

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

Regular Meeting – June 17, 2020

1. Call to Order

Mr. Lapinski, Chairman, called the meeting to order at 4:00 p.m., Wednesday, June 17, 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, Project Manager; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Todd Alitz, IT Manager, Ben Burns and Jeff Garrigan, HRG Consulting Engineers. Those in attendance via Zoom were Messrs. Daubert, Dempsey, Derr, Ebaugh, Guss, S. Miller Nucciarone, David Gaines, Solicitor; Jason Wert and Michele Aukerman, Rettew; Jim May and Corey Rilk, CRPA; Erich Bussinger, Kevin and Tiffany Breon, C-NET.

2. Reading of the Minutes

UAJA Regular Meeting – May 20, 2020

UAJA Meeting Minutes Approved
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A motion was made by Mr. Dietz, seconded by Mr. Derr, to approve the minutes of the UAJA meeting held on May 20, 2020. The motion passed unanimously.

3. Public Comment

None

4. Old Business

4.1 Beneficial Reuse Service Area Act 537 Special Study Draft Task Activity Report (TAR)

A draft TAR was submitted to the Centre Region Planning Agency in December 2019 for approval by the Centre Region before submitting the TAR to DEP. This step was added for all special study TARs immediately following the submittal to DEP of the TAR for the Scott Road Special Study. The CRPA submitted the draft TAR to several local organizations for comment. In April 2020, UAJA provided a 24-page comment response document to the CRPA. The comment response was discussed at the Centre Region Council of Governments Public Services and Environmental (PSE) Committee meeting as well as the Centre Region Planning Commission on May 7th. Jim May, CRPA Planning Director, indicated that there were unanswered questions. Jim May responded to a request for clarification concerning the unanswered questions by E-mail on May 15, 2020, which was included in the Agenda Report, and was distributed May 18th to the UAJA Board members. The E-mail suggests that the UAJA Board discuss the E-mail, and then a meeting of the Source Water Protection Agreement Project Management Team would be scheduled to discuss the draft TAR.

The Water Source subcommittee added Mr. S. Miller along with Messrs. Guss and Ebaugh to meet with the Source Water Protection Agreement Project Management Team to discuss the draft TAR.

5. New Business

5.1 Requisitions

Construction Fund #213	HRG Harris Reuse Engineering	\$5,043.00
Construction Fund #214	HRG Odor Control Engineering	\$15,495.00
TOTAL CONSTRUCTION FUND		\$20,538.00

**Requisitions
Approved**

A motion was made by Mr. Derr, seconded by Mr. Dietz, to approve the Construction Fund #213-214. The motion passed unanimously.

BRIF #419	Retnew Associates Aeration System Repair Project	\$1,900.00
BRIF #420	HRG Shiloh Road Pump Station Project	\$150.00
BRIF #421	HRG Scott Road/Bristol Interceptor Study	\$5,120.00
BRIF #422	HRG Meeks Lane Pump Station Study	\$5,980.00
BRIF #423	Mid-State Paving, LLC. Greenbriar Trench Paving	\$23,310.00
TOTAL BRIF		\$36,460.00

5.2 Bid Award - Contract 2020-05 Sludge Storage Tank Modifications

On June 4, 2020, bids were received from eight (8) prospective contractors for the Sludge Storage Tank Modifications Project. After reviewing the bids, it was determined that the successful low bidder was Stelco, Inc., in the amount of \$27,750.00. This bid is for the electrical construction portion of the project. The bid tabulation letter from RETTEW was given to the Board for review.

**Contract
2020-05
Awarded**

A motion was made by Mr. Dietz, seconded by Mr. Guss, to Award Contract 2020-05 to Stelco, Inc. in the amount of \$27,750.00. 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, 2020 was reviewed with the Board by Jason Brown.

6.3 Chairman’s Report

No report.

6.4 Compost & Septage Operations Report

The following comments are as presented to the Board in the written report prepared by Jason Brown, Project Manager.

COMPOST PRODUCTION AND DISTRIBUTION

	Dec. 2019	Jan. 2020	Feb. 2020	Mar. 2020	Apr. 2020	May 2020
Production	1,188 cu/yds.	1,156 cu/yds.	983 cu/yds.	1,202 cu/yds.	987 cu/yds.	988 cu/yds.
YTD. Production	8,209 cu/yds.	1,156 cu/yds.	2,139 cu/yds.	3,341 cu/yds.	4,328 cu/yds.	5,316 cu/yds.
Distribution	328 cu/yds.	133 cu/yds.	1,391 cu/yds.	371 cu/yds.	1,703 cu/yds.	948 cu/yds.
YTD. Distribution	8,194 cu/yds.	133 cu/yds.	1,524 cu/yds.	1,895 cu/yds.	3,598 cu/yds.	4,546 cu/yds.
Immediate Sale	2,135 cu/yds.	3,177 cu/yds.	2,902 cu/yds.	3,554 cu/yds.	3,006 cu/yds.	3,019 cu/yds.
Currently in Storage	3,323 cu/yds.	4,333 cu/yds.	3,885 cu/yds.	4,756 cu/yds.	3,993 cu/yds.	4,007 cu/yds.

SEPTAGE OPERATIONS

	Dec. 2019	Jan. 2020	Feb. 2020	Mar. 2020	Apr. 2020	May 2020
Res./Comm.	4,050 gals.	7,800 gals.	4,550 gals.	7,500 gals.	10,250 gals.	11,550 gals.
CH/Potter	4,374.33 lbs/solids	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
Port Matilda	1,017.48 lbs/solids	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
Huston Twp.	517.08 lbs/solids	483.72 lbs/solids	417.00 lbs/solids	617.16 lbs/solids	467.04 lbs/solids	683.88 lbs/solids
Total Flow	51,550 gals.	87,800 gals.	62,550 gals.	64,500 gals.	101,250 gals.	104,550 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 May 2020. The 12-month rolling average flow for May was 3.20mgd with the average for the month being 3.16mgd. The average monthly **influent** flow was 4.88mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	May-20	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	7,000	72,000		
Centre Hills	1,276,000	1,425,000	May-20	May-20
Cintas	411,000	2,440,000	59.7	60.4
Red Line	290,000	1,780,000		
Uaja Wetland	2,016,000	15,124,000		
Wetland Vault	43,864,000	224,019,000		
Kissingers	1,533,000	9,145,000		
Stewarts/M.C.	9,200	18,200		
TOTAL	49,406,200	254,023,200		

Plant Maintenance

- Serviced mixer NM503 in Train #3.
- Serviced fans at Headworks.
- CH Pump Station had #1 pump go bad. Was sent out for rebuild and repair.
- Replaced motor logic on mixer AM504.
- Shipped out two Auma valves for repair and four Kurtz air flow meters for recalibration.
- Replaced fuse in #3 Composter and a hydraulic line on #1 Composter.
- Replaced all 4 belts on Odor Control Blower #3.
- Replaced dolly pressure switch on #2 Agitator.
- Finished piping on tank #6 at Dewatering.
- Repaired AWT lighting.
- Tightened expansion joints on MF’s 3,4,5, and 6.

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 (703 ft) of lateral pipe – (7) homes hooked up to new system.
 Harris Reuse Project – Installed (1,720 ft) of 12” main.
 Mainline Televising – (471.4 ft) televised – (16) manholes inspected.
 Mainline Repair – 2514 Saratoga Drive.
 New Lateral Installation – Research Dr. (Ferguson Twp. Maintenance Building).
 Equipment maintenance.

LIFT STATION MAINTENANCE:

Cleaned (4) lift station wet wells.
 Replaced pump seals on pump #2 at Shiloh station.
 Replace wear ring on pump #2 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 – Awaiting Asbuilts

New Connections:

a. Single-Family Residential	11	c. Commercial	0
b. Multi-Family Residential	63	d. Non-Residential	0

TOTAL **74**

PA One-Calls Responded to 5/1-31/20: 417

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

- HRG's financial services group has been researching funding programs that may become available. Updates will be provided.
- At the request of the PA DEP for the renewal of the Solid Waste Permit, a rudimentary concrete slab evaluation was performed in the Compost Building and the Amendment Buildings. A report is being generated. HRG is working with staff to respond to additional comments from the permit application.
- A map documenting the progress of the Harris Township Beneficial Reuse Waterline Extension has been prepared and submitted to staff.

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	652	-332	9/4/2019	0%	100%
17-04	9/4/2018	320	7/21/2019	652	-332	9/4/2019	0%	100%

*As of date of board meeting (6/17/2020).

- There were no applications for payment submitted for June. 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
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

- The Contracts are 332 days beyond the date of Substantial Completion (projected to the date of the Board Meeting, May 20, 2020). Liquidated Damages in the amount of \$431,600.00 (\$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.
- An unofficial inspection of the work was conducted on June 3rd to identify outstanding work that must be completed before a complete start-up of the system can occur. This inspection was conducted with representatives of HRG, UAJA, and each Contractor. All outstanding work required for comprehensive start-up has been completed and BIOREM is being scheduled.
- The manufacturer of the pre-conditioning chamber recirculation pumps provided troubleshooting on June 3rd and discovered a seal sensor failure on one of the pumps. The spare pump will be installed in its place and the failed pump will be returned for service on June 10th.
- Contract No. 17-03 has a pending RFI pursuant to the insulation of the inlet and outlet plenums on the pre-conditioning chamber.
- 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.

Shiloh Road Pump Station Upgrades (1178.0632)

- The Component 3M Sewage Facilities Planning Module was submitted to College Township and to the Centre Region Planning Agency. College Township passed a resolution on June 4th to formally amend its Act 537 Sewage Facilities Plan. The plan will be submitted to the PA DEP.
- College Township has requested a walkthrough of the proposed work to coordinate submission of the Water Quality Management Permit.

Extension of Beneficial Reuse Water to Harris Township

- Alignment stake-out is being coordinated with the UAJA construction crew.
- The amended project for the Highway Crossings has been advertised for public bids. Bids will be received for the two Contracts on June 15th at 2 PM. An update will be provided at the meeting.
- HRG is coordinating with the Authority's solicitor to address right-of-way issues as they arise.

Scott Road Pump Station and Bristol Interceptor – Act 537 Plan Special Study

- The draft study was discussed at the PS&E meeting on June 4th and will move to the public comment period. Copies (excluding appendices) along with a public notice were provided to the CRPA for coordination.

Meeks Lane Pump Station – Act 537 Plan Special Study

- A draft of the study was submitted to the UAJA.
- The PNDI search revealed potential impacts to list of eight plant species. The DCNR has requested that a botanical survey be completed. To date, DCNR has not provided a list of qualified botanists; although, several attempts were made to obtain the list.

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:

- There have been no new reviews.

Notice of Intent to Award

- Mr. Burns stated that there were two contracts for bid for the crossing of the Beneficial Reuse Water project. There are four crossings total with three of them being open cut. The Bids were received on June 15, 2020. For Contract 02 the low bidder was Ligonier Construction at \$303,000 and for Contract 03 the low bidder was HRI in the amount of \$366,000. Contract 02 is the bore crossing of State Route 322 and Contract 03 is the open cut crossings.

Notice of Intent to Award Contract Approved
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A motion was made by Mr. Dietz, seconded by Mr. Derr, to proceed with the Notice of Intent 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

- We received some updated information from PA DEP and EPA have scheduled a follow up meeting with the EPA later this month to review calculation and modeling figures. It's a positive development with the groups focused on calculating the value of an offset as opposed to the concept of an offset.

ENR/AWT Upgrade Project (094612009)

- The contractor for Contract UAJA 2017-06 (HRI) is in the process of completing all punchlist and warranty items. For the major outstanding item (primary clarifier troughs), they have provided an acceptable repair plan and are to be providing a schedule for the repairs.

Sludge Storage Tank Mixer (094612034)

- Notice to Proceed was issued 4-M Construction Company, who began work the week of June 8th. The electrical contract was re-bid, with the lowest responsive bid received from Stelco, Inc. (Altoona, PA) for \$27,750.00. We recommend entering into a contract with Stelco, Inc.

Aeration System Improvements (094612035)

- RETTEW is underway on the design of the Aeration System Improvements to replace leaking air lines for the Biological System. This project is anticipated to go out to bid in June with bids for Board Action in July.

WWTP NPDES Permit – Phosphorus Study (094612027)

- A conference call was held with RETTEW, UAJA, and the PA DEP at the end of April to discuss the proposed monitoring, Study, and a path forward. RETTEW is making revisions to the Plan of Study to address the PA DEP's comments, including the potential for continuous monitoring of Spring Creek for a full year.

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.

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.

Solar System (Phase I/II)

- The Phase II Solar Interconnection is before the PUC and an initial letter recommending the 5MWdc total size of the two systems is completed. Final figures will be resolved this month, allowing for complete approval.
- The land development plans have been approved by College Township and RETTEW will be submitting the plans for Zoning and Building permits.

6.9 Executive Director's Report

UAJA Solar Phase II

Permitting approvals are nearing completion for the 2.8MW(AC) expansion of the solar facility. It is expected that sitework will begin by August.

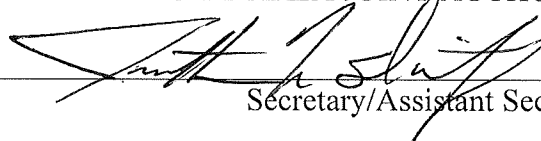
7. Other Business
None

8. Adjournment

The meeting was adjourned at 4:58 p.m. via motion. Mr. Nucciarone moved, seconded by Mr. Dietz. Motion passed.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary