

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

Regular Meeting – July 15, 2020

1. Call to Order

An executive session was held from 4 p.m. until 4:43 p.m.

Mr. Lapinski, Chairman, called the meeting to order at 4:44 p.m., Wednesday, July 15, 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; David Gaines, Solicitor; Jason Wert and Michele Aukerman, Rettew. Those in attendance via Zoom were Messrs. Daubert, Dempsey, Derr, Ebaugh, Guss, Miller, Nucciarone; Jim May, CRPA; Kevin Mullen; C-NET.

2. Reading of the Minutes

UAJA Regular Meeting – June 17, 2020

UAJA Meeting Minutes Approved
--

A motion was made by Mr. Dempsey, seconded by Mr. Dietz, to approve the minutes of the UAJA meeting held on June 17, 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. He would like to meet with any board members to speak about prior issues.

Mr. May mentioned the Scott Road Pump Station and Bristol Interceptor is scheduled to go to the COG general forum on July 27, 2020 for a presentation and to send to the municipalities so they can adopt individual resolutions. During August, each Centre Region municipality will hold public hearings to elicit input involving the project.

4. Old Business

4.1 Status of Residential Solar Demonstration Project

At the May UAJA Board meeting, several energy related projects were discussed, including a residential solar demonstration project. The demonstration project would consist of solar panels being installed on approximately 300 homes within the UAJA service area. Similar to the Phase I and Phase II solar projects, UAJA would partner with a for profit company to enable the solar tax credit to be available. UAJA would use its low interest borrowing capability to finance the installation, with homeowners who volunteer for the program paying UAJA, and receiving a net reduction to their overall electric cost.

Staff has been working with attorneys to evaluate legal hurdles for the project. It appears that with formal endorsement by the Centre Region Municipalities, it is very likely that the legal hurdles can

be overcome. The difficulties mostly lie in the fact that when the Pennsylvania Municipalities Authorities Act was drafted in the 1930's, nobody had the foresight to think of solar energy.

Before proceeding any further with this demonstration project, it is probably a good time to find out if the Centre Region Municipalities would like us to continue.

Recommendation: Request UAJA's residential solar demonstration project be added to the next available Centre Region COG Public Service and Environmental Committee agenda. Mr. Dempsey requested having an updated economic evaluation.

5. New Business

5.1 Bid Award- Contract 2020-06- 60KW Natural Gas Generator & Transfer Switch

On June 30, 2020, a bid was received from one (1) prospective contractor for a 60 KW natural gas generator and transfer switch for the Shiloh Pump Station. The bid was submitted by Breon's Inc. and has been reviewed by UAJA staff as well as HRG.

**Contract
2020-06
Awarded**

A motion was made by Mr. Dempsey, seconded by Mr. Dietz, to Award Contract 2020-06 to Breon's Inc. in the amount of \$32,495.00. The motion passed unanimously.

5.2 Change Proposal, Contract 17-03 (Global Heavy), involving the Odor Control Project

A change proposal was previously submitted by Contract No. 17-03: General Construction (Global Heavy Corporation). The change proposal includes extensions to five duct supports for exhaust ducts connecting the Compost Building to the Biofilter and would increase the contract price by \$18,523.29. Due to COVID-19 and discussions limited to essential business, there has not been any action taken on this change proposal. HRG will address the board concerning this change proposal.

**Contract
17-03
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Guss, to grant Contract 17-03 payment in the amount of \$18,523.29 but no time extension. The motion passed unanimously.

5.3 Requisitions

Construction Fund #215	S&C Operations, Inc. Harris Reuse Trucking	\$9,773.75
------------------------	---	------------

TOTAL CONSTRUCTION FUND		\$9,773.75
--------------------------------	--	-------------------

**Construction Fund
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Dietz, to approve the Construction Fund #215. The motion passed unanimously.

BRIF #424	4-M Construction Pay App. #1 Sludge Storage Tank Mixer Project	\$4,500.00
-----------	---	------------

BRIF #425	Envirep, Inc. Sludge Storage Tank Mixer Project	\$42,330.00
TOTAL BRIF		\$46,830.00

**BRIF
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve BRIF #424 and #425. The motion passed unanimously.

Revenue Fund #169	Debt Service, Operation and Maintenance Expenses	\$1,000,000.00
-------------------	---	----------------

TOTAL REVENUE FUND **\$1,000,000.00**

**Revenue Fund
Approved**

A motion was made by Mr. Auman, seconded by Mr. Nucciarone, to approve the Revenue Fund #169. 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 June 30, 2020 was reviewed with the Board by Jason Brown.

6.3 Chairman's Report

No report.

6.4 Project Manager's Report

Compost & Septage Operations Report

The following comments are as presented to the Board in the written report prepared by Jason Brown, Assistant Executive Director.

COMPOST PRODUCTION AND DISTRIBUTION

	<u>Jan. 2020</u>	<u>Feb. 2020</u>	<u>Mar. 2020</u>	<u>Apr. 2020</u>	<u>May 2020</u>	<u>Jun. 2020</u>
Production	1,156 cu/yds.	983 cu/yds.	1,202 cu/yds.	987 cu/yds.	988 cu/yds.	1,213 cu/yds.
YTD. Production	1,156 cu/yds.	2,139 cu/yds.	3,341 cu/yds.	4,328 cu/yds.	5,316 cu/yds.	6,529 cu/yds.
Distribution	133 cu/yds.	1,391 cu/yds.	371 cu/yds.	1,703 cu/yds.	948 cu/yds.	1,164 cu/yds.
YTD. Distribution	133 cu/yds.	1,524 cu/yds.	1,895 cu/yds.	3,598 cu/yds.	4,546 cu/yds.	5,710 cu/yds.
Immediate Sale	3,177 cu/yds.	2,902 cu/yds.	3,554 cu/yds.	3,006 cu/yds.	3,019 cu/yds.	2,841 cu/yds.

Currently in Storage	4,333 cu/yds.	3,885 cu/yds.	4,756 cu/yds.	3,993 cu/yds.	4,007 cu/yds.	4,054 cu/yds.
-----------------------------	---------------	---------------	---------------	---------------	---------------	---------------

SEPTAGE OPERATIONS

	<u>Jan. 2020</u>	<u>Feb. 2020</u>	<u>Mar. 2020</u>	<u>Apr. 2020</u>	<u>May 2020</u>	<u>Jun. 2020</u>
Res./Comm.	7,800 gals.	4,550 gals.	7,500 gals.	10,250 gals.	11,550 gals.	23,425 gals.
CH/Potter	7,948.02 lbs/solids	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
Port Matilda	1,551.24 lbs/solids	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
Huston Twp.	483.72 lbs/solids	417.00 lbs/solids	617.16 lbs/solids	467.04 lbs/solids	683.88 lbs/solids	517.08 lbs/solids
Total Flow	87,800 gals.	62,550 gals.	64,500 gals.	101,250 gals.	104,550 gals.	75,925 gals.

6.5 Plant Superintendent’s Report

The following comments are as presented to the Board in the written report prepared by Art Brant, Plant Superintendent.

Plant Operation

The treatment plant is operating well with no exceptions for the month of June 2020. The 12-month rolling average flow for June was 3.17mgd with the average for the month being 3.32mgd. The average monthly **influent** flow was 4.69mgd.

