

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

**Regular Meeting – September 15, 2021**

**Executive Session at 4:00pm.**

**1. Call to Order**

Mr. Lapinski, Chair, called the regular meeting to order at 4:29 p.m., Wednesday, September 15, 2021. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messr. Guss and Kunkle; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Mark Harter, Collection System Superintendent; Jennifer Grove, Administrative Assistant; Michele Aukerman, Rettew; David Gaines, Solicitor; C-NET; Ben Burns, HRG Consulting Engineer; and Jeff Garrigan, HRG Consulting Engineer. The following were in attendance via Zoom: Messrs. Daubert, Derr, Miller and Nucciarone; Jason Wert, Rettew; Kevin Mullen; John Nastase; Eric Brooks, State College Borough; Brian Robbins, State College Borough; and John.

**2. Reading of the Minutes**

UAJA Regular Meeting – August 18, 2021

<b>UAJA Meeting Minutes Approved</b>
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A motion was made by Mr. Derr, second by Mr. Guss, to approve the minutes of the UAJA meeting held on August 18, 2021. The motion passed unanimously.

**3. Public Comment**

**3.1 Other items not on the agenda**

Mr. Mullen spoke to the board about being overbilled for a second EDU over the past five years.

**4. Old Business**

None.

**5. New Business**

**5.1 Final Design: Meyer Dairy**

Final design drawings for the Meyer Dairy sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 7 EDUs. The review comments have been addressed.

**Recommendation:** Approve the drawings as submitted.

<b>Drawings approved as submitted for Meyer Dairy</b>
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A motion was made by Mr. Guss, second by Mr. Derr to approve the drawings as submitted for Meyer Dairy. The motion passed unanimously.

**5.2 1331 Trout Road Property Sale**

The property at 1331 Trout Road has been listed with a realtor and an offer has been made for consideration.

**Recommendation:** Consider approving the sale of the property.

**Sale approved for  
1331 Trout Road**

A motion was made by Mr. Kunkle, second by Mr. Daubert to approve the sale of the UAJA property located at 1331 Trout Road in the amount of \$129,900.00. The motion passed unanimously.

**5.3 GM McCrossin Change Order #1**

Change Order No. 1 for Contract 2020-08 (McCrossin) has been prepared to modify the air piping to accommodate a conflict with an unknown wall lintel behind the existing brick. The amount includes additional materials, welding, and masonry repairs. RETTEW recommends an increase of \$27,977.95 in the total contract amount.

**Recommendation:** Approve Change Order No. 1 in the amount of \$27,977.95.

**Change Order No.1  
for Contract 2020-  
08 Approved**

A motion was made by Mr. Derr, second by Mr. Nucciarone to approve Change Order No. 1 for Contract 2020-08 (McCrossin) in the amount of \$27,977.95. The motion passed unanimously.

**5.4 2022 Budget**

The 2022 budget process is underway. Supervisors have been provided budget worksheets for operating budget areas and staff has met to discuss potential capital budget items. Supervisors are to submit all budget requests by 9/17. A first draft of the budget will be complete by 10/6. We have tentatively scheduled a meeting with the Board budget subcommittee for 10/13. This committee needs to be established. It has typically consisted of the Treasurer, Assistant Treasurer and one other Board representative. Staff intends to compile all input and have a final draft budget in the Board packet by 10/15. Anticipated Board approval would occur at the October Board meeting on 10/20/2020.

**Recommendation:** Appoint subcommittee and establish firm date and time for meeting with staff.

**The following were appointed to the subcommittee: Mr. Guss, Mr. Derr and Mr. Kunkle. Mr. Brown will reach out to the subcommittee members to establish a firm date and time.**

**5.5 Requisitions**

BRIF #591	HRG Whitehall Road Project	\$880.00
BRIF #592	HRG Scott Road Pump Station Project	\$4,685.00
BRIF #593	HRG Odor Control Air Quality Plan	\$825.00
BRIF #594	Rettew Sludge Storage Tank Project	\$410.50

BRIF #595	Rettew AWT Instrumentation/Upgrades	\$8,783.33
BRIF #596	Rettew Switchgear Replacement Project	\$8,857.75
BRIF #597	Rettew Phosphorus Study	\$2,366.25
BRIF #598	Rettew Battery O&M and Solar Project	\$6,779.98
BRIF #599	L/B Water Haymarket Project	\$1,417.50
BRIF #600	L/B Water Whitehall Road Project	\$2,414.15
BRIF #601	L/B Water Scott Road Project	\$213,569.44
BRIF #602	Terre Hill Concrete Products Scott Road Project	\$18,809.02
BRIF #603	Glenn O. Hawbaker Bike Path Paving	\$31,250.00
BRIF #604	Glossner's Concrete Sludge Storage Tank Project	\$494.00
BRIF #605	Thoroughbred Construction Pay App. #4- Switchgear Project	\$421,600.50
BRIF #606	Ligonier Construction Pay App. #5- Harris Reuse Project	\$3,000.00
<b>TOTAL BRIF</b>		<b>\$726,142.42</b>

<p><b>BRIF Approved</b></p>
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A motion was made by Mr. Nucciarone, second by Mr. Derr to approve BRIF #591, #592, #593, #594, #595, #596, #597, #598, #599, #600, #601, #602, #603, #604, #605 and #606 in the amount of \$726,142.42. The motion passed unanimously.

Construction Fund #016	Rettew Aeration Line Project	\$840.00
Construction Fund #017	Rettew Ozone Disinfection Project	\$50,256.65

Construction Fund #018	Rettew Biosolids Upgrade Project	\$54,093.92
Construction Fund #019	G.M. McCrossin Pay App. #3- Aeration Line Project	\$57,845.78
<b>TOTAL 2020 A CONSTRUCTION FUND</b>		<b>\$163,036.35</b>

<b>Construction Fund Approved</b>	A motion was made by Mr. Guss, second by Mr. Miller to approve Construction Fund #016, #017, #018 and #019 in the amount of \$163,036.35. The motion passed unanimously.
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**Revenue Fund #181 was removed from the agenda.**

**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 August 31, 2021, were reviewed with the Board by Jason Brown.

**6.3 Chairman’s Report**

Mr. Lapinski mentioned the rate committee has not met yet and that it will be properly advertised when there is a meeting date set.

**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>Mar. 2021</u>	<u>Apr. 2021</u>	<u>May 2021</u>	<u>June 2021</u>	<u>July 2021</u>	<u>Aug. 2021</u>
<b>Production</b>	897 cu/yds.	848 cu/yds.	847 cu/yds.	878 cu/yds.	913 cu/yds.	890 cu/yds.
<b>YTD. Production</b>	2,286cu/yds.	3,134 cu/yds.	3,981cu/yds.	4,859 cu/yds.	5,772 cu/yds.	6,662 cu/yds.
<b>Distribution</b>	978 cu/yds.	963cu/yds.	2,132cu/yds.	1,442cu/yds.	731cu/yds.	969cu/yds.
<b>YTD. Distribution</b>	1,109 cu/yds.	2,072cu/yds.	4,204cu/yds.	5,646 cu/yds.	6,377 cu/yds.	7,346 cu/yds.
<b>Immediate Sale</b>	2,812 cu/yds.	2,746 cu/yds.	1,462cu/yds.	867cu/yds.	1,014cu/yds.	958cu/yds.
<b>Currently in Storage</b>	3,709 cu/yds.	3,594 cu/yds.	2,309 cu/yds.	1,745 cu/yds.	1,927 cu/yds.	1,848 cu/yds.

SEPTAGE OPERATIONS

	<u>Mar. 2021</u>	<u>Apr. 2021</u>	<u>May 2021</u>	<u>June 2021</u>	<u>July 2021</u>	<u>Aug. 2021</u>
<b>Res./Comm.</b>	71,300 gals.	74,400 gals.	69,800 gals.	68,700 gals.	40,000 gals.	68,150 gals.
<b>CH/Potter</b>	2,777.22 lbs./solids	0.00 lbs./solids	0.00 lbs./solids	1,517.88 lbs./solids	0.00 lbs./solids	0.00 lbs./solids
<b>Port Matilda</b>	1,684.68 lbs./solids	500.40 lbs./solids	1,434.48 lbs./solids	1,200.96 lbs./solids	1,951.56 lbs./solids	1,234.32 lbs./solids
<b>Huston Twp.</b>	533.76 lbs./solids	600.48 lbs./solids	683.88 lbs./solids	500.40 lbs./solids	467.04 lbs./solids	650.52 lbs./solids
<b>Total Flow</b>	113,800 gals.	88,400 gals.	95,800 gals.	105,500 gals.	66,000 gals.	90,150 gals.

**Plant Operation**

The treatment plant is operating well with two exceptions. Due to the switch-over of the Aeration basins we went out of compliance on two parameters. Weekly average for Ammonia (limit of 1.5mg/l with a result of 3.4mg/l) and Monthly Average (limit of 1.0mg/l and a result of 1.8mg/l). The 12-month rolling average flow for August was 3.24mgd with the average for the month being 3.04mgd. The average monthly **influent** flow was 4.92mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	<b>Aug. 2021</b>	<b>YTD</b>	<b>Plant Effl. Temp</b>	<b>Wetland Effl. Temp.</b>
<b>Best Western</b>	<b>39,000</b>	<b>219,000</b>		
<b>Centre Hills</b>	<b>5,945,000</b>	<b>22,321,000</b>	<b>Aug. 2021</b>	<b>Aug. 2021</b>
<b>Cintas</b>	<b>549,000</b>	<b>3,911,000</b>	<b>72.4</b>	<b>73.2</b>
<b>Red Line</b>	<b>310,000</b>	<b>3,976,000</b>		
<b>UAJA Wetland</b>	<b>5,511,000</b>	<b>36,574,000</b>		
<b>GDK Vault</b>	<b>30,926,000</b>	<b>223,887,000</b>		
<b>Elks</b>	<b>1,440,000</b>	<b>3,331,000</b>		
<b>Kissingers</b>	<b>1,825,000</b>	<b>15,520,000</b>		
<b>Stewarts/M.C.</b>	<b>2,710</b>	<b>31,110</b>		
<b>TOTAL</b>	<b>46,547,0710</b>	<b>309,770,110</b>		

**Plant Maintenance**

- Replaced pump seal and backplate on AWT BWS Pump 103A.
- Replaced eccentric spool fitting on MF#3. Old spool was plastic welded locally.
- Air Technologies repaired the airline dryer in AWT compressor #1.
- The emergency generator at College Harris pump station failed on engine overspeed. A check valve was installed in the fuel line and the speed sensor was cleaned and adjusted.
- The Plant switched Aeration Basins to facilitate the new airline system being installed.
- PBCI Allen repaired the heat pump for the SCADA room.
- Replaced the Auma Actuator for Train #1 Zone #1. The old one will be sent back to the factory for repair.
- Replaced burnt out lamps in the Outfall UV. Replacement lamps have not been delivered as there are issues with Customs.

- Both Primary Atlas-Copco Air Compressors have failed. The units should be covered under warranty.
- Repaired the belt scraper on the Transfer Conveyor at Compost.
- Installed the repaired fan for the Odor Control Fan #1.
- Repaired control wiring on Composter #1.

**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 forcemain project – Installed 1,040 ft of 10” forcemain.  
Main Line Televising – 3,783 ft televised - 32 manholes inspected.  
Manhole Repairs – (21).  
Casting repairs – (23)

**Lift Station Maintenance:**

Cleaned (6) lift station wet wells.  
Repaired (1) E-One pump core.  
Replaced capacitor at Haymarket station.  
Routine Maintenance.

**Next Month Projects:**

Cleaning wet wells.  
Continue Scott Road upgrade project.  
Mainline flushing and televising.

**Inspection:** Final As-Builts Approved: None

**Mainline Construction:**

- a. Canterbury Crossing 4&5 phase 1C – Awaiting As-Builts.
- b. Hawk Ridge – Awaiting As-Builts.
- c. Aspen Heights Squirrel Drive - Started construction.

**New Connections:**

a. Single-Family Residential	14	c. Commercial	2
b. Multi-Family Residential	0	d. Non-Residential	0
<b>TOTAL</b>			<b>16</b>

PA One-Calls Responded to 08/1-31/21: 428

**6.6 Engineer’s Report**

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

**Consulting Engineer Services (R001178.0693)**

- HRG is assisting the Collection System Superintendent with the development of budgetary items.
- A quote from W.G. Malden to furnish upgraded meters at the North and South Meter Chambers was obtained and provided to staff for consideration.

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

- Contract No. 17-03: General Construction (Global Heavy Corporation) - Complaint against the UAJA and HRG.
- An inventory of air emissions for the entire facility has been compiled as required by DEP; however, obtaining emissions data from certain manufacturers has been difficult.

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

- Contract 2020-02 (Ligonier) – Ligonier submitted a final application for payment in the amount of \$3,000.00. Based on the work completed and the Contract requirements, payment is recommended.

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

- Revisions to the draft study have been completed to account for alternative alignments and additional scope of sewer.
- Skelly and Loy is conducting an eastern spadefoot toad habitat assessment. The field work will be finished early next week.

**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.

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

- The low bid for the General Construction Contract was presented on the PennBid website under the Electrical Construction Contract. Due to bidding confusion, there have been discussions that the General Construction Contract should be re-bid. This is being reviewed and discussed with the Authority's solicitor.
- The Building Permit was issued.
- An amendment to the NPDES Permit was submitted to account for alignment changes along Bristol Avenue. This application is pending review.
- The re-bid will include an alternate bid item for the crossing of Bristol Avenue and Whitehall Road.

**Fiber Optic Conduit – (R001178.0687)**

- Drawings were prepared for the second fiber optic conduit alignment (Trout Road to Hartman Farm Lane to Short Lane, near SR 0026) and reviewed by staff. HRG can proceed with preparation of the permit applications when authorized by the UAJA.

**Entry Road Storm Water Improvements – (R001178.0688)**

- The project can be prepared for public bidding when the UAJA is ready.

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

- A Component 3M Sewage Facilities Planning Module was adopted at the Ferguson Township meeting on September 7th.

**Princeton Drive Sanitary Sewer Replacement – (R001178.0699)**

- A meeting with the Township was held on September 8th to review the proposed sewer alignment.
- Replacement of the sewer will require separate permitting. A GP-5 permit application will be developed once the Township approves the alignment.

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

- Supporting documentation is being compiled and work is progressing to prepare the study and the update.

**Developer Plan Reviews**

- The Developer’s sanitary system design drawings for the Myers Dairy Connection were returned to the Developer for correction; September 1, 2021 (1178.0704).

**6.7 Construction Report**

**ENR/AWT Upgrade Project (094612009)**

- We continue to work with the Contractor (HRI, Inc.) to resolve the remaining defective work. The Authority is currently retaining \$83,500.94 for these items.

**Aeration Line Improvements (094612035)**

- Both contractors, G.M. McCrossin (2020-08) and HRI (2020-09), have achieved substantial completion and the new aeration piping system is fully operational. Punchlists for final completion have been prepared for both contracts.
- Since completion of the piping, plant staff have been able to operate the aeration tanks primarily with one blower, whereas previously, two blowers were continuously required. Between the aeration blower reduction and lighting modifications, RETTEW estimates that the Authority will save over \$130,000 per year in electrical costs.

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	3	\$57,45.78	\$539,073.95	\$539,073.95	100.00	\$26,953.70
2020-09			\$108,302.06	\$70,102.06	64.73%	\$41,705.10
		\$57,845.78	\$647,376.01	\$609,176.01	94.10	\$38,200.00

- Change Order No. 1 for Contract 2020-08 (McCrossin) has been prepared to modify the air piping to accommodate a conflict with an unknown wall lintel behind the existing brick. The amount includes additional materials, welding, and masonry repairs. RETTEW recommends an increase of \$27,977.95 in the total contract amount.
- G.M. McCrossin (2020-08) has submitted Application for Payment No. 3 and we are recommending payment in the amount of \$57,845.78.

**Solar System – Phase II Project**

- West Penn Power has completed the improvements within their facilities and the second phase of the solar array is now fully operational. A ribbon cutting for the newest phase and the microgrid is tentatively scheduled for October 20<sup>th</sup>, prior to the Board meeting.

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

- Continuous in-stream monitoring of Spring Creek is currently underway for part of the year 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.

**Ozone Disinfection for Effluent (094612023)**

- The Act 537 Special Study has been approved by the Pennsylvania Department of Environmental Protection and issuance of the Water Quality Management Permit by the DEP is pending.
- RETTEW is completing final design activities and is targeting a request for bids in the next few weeks for review and approval of bids at the Board’s November meeting.



**Anaerobic Digestion Project (094612026)**

- The Act 537 Special Study for Biosolids has been approved by the Centre Region municipalities and will be submitted to the PA DEP upon receipt of all signed resolutions.
- The Water Quality Management Part II Permit will be reviewed by the DEP upon DEP’s approval of the Act 537 Special Study.
- RETTEW has begun final design of the proposed improvements to biosolids handling and treatment and anticipates a bid release in January 2022.

**High Voltage Switchgear Replacement (094612045)**

- The new switchgear has arrived and has been set on the new concrete pad. Commissioning of the system is expected later this month.
- All new medium-voltage cabling has been installed within the new ductbanks.
- Thoroughbred has submitted Application for Payment No. 4 and we are recommending payment in the amount of \$421,600.50.

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	4	\$421,600.50	\$1,121,436.21	\$979,649.38	87.36%	\$239,751.77
		\$421,600.50	\$1,121,436.21	\$979,649.38	87.36%	\$239,751.77

**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**

**Tapping Fee**

The tapping fee for 2022 is usually approved at the October board meeting. The new tapping fee will not be in the packet sent out October 15, but as an amended report prior to the meeting as soon as the number is reported.

**7 Other Business**

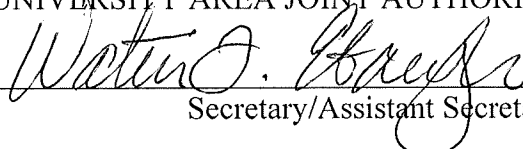
Mr. Kunkle mentioned that the reports that have been provided to the board that includes the cost savings that are being experienced from many of the projects that have been done are a positive addition.

**8 Adjournment**

The meeting was adjourned at 5:07 p.m. via motion by Mr. Nucciarone and second by Mr. Derr.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

  
Secretary/Assistant Secretary