

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

**Regular Meeting – October 21, 2020**

**1. Call to Order**

Mr. Lapinski, Chairman, called the meeting to order at 4:24 p.m., Wednesday, October 21, 2020. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Auman, Dietz 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 and Ebaugh; Corey Rilk, CRPA; Kevin Mullen; Cynthia Hahn, C-NET; C-NET; Scott Shearer and Karli Keisling, Public Financial Management; Doug Erickson, Patton Township; Mark Huncik.

**2. Reading of the Minutes**

UAJA Regular Meeting – September 16, 2020

<p><b>UAJA Meeting Minutes Approved</b></p>
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A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve the minutes of the UAJA meeting held on September 16, 2020. The motion passed unanimously.

**3. Public Comment**

**3.1 Other items not on the agenda**

Mr. Mullen spoke to the board about being overcharged for years and getting a partial refund on his bill. He also asked for his ten questions to be addressed.

**4. Old Business**

**4.1 C-NET Annual Update**

The University Area Joint Authority became a C-NET member organization in January of 2020. C-NET televises Authority meetings on Channel 7 and web streams the meetings online at [cnet1.org](http://cnet1.org). Cynthia Hahn, Executive Director, will present the C-NET annual update to the Authority Board.

**Recommendation:** No action required.

**5. New Business**

**5.1 Introduction to the new bond issues**

The draft 2021 budget includes several major capital projects including the digester/dryer project and the effluent ozone project which will need to be funded with revenue bonds. To take advantage of bank qualified interest rates, Public Financial Management (PFM) is recommending two bond issues, one in late 2020 and one in early 2021. PFM will discuss the two bond issues and explain the schedule.

**Recommendation:** No action required.

**Moving Forward  
With The Process**

A motion was made by Mr. Dietz, seconded by Mr. Dempsey to move forward with the process, not approving it. The motion passed unanimously.

**5.2 2021 Budget Subcommittee meeting Summary**

The budget subcommittee met October 14 to discuss the draft 2021 budget. The budget will be ready for the November meeting. To allow the Borough of State College to adopt their budget and include any change to the tapping fee, UAJA needs to adopt the tapping fee. UAJA has for many years used the construction cost index contained in the October edition of the Engineering News Record to adjust the tapping fee. At the time of the distribution of the agenda, the index has not been published. The index should be available by the meeting date. The index value in September reflected a 1.7 percent increase. The 2020 tapping fee is \$5440 per EDU. The proposed tapping fee for 2021 will be provided as soon as the October index is available.

\*Update: The index value came out today, October 21, 2020, and is reflecting a 1.9 percent increase, which would propose the 2021 tapping fee to be \$5,543 per EDU.

**Recommendation: Adopt the tapping fee for 2021 as provided at the meeting.**

**2021 Tapping Fee  
Approved**

A motion was made by Mr. Derr, seconded by Mr. Auman, to approve the tapping fee for 2021 at \$5,543 per EDU. The motion passed unanimously.

**5.3 First Citizens Community Bank co-signer approval**

UAJA has used First Citizens Community Bank for financing vehicle and equipment purchases. This is an administrative action requiring board approval to appoint Jason Brown as an additional co-signer.

**Recommendation:** Appoint Jason Brown as an additional co-signer for transactions with First Citizens Community Bank.

**Additional Co-  
Signer For First  
Citizens  
Community Bank  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Derr, to approve Jason Brown as the additional co-signer for transactions with First Citizens Community Bank. The motion passed unanimously.

**5.4 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.

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

**Final Design  
Drawings  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve the drawing as submitted for Patton Crossing Phase 1. The motion passed unanimously.

### 5.5 Requisitions

Construction Fund #232	S&C Operations, Inc. Harris Reuse Trucking	\$12,580.00
Construction Fund #233	HRG Harris Reuse Engineering	\$3,494.00
Construction Fund #234	Glossner's Concrete Harris Reuse Project	\$1,707.00
Construction Fund #235	Centre Concrete Company Harris Reuse Project	\$2,360.00
Construction Fund #236	Pinnacle Erosion Control Harris Reuse Project	\$3,516.00
Construction Fund #237	HRI, Inc. Harris Reuse- Pay App. No. 2	\$179,715.00
Construction Fund #238	Ligonier Construction Harris Reuse- Pay App. No. 2	\$141,475.50
Construction Fund #239	Rettew Associates ENR/AWT Upgrade	\$26,866.44
<b>TOTAL CONSTRUCTION FUND</b>		<b>\$371,713.94</b>

**Construction Fund  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Derr to approve Construction Fund #232, #233, #234, #235, #236, #237, #238 and #239. The motion passed unanimously.

BRIF #445	Filmtec Corporation (Dupont) AWT Membranes	\$81,000.00
BRIF #446	Rettew Aeration Line Improvement Project	\$13,538.00
BRIF #447	Rettew Solar Phase II Project	\$1,482.50
BRIF #448	Rettew Sludge Storage Tank Mixer Project	\$4,500.00
BRIF #449	BI LO Supply Greenbriar Project	\$777.18
BRIF #450	Site Specific Design, Inc. Greenbriar Project	\$17,974.00

BRIF #451	Ducken Tree Farm, LLC. Greenbriar Project Topsoil	\$3,532.00
BRIF #452	4-M Construction Services Sludge Storage- Pay App. No. 4	\$12,207.50
BRIF #453	Stelco, Inc. Sludge Storage- Pay App. No. 2	\$4,166.24
<b>TOTAL BRIF</b>		<b>\$139,177.42</b>

**BRIF  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve BRIF #445, #446, #447, #448, #449, #450, #451, #452 and #453. The motion passed unanimously.

Revenue Fund #172	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. Auman, to approve the Revenue Fund #172. The motion passed unanimously.

#### **Shiloh Road Condemnation**

Parcel 19-002B,065-,0000- at Shiloh Road may need to be condemned if necessary. All other easements have been obtained.

**Shiloh Road  
Condemnation  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve condemnation of parcel 19-002B,065-,0000- at Shiloh Road. 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 September 30, 2020 was 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>Apr. 2020</u>	<u>May 2020</u>	<u>Jun. 2020</u>	<u>Jul. 2020</u>	<u>Aug. 2020</u>	<u>Sep. 2020</u>
<b>Production</b>	987 cu/yds.	988 cu/yds.	1,213 cu/yds.	1,118 cu/yds.	866 cu/yds.	1,029 cu/yds.
<b>YTD. Production</b>	4,328 cu/yds.	5,316 cu/yds.	6,529 cu/yds.	7,647 cu/yds.	8,513 cu/yds.	9,542 cu/yds.
<b>Distribution</b>	1,703 cu/yds.	948 cu/yds.	1,164 cu/yds.	669 cu/yds.	656 cu/yds.	1,373 cu/yds.
<b>YTD. Distribution</b>	3,598 cu/yds.	4,546 cu/yds.	5,710 cu/yds.	6,379 cu/yds.	7,035 cu/yds.	8,408 cu/yds.
<b>Immediate Sale</b>	3,006 cu/yds.	3,019 cu/yds.	2,841 cu/yds.	3,387 cu/yds.	3,850 cu/yds.	2,824 cu/yds.
<b>Currently in Storage</b>	3,993 cu/yds.	4,007 cu/yds.	4,054 cu/yds.	4,505 cu/yds.	4,716 cu/yds.	3,853 cu/yds.

**SEPTAGE OPERATIONS**

	<u>Apr. 2020</u>	<u>May 2020</u>	<u>Jun. 2020</u>	<u>Jul. 2020</u>	<u>Aug. 2020</u>	<u>Sep. 2020</u>
<b>Res./Comm.</b>	10,250 gals.	11,550 gals.	23,425 gals.	69,373 gals.	68,347 gals.	68,921 gals.
<b>CH/Potter</b>	9,011.37 lbs/solids	10,045.53 lbs/solids	4,174.17 lbs/solids	4,036.56 lbs/solids	3,932.31 lbs/solids	3,448.91 lbs/solids
<b>Port Matilda</b>	2,768.88 lbs/solids	1,150.92 lbs/solids	1,417.80 lbs/solids	1,000.80 lbs/solids	617.16 lbs/solids	1,451.16 lbs/solids
<b>Huston Twp.</b>	467.04 lbs/solids	683.88 lbs/solids	517.08 lbs/solids	433.68 lbs/solids	567.12 lbs/solids	550.44 lbs/solids
<b>Total Flow</b>	101,250 gals.	104,550 gals.	75,925 gals.	123,373 gals.	106,347 gals.	112,921 gals.

**Plant Operation**

The treatment plant is operating well with no exceptions for the month of September 2020. The 12-month rolling average flow for September was 3.08mgd with the average for the month being 3.09mgd. The average monthly **influent** flow was 5.14mgd.

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>Sep.-20</b>	<b>YTD</b>	<b>Plant Effl. Temp</b>	<b>Wetland Effl. Temp.</b>
<b>Best Western</b>	<b>21,000</b>	<b>165,000</b>		
<b>Centre Hills</b>	<b>4,794,000</b>	<b>29,810,000</b>	<b>Sep.-20</b>	<b>Sep.-20</b>
<b>Cintas</b>	<b>494,000</b>	<b>4,498,000</b>	<b>71.9</b>	<b>71.1</b>
<b>Red Line</b>	<b>359,000</b>	<b>3,280,000</b>		
<b>UAJA Wetland</b>	<b>2,010,000</b>	<b>23,034,000</b>		
<b>GDK Vault</b>	<b>28,041,000</b>	<b>334,410,000</b>		
<b>Kissingers</b>	<b>1,444,000</b>	<b>16,187,000</b>		
<b>Stewarts/M.C.</b>	<b>4,600</b>	<b>52,800</b>		
<b>TOTAL</b>	<b>37,167,600</b>	<b>411,436,800</b>		

**Plant Maintenance**

- Installed non-potable water pump.
- Changed out Landia mixer AM504.
- Replaced well pump, expansion tank and pressure switch at the Main Station.
- Replaced/repaired Headworks screening unit drive and auger.
- Patched and started painting #4 secondary tank.
- Replaced hydraulic lines on Composter #1 and #2.
- Replaced shaft and bearings on Knight mixer.
- Repaired Bay 4 water lines.
- Installed Centrifuge Feed Pump #2.
- Performed several CIP's on RO units.
- Installed emergency eye wash and shower in AWT.
- Installed all-thread restraints on AWT Feed Pump manifold.

**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 (1,690 ft) of lateral pipe – (12) homes hooked up to new system.

Harris Reuse Project – Installed (1,994 ft) of 12” main.

Casting Repairs – (1).

Equipment maintenance.

**Lift Station Maintenance:**

Replaced low fuel switch on generator at Outer Dr. station.

Repaired damaged wires on Kaywood generator.

Cleaned (9) lift station wet wells.

Routine Maintenance.

**Next Month Projects:**

Continue Greenbriar project.

Continue Harris Reuse project.

Cleaning wet wells.

Install new laterals at Branch Rd./ Torrey Ln. and Cardinal Ln.

**Inspection:**

Final As-Builts Approved:

Grays Woods Planned Community Lot 46A & 46B

**Mainline Construction:**

- a. Harner Farms – Started Construction

**New Connections:**

a.	Single-Family Residential	16	c.	Commercial	1
b.	Multi-Family Residential	27	d.	Non-Residential	0

**TOTAL 44**

PA One-Calls Responded to 9/1-30/20: 333

## 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

- Continued to provide assistance with the development of 2021 budget items for capital projects.

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

- Contract No. 17-04: Electrical Construction (Hayden Power Group) has been completing punch list items.
- Contract No. 17-03: Responses to the complaint are being coordinated.
- BIOREM (biofilter manufacturer) has been working to complete the punch list items associated with their scope of supply under Contract No. 17-03.
- Based on two sets of samples, the biofilter system demonstrated an average odor removal of 90%.
- There are no applications for payment.

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

- All permits have been issued.

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

- Alignment stake-out is being coordinated with the UAJA construction crew.
- Contract 2020-02 (Ligonier) has completed the conventional bore crossing of SR 0322 near the Centre Hills Booster Station. They are waiting for pipe delivery, which is anticipated for late November. Pipe production delays were reportedly a result of hurricanes in the Gulf Region.
- Contract 2020-03 (HRI) completed all crossings including restoration (mill and overlay). Substantial completion was issued and the Contractor is working to complete punch list items.
- Contract 2020-03 submitted two Change Proposals:
  - **Change Proposal No. 1:** requested an increase in the Contract Price of \$33,880.48 for work around the sewer line and within Spring Creek. HRG is working with the UAJA staff to evaluate and negotiate this Change Proposal.
  - **Change Proposal No. 2:** requested an increase in the Contract Price of \$6,861.06 for work around the water line at the SR 0322 crossing.
- Substantial Completion Dates:
  - Contract 2020-02    October 21, 2020

- Contract 2020-03 Substantially Complete

Applications for Payment are summarized in the following table.

<b>Applications for Payment</b>						
<b>Contract No.</b>	<b>Application for Payment No.</b>	<b>Amount Due</b>	<b>Current Contract Price</b>	<b>Total Completed and Stored</b>	<b>% Monetary Complete</b>	<b>Balance to Finish Plus Retainage</b>
2020-02	2	\$141,475.50	\$303,000.00	\$180,450.00	59.5%	\$131,572.50
2020-03	2	\$179,715.00	\$366,000.00	\$366,000.00	100%	\$54,750.00

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

- The draft study has been submitted to the PA DEP and is pending review.
- A field visit was conducted with UAJA Collection System staff to review the proposed pump station site layout and to establish the general alignment to set survey boundaries. Deeds and land records have been compiled along with road right-of-way mapping. Field survey is anticipated to commence within the next several days.

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

- DCNR reviewed the survey completed by Wilson Ecological Consulting and has determined that no impacts are likely. No further coordination is needed; however, the DCNR did provide a list of recommended actions that will be considered for incorporated into the design and specifications.
- The Special Study has been updated and will be 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.

**Entry Road Stormwater Improvements Stud – (R001178.0681)**

- A proposal to complete the design of the entry road and storm water improvements is being prepared.

**Developer Plan Reviews:**

- The Developer’s design drawings for Patton Crossing Phase 01 were recommended to Staff on September 30, 2020 (1178.0680).
- The Developer’s as-built drawings for Gray's Woods Lots 46A & 46B were recommended to Staff on October 1, 2020 (1178.0685).
- The Contractor’s (GOH/Hawbaker Eng) as-built drawings for sanitary replacements associated with the PDOT work in North Atherton St were received and are under review on October 12, 2020 (1178.0686).



## 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. The Authority will also complete some of the items that the Contractor has not diligently pursued utilizing retainage.

### Sludge Storage Tank Mixer (094612034)

- 4-M Construction Company and Stelco, Inc. continue work for the installation of the new mixer. The remaining electrical equipment will arrive and be installed this month. Application for Payment No.4 has been submitted by 4-M Construction Company (Contract No. 2020-01) and we are recommending payment in the amount of \$12,207.50. This application includes the initial removal of the Continental aeration blower for repair. Application for Payment No. 2 has been submitted by Stelco, Inc. (Contract 2020-05) and we are recommending payment in the amount of \$4,166.24.

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	4	\$12,207.50	\$68,600.00	\$49,550.00	72.23%	\$21,527.50
2020-05	2	\$4,166.24	\$27,750.00	\$15,612.75	56.26%	\$13,698.53
		\$16,373.74	\$96,350.00	\$65,162.75	67.63%	\$31,187.25

### Aeration System Improvements (094612035)

- RETTEW is finalizing the design of the Aeration System Improvements to replace leaking air lines for the Biological System. We have presented the draft bid documents and are incorporating Staff comments. 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 November.

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

- A revised Plan of Study has been approved by the PA DEP and includes 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. Installation of the stream monitoring instruments will begin later this year.

### Ozone Disinfection for Effluent (094612023)

- We are finalizing the preliminary design and Water Quality Management Permit application for submission to the PA DEP by the end of this month for replacement of the existing UV system with new ozone disinfection. We conducted a design work session with Staff that resulted in a number of improvements and modifications to the proposed improvements for reliability and future flexibility.

### Anaerobic Digestion Project (094612026)

- RETTEW has prepared a proposal for the Preliminary Design and Permitting of the Biosolids Improvements.

### **High Voltage Switchgear and Cable Replacement**

- A recent inspection by the manufacturer has revealed a number of components that reached the end of life for the existing high voltage switchgear that feeds the Spring Creek Pollution Control Facility. These facilities were constructed in 1994 and very few modifications have occurred over the years and many components are now obsolete and unable to be readily replaced. We have begun the design of replacement gear, accounting for future expansion, as well as the replacement of a portion of the plant's underground electrical distribution system that dates from a similar period (~26 yrs. old).

### **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.

### **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**

- We anticipate installation of the panels to begin in November with steady construction through February on the Phase II Array.

### **Solar Phase II Demo & Fencing (094612040)**

- Notice to proceed was issued Monday, October 5th. The contractor has cleared most of the trees in preparation for the demolition of the abandoned house and barn.

## **6.8 Executive Director's Report**

### **Slab Cabin Run DEP Study**

DEP has been conducting a detailed study of Slab Cabin Run which is for two years. It will be interesting to see the data that they get as Slab Cabin Run is close to being a dry stream at the time being. If we would shut off our water, there would be no fish in the stream. Data has been shared with Cory and they asked questions specifically to times when the temperature in the stream has changed by two degrees or more in a single hour. When looking into this, it has been found that all temperature change events all happened on days that it rained. Stay tuned for more updates.

### **Projections**

A spreadsheet has been created that shows revenues coming in, reductions in operating expenses, etc. When adding the capital projects into this spreadsheet it shows an extremely good picture. It shows a reduction in operating expenses of just under one million dollars a year and a projection of additional revenue of just over one million dollars a year.

**7 Other Business**

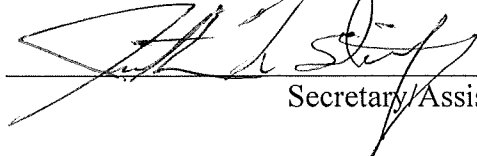
A motion was made by Mr. Dietz and second by Mr. Derr to break for an executive session at 4:49 pm.

**8 Adjournment**

The meeting came out of executive session and was adjourned at 5:10 p.m. via motion. Mr. Dietz moved, seconded by Mr. Auman. Motion passed.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



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Secretary/Assistant Secretary