Treatment units online are as follows: primary clarifiers #2, #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:

	Jun-20	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	25,000	97,000		
Centre Hills	6,749,000	8,174,000	Jun-20	Jun-20
Cintas	511,000	2,951,000	59.7	60.4
Red Line	385,000	2,165,000		
Uaja Wetland	2,073,000	17,197,000		
GDK Vault	26,958,000	250,977,000		
Kissingers	1,830,000	10,975,000		
Stewarts/M.C.	9,500	27,200		
TOTAL	38,540,500	292,563,700		

Plant Maintenance

- Replaced diaphragm in Primary Pump #12.
- Replaced motor drive on Screening unit at Headworks.
- Pressure washed #4 Secondary tank. Prep for paint.
- Replaced rebuilt motor and pump for Main Station Pump #1.
- Replaced influent sampler refrigerator.
- Replaced tines on #2 agitator.

- Replaced hydraulic hose on #1 agitator.
- Jetted drain line at Septage.
- Replaced valves AV13, AV12 and AV15 on MF#1.
- Replaced pump, mechanical seal and motor on CIP For RO's.
- Performed multiple cleanings on both RO units.

6.6 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 (2,063 ft) of lateral pipe – (10) homes hooked up to new system.

Harris Reuse Project – Installed (2,360 ft) of 12" main.

New Lateral Installation – Harris Township maintenance building.

Casting Repairs – (16).

Equipment maintenance.

Lift Station Maintenance:

Cleaned (6) lift station wet wells.

Replaced VFD cooling fan at Scott Rd. station.

Replace 24-volt power supply at The Yards station.

Replaced off float at Aspen Heights station.

Replaced (2) E-One pumps at Huntridge Development.

Next Month Projects:

Continue Greenbriar project.

Continue Harris Reuse project.

Manhole adjustments for township paving projects.

Cleaning wet wells.

Flushing and Televising mains.

Inspection: Final As-Builts Approved: None

Mainline Construction:

- a. Grays Woods Phase 6, Section B – Reviewing As-Builts.

New Connections:

a.	Single-Family Residential	16	c.	Commercial	1
b.	Multi-Family Residential	32	d.	Non-Residential	0
TOTAL					49

PA One-Calls Responded to 6/1-30/20: 412

6.7 Engineer's Report

The following comments are as presented to the Board in the written report prepared by the Consulting Engineer.

Consulting Engineer Services

- A comment response letter and supporting documentation was submitted to the PA DEP for the Solid Waste Permit renewal. The evaluation of the concrete slab concluded that repairs should be made to various cracks, control joints and wear areas.
- HRG is identifying and evaluating improvement alternatives to the facility entry road and associated stormwater management practices.

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 July. 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	--	--	\$8,358,000.00	\$8,326,215.00	99.6	\$448,095.75
17-04	--	--	\$587,890.00	\$584,790.00	99.5	\$32,339.50

- BIOREM provided start-up and training during the week of June 22-25th. Air from the dewatering building was introduced into the biofilter and the control system was placed into automatic mode.
- A request for a Substantial Completion inspection along with a preliminary list of items to be completed was submitted by Contract No. 17-03. An inspection has been scheduled for both Contracts on July 9th.
- The Contracts are 339 days beyond the date of Substantial Completion (based on 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 that may be due to the Contractors for delays associated with COVID-19.
- Notifications of delays due to COVID-19 are being evaluated based on specific state orders and timing.
- A Change Proposal was previously submitted by Contract No. 17-03: General Construction (Global Heavy Corporation). The Change Proposal includes extensions to five duct supports for exhaust ducts connecting the Compost Building to the Biofilter. Due to COVID-19 there has not been any action taken on this Change Proposal. This Change Proposal will be discussed at the meeting.

- A request for an extension of the Air Quality Plan Approval was prepared and must be submitted by the end of July.

Shiloh Road Pump Station Upgrades (1178.0632)

- The Component 3M Sewage Facilities Planning Module was adopted by College Township and subsequently submitted to the PA DEP. Comment responses and additional information was submitted as requested by the PA DEP.
- College Township has requested a walkthrough of the proposed work to coordinate submission of the Water Quality Management Permit. This is being coordinated.
- The generator bid package was reviewed and it appears to meet the bidding requirements.

Extension of Beneficial Reuse Water to Harris Township (1178.0637)

- Alignment stake-out is being coordinated with the UAJA construction crew.
- A notice of intent to award was issued to each respective low bidder for the two crossing Contracts. HRG has returned the required documents and Ligonier has stated that they have been mailed. It is anticipated that a recommendation to award both contracts will be made at the board meeting.

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.
- HRG is preparing a proposal to complete the design of the recommended upgrades.

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

- The PNDI search revealed potential impacts to eight plant species. HRG obtained a list of qualified botanists from the DCNR and requested proposals from two local firms (Wilson Ecological and WHM Group). The Authority has entered into a contract with Wilson Ecological to complete the work, which will occur through a series of botanical surveys 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.

Developer Plan Reviews:

- The Developer's As-Built drawings for Grays Pointe Phase 6 Section B were recommended to Staff on July 2, 2020 (1178.0677).
- The Developer's As-Built drawings for The Yards at Old State (The Cottages) were recommended to Staff on July 6, 2020 (1178.0678).

Contracts Awarded:

Contracts Awarded

A motion was made by Mr. Dietz, seconded by Mr. Auman, to Award Contract 02 to Ligonier Construction in the amount of \$303,000 and Contract 03 to HRI in the amount of \$366,000 for the crossing for the Beneficial Water Reuse Project. The motion passed unanimously.

6.8 Construction Report

General Services (094612031)

Nutrient Credit Offsets – Solar Installation and Stormwater Offsets

- 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.

ENR/AWT Upgrade Project (094612009)

- The contractor for Contract UAJA 2017-06 (HRI) is in the process of completing all punchlist and warranty items.

Sludge Storage Tank Mixer (094612034)

- 4-M Construction Company and Stelco, Inc. have begun work for the installation of the new mixer. Application for Payment No. 1 has been submitted by 4-M Construction Company (Contract No. 2020-01) and we are recommending payment in the amount of \$4,500.00.

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	1	\$4,500.00	\$39,250.00	\$5,000.00	12.74%	\$34,250.00
2020-05			\$27,750.00		0.00%	\$27,750.00
		\$4,500.00	\$67,000.00	\$5,000.00	7.46%	\$62,000.00

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 by the end of this month.

WWTP NPDES Permit – Phosphorus Study (094612027)

- RETTEW is making revisions to the Plan of Study 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.

Ozone Disinfection for Effluent (094612023)

- We are obtaining proposals and references from various manufacturers of ozone equipment to allow staff to visit different installations and to establish a basis of design. We anticipate submitting for a Water Quality Management Permit from the DEP by the end of July.

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.

Solar System (Phase II)

- Plans for the Zoning and Building Permits have been submitted to College Township for approval.
- We are finalizing the exhibits for the Power Purchase Agreement.
- Demolition and ground preparation for the site will begin later this summer.

6.9 Executive Director’s Report

Odor Control Facility

The Odor control facility is now fully operational. All air from the compost building and dewatering building is now being treated by the odor filter.

Other Informational Items

There have been three retirements this year: Ms. Kline, Mr. Reif and Mr. Smith. Staff changes have occurred with the following: Mr. Brown is the Assistant Executive Director, Ms. Benninghoff is the Human Resources Director, Ms. Wheeler is the Account Representative and Ms. Jennifer Grove will be the new Administrative Assistant. The position of Project Manager will be left open.

7. Other Business

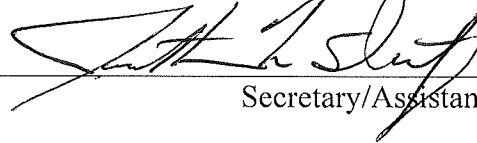
None

8. Adjournment

The meeting was adjourned at 5:29 p.m. via motion. Mr. Nucciarone moved, seconded by Mr. Dietz. Motion passed.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary