

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

Regular Meeting – August 18, 2021

1. Call to Order

Mr. Lapinski, Chair, called the meeting to order at 4:03 p.m., Wednesday, August 18, 2021. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Auman, Dempsey, Guss, Miller; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Jennifer Grove, Administrative Assistant; Michele Aukerman, Rettew; Jason Wert, Rettew; David Gaines, Solicitor; C-NET; Jeff Garrigan, HRG Consulting Engineer. Those in attendance via Zoom were: Messrs. Daubert, Derr, Nucciarone; Ben Burns, HRG Consulting Engineer; Corey Rilk, COG Planning; Kevin Mullen; Timothy Leventry; Tom Songer; Tommy Songer; Janet; Rick; and Anthony.

2. Reading of the Minutes

UAJA Regular Meeting – July 21, 2021

UAJA Meeting Minutes Approved

A motion was made by Mr. Miller, second by Mr. Guss, to approve the minutes of the UAJA meeting held on July 21, 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 or six years and is requesting a refund in the amount of \$2,000 plus interest.

4. Old Business

4.1 Contract 2021-03 Scott Road Pump Station General Contract

Bids were received through Pennbid for Contract 2021-03. Six bids were received. Nastase Construction is the low bid. The bid tabulation is included in the Engineer's Report, page 33 of the Agenda Report.

Recommendation: Award Contract 2021-03 to Nastase Construction in the amount of \$476,703.00.

Contract 2021-03 Scott Road Pump Station General Contract Awarded

A motion was made by Mr. Guss, second by Mr. Auman to award contract 2021-03 to Nastase Construction in the amount of \$476,703.00. The motion passed unanimously.

4.2 Contract 2021-04 Scott Road Pump Station Electrical Contract

Bids were received through Pennbid for Contract 2021-04. Seven bids were received. Westmoreland Electric Services is the low bid. The bid tabulation is included in the Engineer's Report, page 33 of the Agenda Report.

Recommendation: Award Contract 2021-04 to Westmoreland Electric Services in the amount of \$244,500.00.

**Contract 2021-04
Scott Road Pump
Station Electrical
Contract Awarded**

A motion was made by Mr. Dempsey, second by Mr. Miller to award contract 2021-04 to Westmoreland Electric Services in the amount of \$244,500.00. The motion passed unanimously.

5. New Business

5.1 Final Design: Aspen Heights Squirrel Drive

Final design drawings for the Aspen Heights Squirrel Drive sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve and additional 126.5 EDUs for a total of 272 EDUs. The review comments have been addressed.

Recommendation: Approve the drawings as submitted.

**Drawings approved
as submitted for
Aspen Heights
Squirrel Drive**

A motion was made by Mr. Derr, second by Mr. Daubert to approve the drawings as submitted for Aspen Heights Squirrel Drive. The motion passed unanimously.

5.2 Requisitions

BRIF #580	HRG Whitehall Road Project	\$4,840.00
BRIF #581	HRG Fiber Optic Conduits	\$2,742.50
BRIF #582	HRG Scott Road Pump Station Project	\$4,885.00
BRIF #583	HRG Odor Control Air Quality Plan	\$961.09
BRIF #584	Rettew Sludge Storage Tank Project	\$145.50
BRIF #585	Rettew AWT Instrumentation	\$2,875.00
BRIF #586	Rettew Switchgear Replacement Project	\$5,136.90
BRIF #587	Rettew Phosphorus Study	\$4,503.10
BRIF #588	Strouse Electric Scott Road Pump Station Service	\$2,821.00

BRIF #589	Mid-State Paving Trench Paving	\$26,046.52
BRIF #590	Thoroughbred Construction Pay App. No. 3- Switchgear Project	\$135,035.44
TOTAL BRIF		\$189,992.05

**BRIF
Approved**

A motion was made by Mr. Derr, second by Mr. Dempsey to approve BRIF #580, #581, #582, #583, #584, #585, #586, #587, #588, #589 and #590 in the amount of \$189,992.05. The motion passed unanimously.

Construction Fund #011	Rettew Aeration Line Project	\$1,260.00
Construction Fund #012	Rettew Ozone Disinfection Project	\$24,978.50
Construction Fund #013	Rettew Biosolids Upgrade Project	\$24,843.39
Construction Fund #014	HRI Pay App. No. 5- Aeration Line Project	\$25,840.46
Construction Fund #015	G.M. McCrossin Pay App. No. 2- Aeration Line Project	\$406,356.84
TOTAL 2020 A CONSTRUCTION FUND		\$483,279.19

**Construction Fund
Approved**

A motion was made by Mr. Guss, second by Mr. Nucciarone to approve Construction Fund #011, #012, #013, #014 and #015 in the amount of \$483,279.19. The motion passed unanimously.

Revenue Fund #180	Debt Service, Operation and Maintenance Expenses	\$1,000,000
TOTAL REVENUE FUND		\$1,000,000

**Revenue Fund
Approved**

A motion was made by Mr. Nucciarone, second by Mr. Derr to approve Revenue Fund #180 in the amount of \$1,000,000. 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, 2021, were reviewed with the Board by Jason Brown.

6.3 Chairman’s Report

Mr. Lapinski wished to establish a small sub-committee of four board members in conjunction with the rate study. He mentioned as a board it is important to study what you are doing. Mr. Lapinski asked Mr. Dempsey if he would be interested in being the chair or lead due to his experience and background on how the rate has been established over time.

<p>Rate Study Committee Formed</p>

A motion was made by Mr. Miller, second by Mr. Auman to form a rate study committee consisting of Mr. Dempsey, Mr. Kunkle, Mr. Guss and Mr. Nucciarone. The motion passed unanimously.

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. 2021</u>	<u>Mar. 2021</u>	<u>Apr. 2021</u>	<u>May 2021</u>	<u>June 2021</u>	<u>July 2021</u>
Production	673 cu/yds.	897 cu/yds.	848 cu/yds.	847 cu/yds.	878 cu/yds.	913 cu/yds.
YTD. Production	1,389 cu/yds.	2,286cu/yds.	3,134 cu/yds.	3,981cu/yds.	4,859 cu/yds.	5,772 cu/yds.
Distribution	11 cu/yds.	978 cu/yds.	963cu/yds.	2,132cu/yds.	1,442cu/yds.	731cu/yds.
YTD. Distribution	131 cu/yds.	1,109 cu/yds.	2,072cu/yds.	4,204cu/yds.	5,646 cu/yds.	6,377 cu/yds.
Immediate Sale	3,117 cu/yds.	2,812 cu/yds.	2,746 cu/yds.	1,462cu/yds.	867cu/yds.	1,014cu/yds.
Currently in Storage	3,790 cu/yds.	3,709 cu/yds.	3,594 cu/yds.	2,309 cu/yds.	1,745 cu/yds.	1,927 cu/yds.

SEPTAGE OPERATIONS

	<u>Feb. 2021</u>	<u>Mar. 2021</u>	<u>Apr. 2021</u>	<u>May 2021</u>	<u>June 2021</u>	<u>July 2021</u>
Res./Comm.	57,530 gals.	71,300 gals.	74,400 gals.	69,800 gals.	68,700 gals.	40,000 gals.
CH/Potter	3,923.97 lbs./solids	2,777.22 lbs./solids	0.00 lbs./solids	0.00 lbs./solids	1,517.88 lbs./solids	0.00 lbs./solids
Port Matilda	1,434.48 lbs./solids	1,684.68 lbs./solids	500.40 lbs./solids	1,434.48 lbs./solids	1,200.96 lbs./solids	1,951.56 lbs./solids
Huston Twp.	617.16 lbs./solids	533.76 lbs./solids	600.48 lbs./solids	683.88 lbs./solids	500.40 lbs./solids	467.04 lbs./solids
Total Flow	114,030 gals.	113,800 gals.	88,400 gals.	95,800 gals.	105,500 gals.	66,000 gals.

Plant Operation

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for July was 3.20mgd with the average for the month being 2.69mgd. The average monthly **influent** flow was 4.64mgd.

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:

	July-21	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	38,000	180,000		
Centre Hills	5,464,000	16,376,000	July-21	July-21
Cintas	476,000	3,362,000	70.1	72.0
Red Line	368,000	3,666,000		
UAJA Wetland	5,878,000	31,063,000		
GDK Vault	42,561,000	192,961,000		
Elks	1,018,000	1,891,000		
Kissingers	1,961,000	13,695,000		
Stewarts/M.C.	12,400	28,400		
TOTAL	57,776,000	263,222,400		

Plant Maintenance

- Installed LED lighting in the Collections, Inspectors, and IT offices.
- Cleaned the influent channel at Headworks. Removed two loads of grit.
- Installed exhaust fan in the Maintenance Bldg.
- Performed routine maintenance on Secondary Clarifier #2. The rubber skimmers and weir brushes were replaced. The bridge was also serviced along with painting of the concrete.
- RAM Industrial Services removed #1 pump at the Main Station for warranty repairs.
- Odor Control Fan #3 failed. The fan assembly has been sent back to the factory in Canada for repair and should be returned by mid-August.
- Replaced belly pan on short belt at Dewatering.
- Replaced seal and packing housing in AWT BWS Pump 103A.
- RETTEW replaced and programmed a new input card at GDK Wetlands. They also modified the controls at the Booster Station with the new pipeline coming online.

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:

Mainline repair – 107 Butternut St, 135 West Chestnut St and 18 Hampton Ct.

Main Line Televising – 7,354 ft televised - 60 manholes inspected.

Lateral repairs – 832 Pike St and 18 Hampton Ct.

Mainline Cleaning – 26,127 ft cleaned – 132 manholes inspected.

Casting repairs – (16)

Brushed mainline R.O.W

Lift Station Maintenance:

Cleaned (7) lift station wet wells.
Routine Maintenance.

Next Month Projects:

Casting adjustments for Township paving projects.
Cleaning wet wells.
Start the Scott Road upgrade project.
Mainline flushing.

Inspection: Final As-Builts Approved: None

Mainline Construction:

- a. Canterbury Crossing 4&5 phase 1C – Awaiting As-Builts.
- b. Hawk Ridge – Awaiting As-Builts.

New Connections:

a. Single-Family Residential	8	c. Commercial	0
b. Multi-Family Residential	0	d. Non-Residential	0
TOTAL			8

PA One-Calls Responded to 07/1-31/21: 347

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.
- The installation of upgraded meters is being coordinated at the North and South meter chambers.

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) – The Contractor completed the final punch list item (restoration) and will be submitting a final application for payment (\$3,000.00).

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.
- The proposed gravity alignment from west Patton Township was identified to be potential habitat for the Spade Food Toad. An ecological study will need to be completed. HRG is coordinating with Skelly and Loy to complete the study for \$5,300.00.
- The proposed force main alignment along passed Lowe's is within limited access right-of-way, which

will require PennDOT central office 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.

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

- Bids were received on August 11th at 2 PM and a summary of the bid results are attached. The bids were higher than originally estimated but appear to be consistent with the current bidding environment. Based on the bids submitted, it is recommended that the Authority issue notices of intent to award to:
 - Contract 2021-03: General Construction – Nastase Construction: \$476,703.00
 - Contract 2021-04: Electrical Construction – Westmoreland Electrical Services, LLC: \$244,500.00
- HRG attending the Ferguson Township Zoning Hearing Board with the Authority’s solicitor to provide comments and answer questions on the project. The Board approved the variance requests, and the following permits were then issued: Zoning Permit, Lighting Permit, Road Open-Cut Permit.
- The Building Permit submission is being coordinated.
- An amendment to the NPDES Permit was submitted to account for alignment changes along Bristol Avenue. This application is pending review.
- A budgetary cost was obtained from C&R Directional Boring to install the two road crossings (Whitehall Road and Bristol Avenue) using horizontal directional drilling. The estimated cost is \$16,000-\$18,000/crossing.

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)

- A preliminary right-of-way exhibit was provided to the Authority’s solicitor to begin discussions with the property owner.
- Relocation of the utility poles is being coordinated with First Energy, which will require evidence of a right-of-way or an acknowledgement signature from the property owner.
- 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 will be considered for adoption at the Ferguson Township meeting on September 7th.
- The PennDOT Highway Occupancy Permit was issued.

Princeton Drive Sanitary Sewer Replacement – (R001178.0699)

- Authority staff met with Ferguson Township and resolved that the sewer line could be relocated to the edge of the stream bed. A preliminary alignment was prepared and submitted to the Township for concurrence. The Township is reviewing the relocated alignment with their arborist before approving the 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 compile and work is progressing to prepare the study and the update.

Developer Plan Reviews

- There were no Developer Plan review activities this past month.

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. HRI has indicated that they will provide a timeline and resolution plan shortly.

Aeration Line Improvements (094612035)

- Construction continues with both contractors, GM McCrossin (2020-08) and HRI (2020-09). The new mixers have been installed in the Secondary Clarifier splitter box and the new site entrance lighting is in progress.

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	\$57,722.28	11.29%	\$463,178.37
2020-09	5	\$25,840.46	\$108,302.06	\$70,102.06	64.73%	\$41,705.10
		\$25,840.46	\$619,398.06	\$127,824.34	20.64%	\$491,573.72

- HRI, Inc. (2020-09) has submitted Application for Payment No. 5 and we are recommending payment in the amount of \$25,840.46.
- 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.

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

- The Contractor has repaired the storm damage that occurred to the vinyl fence gate at the beginning of the month.

Solar System – Phase II Project

- The second phase of the solar array is now partially operational and generating about 70 – 75% of the array’s capacity until West Penn Power completes the improvements on their end, which should be finished by the end of August. A shutdown at the plant for replacement of the fuses is scheduled for around August 24th.

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)

- RETTEW is completing final design activities and is targeting an early fall request for bids for the

project, pending approval of the Act 537 Special Study and issuance of the Water Quality Management Permit by the DEP.

Anaerobic Digestion Project (094612026)

- The Act 537 Special Study for Biosolids is working its way through review by the Centre Region municipalities.
- 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 will begin requesting bids later this fall.

High Voltage Switchgear Replacement (094612045)

- Thoroughbred Construction Group (2020-11) has completed the installation of the new electrical ductbanks and will begin pulling the new medium-voltage cabling at the end of August. The concrete pad for the new switchgear has been completed and the new gear is now expected to arrive on August 26th.
- Thoroughbred has submitted Application for Payment No. 3 and we are recommending payment in the amount of \$135,035.44.

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	3	\$135,035.44	\$1,121,436.21	\$511,204.38	45.58%	\$661,352.27
		\$135,035.44	\$1,121,436.21	\$511,204.38	45.58%	\$661,352.27

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

Solar Array

A press conference will be held on September 1, 2021, to unveil both solar arrays.

Solar Array: Sheep

Sheep will be “mowing” the grass in the solar field in another week or two. UAJA is working with LynnLee farms to make sure everything is set so they can move the sheep in. A few minor details still need to be worked out.

Wetland Permit

UAJA has been trying to negotiate a settlement for the wetland permit involving Kissinger Meadow. The Fish and Boat Commission and DEP are ready to present what they want to UAJA. This is happening the second week of September and UAJA is hoping to get this resolved.

7 Other Business

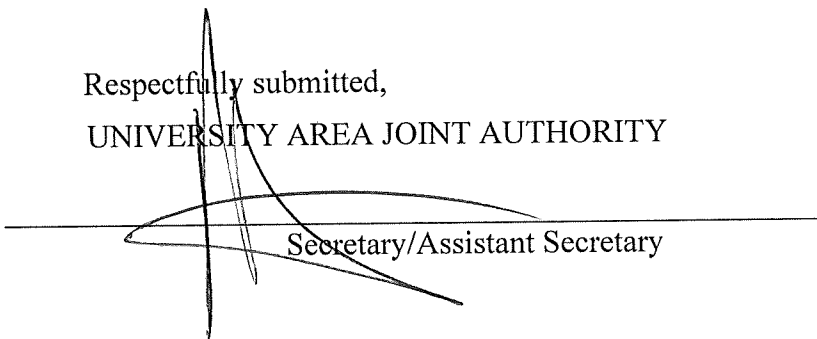
None

8 Adjournment

The meeting was adjourned at 4:41 p.m. via motion by Mr. Nucciarone and second by Mr. Derr.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary