

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

Regular Meeting – June 16, 2021

1. Call to Order

Mr. Lapinski, Chair, called the meeting to order at 4:00 p.m., Wednesday, June 16, 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, Kunkle, Miller; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Michele Aukerman, Rettew; Jason Wert, Rettew; David Gaines, Solicitor; C-NET; Cynthia Hahn, C-NET Executive Director; Ben Burns, HRG Consulting Engineer; Jeff Garrigan, HRG Consulting Engineer; and Jennifer Grove, Administrative Assistant. Those in attendance via Zoom were: Messrs. Daubert, Nucciarone; Kevin Mullen; and Corey Rilk, COG Planning.

2. Reading of the Minutes

UAJA Regular Meeting – May 19, 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 May 19, 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 in the amount of \$2,000.

4. Old Business

4.1 Purchase of Vactor Sewer Cleaner

Staff proposes to purchase a 2100i Vactor Sewer Cleaner with Hydrostatic Vacuum System Truck for \$471,541.44 from A&H Equipment. The price includes a trade in value of \$45,000.00 for our existing sewer cleaner. The equipment is under the State contract, so no bids are required. UAJA has over 20 years of experience with our current sewer cleaner, as well as an inventory of parts and equipment that matches the new cleaner.

Recommendation: Purchase the sewer cleaner from A&H Equipment for \$471,541.44, including a credit of \$45,000 for the existing sewer cleaner.

**Purchase of Vactor
Sewer Cleaner
Approved**

A motion was made by Mr. Guss, second by Mr. Auman for purchase of a Vactor Sewer Cleaner in the amount of \$471,541.44 from A&H Equipment. The motion passed unanimously.

5. New Business

***The meeting agenda for New Business was adjusted to add a presentation of the 2020 Annual Report from C-NET to 5.1 at the chairman’s discretion. This moved the current new business order down one.**

5.1 C-NET 2020 Annual Report

A presentation of the C-NET 2020 Annual Report was given by Cynthia Hahn, Executive Director. Ms. Hahn spoke of virtual meetings becoming the norm in 2020 and the many changes that have occurred due to Covid with C-NET.

5.2 2020 Summation of Capacity Report Presentation

Each year after the Chapter 94 Report is approved, RETTEW updates the Summation of Capacity Report. The Summation of Capacity Report provides much more detail and adds effluent hydraulic capacity and nutrient capacity to the analysis. It is an important document for both UAJA and the Centre Region Municipalities for tracking the allocation of capacity and being aware of what is the limiting factor to capacity, as well as what potential threats exist to the capacity.

A representative of RETTEW will present a summary of the report.

Recommendation: Presentation, no action required.

Mr. Lapinski asked for the 2020 Summation of Capacity Report Presentation be posted with the minutes on the web and be made available for the public.

5.3 Residential Solar Pilot Project

UAJA continues to work through the remaining legal issues for the residential solar pilot project. It is apparent that it may take a long time, possibly a year, to resolve the issues, which may require legislative action. Therefore, staff recommends notifying all of the property owners that have expressed interest that it may be a long time before we solve the problem, and that they may want to consider more traditional financing options.

Recommendation: Instruct staff to notify property owners of the legal delay and the possible need for legislative action.

5.4 Requisitions

BRIF #560	Rettew Phosphorus Study	\$2,521.79
BRIF #561	Rettew AWT Control Panel Upgrade	\$22,469.97
BRIF #562	Rettew Switchgear Replacement Project	\$7,032.25
BRIF #563	Rettew AWT Instrumentation	\$6,718.92
BRIF #564	Rettew Sludge Storage Tank Project	\$1,567.50

BRIF #565	HRG Entry Road Project	\$2,009.31
BRIF #566	Mayer Electric Supply Co. Conduit Project	\$1,962.41
BRIF #567	Siteone Landscape Supply Conduit Project	\$980.43
BRIF #568	Glossner’s Concrete Shiloh Pump Station Upgrade	\$1,195.00
BRIF #569	Stone Valley Construction Pay App. No. 5- Solar Phase II	\$26,590.80
BRIF #570	Thoroughbred Construction Pay App. No. 1- Switchgear Project	\$150,318.00
TOTAL BRIF		\$223,366.38

**BRIF
Approved**

A motion was made by Mr. Kunkle, second by Mr. Dempsey to approve BRIF #560, #561, #562, #563, #564, #565, #566, #567, #568, #569 and #570 in the amount of \$223,366.38. The motion passed unanimously.

Construction Fund #005	HRI Pay App. No. 3- Aeration Line Project	\$22,950.00
Construction Fund #006	G.M. McCrossin Pay App. No. 1- Aeration Line Project	\$47,917.63
Construction Fund #007	Rettew Aeration Line Project	\$2,140.00
Construction Fund #008	Rettew Biosolids Upgrade Project	\$36,864.99
Construction Fund #009	Rettew Ozone Disinfection Project	\$36,258.25
TOTAL 2020 A CONSTRUCTION FUND		\$146,130.87

**Construction Fund
Approved**

A motion was made by Mr. Nucciarone, second by Mr. Auman to approve Construction Fund #005, #006, #007, #008 and #009 in the amount of \$146,130.87. The motion passed unanimously.

Revenue Fund #178	Debt Service, Operation and Maintenance Expenses	\$1,000,000
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TOTAL REVENUE FUND

\$1,000,000

<p>Revenue Fund Approved</p>

A motion was made by Mr. Auman, second by Mr. Nucciarone to approve Revenue Fund #178 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 May 31, 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>Dec. 2020</u>	<u>Jan. 2021</u>	<u>Feb. 2021</u>	<u>Mar. 2021</u>	<u>Apr. 2021</u>	<u>May 2021</u>
Production	848 cu/yds.	716 cu/yds.	673 cu/yds.	897 cu/yds.	848 cu/yds.	1,004 cu/yds.
YTD. Production	12,079 cu/yds.	716 cu/yds.	1,389 cu/yds.	2,286cu/yds.	3,134 cu/yds.	4,138cu/yds.
Distribution	0 cu/yds.	120cu/yds.	11 cu/yds.	978 cu/yds.	963cu/yds.	2,132cu/yds.
YTD. Distribution	12,512 cu/yds.	120 cu/yds.	131 cu/yds.	1,109 cu/yds.	2,072cu/yds.	4,204cu/yds.
Immediate Sale	1,684 cu/yds.	2,412 cu/yds.	3,117 cu/yds.	2,812 cu/yds.	2,746 cu/yds.	1,462cu/yds.
Currently in Storage	2,532 cu/yds.	3,128 cu/yds.	3,790 cu/yds.	3,709 cu/yds.	3,594 cu/yds.	2,466 cu/yds.

SEPTAGE OPERATIONS

	<u>Dec. 2020</u>	<u>Jan. 2021</u>	<u>Feb. 2021</u>	<u>Mar. 2021</u>	<u>Apr. 2021</u>	<u>May 2021</u>
Res./Comm.	78,350 gals.	55,000 gals.	57,530 gals.	71,300 gals.	74,400 gals.	69,800 gals.
CH/Potter	5,041.53 lbs/solids	5,421.00 lbs/solids	3,923.97 lbs/solids	2,777.22 lbs/solids	0.00 lbs/solids	0.00 lbs/solids
Port Matilda	1,601.28 lbs/solids	834.00 lbs/solids	1,434.48 lbs/solids	1,684.68 lbs/solids	500.40 lbs/solids	1,434.48 lbs/solids
Huston Twp.	733.92 lbs/solids	717.24 lbs/solids	617.16 lbs/solids	533.76 lbs/solids	600.48 lbs/solids	683.88 lbs/solids
Total Flow	133,250 gals.	116,000 gals.	114,030gals.	113,800 gals.	88,400 gals.	95,800 gals.

Plant Operation

The treatment plant is operating well with one exception. The 12-month rolling average flow for May was 3.22mgd with the average for the month being 3.09mgd. The average monthly influent flow was 4.87mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	May-21	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	30,000	108,000		
Centre Hills	4,685,000	5,875,000	May-21	May-21
Cintas	482,000	2,343,000	62.4	62.1
Red Line	616,000	2,819,000		
UAJA Wetland	5,486,000	19,648,000		
GDK Vault	33,534,000	112,060,000		
Kissingers	1,879,000	9,843,000		
Stewarts/M.C.	2,000	12,000		
TOTAL	46,714,000	152,708,000		

Plant Maintenance

- Replaced wiring for limit switches on all 6 primary tanks. All were tested.
- Changed oil in #2 Primary air compressor.
- Re-installed Landia mixers in #2 Aeration basin.
- Bearing is noisy in Main Station Pump #1. RAM was in to inspect and replace bearing under warranty.
- Repaired lighting and conduit that was damaged in bunker of Compost (corrosion).
- Replaced hydraulic hose on 621E loader.
- Replaced faulty thermal couplers in zones 8C, 9D, and 10D.
- Made an entry into Primary tank #5 to clean out duck-bills on aeration lines.
- CIP on both RO's.
- Replaced fuel pump and filter on 98 service truck.

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:

Shiloh Pump Station Project – Installed fence, poured concrete curb, started restoration.
 Conduit Project – 2,904 ft of conduit, 23,550 ft of interduct, and 23 pull boxes were installed.
 Completed restoration at the Solar fields project.
 Installed new lateral at – 743 Henszey street.
 Mainline repair – 262 Dale street.
 Main Line Televising – 5,724 ft televised - 32 manholes inspected.
 Mainline Cleaning – 1,996 ft cleaned – 13 manholes inspected.

Lift Station Maintenance:

Replaced transducer at Outer drive station.
 Replaced off float at Haymarket station.
 Replaced contact and relay at Persia station.

Cleaned (8) lift station wet wells.

Next Month Projects:

- Complete the Shiloh Rd. pump station upgrade project.
- Complete phase 1 of the conduit project.
- Casting adjustments for Township paving projects.
- Cleaning wet wells.
- Start the Scott Road upgrade project.

Inspection: Final As-Builts Approved: None

Mainline Construction:

- a. Harner Farms – Awaiting As-Builts.
- b. Grays Pointe phase 6 sec D.1 – Construction is approximately (80%) complete.
- c. Canterbury Crossing 4&5 phase 1C – Construction is approximately (80%) complete.

New Connections:

a. Single-Family Residential	5	c. Commercial	0
b. Multi-Family Residential	0	d. Non-Residential	0
		TOTAL	5

PA One-Calls Responded to 05/1-31/21: 394

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)

- The annual inspection was completed for discharges of stormwater.

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 is being compiled as required by DEP to transition from an air quality plan approval to an operating permit.
- It has been discovered that the spare recirculation pump was returned to Global Heavy and not to the site. The return of the pump is being coordinated by the Authority’s solicitor.

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. The Contractor is scheduled to complete the restoration requirements on June 12th.

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

- Final design and contract documents have been prepared.
- Ferguson Township provided review comments to the Zoning Permit submission. A variance requested will need to be made to be presented to the Zoning Hearing Board. The request must be submitted by the fourth Monday of June to be heard on the fourth Tuesday of July.
- The NPDES permit was submitted.
- Proposed Easement Exhibits have been prepared and were provided to the Authority’s solicitor.

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

- A meeting with staff to establish project goals, discuss updates to the plan and develop a schedule for coordinate with Centre Region Planning Agency is scheduled for June 16th.

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)

- Columbia Gas provided a letter of no objection which was executed by the Authority for encroachment in the right-of-way near Premier Drive. An easement exhibit was prepared and provided to the Authority's solicitor.
- Drawings are being prepared for the second fiber optic conduit alignment (Trout Road to Hartman Farm Lane to Short Lane, near SR 0026).

Entry Road Storm Water Improvements – (R001178.0688)

- Permit applications have been prepared and submitted.
- 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.

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

- Preliminary design drawings have been prepared. The system is proposed as two zones, consisting of 1.5 inch and 2-inch diameter low pressure sewer.
- A Component 3M Sewage Facilities Planning Module is being prepared.

Princeton Drive Sanitary Sewer Replacement – (R001178.0699)

- Sanitary sewer profiles were generated using field data and proposed drawings provided by Ferguson Township's consultant. The proposed stream restoration improvements will remove any available cover on the existing sanitary line. As discussed, the sanitary line will need to be replaced at a lower slope in order to gain appropriate cover.
- Replacement of the sewer will require separate permitting, involving a GP-5 or GP-11.
- An engineering services agreement will be prepared.

Developer Plan Reviews

- The Contractor's (GOH/Hawbaker Eng) as-built drawings for sanitary system associated with the PennDOT work in North Atherton St. was recommended to Staff; May 11, 2021 (1178.0686).
- There are no Developer plans under review at this time.

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)

- Final closeout document packages have been issued to 4-M Construction Services LLC (2020-01) and Stelco, Inc. (2020-05) under separate cover.

Aeration Line Improvements (094612035)

- Construction is proceeding with both contractors, GM McCrossin (2020-08) and HRI (2020-09). The pipe bridge is expected to begin the week of June 21st.

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	1	\$47,917.63	\$511,096.00	\$57,722.28	11.29%	\$463,178.37
2020-09	3	\$22,950.00	\$103,505.00	\$41,005.00	39.62%	\$66,600.50
		\$70,867.63	\$614,601.00	\$98,727.28	16.06%	\$515,873.72

- GM McCrossin (2020-08) has submitted Application for Payment No. 1 and we are recommending payment in the amount of \$47,917.63.
- HRI, Inc. (2020-09) has submitted Application for Payment No. 3 and we are recommending payment in the amount of \$22,950.00.

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

- Stone Valley Construction (2020-10) has completed all punchlist items and has submitted Application for Payment No. 5-Final. We are recommending payment in the amount of \$26,590.80.

Solar System – Phase II Project

- We are working with West Penn Power to obtain approval to begin operation of the second phase of the solar array. We expect the new battery to be operational by mid-July.

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	5-Final	\$26,590.80	\$265,908.00	\$265,908.00	100.00%	\$0.00
		\$26,590.80	\$265,908.00	\$265,908.00	100.00%	\$0.00

WWTP NPDES Permit – Phosphorus Study (094612027)

- Installation of the stream monitoring instruments and data collection has begun, with continuous monitoring of Spring Creek 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 a July 2021 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 the planning agency review and public comment periods.
- The Water Quality Management Part II Permit is under review by the DEP.
- 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 and Cable Replacement (094612045)

- Thoroughbred Construction Group has been installing new high voltage manholes and ductbanks in anticipation of the new switchgear. We have provided a Work Change Directive with an estimated

cost of \$16,000 due to the relocation of the service to the AWT Building. The routing of this feed to the building's transformer was not as shown on the plant's record drawings and was subsequently located directly beneath the main West Penn Power feed serving the plant. Due to the hazard associated with intercepting these existing conduits to pull new wires, a new conduit routing will be placed through the parking lot, next to the AWT Building.

- Thoroughbred Construction Group (2020-11) has submitted Application for Payment No. 1 and we are recommending payment in the amount of \$150,318.00.

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	\$150,318.00	\$1,043,639.00	\$167,020.00	16.00%	\$893,321.00
		\$150,318.00	\$1,043,639.00	\$167,020.00	16.00%	\$893,321.00

Water Quality Instrumentation (094612033)

- We have completed the integration of several new instruments to monitor water quality throughout the Advance Water Treatment process. The instruments are now online and continuously analyzing turbidity, pH, and conductivity at key points in the treatment process.

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

IT Manager

UAJA has a new Information Technology Manager, Aaron Tate, whom will be attending the July board meeting. Mr. Tate has been working hard moving UAJA in the right direction and will continue to do so.

7 Other Business

None.

8 Adjournment

The meeting was adjourned at 4:54 p.m. via motion by Mr. Nucciarone and second by Mr. Dempsey.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary

***THE JUNE 16, 2021 MINUTES WERE AMENDED AT THE JULY 21, 2021 BOARD MEETING TO ADD MR. DAUBERT AS ATTENDING THE JUNE MEETING VIA ZOOM.**