

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

Regular Meeting – March 16, 2022

1. Call to Order

Mr. Lapinski, Chair, called the regular meeting to order at 4:01 p.m., Wednesday, March 16, 2022. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Daubert, 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: Messrs. Auman, Derr and Nucciarone; Corey Rilk, Centre Region Planning; and Sam Robbins, State College Borough.

2. Reading of the Minutes

UAJA Regular Meeting – February 23, 2022

**UAJA Meeting
Minutes Approved**

A motion was made by Mr. Dempsey, second by Mr. Guss, to approve the minutes of the UAJA meeting held on February 23, 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 Request for Delay of EDU Based Billing

This agenda item is a placeholder in case there is any late breaking information from the State College Borough that the Board may wish to consider and possibly act upon. The bill for the first quarter of 2022 reflecting UAJA's estimate of the number of EDUs in the Borough will not be mailed until early April. After the February Board meeting, a letter was sent to the Borough requesting they provide a list of questions for UAJA to consider before meeting with the Borough. (See page 46). As of the agenda mailing, no list of questions has been provided. No action on this item is required at this time.

Recommendation: Discuss if desired, provide guidance to staff.

***Mr. Lapinski mentioned the board received the letter with the list of questions from the borough and this will be discussed in executive session after the regular meeting.**

5. New Business

5.1 Final Design: The Village at Penn State, Phase 16

Final design drawings for The Village at Penn State, Phase 16 sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 18 EDUs of single-family homes. The review comments have been addressed.

Recommendation: Approve the drawings as submitted.

**Drawings
Approved for The
Village at Penn
State, Phase 16**

A motion was made by Mr. Derr, second by Mr. Dempsey to approve the final design drawings as submitted for The Village at Penn State, Phase 16. The motion passed unanimously.

5.2 Final Design: Stocker Autobody

Final design drawings for the Stocker Autobody sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 14.5 EDUs (27 bays). The review comments have been addressed.

Recommendation: Approve the drawings as submitted.

**Drawings
Approved for
Stocker Autobody**

A motion was made by Mr. Nucciarone, second by Mr. Guss to approve the final design drawings as submitted for Stocker Autobody. The motion passed unanimously.

5.3 U.S. Bank Resignation/Successor Resolution

U.S. Bank National Association is now recognized as U.S. Bank Trust Company, National Association. Due to this name change, the board needs to accept the resignation of U.S. Bank National Association and appoint U.S. Bank Trust Company, National Association as the successor Trustee. Nothing will change with UAJA's contacts or current service provided by U.S. Bank.

Recommendation: Approve the resignation of U.S. Bank National Association and appoint U.S. Bank Trust Company, National Association as the successor Trustee.

**Resignation
approval and
appointment
approval for the
successor trustee
Approved.**

A motion was made by Mr. Nucciarone, second by Mr. Kunkle to approve the resignation of U.S. Bank National Association and appoint U.S. Bank Trust Company, National Association as the successor Trustee. The motion passed unanimously.

5.4 Requisitions

BRIF #670	HRG Scott Road Pump Station Project	\$882.50
BRIF #671	HRG Princeton Dr. Sewer Replacement	\$5,800.00
BRIF #672	HRG Whitehall Road Project	\$1,440.00

BRIF #673	RETTEW Phosphorus Study	\$1,407.50
BRIF #674	Xylem Water Solutions Scott Road Pump Station Project	\$256,447.88
BRIF #675	Glenn O. Hawbaker Scott Road Pump Station Project	\$470.40
BRIF #676	Morefield Communications Cisco Cloud Subscription	\$3,864.00
BRIF #677	L/B Water North Oak Ln. & Princeton Dr. Projects	\$22,234.90
BRIF #678	Westmoreland Electric Services Pay App. #2 (Scott Road Project)	\$5,850.00
TOTAL BRIF		\$298,397.18

**BRIF
Approved**

A motion was made by Mr. Nucciarone, second by Mr. Guss to approve BRIF #670, #671, #672, #673, #674, #675, #676, #677 and #678 in the amount of \$298,397.18. The motion passed unanimously.

Construction Fund #033	Rettew Ozone Disinfection Project	\$2,481.00
Construction Fund #034	Rettew Biosolids Upgrade Project	\$73,753.16
TOTAL 2020 A CONSTRUCTION FUND		\$76,234.16

**Construction Fund
Approved**

A motion was made by Mr. Derr, second by Mr. Guss to approve Construction Fund #033 and #034 in the amount of \$76,234.16. The motion passed unanimously.

Revenue Fund #185	Debt Service, Operation and Maintenance Expenses	\$1,000,000
TOTAL REVENUE FUND		\$1,000,000

**Revenue Fund
Approved**

A motion was made by Mr. Daubert, second by Mr. Nucciarone to approve Revenue Fund #185 in the amount of \$1,000,000. The motion passed unanimously.

Reports of Officers

6.1 SCBWA Liaison
 None.

6.2 Financial Report

The different cost centers of the YTD budget report for the period ending February 28, 2022, were reviewed with the Board by Jason Brown.

Mr. Brown mentioned we got the invoice for the oil spill, which was slightly over \$28,000. Mr. Lapinski asked if there was a follow-up on the spill. Mr. Miller said it has been turned over to the attorney generals office and UAJA is awaiting news from them.

Mr. Brown mentioned Maher Duessel, the auditors, have been in the office conducting the 2021 audit, which also includes a few months of off-site work with them. At the April UAJA Board meeting, an audit sub-committee will be appointed with anticipation of submitting it for approval for the May UAJA Board meeting.

Mr. Brown also mentioned that he is completing the Chapter 94 report and will let the board know when that is completed.

6.3 Chairman’s Report

Mr. Dempsey gave an update on the Rate Study Committee. The committee is making progress and will meet again the second Tuesday of April. As soon as an agreement is made a report will be provided to the board. Mr. Guss mentioned Mr. Dempsey has done very well with leading this committee.

6.4 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>Sep. 2021</u>	<u>Oct. 2021</u>	<u>Nov. 2021</u>	<u>Dec. 2021</u>	<u>Jan. 2022</u>	<u>Feb. 2022</u>
Production	890 cu/yds.	990 cu/yds.	701 cu/yds.	700 cu/yds.	839 cu/yds.	768 cu/yds.
YTD. Production	7,652 cu/yds.	8,506 cu/yds.	9,207 cu/yds.	9,907 cu/yds.	839 cu/yds.	1,607 cu/yds.
Distribution	911 cu/yds.	803 cu/yds.	1,015 cu/yds.	974 cu/yds.	535 cu/yds.	769 cu/yds.
YTD. Distribution	8,257 cu/yds.	9,060 cu/yds.	10,075 cu/yds.	11,049cu/yds.	535 cu/yds.	1,304 cu/yds.
Immediate Sale	958 cu/yds.	937 cu/yds.	963 cu/yds.	701 cu/yds.	866 cu/yds.	936 cu/yds.
Currently in Storage	1,927 cu/yds.	1,978 cu/yds.	1,664 cu/yds.	1,401 cu/yds.	1,705 cu/yds.	1,704 cu/yds.

SEPTAGE OPERATIONS

	<u>Sep. 2021</u>	<u>Oct. 2021</u>	<u>Nov. 2021</u>	<u>Dec. 2021</u>	<u>Jan. 2022</u>	<u>Feb. 2022</u>
Res./Comm.	89,675 gals.	62,100 gals.	56,850 gals.	54,200 gals.	41,550 gals.	47,200 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	1,084.20 lbs./solids	1,100.88 lbs./solids	1,017.48 lbs./solids	1,334.40 lbs./solids	1,284.36 lbs./solids	1,317.72 lbs./solids
Huston Twp.	583.80 lbs./solids	517.08 lbs./solids	533.76 lbs./solids	433.68 lbs./solids	450.36 lbs./solids	300.24 lbs./solids
Total Flow	111,675 gals.	84,100 gals.	76,850 gals.	82,000 gals.	64,550 gals.	69,200 gals.

Plant Operation

Mr. Brant added to his report that at the beginning of the month, Toni Flohr with Evoqua/Memcor, was in to help audit the microfilters. She was able to help solve some of the issues that UAJA was not able to figure out with them. They found that on two of the three new microfilters, two had bad membranes, in which one of the microfilters was missing an O-ring on the isolation valves.

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for February was 3.99mgd with the average for the month being 5.81mgd. The average monthly **inflow** flow was 6.63mgd.

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:

	Feb. 2022	YTD	Plant Effl. Temp.	Wetland Effl. Temp.
Best Western	30,000	54,000		
Centre Hills	0	0	Feb. -22	Feb. -22
Cintas	510,000	1,000,000	52.8	51.3
Red Line	557,000	1,058,000		
UAJA Wetland	345,000	477,000		
GDK Vault	18,411,000	31,349,000		
Elks	0	0		
Kissingers	2,132,000	4,211,000		
Stewarts/M.C.	3,000	5,000		
TOTAL	21,988,000	38,154,000		

Plant Maintenance

- Replaced a hydraulic hose on the Trommel.
- Replaced motor and pulley on MAU 1306.
- Repaired chain drives on Composters #1, #2 and #3.
- Replaced tines on Composters #1 and #2.
- Serviced Feed Pumps for the AWT Building.
- Utilized Jet truck to unplug scum line from Primary.
- Installed plugs in the trough holes on Primary tanks #2, #3 and #4.
- Replaced or replaced several valve actuators on the MF's.
- Serviced Landia Mixers around the facility.
- Serviced Air Compressor #2 at AWT.
- Had a couple days of snow removal.

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 – Installed 80 ft of 10” force main to complete the piping on this project. Installed new laterals at 707 Kennard Rd, 194 and 264 Sycamore Drive. Gathered GPS manhole and lateral points for missing GIS mapping.

Mainline cleaning – 6,050 ft of mainline cleaned – 33 manholes inspected.
Mainline televised – 6,886 ft televised – 45 manholes inspected.
Equipment maintenance.

Lift Station Maintenance:

Replaced block heater at Graysdale 2B station. station.
Generator and transfer switches were checked at all stations.
Maintenance on commutators and floats were completed at all stations.
Wet well cleaning – (15).
Routine Maintenance.

Next Month Projects:

Restoration on the Scott Road upgrade project.
Mainline flushing and televising for Township paving projects.
Wet well cleaning.
Lateral repair at 105 W. Main Street in Boalsburg.

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 – Awaiting As-Builts.

New Connections:

a. Single-Family Residential	8	c. Commercial	0
b. Multi-Family Residential	1	d. Non-Residential	0
TOTAL			9

PA One-Calls Responded to 2/1-28/22: 215

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)

- Chapter 94 Consistency Data was provided for the Nittany Casino Component 3 Sewage Facilities Planning Module.
- HRG is assisting with completion of the Chapter 94 Report.

Odor Control System Upgrades (R001178.0597)

- The Air Quality Operating Permit Application is being prepared.
- A list of industrial facilities discharging to the UAJA system is needed to complete the application.

Proposed Air Quality Emissions Inventory and Operation Permit Schedule

Milestone	Date
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)

- An additional alternative is being developed for the alternate pump station location (Blueberry Crossing). The original pump station site no longer appears to be practical. This requires updates to the natural diversity survey and the historical review.
- Site survey along the Glantz property is limited to the Township right-of-way along Meeks Lane due to access permission.

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	November 2022
Complete Design/BIDDING	November 2022
Begin Construction	December 2022
Project Completion (12 Months of Construction)**,**	December 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.

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

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)

- Progress Meeting No. 4 was held on March 2nd and meeting minutes were distributed to attendees.
- The General Contractor (Nastase Construction) has returned to the site and commenced excavation for the wet well.
- Work is being completed by PennDOT immediate adjacent to the site. HRG has been coordinating with PennDOT to determine the extend of interference, if any.
- Contract 21-04 submitted Application for Payment No. 2 in the amount of \$5,850.00. The request is for stored materials. The Contractor has provided the required supporting documentation. Therefore, based on the contract requirements, 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	\$113,000.00	\$363,703.00
2021-04	2	\$5,850.00	\$244,500.00	\$31,702.50	\$215,967.75

- Contract 21-03 and Contract 21-04 have both submitted no cost, time extension change order requests. 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	April, 2022
Utility Pole Relocation	July, 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 have been prepared and submitted.

Princeton Drive Sanitary Sewer Replacement – (R001178.0699)

- The stream crossing permit has been 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): Design comments were recommended for approval on February 22, 2022.
- Meyer Dairy (Re-Design) (R001178.0704): Design drawing were recommended for approval on March 4, 2022.
- Stocker Auto Body Shop (R001178.0710): The design drawings have been reviewed and are recommended for approval upon final submission of signed drawings to the Collection System Superintendent.

6.7 Construction Report

WWTP NPDES Permit – Phosphorus Study (094612027)

- Continuous in-stream monitoring of Spring Creek will resume over the next few weeks. 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 was held, and meeting minutes were provided via separate cover.
- Submittals for major components have been received, reviewed, and returned.
- General Contractor anticipates site work to begin end of March/beginning of April.

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 May 2022.
- PA DEP has responded to the Request for Determination for Air Permitting to the PA DEP and has indicated that the project will not be exempt from Plan Approval. We will prepare and submit the appropriate forms to obtain this approval.
- With permitting lingering longer yet with the PA DEP, RETTEW has updated the anticipated project schedule.
- The next Operators’ Workshop to review the project will be held the week of March 28th.

Anaerobic Digestion Project Schedule

Milestone	Date
Complete Bidding Documents/Advertise for Bids	May 13, 2022
Award Construction Contracts	July 20, 2022
Begin Construction	August 2022
Complete Construction	February 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.

6.8 Executive Director’s Report

The refinancing of the 2017 Bond was completed and closed on Monday, March 14, 2022.

7. Other Business

None.

Executive Session

A motion was made by Mr. Nucciarone and second by Mr. Daubert to break for an executive session at 4:34 p.m. The motion passed unanimously.

9. Adjournment

The meeting came out of executive session at 5:02 p.m. A motion was made by Mr. Nucciarone and second by Mr. Dempsey to adjourn. The motion passed unanimously.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary