

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

**Regular Meeting – March 17, 2021**

**1. Call to Order**

Mr. Dempsey, Vice-Chairman, called the meeting to order at 4:00 p.m., Wednesday, March 17, 2021. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messr. Guss; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Ben Burns, HRG Consulting Engineer; Jeff Garrigan, HRG Consulting Engineer; David Gaines, Solicitor; and Jennifer Grove, Administrative Assistant. Those in attendance via Zoom were: Messrs. Auman, Daubert, Derr, Kunkle, Miller and Nucciarone; Michele Aukerman and Jason Wert, Rettew; Kevin Mullen; C-NET; and Corey Rilk, COG Planning.

**2. Reading of the Minutes**

UAJA Regular Meeting – February 17, 2021

<b>UAJA Meeting Minutes Approved</b>
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A motion was made by Mr. Guss, seconded by Mr. Derr, to approve the minutes of the UAJA meeting held on February 17, 2021. The motion passed unanimously.

**3. Public Comment**

**3.1 Other items not on the agenda**

Mr. Mullen, a Patton Township homeowner, spoke to the board about being overbilled for a second EDU over the past five or six years. He also asks for his right to know requests to be answered.

**4. Old Business**

**4.1 Scott Road Pump Station and Force Main Project Presentation**

The Scott Road pump station and force main project final design is nearing completion. A representative from HRG will present an overview of the project and the expected project schedule.

**Recommendation:** Presentation, no action required.

**5. New Business**

**5.1 Final Design: Canterbury Crossing Phase 4 & 5, Phase 1C**

Final design drawings for the Canterbury Crossing Phase 4 & 5, Phase 1C sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 36 EDUs. The review comments have been addressed.

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

<b>Drawings approved for Canterbury Crossing Phase 4 &amp; 5, Phase 1C</b>
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A motion was made by Mr. Guss, seconded by Mr. Derr, to approve the drawings as submitted for Canterbury Crossing Phase 4 & 5, Phase 1C in College Township. The motion passed unanimously.

## 5.2 Requisitions

BRIF #514	Rettew Aeration Line Improvement Project	\$1,526.00
BRIF #515	Rettew Sludge Storage Tank Mixer Project	\$1,301.50
BRIF #516	Rettew Ozone Disinfection Project	\$7,643.50
BRIF #517	Rettew Biosolids Upgrade Project	\$39,099.00
BRIF #518	Rettew Phosphorus Study	\$5,034.00
BRIF #519	Rettew AWT Instrumentation	\$11,745.33
BRIF #520	Rettew Switchgear Replacement Project	\$38,487.06
BRIF #521	L/B Water Shiloh Pump Station Upgrade Project	\$35,375.00
BRIF #522	Sunbelt Rentals Trench Box Rental	\$8,348.00
BRIF #523	Thomas Scientific BOD Incubator	\$5,682.43
BRIF #524	Schaedler Yesco Mini Power Center	\$6,225.91
BRIF #525	Site Specific Design Air Release Station	\$4,263.00
BRIF #526	Continental Blower Blower Inspection and Repair	\$8,400.00
BRIF #527	Stitzer Crane Shiloh Pump Station Upgrade	\$6,672.00
BRIF #528	HRI, Inc. Aeration Line Project- Pay App. #1	\$3,604.50
BRIF #529	Hayden Power Group Odor Control Project- Pay App. #13	\$29,648.50

BRIF #530	HRG	\$15,845.00
	Entry Road Project	
<b>TOTAL BRIF</b>		<b>\$228,900.73</b>

<p><b>BRIF Approved</b></p>
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A motion was made by Mr. Nucciarone, seconded by Mr. Derr to approve BRIF #514, #515, #516, #517, #518, #519, #520, #521, #522, #523, #524, #525, #526, #527, #528, #529 and #530 in the amount of \$228,900.73. 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 February 28, 2021 were reviewed with the Board by Jason Brown.

**6.3 Chairman’s Report**  
None.

**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. 2020</u>	<u>Oct. 2020</u>	<u>Nov. 2020</u>	<u>Dec. 2020</u>	<u>Jan. 2021</u>	<u>Feb. 2021</u>
<b>Production</b>	1,029 cu/yds.	892 cu/yds.	797 cu/yds.	848 cu/yds.	716 cu/yds.	673 cu/yds.
<b>YTD. Production</b>	9,542cu/yds.	10,434cu/yds	11,231cu/yds	12,079cu/yds	716 cu/yds.	1,389 cu/yds.
<b>Distribution</b>	1,373cu/yds.	3,152cu/yds.	952cu/yds.	0 cu/yds.	120cu/yds.	11 cu/yds.
<b>YTD. Distribution</b>	8,408cu/yds.	11,560cu/yds	12,512cu/yds	12,512 cu/yds.	120 cu/yds.	131 cu/yds.
<b>Immediate Sale</b>	2,824cu/yds.	400cu/yds.	892cu/yds.	1,684 cu/yds.	2,412 cu/yds.	3,117 cu/yds.
<b>Currently in Storage</b>	3,853 cu/yds.	1,292 cu/yds.	1,689 cu/yds.	2,532 cu/yds.	3,128 cu/yds.	3,790 cu/yds.

**SEPTAGE OPERATIONS**

	<u>Sep. 2020</u>	<u>Oct. 2020</u>	<u>Nov. 2020</u>	<u>Dec. 2020</u>	<u>Jan. 2021</u>	<u>Feb. 2021</u>
<b>Res./Comm.</b>	68,921 gals.	77,450 gals.	68,500 gals.	78,350 gals.	53,400 gals.	68,347 gals.

<b>CH/Potter</b>	3,448.91 lbs/solids	2,602.08 lbs/solids	3,794.70 lbs/solids	5,041.53 lbs/solids	5,421.00 lbs/solids	3,923.97 lbs/solids
<b>Port Matilda</b>	1,451.16 lbs/solids	1,517.88 lbs/solids	1,367.76 lbs/solids	1,601.28 lbs/solids	834.00 lbs/solids	1,434.48 lbs/solids
<b>Huston Twp.</b>	550.44 lbs/solids	300.24 lbs/solids	1000.80 lbs/solids	733.92 lbs/solids	717.24 lbs/solids	617.16 lbs/solids
<b>Total Flow</b>	112,921 gals.	114,950 gals.	123,000 gals.	133,250 gals.	116,000 gals.	114,030gals.

**Plant Operation**

The treatment plant is operating well with no exceptions for the month of February 2021. The 12-month rolling average flow for January was 3.03mgd with the average for the month being 3.80mgd. The average monthly **influent** flow was 5.30mgd.

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>Feb-21</b>	<b>YTD</b>	<b>Plant Effl. Temp</b>	<b>Wetland Effl. Temp.</b>
<b>Best Western</b>	<b>14,000</b>	<b>27,000</b>		
<b>Centre Hills</b>	<b>0</b>	<b>0</b>	<b>Feb-21</b>	<b>Feb-21</b>
<b>Cintas</b>	<b>397,000</b>	<b>861,000</b>	<b>54.5</b>	<b>62.8</b>
<b>Red Line</b>	<b>555,000</b>	<b>1,055,000</b>		
<b>UAJA Wetland</b>	<b>0</b>	<b>3,430,000</b>		
<b>GDK Vault</b>	<b>17,615,000</b>	<b>39,985,000</b>		
<b>Kissingers</b>	<b>1,779,000</b>	<b>3,766,000</b>		
<b>Stewarts/M.C.</b>	<b>6,000</b>	<b>8,000</b>		
<b>TOTAL</b>	<b>20,366,000</b>	<b>49,132,000</b>		

**Plant Maintenance**

- Changed oil in Air Scour Pump #2.
- Changed diaphragm in Primary Pump #2.
- Completed rebuild of WAS pump #1.
- Installed a dual clean-out on drain line from D/W with help from Mark’s crew and used Big Red to clean the line upstream and down.
- Replaced fines belt on the Trummel Screening unit.
- Replaced burner control for MAU-1402.
- Replaced all o-rings and membranes on MF #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:**

Harris Reuse Project – Installed (100 ft of 12” main at booster station). Harris Reuse Project is complete and tested. We will complete restoration in spring.

Shiloh Pump Station Project – Wet well and Valve pit set and interior plumbing completed. We are now starting the new force main.

Main Line Televising – 934 ft televised - 6 manholes inspected.

Mainline Cleaning – 300 ft cleaned at plant.  
Equipment maintenance.

**Lift Station Maintenance:**

Replaced (2) E-One pumps at Huntridge development.  
Cleaned (11) lift station wet wells.  
Routine Maintenance.

**Next Month Projects:**

Continue the Shiloh Rd. pump station upgrade project.  
Start conduit project at Shiloh station.  
Cleaning wet wells.  
Televised paving projects.

**Inspection:**

Final As-Builts Approved:

Rockey Ridge Phase 5  
Grays Pointe phase 6 section C

Mainline Construction:

- a. Harner Farms – Construction is approximately (80%) complete.
- b. Patton Crossing Phase 1 – Construction is approximately (95%) complete

New Connections:

a.	Single-Family Residential	3	c.	Commercial	0
b.	Multi-Family Residential	0	d.	Non-Residential	0
<b>TOTAL</b>					<b>3</b>

PA One-Calls Responded to 02/1-28/21: 102

**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)**

**Chapter 94 Municipal Wasteload Management Report**

- Pump station capacity and loading tables along with the sewer extensions map were provided to the Authority.

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

- Contract No. 17-03: General Construction (Global Heavy Corporation)- Complaint against the UAJA and HRG.
- Contract No. 17-04: Electrical Construction (Hayden Power Group) – Contractor has completed all punch list items and has provided the required close out document. Final payment in the amount of \$29,648.50 is recommended. Closeout documents are being prepared.
- A meeting has been scheduled for Friday morning at 10 AM to review the status of the project

and future proposed changes with PA DEP as it pertains to the Air Quality Plan Approval and future operating permits.

**Greenbriar Sanitary Sewer (R001178.0631)**

- Record Drawings will be finalized after revised field data for locator boxes is provided by GeoDecisions.

**Shiloh Road Pump Station Upgrades (R001178.0632)**

- HRG is available to assist with construction phase services.

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

- Contract 2020-02 (Ligonier)- a value of \$3,000.00 is being retained as a punch list item until restoration can be confirmed.

**Scott Road Pump Station and Bristol Interceptor – Act 537 Plan Special Study (R001178.0661)**

- The proposed force main along Bristol Avenue will be located within a drainage easement, which will require approval from Ferguson Township along with an easement from the property owner.
- The Water Quality Management Permit Application was submitted to the PA DEP on February 23<sup>rd</sup>.
- Final design documents are being prepared.

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

- The Special Study was updated and re-submitted to the Authority staff for review.

**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.

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

- Drawings were prepared for the Shiloh Road alignment to Premier Drive. The drawings were sent to Columbia Gas for review since a portion of the alignment is within their right-of-way.
- Work delineation was coordinated with Rettew.
- Columbia Gas has responded that it will not permit UAJA to install the fiber optic conduit inside its right-of-way between Trout Road and Hartman Farm Lane.

**Entry Road Storm Water Improvements – (R001178.0681)**

- A design review meeting held with staff on March 10<sup>th</sup>. Permit applications will be submitted.

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

- Field survey data is being collected this week.

**Developer Plan Reviews:**

- The Contractor's (GOH/Hawbaker Eng) as-built drawings for sanitary replacements associated with the PennDOT work in North Atherton St were reviewed and returned for corrections; December 22, 2020 (1178.0686).

- The Developer’s design drawings for the sanitary system for Canterbury Crossing Phase 1C sanitary sewer design were reviewed and returned for corrections; March 2, 2021 (1178.0697).
- The Developer’s design drawings for the sanitary system for Aspen Heights, Squirrel Drive – Sanitary Sewer were reviewed and returned for corrections; February 18, 2021 (1178.0696).
- Pennterra is working to have Canterbury and Aspen submitted for review by Thursday, March 11<sup>th</sup>.

**6.7 Construction Report**

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

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

**Sludge Storage Tank Mixer (094612034)**

- Tentative Certificate of Substantial Completion has been issued via separate cover for review for 4- M Construction Services LLC (2020-01). Definitive Certificate of Substantial Completion has been issued for Stelco, Inc. (2020-05).

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
2020-01			\$68,600.00	\$68,600.00	100.00%	\$3,430.00
2020-05			\$27,750.00	\$26,832.45	96.69%	\$3,600.80
		\$0.00	\$96,350.00	\$95,432.45	99.05%	\$917.55

- We have prepared final change orders for both contracts as follows:
  - Contract No. 2020-01: Change Order No. 2 - Increase of \$1,000.00 for modifications to the tank slab to accommodate changes in the mixer power cable and crane base.
  - Contract No. 2020-05: Change Order No. 1 - Increase of \$1,630.14 for the addition of junction box and control wiring that was unable to be pulled through the existing underground conduit.

**Aeration Line Improvements (094612035)**

- A pre-construction meeting was held February 26, 2021. Contractors have begun to submit shop drawings for review. HRI, Inc. (2020-09) has submitted Application for Payment No. 01 and we are recommending payment in the amount of \$3,604.50. On-site work for the aeration piping should begin the second week of April.

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			\$511,096.00		0.00%	\$511,096.00
2020-09	1	\$3,604.50	\$103,505.00	\$4,005.00	3.87%	\$99,900.50
		\$3,604.50	\$614,601.00	\$4,005.00	0.65%	\$610,596.00

**Solar System – Phase II – Demolition and Site Prep (094612040)**

- The project is on target for an April commissioning with panel installation nearly complete and the majority of the DC wiring completed. All major components are on-site, and our subcontractor is anticipated to begin the tie-in to the plant prior to the end of the month.

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
2020-10			\$265,908.00	\$190,982.00	71.82%	\$94,024.20
		\$0.00	\$265,908.00	\$190,982.00	71.82%	\$94,024.20

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

- Installation of the stream monitoring instruments will begin over the next month, with continuous monitoring of Spring Creek for part of the year to determine the level of any impairment during the growing period (March – November), prior to undertaking an intensive study during the critical high- temp, low-flow period.

**Ozone Disinfection for Effluent (094612023)**

- The application for a Water Quality Management Part II Permit has been submitted to the Pennsylvania Department of Environmental Protection for the use of ozone as the disinfectant of the plant effluent. We are in the process of completing final design for the addition of the ozone system.

**Anaerobic Digestion Project (094612026)**

- RETTEW is nearing completion of the preliminary design of the proposed Biosolids Improvement project and anticipates submission of an application for a Water Quality Management Permit by the end of March. The next scheduled workshop with staff is planned for March 16<sup>th</sup>. We will be working with staff over the next few months to prepare the final design for review and approval.

**High Voltage Switchgear and Cable Replacement (094612045)**

- A pre-construction meeting was held March 9<sup>th</sup> with the contractor, Thoroughbred Construction Group.

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			\$1,043,639.00		0.00%	\$1,043,639.00
		\$0.00	\$1,043,639.00	\$0.00	0.00%	\$1,043,639.00

**Modifications to GD Kissinger Meadow Stream Augmentation**

- We anticipate upcoming changes to the Authority’s NPDES permit for the discharge of beneficial reuse water to Slab Cabin Run. The changes will require the Authority to modulate 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. Initially, we are preparing a Technical Memo for how the dechlorination of the reuse water will be accomplished.



**Nutrient Credit Offsets – Solar Installation and Stormwater Offsets (094612028)**

- A conference call to discuss the nutrient credit offsets was held with the Authority, the PADEP, the Environmental Protection Agency, and RETTEW.

**6.8 Executive Director’s Report**

**Residential Solar Program**

With some modifications, there is no reason UAJA cannot proceed with a residential solar program if desired. Local solar contractors (within Centre County) cannot be excluded; Centre County has two installers. UAJA also cannot sell power. The change would be that UAJA would be providing financing for solar panels being installed on a roof. It is a set fee per solar panel per year. As of March 17, 2021, there are 75 interested households.

**Penalty Expiration**

During Covid, penalties were not allowed to be assessed, but as of April 1, 2021 that will be expiring. UAJA has a list of customers that are significantly behind. A letter will be sent to those customers asking them to get in contact with UAJA to make payment arrangements.

**7 Other Business**

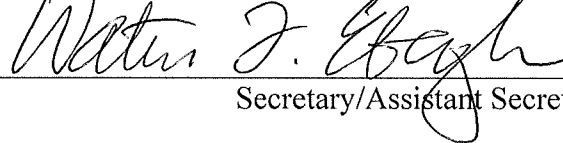
None.

**8 Adjournment**

The meeting was adjourned at 4:59 p.m. via motion by Mr. Nucciarone and second by Mr. Derr.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



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Secretary/Assistant Secretary