

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

Regular Meeting – December 15, 2021

1. Call to Order

Mr. Dempsey, Vice-Chair, called the regular meeting to order at 4:01 p.m., Wednesday, December 15, 2021. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Derr and Guss; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Jennifer Grove, Administrative Assistant; 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, Kunkle, Miller and Nucciarone; David Gaines, Solicitor; Karli Keisling, PFM; Scott Shearer, PFM; Corey Rilk, Centre Region Planning; Sam Robbins, State College Borough.

2. Reading of the Minutes

UAJA Regular Meeting – November 17, 2021



A motion was made by Mr. Derr, second by Mr. Guss, to approve the minutes of the UAJA meeting held on November 17, 2021. The motion passed unanimously.

3. Public Comment

3.1 Other items not on the agenda

None.

4. Old Business

4.1 Potential Refinance Opportunity Series 2017 Bonds and Future Financing Needs

Based on current market conditions, there is an opportunity to refinance the Series 2017 Bonds. A presentation will be made by Public Financial Management (PFM). A copy of the presentation is included in the agenda report. PFM will also discuss the future financing requirements to complete the Biosolids Project.

Recommendation: Presentation, no action required.

4.2 Contract 2020-11 High Voltage Switchgear Change Order No. 2

This change order incorporates additional paving from other small projects around the plant that required the cutting of pavement. To obtain better pricing, all of the paving was transferred to this contract and removed from others. The change order also includes the addition of a small retaining wall to protect the new switchgear. The need for the wall resulted from changes in grade required to work around existing infrastructure that was not in the location shown on the old plant drawings. The amount is an increase of \$12,638.81 to the contract.

Recommendation: Approve Change Order No. 2 Contract 2020-11 High Voltage Switchgear Project in the amount of \$12,638.81.

Change Order No. 2, Contract 2020-11 High Voltage Switchgear Project Approved

A motion was made by Mr. Guss, second by Mr. Derr, to approve Change Order No. 2 Contract 2020-11 High Voltage Switchgear Project in the amount of \$12,638.81. The motion passed unanimously.

4.3 Contract 2017-06 Change Order #6

This change order is discussed in the RETTEW monthly report. It results in a deduction of \$83,500.94 for acceptance of defective work (The Primary Clarifier Troughs). This will allow the project to be closed.

Recommendation: Approve Contract 2017-06 Change Order # 6 in the amount of -\$83,500.94.

Change Order #6, Contract 2017-06 Approved

A motion was made by Mr. Derr, second by Mr. Kunkle, to Approve Contract 2017-06 Change Order #6 in the amount of -\$83,500.94. The motion passed unanimously.

4.4 2022 Meeting Dates

Proposed Board Meeting Dates for 2022. Meetings are the third Wednesday, with the exception of February. Meeting time is 4PM.

- January 19, 2022
- February 23, 2022 *Note meeting moved to fourth Wednesday
- March 16, 2022
- April 20, 2022
- May 18, 2022
- June 15, 2022
- July 20, 2022
- August 17, 2022
- September 21, 2022
- October 19, 2022
- November 16, 2022
- December 21, 2022

Recommendation: Adopt the meeting dates for 2022.

2022 Meeting Dates Approved

A motion was made by Mr. Nucciarone, second by Mr. Derr, to approve the 2022 Meeting Dates. The motion passed unanimously.

5. New Business

5.1 Requisitions

BRIF- EL #001

HRG
Shiloh Road Project

\$1,125.00

BRIF-EL #002	HRG Scott Road Pump Station Project	\$2,348.34
BRIF-EL #003	HRG Greenbriar Record Drawings	\$2,880.00
BRIF-EL #004	HRG Fiber Optic Conduits	\$1,080.00
BRIF-EL #005	HRG Entry Road Project	\$1,742.93
BRIF-EL #006	HRG Treatment Plant Emissions Study	\$883.00
BRIF-EL #007	HRG Harris Reuse Record Drawings	\$8,700.00
BRIF-EL #008	Rettew Switchgear Project	\$3,564.74
BRIF-EL #009	Rettew Phosphorus Study	\$11,108.68
BRIF-EL #010	Rettew Solar Battery Operations	\$3,021.05
BRIF-EL #011	Rettew AWT Control Panel Upgrade	\$1,772.57
BRIF-EL #012	Morefield Communications Plant Network Upgrade	\$60,471.44
BRIF-EL #013	CDW Government, Inc. Server Upgrades	\$90,404.00
BRIF-EL #014	Glenn O. Hawbaker Whitehall Road Project	\$2,408.11
BRIF-EL #015	Best Line Equipment Scott Road Project	\$2,895.00
BRIF-EL #016	Westmoreland Electric Services Pay App. #1- Scott Road Project	\$22,682.25
BRIF-EL #017	Ducken Tree Farm, LLC Whitehall Road Project	\$13.70
TOTAL BRIF- Emmaus Loan		\$217,100.81

**BRIF-EL
Approved**

A motion was made by Mr. Derr, second by Mr. Daubert to approve BRIF-EL #001, #002, #003, #004, #005, #006, #007, #008, #009, #010, #011, #012, #013, #014, #015, #016 and #017 in the amount of \$217,100.81. The motion passed unanimously.

BRIF #640	Ducken Tree Farm, LLC. Whitehall Road Project	\$1,141.30
BRIF #641	Mid-State Paving Scott Road Project	\$12,375.98
BRIF #642	L/B Water Scott Road & Whitehall Road	\$1,612.30
BRIF #643	Siteone Landscape Scott Road & Whitehall Road	\$1,120.55
BRIF #644	Thoroughbred Construction Pay App. #7- Switchgear Project	\$30,552.81
BRIF #645	John Nastase Construction Pay App. #1- Scott Road Project	\$101,700.00
BRIF #646	Skelly and Loy Toad Survey	\$2,536.00
BRIF #647	Thoroughbred Construction Pay App. #8- Switchgear Project	\$5,850.00
TOTAL BRIF-		\$156,888.94

**BRIF
Approved**

A motion was made by Mr. Guss, second by Mr. Derr to approve BRIF #640, #641, #642, #643, #644, #645, #646 and #647 in the amount of \$156,888.94. The motion passed unanimously.

Construction Fund #026	Rettew Aeration Line Project	\$840.00
Construction Fund #027	Rettew Ozone Disinfection Project	\$4,032.16
Construction Fund #028	G.M. McCrossin, Inc. Pay App. #4- Aeration Line Project	\$26,953.70
TOTAL 2020 A CONSTRUCTION FUND		\$31,825.86



A motion was made by Mr. Derr, second by Mr. Nucciarone to approve Construction Fund #026, #027 and #028 in the amount of \$31,825.86. The motion passed unanimously.

6. 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 November 30, 2021, were reviewed with the Board by Jason Brown.

6.3 Chairman’s Report

Mr. Dempsey gave an update on the Rate Study Committee. At the committee meeting, the members discussed the motivations or issues they wanted to consider for the rate and financial stability of the UAJA. They also discussed social equity.

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>June 2021</u>	<u>July 2021</u>	<u>Aug. 2021</u>	<u>Sep. 2021</u>	<u>Oct. 2021</u>	<u>Nov. 2021</u>
Production	878 cu/yds.	913 cu/yds.	866 cu/yds.	890 cu/yds.	990 cu/yds.	701 cu/yds.
YTD. Production	4,859 cu/yds.	5,772 cu/yds.	6,662 cu/yds.	7,652 cu/yds.	8,506 cu/yds.	9,207 cu/yds.
Distribution	1,442 cu/yds.	731 cu/yds.	969 cu/yds.	911 cu/yds.	803 cu/yds.	1,015cu/yds.
YTD. Distribution	5,646 cu/yds.	6,377 cu/yds.	7,346 cu/yds.	8,257 cu/yds.	9,060 cu/yds.	10,075cu/yds.
Immediate Sale	867 cu/yds.	1,014 cu/yds.	3,850 cu/yds.	958 cu/yds.	937 cu/yds.	963 cu/yds.
Currently in Storage	1,745 cu/yds.	1,927 cu/yds.	1,848 cu/yds.	1,927 cu/yds.	1,978 cu/yds.	1,664 cu/yds.

SEPTAGE OPERATIONS

	<u>June 2021</u>	<u>July 2021</u>	<u>Aug. 2021</u>	<u>Sep. 2021</u>	<u>Oct. 2021</u>	<u>Nov. 2021</u>
Res./Comm.	68,700 gals.	40,000 gals.	68,150 gals.	89,675 gals.	62,100 gals.	56,850 gals.
CH/Potter	1,517.88 lbs./solids	0.00 lbs./solids	0.00 lbs./solids	0.00 lbs./solids	0.00 lbs./solids	0.00 lbs./solids
Port Matilda	1,200.96 lbs./solids	1,951.56 lbs./solids	1,234.32 lbs./solids	1,084.20 lbs./solids	1,100.88 lbs./solids	1,017.48 lbs./solids
Huston Twp.	500.40 lbs./solids	467.04 lbs./solids	650.52 lbs./solids	583.80 lbs./solids	517.08 lbs./solids	533.76 lbs./solids
Total Flow	105,500 gals.	66,000 gals.	90,150 gals.	111,675 gals.	84,100 gals.	76,850 gals.

Plant Operation

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for November was 3.64mgd with the average for the month being 3.51mgd. The average monthly **influent** flow was 5.74mgd.

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:

	Nov. 2021	YTD	Plant Effl. Temp.	Wetland Effl. Temp.
Best Western	33,000	309,000		
Centre Hills	1,534,000	30,892,000	Nov. -21	Nov. -21
Cintas	507,000	5,395,000	62.5	61.3
Red Line	344,000	4,979,000		
UAJA Wetland	5,679,000	53,849,000		
GDK Vault	34,658,000	338,613,000		
Elks	0	6,911,000		
Kissingers	1,191,000	20,074,000		
Stewarts/M.C.	1,000	44,310		
TOTAL	43,947,000	461,066,310		

Plant Maintenance

- Replaced heat pump for file room.
- Replaced belts and pulleys on the AWT exhaust fans.
- Rebuilt AWT CL2 Pump #1, replaced CL2 Pump #2 and replaced pressure relief valve.
- Air-Tech replaced the variable speed drives on both Primary Air Compressors.
- Replaced motor bearings in MAU-1306 and the burner control in MAU-1304.
- Replaced diaphragms in Primary Pumps #2 and #10.
- Replaced TOC transfer pump.
- Replaced the Alum pumps and connected the controls to have the ability to flow pace.
- Replaced a hydraulic hose on Composter #2 and one on the Street Sweeper.
- Replaced the battery in the T-Tag.
- The HVAC unit at Septage has failed and will be replaced as it becomes available.

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 1082 ft of 10” force main.
Whitehall Road low pressure system – Installed 942 ft of force main. This project is now complete.
Main Line Televising – 438 ft televised - 3 manholes inspected.

Lift Station Maintenance:

Cleaned (2) lift station wet wells.
Replaced (3) E-One pumps in Huntridge Development.
Replaced UPS at the Ghaner station.
Replaced starter capacitor at St. Ives station.
Routine Maintenance.

Next Month Projects:

- Continue Scott Road upgrade project.
- Mainline flushing and televising.
- Wet well cleaning.
- Equipment maintenance.

Inspection: Final As-Builts Approved: None

Mainline Construction:

- a. Aspen Heights Squirrel Drive - Started construction.
- b. Grays Pointe ph. 6 Sec D.2 – Started construction.

New Connections:

a. Single-Family Residential	2	c. Commercial	1
b. Multi-Family Residential	0	d. Non-Residential	0
TOTAL			3

PA One-Calls Responded to 11/1-30/21: 236

6.6 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)

- An inventory of air emission sources for the entire facility has been compiled as required by DEP. Estimated emissions have calculated and will be submitted to the PA DEP.

Proposed Air Quality Emissions Inventory and Operation Permit Schedule

Milestone	Date
Submit Emissions Inventory to the PA DEP	December 2021
PA DEP Determination of Application Requirements	January 2022
Request Plan Approval Time Extension	January 2022
Complete and Submit Permit Application	February 2022
PA DEP Issues Permit (Includes 30 Day Public Comment Period)	June 2022

Based on DEP’s input and timeline for review.

Shiloh Road Pump Station Upgrades (R001178.0632)

- Record Drawings were finalized and submitted.

Extension of Beneficial Reuse Water to Harris Township (R001178.0637)

- Record Drawings were finalized and submitted.

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

- The special study was discussed at the December 2nd Public Services and Environmental/ Transportation and Land Use Joint Committee meeting. The Committee recommended that the study be referred back to the UAJA to revise the study so that it does not include consideration of any equivalent dwelling units from Halfmoon Township. An additional alternative is being incorporated into the study that does not consider future capacity beyond build-out within the current sewer service area.

- A field visit was conducted on November 17th to review the project area with the Pennsylvania Fish and Boat Commission (PFBC), pursuant to Spadefoot Toad habitat. The PFBC issued conservation measures restricting work periods (construction to occur between November 1 through March 31) and/or requiring a qualified herpetologist to clear the work area in advance of construction.

Proposed Meeks Lane Pump Station Project Implementation Schedule

Milestone	Date
Submit Special Study to Municipalities/Planning Commissions (60-day Review)	November 2021
Public Comment Period (30 Days)	November 8 th - December 8 th
Presentation of Study at Municipal Meetings	December 2021
Start Design	December 2021
Receive Municipal/Planning Comments, Conclude Public Comment Period	February 2022
Adoption by Municipalities and CRCOG (General Forum Presentation)	March 2022
Submission of Special Study to PA DEP (120-day Review)	March 2022
DEP Approval of Special Study/WQM/NPDES	July 2022
Complete Design/BIDDING	July 2022
Begin Construction	July 2022
Project Completion (12 Months of Construction)**	July 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)

- Progress Meeting No. 2 was held on December 1, 2021. Meeting minutes are being distributed.
- The review of submittals is ongoing.
- At the progress meeting, both Contractors stated concerns regarding delivery times for materials and equipment. The General Contractor is nearly complete with the force main portion of the work.
- HRG is providing construction stake-out of the force main as requested by the UAJA Construction Crew.
- Contract 21-03 (John Nastase Construction) has submitted Application for Payment No. 1 in the amount of \$101,700.00. Payment is recommended based on the work complete and the contract requirements.
- Contract 21-04 (Westmoreland Electric Services, LLC) has submitted Application for Payment No. 1 in the amount of \$22,682.25. Payment is recommended based on the work complete and the contract requirements.
- Contract 21-04 submitted a no cost, time extension change order request. Additional details have been requested since the request did not clearly identify the amount of time requested. The request specifically references the global shortage on electrical components for the emergency generator.

Scott Road Pump Station Project Milestone Dates

Milestone	Date
Notice-to-Proceed	September 27, 2021
Substantial Completion	January 25, 2022
Final Completion	February 24, 2022

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.
- Record Drawings were finalized and submitted.

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	December 2021
Utility Pole Relocation	April 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 will be prepared when field data is provided by the Authority.

Princeton Drive Sanitary Sewer Replacement – (R001178.0699)

- A field meeting was conducted on December 2nd to review the proposed alignment and assess tree impacts. It was requested by Ferguson Township that an additional manhole be added to move the alignment further away from some critical trees. A new plan and profile is being developed.

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

- There are no Developer plans under review.

6.7 Construction Report

ENR/AWT Upgrade Project (094612009)

- After negotiations, the Authority and HRI, Inc. have agreed to accept the Primary Clarifier Troughs as Defective Work and a credit of \$83,500.94 to reimburse the Authority for accepting Defective Work that did not comply with the requirements of the Contract Documents. Correspondence related to this modification is attached to the report. As such, RETTEW has prepared Change Order No. 06-Final to credit the Authority and provide additional days to HRI to complete the closeout of the Project. RETTEW recommends execution of Change Order No. 06 in the deductive amount of \$83,500.94 and addition of 819 days to the Final Completion Deadline. We also recommend processing of Payment Application No. 17 (Final) in the amount of \$0.00 to complete the closeout of the ENR/AWT Upgrade Project.

Aeration Line Improvements (094612035)

- G.M. McCrossin (2020-08) has submitted Application for Payment No. 04-Final in the amount of \$26,953.70 for release of retainage. We are recommending payment to complete the closeout of this contract.

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
2020-08	4-Final	\$26,953.70	\$539,073.95	\$539,073.95	100.00 %	\$0.00
2020-09			\$108,302.06	\$108,302.06	100.00 %	\$0.00
		\$26,953.70	\$647,376.01	\$647,376.01	100.00 %	\$0.00

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.

Ozone Disinfection for Effluent (094612023)

- Executed Contract Documents have been received for all three Contracts as follows:
 - Contract No. 2021-05: General Construction PSI Pumping Solutions \$5,448,000.00
 - Contract No. 2021-06: Electrical Construction PSI Pumping Solutions \$350,000.00
 - Contract No. 2021-07: Mechanical Construction McClure Company \$223,000.00
- We anticipate notice to proceed will be issued within the next three weeks.

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 has been resubmitted.
- RETTEW is underway with final design of the proposed improvements to biosolids handling and treatment and anticipates a bid release in February 2022.

High Voltage Switchgear Replacement (094612045)

- Change Order No. 2-Final has been prepared to add additional pavement restoration around the plant site to this Contract as well as a small retaining wall below the new switchgear to accommodate a change in grade required for the new gear. RETTEW recommends an increase of \$12,638.81 in the total contract amount.
- Thoroughbred has submitted Application for Payment No. 07 and we are recommending payment in the amount of \$30,552.81. The remaining punchlist items, which consist of Record Drawings and Operation and Maintenance Manuals, should be complete prior to the end of the year.

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
2020-11	7	\$30,552.81	\$1,134,075.02	\$1,133,325.02	99.93%	\$5,850.00
		\$30,552.81	\$1,134,075.02	\$1,133,325.02	99.93%	\$5,850.00

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

Board Member Resignation

Mr. Steve Miller will be resigning from the University Area Joint Authority Board come January 1, 2022.

7 Other Business

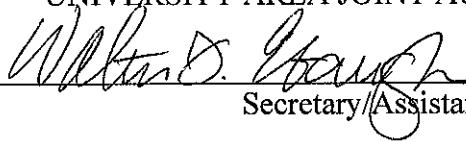
Mr. Nucciarone asked if people are using C-NET to view the meetings as he mentioned he had used it if he missed a meeting and found it to be useful.

8 Adjournment

Mr. Derr moved to adjourn the meeting at 4:52 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary