

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

**Regular Meeting – December 16, 2020**

**1. Call to Order**

Mr. Lapinski, Chairman, called the meeting to order at 4:00 p.m., Wednesday, December 16, 2020. The meeting was held via Zoom with the following in attendance: Messrs. Auman, Daubert, Dempsey, Derr, Dietz, Guss, Lapinski and Miller; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Ben Burns, HRG Consulting Engineer; Jeff Garrigan, HRG Consulting Engineer; David Gaines, Solicitor; Jason Wert and Michele Aukerman, Rettew; Kevin Mullen; C-NET; Eric Brooks, State College Borough; and Denise Gembusia, Halfmoon Township Manager.

**2. Reading of the Minutes**

UAJA Regular Meeting – November 18, 2020

**UAJA Meeting  
Minutes Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve the minutes of the UAJA meeting held on November 18, 2020. The motion passed unanimously.

**3. Public Comment**

**3.1 Other items not on the agenda**

Mr. Mullen spoke to the board about being overbilled and has ten questions he would like answered.

**4. Old Business**

**4.1 Aeration Line Project Presentation**

The final design of the Aeration Line Replacement Project has been completed. The project will replace the leaking underground aeration lines with above ground aeration lines. A representative from Rettew will present an overview of the project.

**Recommendation: No action required.**

**4.2 Change Order #5 ENR/AWT Project Deduction of \$14,609.89**

Items Included in Change Order:

1. **Denitrification Filter Effluent Valve Actuators** – Contract Amount for reimbursement of Owner's actual costs associated with RETTEW and CS-21's time and expenses to correct the actuator settings due to lack of response by the manufacturer.  
Reduction in Contract Amount = \$5,304.20
2. **AWT Feed Pump Station** - Lower level of AWT Feed Pump Station does not drain to the floor drains. Contract Amount is a reduction due to diminished value for Owner's acceptance of defective work.  
Reduction in Contract Amount = \$5,000.00

3. **Microfiltration System** – Required Site Acceptance Test (SAT) results were not provided. As units have been in operation, item cannot be completed and Contract Amount is value of testing not provided to Owner.  
Reduction in Contract Amount = \$2,000.00
  
4. **AWT Building** - AWT clean-in-place (CIP) piping repairs due to programming error that led to line breakage. Credit for reimbursement of Owner’s costs associated with repair of the piping damaged as a result of malfunctioning valve actuator on the Microfilters.  
Reduction in Contract Amount = \$1,464.69
  
5. **UV System** – UV Power Supply from Xylem was paid for by UAJA but had failed during warranty period. Credit for reimbursement of Owner’s payment of invoice.  
Reduction in Contract Amount = \$841.00

**Reduction in Contract Amount = \$14,609.89**

**Recommendation: Approve Change Order No. 5 decreasing the contract amount by \$14,609.89.**

**Change Order  
No. 5 Approved**

A motion was made by Mr. Daubert, seconded by Mr. Guss to approve change order no. 5 decreasing the contract in the amount of \$14,609.89. The motion passed unanimously.

**5. New Business**

**5.1 Final Design: Grays Pointe Neighborhood- Phase 6, Section D.1**

Final design drawings for the Grays Pointe Neighborhood - Phase 6, Section D.1 sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 37 EDUs. The review comments have been addressed.

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

**Grays Pointe  
Neighborhood Ph 6  
Sec. D.1 Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve the final design for Grays Pointe Neighborhood Phase 6 Section D.1. The motion passed unanimously.

**5.2 Final Design: Grays Pointe Neighborhood- Phase 6, Section D.2**

Final design drawings for the Grays Pointe Neighborhood - Phase 6, Section D.2 sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 46 EDUs. The review comments have been addressed.

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

**Grays Pointe  
Neighborhood Ph 6  
Sec. D.1 Approved**

A motion was made by Mr. Guss, seconded by Mr. Derr, to approve the final design for Grays Pointe Neighborhood Phase 6 Section D.2. The motion passed unanimously.

**5.3 Requisitions**

BRIF #463

Rettew

\$6,869.00

Aeration Line Project

BRIF #464	Rettew Sludge Storage Tank Mixer Project	\$948.75
BRIF #465	Rettew Ozone Disinfection Project	\$23,794.55
BRIF #466	HRG Meeks Lane Special Study	\$1,414.50
BRIF #467	HRG Odor Control Engineering	\$646.56
BRIF #468	HRG Shiloh Road Pump Station Project	\$673.75
BRIF #469	HRG Harris Reuse Engineering	\$2,143.28
BRIF #470	Breon's, Inc. Generator & Transfer Switch	\$32,495.00
BRIF #471	Best Line Equipment JLG Scissor Lift	\$18,671.90
BRIF #472	Eby Paving Greenbriar Asphalt	\$487.43
BRIF #473	S&C Operations Harris Reuse Trucking	\$5,780.00
BRIF #474	Ducken Tree Farm Greenbriar Topsoil	\$3,186.00
BRIF #475	HRI, Inc. Pay App. #16 (ENR/AWT)	\$182,494.47
BRIF #476	Stone Valley Construction Pay App. #2 (Solar II Demo.)	\$69,695.10
BRIF #477	Mayer Electric Supply Co. Replacement VFDs for Plant	\$19,766.00
<b>TOTAL BRIF</b>		<b>\$369,066.29</b>

**BRIF  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman to approve BRIF #463, #464, #465, #466, #467, #468, #469, #470, #471, #472, #473, #474, #475, #476 and #477. The motion passed unanimously.

Revenue Fund #173	Debt Service, Operation and Maintenance Expenses	\$1,000,000
<b>TOTAL REVENUE FUND</b>		<b>\$1,000,000</b>

<p><b>Revenue Fund Approved</b></p>
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A motion was made by Mr. Dietz, seconded by Mr. Guss, to approve Revenue Fund #173. 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 2020 was reviewed with the Board by Jason Brown.

### 6.3 Chairman’s Report

Mr. Lapinski thanked Mr. Miller and Mr. Dietz for their services to the board and the community. Their terms are almost expired and we don’t yet know who will be in their seat for 2021.

### 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>Jun. 2020</u>	<u>Jul. 2020</u>	<u>Aug. 2020</u>	<u>Sep. 2020</u>	<u>Oct. 2020</u>	<u>Nov. 2020</u>
<b>Production</b>	1,213 cu/yds.	1,118 cu/yds.	866 cu/yds.	1,029 cu/yds.	892 cu/yds.	797 cu/yds.
<b>YTD. Production</b>	6,529 cu/yds.	7,647 cu/yds.	8,513 cu/yds.	9,542 cu/yds.	10,434 cu/yds.	11,231 cu/yds.
<b>Distribution</b>	1,164 cu/yds.	669 cu/yds.	656 cu/yds.	1,373 cu/yds.	3,152 cu/yds.	952 cu/yds.
<b>YTD. Distribution</b>	5,710 cu/yds.	6,379 cu/yds.	7,035 cu/yds.	8,408 cu/yds.	11,560 cu/yds.	12,512 cu/yds.
<b>Immediate Sale</b>	2,841 cu/yds.	3,387 cu/yds.	3,850 cu/yds.	2,824 cu/yds.	400 cu/yds.	892 cu/yds.
<b>Currently in Storage</b>	4,054 cu/yds.	4,505 cu/yds.	4,716 cu/yds.	3,853 cu/yds.	1,292 cu/yds.	1,689 cu/yds.

#### SEPTAGE OPERATIONS

	<u>Jun. 2020</u>	<u>Jul. 2020</u>	<u>Aug. 2020</u>	<u>Sep. 2020</u>	<u>Oct. 2020</u>	<u>Nov. 2020</u>
<b>Res./Comm.</b>	23,425 gals.	69,373 gals.	68,347 gals.	68,921 gals.	77,450 gals.	68,500 gals.

<b>CH/Potter</b>	4,174.17 lbs/solids	4,036.56 lbs/solids	3,932.31 lbs/solids	3,448.91 lbs/solids	2,602.08 lbs/solids	3,794.70 lbs/solids
<b>Port Matilda</b>	1,417.80 lbs/solids	1,000.80 lbs/solids	617.16 lbs/solids	1,451.16 lbs/solids	1,517.88 lbs/solids	1,367.76 lbs/solids
<b>Huston Twp.</b>	517.08 lbs/solids	433.68 lbs/solids	567.12 lbs/solids	550.44 lbs/solids	300.24 lbs/solids	1,000.80 lbs/solids
<b>Total Flow</b>	75,925 gals.	123,373 gals.	106,347 gals.	112,921 gals.	114,950 gals.	123,000 gals.

**Plant Operation**

The treatment plant is operating well with no exceptions for the month of November 2020. The 12-month rolling average flow for November was 3.05mgd with the average for the month being 2.58mgd. The average monthly **influent** flow was 4.62mgd.

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:

	Oct.-20	YTD	Plant Effl. Temp	Wetland Effl. Temp.
<b>Best Western</b>	<b>18,000</b>	<b>214,000</b>		
<b>Centre Hills</b>	<b>657,000</b>	<b>32,626,000</b>	<b>Nov.-20</b>	<b>Nov.-20</b>
<b>Cintas</b>	<b>492,000</b>	<b>5,479,000</b>	<b>63.8</b>	<b>61.2</b>
<b>Red Line</b>	<b>313,000</b>	<b>3,883,000</b>		
<b>UAJA Wetland</b>	<b>2,298,000</b>	<b>27,606,000</b>		
<b>GDK Vault</b>	<b>56,870,000</b>	<b>420,590,000</b>		
<b>Kissingers</b>	<b>1,723,000</b>	<b>19,834,000</b>		
<b>Stewarts/M.C.</b>	<b>1,000</b>	<b>59,800</b>		
<b>TOTAL</b>	<b>62,372,600</b>	<b>510,291,800</b>		

**Plant Maintenance**

- Assisted Schneider Electric on repairs (warranty) on VFD's at the Main Station.
- Replaced diaphragm on #10 Primary Pump.
- Worked on Utility Pumps replacement and alignment.
- Repaired several water leaks in Compost.
- Repaired exterior lighting at Compost.
- Cleaned solids from under long belt.
- Repaired polymer system door hinges.
- Pulled centrifuge covers for inspection.
- Ran conduit for solenoid between MF's and RO Feed tanks.
- Worked on installing catwalks between MF units.
- Cleaned temp probes at the wetlands.
- Work has begun on solar field.

**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 (890 ft) of lateral pipe – (4) homes hooked up to new system.

Harris Reuse Project – Installed (1,800 ft) of 12” main.

New Lateral Installation – 850 Toftrees Ave (The View).

Main Line Televising – 245ft televised - 2 manholes inspected.

Equipment maintenance.

**Lift Station Maintenance:**

Replaced control board on generator at Big Hollow station.

Cleaned (5) lift station wet wells.

Routine Maintenance.

**Next Month Projects:**

Complete Greenbriar project.

Complete Harris Reuse project.

Cleaning wet wells.

Repair Lateral’s at 111 E. Cherry and 636 Wayland Place.

**Inspection:**

Final As-Builts Approved:

None

**Mainline Construction:**

a. Harner Farms – Construction is approximately (25%) complete.

b. Rocky Ridge Phase 5 – Awaiting As-Builts.

c. Grays Pointe phase 6 Section C – Construction is approximately (10%) complete.

**New Connections:**

a. Single-Family Residential	9	c. Commercial	0
b. Multi-Family Residential	0	d. Non-Residential	0

**TOTAL 9**

PA One-Calls Responded to 11/1-30/20: 214

**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 (R001178.0676)**

No changes are proposed for the 2021 Retainer Services.

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

- Contract No. 17-04: Electrical Construction (Hayden Power Group) has been completing punch list items. A final completion inspection will be conducted when the Contractor indicates that all items are complete.
- Contract No. 17-03: Responses to the complaint are being coordinated.
- The motor bearings for Exhaust Fan No. 2 have failed. The replacement/repair is being coordinated with the Contractor under the 1-year

correction period.

**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) has completed the conventional bore crossing of SR 0322 near the Centre Hills Booster Station. The carrier pipe was delivered and installed this week. The Contractor is installing the pipe to connect to work completed by the UAJA construction crew. Testing is scheduled for December 10<sup>th</sup>.
- 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. The only outstanding punch list items are administrative documents. Replacement pipe was delivered to the UAJA.
- Change Proposals:
  - **Contract 2020-02:** Ligonier requested a 45 day increase in the Contract Times from the date when the pipe is manufactured. The Contractor has been advised to substantiate the request with discrete times.
- Substantial Completion Dates:
  - Contract 2020-02      October 21, 2020 (notification of time extension request)
  - Contract 2020-03      Substantially Complete

Applications for Payment 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
2020-02	-	\$-	\$303,000.00	\$180,450.00	59.5%	\$131,572.50
2020-03	-	\$-	\$392,861.06	\$392,861.06	100%	\$24,000.00

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

- Field survey is being completed.

**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)**

- Deed research has been completed and field survey will commence in December.

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

- Field survey is scheduled for December, 2020.

**Developer Plan Reviews:**

- The Contractor’s (GOH/Hawbaker Engineering) as-built drawings for sanitary sewer

replacements associated with the PennDOT work in North Atherton Street were reviewed and returned for corrections; October 30, 2020 (1178.0686).

- The Developer’s design drawings for Grays Pointe, Phase 6, Section D-1 were recommended to Staff; November 23, 2020 (1178.0689).
- The Developer’s design drawings for Grays Pointe, Phase 6, Section D-2 were recommended to Staff; November 30, 2020 (1178.0689).

## 6.7 Construction Report

### ENR/AWT Upgrade Project (094612009)

- The contractor for Contract UAJA 2017-06 (HRI) has completed several of the punchlist and warranty items, however, the Authority was forced to correct a number of items or has decided to accept defective work for a diminished value. We have prepared Change Order No. 5 for a decrease in the Contract Price in the amount of \$14,609.89 for the Owner’s acceptance of defective work or costs associated with the correction of defective work. A copy of the Change Order is attached to our Report.
- The Contractor has agreed to complete or replace additional defective work that has been identified. We are recommending the Authority retain \$83,500.94 for these items.
- With this change order and retainage amount, we are recommending payment and reduction of retainage to HRI, Inc. (Application for Payment No. 16) in the amount of \$182,494.47.

### 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 has arrived, and installation of the remaining wiring is currently underway.

#### 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	\$57,050.00	83.16%	\$14,402.50
2020-05			\$27,750.00	\$15,612.75	56.26%	\$13,698.53
		\$0.00	\$96,350.00	\$72,662.75	75.42%	\$23,687.25

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

- Application for Payment No. 2 has been submitted by Stone Valley Construction (Contract No. 2020- 10) and we are recommending payment in the amount of \$69,695.10.

#### 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
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2020-10	2	\$69,695.10	\$265,908.00	\$167,039.00	62.82%	\$115,572.90
		\$69,695.10	\$265,908.00	\$167,039.00	62.82%	\$115,572.90

- Installation of the support structures for the solar array began the week of November 30<sup>th</sup>.

**Aeration System Improvements (094612035)**

- Project is currently out to bid on the PennBid website. Bids will be received January 12<sup>th</sup> and presented to the board at the January meeting. We will provide a brief project overview to the Board during the meeting.

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

- Installation of the stream monitoring instruments will begin over the next two months, 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 has begun the preliminary design of the proposed Biosolids Improvement project and will be working with staff over the next few months to prepare this design for review and approval.

**High Voltage Switchgear and Cable Replacement**

- We have begun the design of replacement the obsolete high voltage switchgear, 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). Bidding documents will be ready in January with construction slated for 2021.

**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 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**

**Update on Bond Issue**

There are several documents that still need to be signed. Pricing was really good for an average rate of 1.77%.

**Covid-19**

UAJA has had some intermittent employees who had taken time off due to exposure or testing positive. All work is getting done and we are currently in good shape.

**7 Other Business**

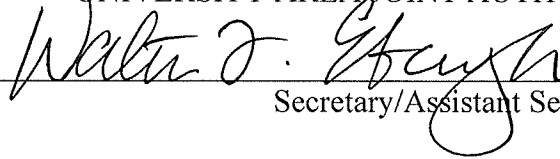
None.

**8 Adjournment**

The meeting was adjourned at 4:39 p.m. via motion by Mr. Derr.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

A handwritten signature in cursive script, appearing to read "Walter J. Gough", is written over a horizontal line.

Secretary/Assistant Secretary