

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

Regular Meeting – November 18, 2020

1. Call to Order

Mr. Lapinski, Chairman, called the meeting to order at 4:04 p.m., Wednesday, November 18, 2020. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Auman 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; Jeff Garrigan, HRG Consulting Engineer; David Gaines, Solicitor; Jason Wert and Michele Aukerman, Rettew. Those in attendance via Zoom were Messrs. Daubert, Dempsey, Dietz, Ebaugh, Guss, Miller and Nucciarone; Corey Rilk, CRPA; Kevin Mullen; C-NET; Scott Shearer and Karli Keisling, Public Financial Management; Eric Brooks, State College Borough; Tom Smida, Mette, Evans and Woodside; Chris Hoffert, Stifel.

2. Reading of the Minutes

UAJA Regular Meeting – October 21, 2020

UAJA Meeting Minutes Approved
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A motion was made by Mr. Dempsey, seconded by Mr. Auman, to approve the minutes of the UAJA meeting held on October 21, 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 asked why UAJA won't give bulk treatment rate to Patton Township.

4. Old Business

4.1 2020 Bond Issue Parameters Resolution

A representative of Public Financial Management (PFM) will present an update on the status of the bond market, as well as the results of the Request for Proposals for underwriting. This will be followed by Tom Smida of Mette Evans and Woodside explaining the parameters resolution. It is anticipated the pricing will occur in early December.

Recommendation: Adopt Resolution 2020-02, the Parameters Resolution

Stifel Proposal and Bond Resolution Acceptance

A motion was made by Mr. Ebaugh, seconded by Mr. Daubert, to accept the Stifel proposal and go forward with the bond resolution. The motion passed unanimously.

5. New Business

5.1 2021 Budget

The final draft of the 2021 budget is included in the board packet. The budget subcommittee met with staff on October 14, 2020 to review the first draft budget. Suggestions made by the committee have been incorporated into this final draft. The proposed budget does not recommend any user rate

increase for 2021. Health insurance pricing for 2021 has been finalized and is within the cost ceiling assumed for the 2021 budget.

An additional capital project has been added to the budget. The high voltage switchgear project has been moved forward to 2021. It is estimated to cost \$1million. Staff will present the draft budget and answer questions from the Board.

Recommendation: Approve the 2021 Budget.

**2021 Budget
Accepted**

A motion was made by Mr. Auman, seconded by Mr. Miller to accept the revised 2021 budget as presented. The motion passed unanimously.

5.2 Beneficial Reuse Waterline Extension Change Order No. 1

HRI has submitted a change order request for additional work resulting from a waterline that was not marked correctly and additional work in Spring Creek due to the sewer line along Spring Creek interfering with the work, which resulted in equipment having to enter Spring Creek. The net amount of the Change Order is an increase of \$26,861.06 to the contract.

Recommendation: Approve Change Order No. 1 in the amount of \$26,861.06.

**Beneficial Reuse
Waterline
Extension Change
Order No. 1
Accepted**

A motion was made by Mr. Dietz, seconded by Mr. Guss, to approve the Beneficial Reuse Waterline Extension Change Order No. 1 in the amount of \$26,861.06. The motion passed unanimously.

5.3 Requisitions

Construction Fund #240	S&C Operations, Inc. Harris Reuse Trucking	\$10,710.00
Construction Fund #241	HRG Harris Reuse Engineering	\$2,992.00
Construction Fund #242	HRG Odor Control Engineering	\$975.00
Construction Fund #243	HRG Meeks Lane Special Study	\$3,185.50
Construction Fund #244	HRG Shiloh Road Pump Station Project	\$131.47
Construction Fund #245	Glossner's Concrete Harris Reuse Project	\$714.00
Construction Fund #246	HRI, Inc. Harris Reuse- Pay App. No. 3 (1/2)	\$24,000.00

Construction Fund #247	L/B Water Shiloh Road Pump Station Project	\$52,975.00
Construction Fund #248	Terre Hill Concrete Products Shiloh Road Pump Station Project	\$60,385.45
Construction Fund #249	Stitzer Crane Service Shiloh Road Pump Station Project	\$3,175.00
Construction Fund #250	Stone Valley Construction Solar Phase II Demo.	\$80,640.00
Construction Fund #251	Rettew Aeration Line Project	\$2,298.81
TOTAL CONSTRUCTION FUND		\$242,182.23

**Construction Fund
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Dempsey to approve Construction Fund #240, #241, #242, #243, #244, #245, #246, #247, #248, #249, #250 and #251. The motion passed unanimously.

BRIF #454	Rettew Aeration Line Project	\$10,786.90
BRIF #455	Rettew Solar Phase II Project	\$8,151.68
BRIF #456	Rettew Sludge Storage Tank Mixer Project	\$694.75
BRIF #457	Rettew Ozone Disinfection Project	\$38,640.45
BRIF #458	Ducken Tree Farm Greenbriar Project	\$756.00
BRIF #459	HRG Shiloh Road Pump Station Project	\$318.53
BRIF #460	4-M Construction Sludge Storage- Pay App. No. 5	\$7,125.00
BRIF #461	Terre Hill Concrete Products Shiloh Road Pump Station Project	\$16,844.00
BRIF #462	HRI, Inc. Harris Reuse- Pay App. No. 3 (2/2)	\$33,611.06
TOTAL BRIF		\$116,928.37

**BRIF
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman to approve BRIF #454, #455, #456, #457, #458, #459, #460, #461 and #462. 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 October 31 2020 was reviewed with the Board by Jason Brown.

Mr. Dietz asked if we are seeing much of a decrease on the revenue side as he is seeing 5-6%. Mr. Cory Miller mentioned that at the end of the year the result could be around half a million dollars less from the sewer revenue however tapping fees revenue has made up for that this year so overall the financial picture is good.

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>May 2020</u>	<u>Jun. 2020</u>	<u>Jul. 2020</u>	<u>Aug. 2020</u>	<u>Sep. 2020</u>	<u>Oct. 2020</u>
Production	988 cu/yds.	1,213 cu/yds.	1,118 cu/yds.	866 cu/yds.	1,029 cu/yds.	892 cu/yds.
YTD. Production	5,316 cu/yds.	6,529 cu/yds.	7,647 cu/yds.	8,513 cu/yds.	9,542 cu/yds.	10,434 cu/yds.
Distribution	948 cu/yds.	1,164 cu/yds.	669 cu/yds.	656 cu/yds.	1,373 cu/yds.	3,152 cu/yds.
YTD. Distribution	4,546 cu/yds.	5,710 cu/yds.	6,379 cu/yds.	7,035 cu/yds.	8,408 cu/yds.	11,560 cu/yds.
Immediate Sale	3,019 cu/yds.	2,841 cu/yds.	3,387 cu/yds.	3,850 cu/yds.	2,824 cu/yds.	400 cu/yds.
Currently in Storage	4,007 cu/yds.	4,054 cu/yds.	4,505 cu/yds.	4,716 cu/yds.	3,853 cu/yds.	1,292 cu/yds.

SEPTAGE OPERATIONS

	<u>May 2020</u>	<u>Jun. 2020</u>	<u>Jul. 2020</u>	<u>Aug. 2020</u>	<u>Sep. 2020</u>	<u>Oct. 2020</u>
Res./Comm.	11,550 gals.	23,425 gals.	69,373 gals.	68,347 gals.	68,921 gals.	77,450 gals.
CH/Potter	10,045.53 lbs/solids	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

Port Matilda	1,150.92 lbs/solids	1,417.80 lbs/solids	1,000.80 lbs/solids	617.16 lbs/solids	1,451.16 lbs/solids	1,517.88 lbs/solids
Huston Twp.	683.88 lbs/solids	517.08 lbs/solids	433.68 lbs/solids	567.12 lbs/solids	550.44 lbs/solids	300.24 lbs/solids
Total Flow	104,550 gals.	75,925 gals.	123,373 gals.	106,347 gals.	112,921 gals.	114,950 gals.

Plant Operation

The treatment plant is operating well with no exceptions for the month of October 2020. The 12-month rolling average flow for September was 3.05mgd with the average for the month being 2.72mgd. The average monthly **influent** flow was 5.01mgd.

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.
Best Western	31,000	196,000		
Centre Hills	2,159,000	31,969,000	Oct.-20	Oct.-20
Cintas	489,000	4,987,000	68.5	71.1
Red Line	290,000	3,570,000		
UAJA Wetland	2,274,000	25,308,000		
GDK Vault	29,310,000	363,720,000		
Kissingers	1,924,000	18,111,000		
Stewarts/M.C.	6,000	58,800		
TOTAL	36,483,600	447,919,800		

Plant Maintenance

- Cleaned air intakes screens plant wide.
- Checked and serviced heat systems plant wide.
- Changed oil in Alum Pumps.
- Replaced airline hose on Primary Pump #1.
- Repaired loose vertical side-belt.
- Replaced watering solenoids on Bays #5 and #6.
- Replaced scraper blade on overhead belt.
- Replaced air filters on Compost MAU’s.
- Replaced electrical contact and fuse holder on dolly system for Agitator #3.
- Installed new Tuthill Blower in Dewatering.
- Replaced transducer at Septage Receiving.
- CIP’ed both RO units
- Replaced AV15 actuator on #1 MF.

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 (1,520 ft) of lateral pipe – (8) homes hooked up to new system.

Harris Reuse Project – Installed (1,918 ft) of 12” main.

New Lateral Installation – (2) Cardinal Ln. and Branch Rd.

Main Line Televising – 700ft televised - 3 manholes inspected.

Equipment maintenance.

Lift Station Maintenance:

Cleaned (4) lift station wet wells.

Routine Maintenance.

Next Month Projects:

Continue Greenbriar project.

Continue Harris Reuse project.

Cleaning wet wells.

Install new lateral at 850 Toftrees Ave.

Inspection:

Final As-Builts Approved:

None

Mainline Construction:

- a. Harner Farms – Construction is approximately (15%) complete.
- b. Rocky Ridge Phase 5 – Construction is approximately (30%) complete.
- c. Grays Pointe phase 6 Section C – Started Construction.

New Connections:

a. Single-Family Residential	10	c. Commercial	1
b. Multi-Family Residential	0	d. Non-Residential	0
TOTAL			11

PA One-Calls Responded to 10/1-31/20: 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

- Met with staff to review the status of projects.

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.

Shiloh Road Pump Station Upgrades (R001178.0632)

- Assisted with the review of submittals.

Extension of Beneficial Reuse Water to Harris Township (R001178.0637)

- Alignment stake-out is being coordinated with the UAJA construction crew.
- Contract 2020-02 (Ligonier) has completed the conventional bore crossing of SR 0322 near the Centre Hills Booster Station. They are waiting for pipe delivery, which is anticipated for late November. Pipe production delays were reportedly a result of hurricanes in the Gulf Region.
- Contract 2020-03 (HRI) completed all crossings including restoration (mill and overlay). All punch list items with the exception of pipe reimbursement and administrative documents have been completed.
- 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.
 - **Contract 2020-03:** The negotiated increase in Contract Price of \$20,000 for work in Spring Creek and an increase in Contract Price of \$6,861.06 for work around the water line at the SR 0322 crossing is recommended. The total increase is \$26,861.06.
- 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	-	\$141,475.50	\$303,000.00	\$180,450.00	59.5%	\$131,572.50
2020-03	3	\$57,611.06	\$392,861.06	\$392,861.06	100%	\$24,000.00

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

- The PA DEP approved the Act 537 Plan Special Study.
- 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 commenced and field survey will be scheduled upon completion of the field work for the Scott Road Pump Station.

Entry Road Storm Water Improvements – (R001178.0681)

- An engineering services proposal was submitted to staff for the entry road and storm water improvements project.

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 received and are under review; October 12, 2020 (1178.0686).
- The Developer’s design drawings for Grays Pointe, Phase 6, Section D-1 were received and are under review; November 5, 2020 (1178.0689).
- The Developer’s design drawings for Grays Pointe, Phase 6, Section D-2 were received and are under review; November 5, 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 (Final) for a decrease in the Contract Price in the amount of \$69,695.93 for the Owner’s acceptance of remaining defective work or costs associated with the correction of defective work. A copy of the Change Order is attached to our Report.
- With this final change order, we are recommending final payment and release of retainage to HRI, Inc. (Application for Payment No. 16-Final) in the amount of \$210,909.37.

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 is currently underway. Application for Payment No. 5 has been submitted by 4-M Construction Company (Contract No. 2020-01) and we are recommending payment in the amount of \$7,125.00. This application includes installation of the new garage door to the blower room beneath the Administration Building.
- A Payment Application was submitted by Stelco, Inc. for Contract 2020-05 but was rejected by RETTEW as the work is incomplete and not ready for payment as the amount remaining on the Contract would have been insufficient for payment and retainage.

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	5	\$7,125.00	\$68,600.00	\$57,050.00	83.16%	\$14,402.50
2020-05			\$27,750.00	\$15,612.75	56.26%	\$13,698.53
		\$7,125.00	\$96,350.00	\$72,662.75	75.42%	\$23,687.25

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

- Demolition and preparation of the site has continued and will be completed this month. Installation of the solar panels will begin at the beginning of December with steady construction through

March.

- We have prepared Change Order No. 1 for an increase in the Contract Price in the amount of \$5,304.00 for the work associated with Work Change Directives #1 and #2. The additional work includes disconnection of the electrical service to two outbuildings and asbestos abatement within the abandoned house.

**Change Order
No. 1 Approved**

A motion was made by Mr. Ebaugh, seconded by Mr. Nucciarone to approve Change Order No. 1 in the amount of \$5,304.00. The motion passed unanimously.

- Application for Payment No. 1 has been submitted by Stone Valley Construction (Contract No. 2020- 10) and we are recommending payment in the amount of \$80,640.00.

Payment Requests To Date						
Contract Number	Application for Payment #	Current Payment Due	Contract Price To Date incl/CO	Total Work To Date	% Monetarily Complete	Balance of Contract Amount
2020-10	1	\$80,640.00	\$260,604.00	\$89,600.00	34.38%	\$179,964.00
		\$80,640.00	\$260,604.00	\$89,600.00	34.38%	\$179,964.00

Aeration System Improvements (094612035)

- RETTEW has finalized 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. We will receive bids in December and present for approval in January 2021.

WWTP NPDES Permit – Phosphorus Study (094612027)

- Installation of the stream monitoring instruments will begin later this year, 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

Kissinger Meadow Project

UAJA is still working through details with DEP and the Fish and Boat Commission. We have returned information to DEP indicating that Kissinger Meadow is not having a negative impact on the stream. They asked UAJA to look at their new data dealing with the low flow conditions and to see if we had any impact during the really low flow conditions. There have only been positive impacts to the stream. This will continue to be ongoing.

Executive Session

The agenda stated the board needs to break for an executive session but that is no longer needed.

7 Other Business

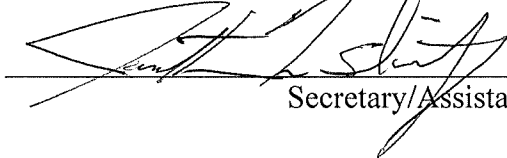
None.

8 Adjournment

The meeting was adjourned at 4:55 p.m. via motion. Mr. Nucciarone moved, seconded by Mr. Auman. Motion passed.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary