary Pump #12.
- The sight tubes on the Carbon Tanks froze and broke. The site tubes were sealed, and the carbon was pumped back into tanks.
- Replaced the motor starter for the old Primary air compressor #1.
- Installed fused disconnects for the newer air compressors at the Primary Tanks.
- Installed a new VFD for Centrifuge Feed Pump #3 and are waiting for factory start-up.
- The factory rebuilt bowl assembly for Centrifuge #2 was returned and was installed with assistance from Alfa-Laval for start-up.
- Replaced Septage HVAC system.
- Replaced or replaced several valve actuators on the MF's.
- Repaired the level monitor for Mountain Tank #2.
- Replaced 3- 4inch expansion joints in the AWT MF airline.
- Replaced belt scrapers on the horizontal belt at Compost.
- Repaired a hydraulic leak on the street sweeper.
- Replaced the fan coupling in MAU-1303 and flame rod in MAU-1302.

6.5 Collection System 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:

Scott Road force main project Crew 1 – Installed 1,355 ft of 10” force main.
Scott Road force main project Crew 2 – Installed 788 ft of 10” force main.

Lift Station Maintenance:

Replaced phase monitor and transformer at Haymarket station.
Removed oil from wet well at the Big Hollow station.
Routine Maintenance.

Next Month Projects:

Restoration on the Scott Road upgrade project.
Install Lateral at 507 Kennard Road.
Install Lateral at 264 Sycamore Drive.
Mainline flushing and televising for Township paving projects.
Wet well cleaning.
Equipment maintenance.

Inspection: Final As-Builts Approved: None

Mainline Construction:

- a. Aspen Heights Squirrel Drive – Construction is 10% complete.
- b. Grays Pointe ph. 6 Sec D.2 – Construction is 85% complete.

New Connections:

a. Single-Family Residential	5	c. Commercial	0
b. Multi-Family Residential	0	d. Non-Residential	0
TOTAL			5

PA One-Calls Responded to 1/1-31/22: 136

6.6 Engineer’s Report

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

Retainer Services (R001178.0693)

- HRG is assisting with the completion of the Chapter 94 Report.

Odor Control System Upgrades (R001178.0597)

- The air emissions inventory has been revised based on DEPs input and submitted.

Proposed Air Quality Emissions Inventory and Operation Permit Schedule

Milestone	Date
Submit supplemental information requested by DEP	February 2022

PA DEP Determination of Application Requirements	February 2022
Complete and Submit Permit Application	March 2022
PA DEP Issues Permit (Includes 30 Day Public Comment Period)	July 2022

Based on DEP’s input and timeline for review.

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

- The study has been paused while the pump station site is being further evaluated.

Proposed Meeks Lane Pump Station Project Implementation Schedule

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

* 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.

Beneficial Reuse Service Area Designation – Act 537 Plan Special Study (R001178.0666)

- Completion of the Special Study has been paused while a Risk Assessment is conducted by the CRCOG.

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

- No Progress Meeting was held in February due to limited activity. Both Contractors are waiting on the delivery of materials and equipment.
- The review of submittals is ongoing.

Contract 21-03 and Contract 21-04 have both submitted a no cost, time extension change order request. Additional details have been requested since the requests did not clearly identify the amount of time. The requests specifically reference labor and material shortages.

Fiber Optic Conduit – (R001178.0687)

- Fiber optic conduit drawings were prepared for the second alignment (Trout Road to Hartman Farm Lane to Short Lane, near SR 0026) in June 2021. These drawings were reviewed by the Authority’s staff. HRG can proceed with the preparation of the permit applications when authorized by the UAJA.

Entry Road Storm Water Improvements – (R001178.0688)

- The project will require the relocation of the utility poles. This cannot be coordinated until an easement is acquired. The Authority’s solicitor is working with the property owner to acquire the easement.

Entry Road Project Implementation Schedule

Milestone	Date
Acquire Right-of-Way/Permission to Relocation Utility Poles	February, 2022
Utility Pole Relocation	June, 2022
Bidding and Project Construction	TBD*

*Sequence bidding and project construction with other site construction activities to minimize interference and damage.

Whitehall Road Low Pressure Sanitary Sewer – (R001178.0692)

- Record Drawings are being prepared based on field data provided by the Authority. Drawings will be submitted in February.

Princeton Drive Sanitary Sewer Replacement – (R001178.0699)

- A revised plan and profile have been generated based on a field meeting with Ferguson Township. The alignment is outside of the existing swale and incorporates a bend to endeavor to avoid certain tree impacts. Ferguson Township is reviewing the drawing.
- The stream crossing permit is being prepared.

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

- HRG is available to present the rate study or assist in any discussions going forward.

Developer Plan Reviews

- The Village at Penn State – Phase 16 (R001178.0709): Review comments on the Sanitary Sewer Design Plans were provided to the Developer’s Engineer on February 14, 2022.

6.7 Construction Report

WWTP NPDES Permit – Phosphorus Study (094612027)

- Continuous in-stream monitoring of Spring Creek has wrapped up for the 2021 season and will resume in early 2022. This monitoring is being conducted to determine the level of any impairment during the growing period, prior to undertaking an intensive study during the critical high-temp, low- flow period. We plan to provide an update to the Board at an upcoming meeting to summarize data collected thus far and initial findings.

Phosphorus Study Project Schedule

Milestone	Date
Re-install Stream Monitoring Instruments	March 2022
Complete Stream Monitoring	June/July 2022
Compile All Data	July 2022
Conduct High Temperature/Low Flow Monitoring if needed	August/September 2022

Ozone Disinfection for Effluent (094612023)

- Job Conference No. 01 will be held February 23rd. Meeting minutes to follow via separate cover.

Ozone Disinfection for Effluent Project Schedule

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

Anaerobic Digestion Project (094612026)

- The Act 537 Special Study for Biosolids has been approved by the PA DEP and the Water Quality Management Part II Permit is under review by the PA DEP.
- RETTEW is underway with final design of the proposed improvements to biosolids handling and treatment and anticipates a bid release in March 2022.
- RETTEW has submitted the Request for Determination for Air Permitting to the PA DEP and is awaiting comments.
- The Bellefonte Borough Authority has committed to providing biosolids for drying and disposal at the Authority in accordance with the draft Biosolids Term Sheet. This is in addition to the agreement with the Borough of Tyrone and concludes the current regionalization efforts for Biosolids Handling. The Authority can consider additional communities at any time, but our outreach efforts have been successful with over 95% of the targeted biosolids having accepted an arrangement with the Authority.
- With permitting lingering longer yet with the PA DEP, RETTEW expects some slippage of the current schedule and will be meeting with the Authority this week to consider options and timing.

Anaerobic Digestion Project Schedule

Milestone	Date
Complete Bidding Documents/Advertise for Bids	March 28, 2022
Award Construction Contracts	May 18, 2022
Begin Construction	June 2022
Complete Construction	December 2024

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.

6.8 Executive Director’s Report

None

7. Other Business

None.

8. Executive Session

A motion was made by Mr. Nucciarone and second by Mr. Kunkle to break for an executive session at 4:52 p.m. The motion passed unanimously.

9. Adjournment

The meeting came out of executive session at 5:13 p.m. A motion was made by Mr. Derr and second by Ms. Strickland to adjourn. The motion passed unanimously.

Respectfully submitted,
UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary