

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

Regular Meeting – August 19, 2020

1. Call to Order

An executive session was held from 4 p.m. until 4:27 p.m.

Mr. Lapinski, Chairman, called the meeting to order at 4:27 p.m., Wednesday, August 19, 2020. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Auman and Lapinski, 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; Jason Wert and Michele Aukerman, Rettew. Those in attendance via Zoom were Messrs. Daubert, Dempsey, Derr, Dietz, Ebaugh, Guss, Miller, Nucciarone; Jim May, CRPA; Corey Rilk, CRPA; Chad Pulliam, Perry Fiberglass; Kevin Mullen; Dan Delany; William Charles Steudler; Mark Huncik; C-NET.

2. Reading of the Minutes

UAJA Regular Meeting – July 15, 2020

UAJA Meeting Minutes Approved
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A motion was made by Mr. Derr, seconded by Mr. Dietz, to approve the minutes of the UAJA meeting held on July 15, 2020. The motion passed unanimously.

3. Public Comment

3.1 Other items not on the agenda

Mr. Mullen spoke to the board about getting a refund on the second bill for the last five years which would come to around \$2,000.

Mr. Pulliam from Perry Fiberglass has been trying to collect money from Global Heavy since January and wanted to find out if Global Heavy was going to get any money. He wanted to know when a final payment or even at least a substantial completion payment will happen. It was suggested Mr. Pulliam contact Mr. Burns, HRG Consulting Engineer, for further questions.

4. Old Business

4.1 Beneficial Reuse Service Area Draft Task Activity Report (TAR)

The draft TAR for an Act 537 Plan Special Study was submitted to the Centre Region Planning Agency in December 2019 for review and comment. The purpose of the TAR is to define the scope for a study to recommend the establishment of a beneficial reuse service boundary which will support the goals and objectives of the Centre Region Comprehensive Plan and the Act 537 Plan.

On August 12, 2020 there was a meeting of the Source Water Protection Agreement Project Management Team (PMT) to discuss the comments and UAJA's response to those comments. Several Board members attended. No resolution was reached, and another PMT meeting is scheduled for September 9, 2020 to continue the discussion.

The purpose of this agenda item is for the members that were present at the August 12 meeting to share their thoughts on that meeting with the entire UAJA Board.

Recommendation: Discussion only.

5. New Business

5.1 Final Design: Patton Crossing Phase 1

Final design drawings for the Patton Crossing Phase 1 sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 2.5 EDUs. The review comments have been addressed.

Final design for Patton Crossing Phase 1 has been withdrawn.

5.2 Requisitions

Construction Fund #216	S&C Operations, Inc. Harris Reuse Trucking	\$10,497.75
Construction Fund #217	HRG Harris Reuse Engineering	\$3,055.00
Construction Fund #218	HRG Odor Control Engineering	\$2,550.00
Construction Fund #219	Cleveland Brothers Harris Reuse Equipment	\$1,063.15
Construction Fund #220	Best Line Equipment Harris Reuse Equipment	\$2,900.00
Construction Fund #221	CMJ Trucking & Construction Harris Reuse Topsoil	\$3,750.00
TOTAL CONSTRUCTION FUND		\$23,815.90

**Construction Fund
Approved**

A motion was made by Mr. Auman, seconded by Mr. Derr, to approve the Construction Fund #216, #217, #218, #219, #220 and #221. The motion passed unanimously.

BRIF #426	Rettew Aeration Line Improvement Project	\$1,690.00
BRIF #427	Rettew Sludge Storage Tank Mixer Project	\$3,157.75
BRIF #428	HRG Meeks Lane Act 537 Special Study	\$3,220.00

BRIF #429	4-M Construction Payment Application No. 2	\$19,125.00
BRIF #430	Site Specific Design Greenbriar Project	\$4,465.00
BRIF #431	BI LO Supply Greenbriar Project	\$3,075.61
BRIF #432	Xylem Water Solutions Shiloh Pump Station Upgrade	\$45,391.40
BRIF #433	Xylem Water Solutions Shiloh Pump Station Upgrade	\$58,490.00
BRIF #434	Sherwood-Logan & Associates, Inc. AWT Chemical Pumps	\$14,150.00
BRIF #435	Ducken Tree Farm, LLC Greenbriar Project	\$1,146.00
TOTAL BRIF		\$153,910.76

**BRIF
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Daubert, to approve BRIF #426, #427, #428, #429, #430, #431, #432, #433, #434 and #435. The motion passed unanimously.

Revenue Fund #170	Debt Service, Operation and Maintenance Expenses	\$1,000,000.00
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TOTAL REVENUE FUND **\$1,000,000.00**

**Revenue Fund
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Nucciarone, to approve the Revenue Fund #170. 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 July 31, 2020 was reviewed with the Board by Jason Brown.

6.3 Chairman's Report

Mr. Lapinski thanked the members that attended the source water meeting.

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>Feb. 2020</u>	<u>Mar. 2020</u>	<u>Apr. 2020</u>	<u>May 2020</u>	<u>Jun. 2020</u>	<u>Jul. 2020</u>
Production	983 cu/yds.	1,202 cu/yds.	987 cu/yds.	988 cu/yds.	1,213 cu/yds.	1,118 cu/yds.
YTD. Production	2,139 cu/yds.	3,341 cu/yds.	4,328 cu/yds.	5,316 cu/yds.	6,529 cu/yds.	7,647 cu/yds.
Distribution	1,391 cu/yds.	371 cu/yds.	1,703 cu/yds.	948 cu/yds.	1,164 cu/yds.	669 cu/yds.
YTD. Distribution	1,524 cu/yds.	1,895 cu/yds.	3,598 cu/yds.	4,546 cu/yds.	5,710 cu/yds.	6,379 cu/yds.
Immediate Sale	2,902 cu/yds.	3,554 cu/yds.	3,006 cu/yds.	3,019 cu/yds.	2,841 cu/yds.	3,387 cu/yds.
Currently in Storage	3,885 cu/yds.	4,756 cu/yds.	3,993 cu/yds.	4,007 cu/yds.	4,054 cu/yds.	4,505 cu/yds.

SEPTAGE OPERATIONS

	<u>Feb. 2020</u>	<u>Mar. 2020</u>	<u>Apr. 2020</u>	<u>May 2020</u>	<u>Jun. 2020</u>	<u>Jul. 2020</u>
Res./Comm.	4,550 gals.	7,500 gals.	10,250 gals.	11,550 gals.	23,425 gals.	69,373 gals.
CH/Potter	5,066.55 lbs/solids	4,674.57 lbs/solids	9,011.37 lbs/solids	10,045.53 lbs/solids	4,174.17 lbs/solids	4,036.56 lbs/solids
Port Matilda	1,467.84 lbs/solids	1,551.24 lbs/solids	2,768.88 lbs/solids	1,150.92 lbs/solids	1,417.80 lbs/solids	1,000.80 lbs/solids
Huston Twp.	417.00 lbs/solids	617.16 lbs/solids	467.04 lbs/solids	683.88 lbs/solids	517.08 lbs/solids	433.68 lbs/solids
Total Flow	62,550 gals.	64,500 gals.	101,250 gals.	104,550 gals.	75,925 gals.	123,373 gals.

Plant Operation

The treatment plant is operating well with no exceptions for the month of July 2020. The 12-month rolling average flow for July was 3.13mgd with the average for the month being 2.64mgd. The average monthly **influent** flow was 4.29mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	Jun-20	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	27,000	124,000		
Centre Hills	9,080,000	17,254,000	Jul-20	Jul-20
Cintas	533,00	3,484,000	71.0	72.9
Red Line	407,000	2,572,000		

Uaja Wetland	2,124,000	19,321,000
GDK Vault	25,322,000	276,299,000
Kissingers	2,052,000	13,027,000
Stewarts/M.C.	16,000	43,700
TOTAL	39,561,500	332,124,700

Plant Maintenance

- Replaced diaphragm in Primary Pump #11.
- Duct heaters were removed, and openings enclosed at Headworks.
- Replaced Module Control Board on Outfall UV Bank 2A, Module 1.
- Cleaned air intakes plant wide.
- Replaced Air Flow meters on Train #3 with calibrated meters.
- Serviced Secondary Clarifiers.
- Serviced both primary Air Compressors
- Installed new lamp cords on UV bank 2A, Module 2.
- Replaced check balls on Primary Pump #9.
- Installed new fan in Bay 14 zone D.
- Cleaned WAS tank #4 (Big Bertha) in preparations for repair.

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:

New Construction – Greenbriar – Installed (1,634 ft) of lateral pipe – (11) homes hooked up to new system.
 Harris Reuse Project – Installed (680 ft) of 12” main.
 Casting Repairs – (5).
 Equipment maintenance.

Lift Station Maintenance:

Cleaned (10) lift station wet wells.
 Replaced start capacitor at Aspen Heights station.
 Replace lead float at Piney Ridge station.

Next Month Projects:

Cleaned (10) lift station wet wells.
 Replaced start capacitor at Aspen Heights station.
 Replace lead float at Piney Ridge station.

Inspection:

Final As-Builts Approved: Grays Woods Phase 6, Section B

Mainline Construction:

- a. Grays Woods Planned Community Lot 46A & 46B – Started Construction.

New Connections:

a. Single-Family Residential	17	c. Commercial	0
b. Multi-Family Residential	16	d. Non-Residential	0

TOTAL 33

PA One-Calls Responded to 7/1-31/20: 322

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

- Update to the report: Contractors for the beneficial reuse extension project, the Highway Crossings, have commenced activities. HRI, the contractor performing open cut crossings, has already installed the crossing at Oak Hall/ Boalsburg Road. Pavement restoration still needs completed. They will be moving to SR 45 crossing for the McShay Farm next.
- At the request of the PA DEP, a hard copy of the application for renewal of the Solid Waste Permit was printed and delivered to Centre County.
- HRG is assisting with the development of 2021 budget items for capital projects.

Odor Control System Upgrades

Contract Times								
Contract No.	Notice to Proceed	Contract Time	Substantial Completion Date	Days Used*	Days Remaining	Final Completion	Percent of Time Remaining	Time Used
17-03	9/4/2018	320	7/21/2019	659	-339	9/4/2019	0%	100%
17-04	9/4/2018	320	7/21/2019	659	-339	9/4/2019	0%	100%

*As of date when Dewatering Building air was introduced into the biofilter (June 24,2020).

- There were no applications for payment submitted for August. The following summarizes the Contract Prices and Balances.

Applications for Payment submitted by the Contractors are summarized in the following table:

Applications for Payment						
Contract No.	Application for Payment No.	Amount Due	Current Contract Price	Total Completed and Stored	% Monetary Complete	Balance to Finish Plus Retainage
17-03	--	--	\$8,378,317.71*	\$8,326,215.00	99.4	\$468,413.46*
17-04	--	--	\$585,199.00	\$584,790.00	99.9	\$29,648.50

*Includes Change Orders

- The date of Substantial Completion was established as June 24, 2020. Certificates of Substantial Completion and Punch Lists were transmitted to the Authority and to the Contractors.
- The Contracts are 339 days beyond the date of Substantial Completion (based on the date when air from the Dewatering Building was introduced into the Biofilter). Liquidated Damages in the amount of \$440,700.00 (\$1,300/day) have accrued. This does not account for additional time (41 days, March 21 – May 1) that may be due to the Contractors for delays associated with COVID-19.
- Contract No. 17-03: General Construction (Global Heavy Corporation) submitted a Change Proposal requesting a no cost time extension of 358 calendar days. The Change Proposal

references delays due to COVID-19 shut down, material delays, travel restrictions and denied time on previous Change Orders.

- An extension of the Air Quality Plan Approval was issued by the PA DEP.

Update: An application was submitted for payment for contract #17-03, Global Heavy, in the amount of \$265,896.00 after the above report was submitted for the meeting.

**Global Heavy
Payment Denied**

A motion was made by Mr. Derr, seconded by Mr. Dietz, to deny Global Heavy, contract #17-03, payment of \$265,896.00. The motion passed unanimously.

Shiloh Road Pump Station Upgrades (1178.0632)

- The Component 3M Sewage Facilities Planning Module was approved by the PA DEP.
- The following permits have been submitted:
 - Water Quality Management (PA DEP) – Pending Review
 - Highway Occupancy (PennDOT) – Issued 8/13/2020
 - Roadway/Bike Path Occupancy (College Township) - Pending Review
 - Zoning and Building Permit – Pending Review
- A quantity take-off list was prepared and a quote for materials was obtained from LB Water.
- The generator submittal was reviewed.
- Drawings have been finalized.

Extension of Beneficial Reuse Water to Harris Township (1178.0637)

- Alignment stake-out is being coordinated with the UAJA construction crew.
- A Pre-Construction Conference was held on July 23, 2020. Notice to proceed was issued.
- Submittals are being reviewed for both Contracts.
- HRI commenced work at the Boalsburg Road (SR 3010) crossing. A Work Change Directive was issued to work within Spring Creek due to field conditions.
- The schedule submitted by Ligonier identifies that they will be mobilizing this week and commencing the bore on August 20th.
- No applications for payment were submitted.

Scott Road Pump Station and Bristol Interceptor – Act 537 Plan Special Study (1178.0661)

- The draft study is awaiting action from the Centre Region COG.
- An engineering services proposal has been prepared.

Meeks Lane Pump Station – Act 537 Plan Special Study (1178.0663)

- Wilson Ecological is completing the field work for the Botanical Survey, which will occur over the next several months due to flowering seasons.

Beneficial Reuse Service Area Designation – Act 537 Plan Special Study (1178.0666)

- The draft Task Activity Report (TAR) was discussed at the May 7, 2020 Centre Region COG Public Services and Environment Committee. The TAR will be submitted to DEP once COG approves the draft TAR.
- A Source Water Protection Committee meeting was held on August 12, 2020 to discuss the TAR.

Entry Road Stormwater Improvements Stud – (1178.0681)

- HRG met with staff to review Critical Success Factors and to review the site.
- The report is 80% complete.

Developer Plan Reviews:

- The Developer’s design drawings for Grays Pointe Phase 6 Section C are under review (1178.0684).
- The Developer’s design drawings for Rockey Ridge Section 5 are under review (1178.0683).

6.7 Construction Report

ENR/AWT Upgrade Project (094612009)

- The contractor for Contract UAJA 2017-06 (HRI) is in the process of completing all punchlist and warranty items. Work re-started the week of August 10th to perform the modifications to the primary clarifier troughs.

Sludge Storage Tank Mixer (094612034)

- 4-M Construction Company and Stelco, Inc. continue work for the installation of the new mixer. Application for Payment No. 2 has been submitted by 4-M Construction Company (Contract No. 2020-01) and we are recommending payment in the amount of \$19,125.00.

Contract Number	Application for Payment #	Current Payment Due	Payment Requests To Date		% Monetarily Complete	Balance of Contract Amount
			Contract Price To Date incld/CO	Total Work To Date		
2020-01	2	\$19,125.00	\$39,250.00	\$26,250.00	66.88%	\$15,625.00
2020-05			\$27,750.00		0.00%	\$27,750.00
		\$19,125.00	\$67,000.00	\$26,250.00	39.18%	\$40,750.00

Aeration System Improvements (094612035)

- RETTEW is underway on the design of the Aeration System Improvements to replace leaking air lines for the Biological System. We are also incorporating two other smaller projects into this contract: replacement of existing alum mixers and additional upgrades to plant lighting. This project is anticipated to go out to bid in early fall.

WWTP NPDES Permit – Phosphorus Study (094612027)

- A revised Plan of Study has been submitted to address the PA DEP’s comments, including continuous monitoring of Spring Creek for part of the year to determine the level of any

impairment, prior to undertaking an intensive study during the critical high-temp, low-flow period. Installation of the stream monitoring instruments will begin upon receipt of approval of the Plan from the PA DEP.

Ozone Disinfection for Effluent (094612023)

- We obtained proposals and references from various manufacturers of ozone equipment and provided recommendations to staff for equipment selection. We are preparing a Water Quality Management Permit application for submission to the PA DEP for replacement of the existing UV system with new ozone disinfection, which will provide significant long-term energy savings for the Authority.

Anaerobic Digestion Project (094612026)

- We are working with staff to develop a series of feasible options for the incorporation of anaerobic digestion at the Plant. We are also meeting with a potential buyer to discuss pricing for the purchase of the biogas. RETTEW will provide a summation of the alternatives at the meeting.

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

- A meeting was held with the EPA to review the proposal for nutrient credit offsets related to reductions in nitrogen emissions in the air as a result of increased solar energy usage. To assist the PA DEP with how to handle this type of nutrient offset, we are working with the Authority to draft a letter to the DEP Secretary, along with suggested draft language for future NPDES permits.

Solar System (Phase II)

- College Township Zoning permit has been issued.
- Building Permit Application has been submitted to Centre Region Code for approval. We anticipate installation of the panels to begin in October.

Solar System (Phase II)

- Project is active currently on the PennBid website with bids scheduled to be opened Monday, August 17th. Bid summation will be provided during the Board meeting.

Notice of Intent to Award Contract Approved
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A motion was made by Mr. Dempsey, seconded by Mr. Auman, an intent to award Stone Valley Construction, Contract #2020-10, in the amount of \$260,604.00. The motion passed unanimously.

6.8 Executive Director's Report

Residential Solar Pilot Project

The residential solar pilot project was received well by the Centre Region COG Public Service and Environmental Committee. The next step is to take it to each municipality for comment.

Gordon D. Kissinger Meadow NPDES Permit

On August 20, 2020, UAJA attorneys, Fish and Boat Commission attorneys, and DEP attorneys will be getting together to discuss settlement of the appeal of the Gordon D. Kissinger Meadow NPDES permit. An update on this should be given at the next meeting.

7 Other Business

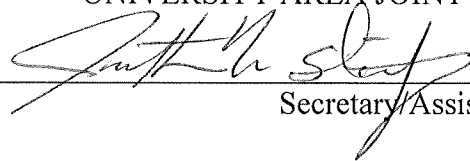
On September 3, 2020, Mr. Lapinski and Mr. Ebaugh will be attending the College Township council meeting to give an annual update.

8 Adjournment

The meeting was adjourned at 5:20 p.m. via motion. Mr. Nucciarone moved, seconded by Mr. Auman. Motion passed.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary