

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

Regular Meeting – February 19, 2020

1. Call to Order

Mr. Lapinski, Chairman, called the meeting to order at 4:04 p.m., Wednesday, February 19, 2020. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Auman, Daubert, Derr, Ebaugh, Guss and Lapinski; Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Jason Brown, Project Manager; David Gaines, Solicitors; Ben Burns and Jeff Garrigan, HRG; Jason Wert, Michele Aukerman and Chris Harvey, RETTEW; Deb Hoag, State College Borough; Kevin Mullen; Tom Songer; Alice Wechsler Ball and Kathy Wheeler.

2. Reading of the Minutes

UAJA Regular Meeting – January 15, 2020

UAJA Meeting Minutes Approved
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A motion was made by Mr. Ebaugh, seconded by Mr. Derr, to approve the minutes of the UAJA meeting held on January 15, 2020. The motion passed unanimously.

3. Public Comment

Mr. Mullen stated that he has four items to comment on. 1) What is the time limit per person to make public comments? 2) He has been over billed for several years. 3) When will Mr. Miller come over to reinspect his house? 4) Would like everyone to know that all Board members and executive director get discounted service to their property. Mr. Lapinski stated that Mr. Mullen needs to contact Patton Township as they are willing to work with him regarding the rental space that he has in his home.

Mr. Songer stated that he and Ms. Ball were in attendance to talk to the Board about the lot Ms. Ball just purchased. Ms. Ball summarized the discussion she had with Mr. Miller regarding getting a sewer connection permit for her lot. Mr. Songer then stated that he had nine of the 10 signatures required for the maintenance agreements for Springfield Commons. The Chairman will sign the agreements so that Mr. Songer can have them recorded. No permits will be issued for the Springfield Commons subdivision until the final agreement has been fully executed.

4. Old Business

4.1 Results of RFP – 2020 Bond Issue

PFM, our Financial Advisor, issued an RFP seeking underwriter services for our 2020 Bond Issue. Six firms responded to the RFP with RBC Capital Markets providing the winning proposal. The RFP results are included in your packet. On January 23, 2020 the bonds went to market and the result of the sale was a net savings to UAJA of \$576,712.17. The Bond Sale Document was included in the meeting packet. See Page 12 for the savings summary. Closing on the transaction is set for February 24, 2020.

4.2 2020 Rate Resolution

This item is an administrative requirement, since tapping fee rates were changed from 2019.

Those rates were approved in the budget process. The 2020 Rate Resolution with the Act 57 Tapping Fee Study attached is included in your packet.

**Potential Bond
 Refunding Approved**

A motion was made by Mr. Derr, seconded by Mr. Guss, to a Adopt the 2020 Rate Resolution as presented. Motion passed unanimously.

4.3 Contract 2017-08 Biter Electrical Enterprises, Inc. Change Order #4 (FINAL)

This Change Order is the Final Change Order for this contract and will close the contract. It increases the contract price by \$23,711.84. Work completed is as follows:

- Completion of Work Change Directive #6 – valving on RO Skid #1 - **\$1,063.14**
- Completion of Work Change Directive #8 – elect. manhole MVH-1 modifications-**\$9,820.58**
- Additional light at Aeration Tanks (EC-013) - **\$2,394.86**
- Relocation of Chemical Feed Pumps per UAJA (EC-019) - **\$5,696.32**
- Remove conduit and reconnect to Ozone Unit (EC-022) - **\$4,736.94**

**Contract 2017-08 Biter
 Electrical Enterprises, Inc.
 Change Order #4 (FINAL)
 Approved**

A motion was made by Mr. Daubert, seconded by Mr. Derr, to approve Change Order #4 (FINAL) for Contract 2017-08 Biter Electrical Enterprises for \$23,711.84. The motion passed unanimously.

5. New Business

5.1 Requisitions

Construction Fund #195	S & C Operations Harris Reuse trucking	\$5,163.75
Construction Fund #196	Pinnacle Erosion Control Harris Reuse Silt Sock	\$8,178.00
Construction Fund #197	Stitzer Crane Service Crane Rental Harris Reuse	\$3,175.00
Construction Fund #198	Rettew ENR/AWT Engineering	\$1,330.00
Construction Fund #199	Rettew ENR/AWT SCADA	\$5,128.75
Construction Fund #200	Bob Biter Electrical Enterprises ENR/AWT Electrical Pay App #13	\$85,686.74
Construction Fund #201	Hayden Power Group Odor Control Electrical Pay App #11	\$14,286.72
	Subtotal #195-201	\$122,948.96

**Requisitions
Approved**

A motion was made by Mr. Derr, seconded by Mr. Auman, to approve the Construction Fund #195-201. The motion passed unanimously.

BRIF #405	Rettew Associates Sludge Storage Tank Mixer Proj.	\$624.00
BRIF #406	University Area Joint Authority Reimburse Revenue Fund for Capital Purchases made through AP in 2019	\$324,544.34
BRIF #407	Groff Tractor and Equipment Broom for Skid Steer – Collection	\$7,300.00
TOTAL BRIF		\$332,468.34

**Requisitions
Approved**

A motion was made by Mr. Daubert, seconded by Mr. Derr, to approve the Bond Redemption and Improvement Fund #405-407. The motion passed unanimously.

Revenue Fund #167	Debt Service, Operation and Maintenance Expenses	\$1,000,000
TOTAL REVENUE		\$1,000,000

**Requisitions
Approved**

A motion was made by Mr. Auman, seconded by Mr. Ebaugh, to approve the Revenue Fund #167. The motion passed unanimously.

6. Reports of Officers

6.1 SCBWA Liaison

None.

6.2 Financial Report

Mr. Smith reviewed with the Board the different cost centers of the YTD budget report for the period ending January 31, 2020.

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

	Aug. 2019	Sep. 2019	Oct. 2019	Nov. 2019	Dec. 2019	Jan. 2020
Production	954 cu/yds.	940 cu/yds.	1,190 cu/yds.	988 cu/yds.	1,188 cu/yds.	1,156 cu/yds.
YTD. Production	3,903 cu/yds.	4,843 cu/yds.	6,033 cu/yds.	7,021 cu/yds.	8,209 cu/yds.	1,156 cu/yds.
Distribution	223 cu/yds.	1,292 cu/yds.	861 cu/yds.	1,823 cu/yds.	328 cu/yds.	133 cu/yds.
YTD. Distribution	3,890 cu/yds.	5,182 cu/yds.	6,043 cu/yds.	7,866 cu/yds.	8,194 cu/yds.	133 cu/yds.
Immediate Sale	2,239 cu/yds.	1,909 cu/yds.	2,108 cu/yds.	1,475 cu/yds.	2,135 cu/yds.	3,177 cu/yds.
Currently in Storage	3,193 cu/yds.	2,849 cu/yds.	3,298 cu/yds.	2,463 cu/yds.	3,323 cu/yds.	4,333 cu/yds.

SEPTAGE OPERATIONS

	Aug. 2019	Sep. 2019	Oct. 2019	Nov. 2019	Dec. 2019	Jan. 2020
Res./Comm.	23,050 gals.	20,730 gals.	19,200 gals.	17,150 gals.	4,050 gals.	7,800 gals.
CH/Potter	2,710.50 lbs/solids	3,361.02 lbs/solids	5,204.16 lbs/solids	4,553.64 lbs/solids	4,374.33 lbs/solids	7,948.02 lbs/solids
Port Matilda	914.40 lbs/solids	1,317.72 lbs/solids	166.80 lbs/solids	767.28 lbs/solids	1,017.48 lbs/solids	1,551.24 lbs/solids
Huston Twp.	667.20 lbs/solids	834.00 lbs/solids	366.96 lbs/solids	650.52 lbs/solids	517.08 lbs/solids	483.72 lbs/solids
Total Flow	52,050 gals.	60,230 gals.	61,700 gals.	63,650 gals.	51,550 gals.	87,800 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 January 2020. The 12-month rolling average flow for January was 3.88mgd with the average for the month being 3.24mgd. The average monthly **influent** flow was 5.03mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	Jan-20	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	30,000	30,000		
Centre Hills	0	0	Jan-20	Jan-20
Cintas	499,000	499,000	56.0	54.3
Red Line	466,000	466,000		
Uaja Wetland	6,266,000	6,266,000		
Wetland Vault	38,789,000	38,789,000		
Kissingers	1,303,000	1,303,000		

Stewarts/M.C.	2,000	2,000
TOTAL	47,355,000	47,355,000

REUSE TOTALS		
2019		394,565,500
2018		312,320,449
2017		328,702,910
2016		282,887,396
2015		248,280,380
2014		148,000,120
2013		89,951,200
2012		102,301,500
2011		88,411,500
2010		54,069,500
2009		42,818,000
2008		66,411,900
TOTAL		2,158,727,355

Plant Maintenance

- Rebuilt 2.4 hp Aeration train mixers.
- Unplugged Main Station pumps.
- Repaired water leak in Admin custodial closet.
- Replaced long belt scraper and started cleaning under the belt.
- Serviced VFD’s plant wide(filters).
- Replaced belts on MAU 1304, repaired motor mounts, and cleaned flame rod on MAU 1302.
- Collections assisted plant personnel in cleaning rags out of #4 Primary Tank at D/W.
- Replaced transducer in #4 Primary Tank.
- Recalibrated Septage receiving tank level transducers.
- Replaced actuator AV15 and a collar on AV13 on MF#1.
- The heaters have been replaced in both CIP tanks.
- SWF Industrial was in to reweld stainless steel tank in AWT.

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 (1,500 ft) of mainline – (480 ft) of lateral pipe – (1) Air Release.

Harris Reuse Project – Installed (840 ft) of 12” main, (32 ft) of 6” pipe.

Mainline Televising – (237 ft) televised – (2) manholes inspected.

Equipment maintenance.

Lift Station Maintenance:

Cleaned (4) lift station wet wells.

Replaced block heater at Graysdale 2B station.

Replaced telemetry radio at Outer station.

Ghaner station is now communicating through SCADA.
 Routine maintenance.

NEXT MONTH PROJECTS:

- Continue Greenbriar project.
- Continue Harris Reuse project.
- Cleaning wet wells.
- Flushing mains.
- New lateral on Kennard Rd and Trout Rd.

Inspection: Final As-Builts Approved: None.
 Mainline Construction:

- a. The Cottages at State College – (90%) Complete.
- b. Village of PSU phase 9&10 – Awaiting As-Builts..
- c. Dreibelbis Street Hotel –Awaiting As-Builts..
- d. Morningside Nursing Home – Reviewing As-Builts.

New Connections:

a. Single-Family Residential	9	c. Commercial	1
b. Multi-Family Residential	0	d. Non-Residential	0
TOTAL			10

PA One-Calls Responded to 1/1-31/20: 251

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

- The annual pump state capacity tables and sewer extension map are being prepared for the Chapter 94 Report.
- HRG is preparing an application for renewal of the Solid Waste Disposal and/or Processing Facility Permit.

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	470	-213	9/4/2019	0%	100%
17-04	9/4/2018	320	7/21/2019	470	-213	9/4/2019	0%	100%

*As of date of board meeting (2/19/2020).

The Contactor has scheduled the biofilter manufacturer to be on-site between February 18th-20th for partial start-up.

Progress Meeting No. 17 was held on February 5, 2020. Minutes have been prepared.

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	16	\$93,318.50	\$8,358,000.00	\$8,276,156.00	99.0	\$495,643.25
17-04	11	\$14,286.72	\$587,890.00	\$579,668	98.6	\$37,205.40

- The Contracts are 213 days beyond the date of Substantial Completion. Liquidated Damages in the amount of \$276,900.00 (\$1,300/day x 213 days) have accrued. The Owner is entitled to impose a set-off against payment to the Contractor for liquidated damages that have accrued. If a set-off is imposed, immediate notification must be provided stating the reason. Additional discussion will be provided at the meeting. Any imposed off-sets are not reflected in the aforementioned table.

Greenbriar Sanitary Sewer Design

- HRG is assisting with construction phase services as needed.

Shiloh Road Pump Station Upgrades

- The drawings and permit applications have been updated to reflect the changes to the pump station location and force main upgrades. A meeting is being scheduled with College Township to review the drawings prior to the submission of the planning module and permit applications.

Extension of Beneficial Reuse Water to Harris Township (1178.0637)

- Bidders were notified of the Authority's rejection of all bids.
- HRG is providing alignment and appurtenance stakeout for the project as needed.
- The drawings have been updated to illustrate open trench construction for three of the four highway crossings. The applications for permit amendments are ready to be submitted.

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

- A draft of the special study was submitted to staff for review.

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

- HRG is working to complete the study.

Developer Plan Reviews:

- The Developer's as-built drawings for the Cottages by Toll Brothers were received on February 7, 2020 and are under review.

6.8 Construction Report

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

General Services Items Completed for the Authority:

Pump Station SCADA Integration

- RETTEW is currently transitioning the pump stations from the old SCADA to the new SCADA network. Scenery Park, Outer Drive, Harris Drive, and Scott Road are in process.

WWTP NPDES Permit – Phosphorus Study

- Comments have been received from the PA DEP on the proposed Plan of Study, the majority relating to the data collection effort. We are addressing their comments and will provide a revised Plan of Study incorporating any needed changes to the data collection.

Sludge Storage Tank Mixer

- RETTEW has prepared contract documents for the installation of a new submersible mixer in the Sludge Storage Tank, as well as modifications to the aeration system. We anticipate receiving bids for the Board's consideration in March.

Aeration System Leaks

- Recent investigations have uncovered several significant leaks in the underground aeration piping between the Administration Building and the Aeration Tanks. We are preparing recommendations to address this air loss, which will lead to decreased operation of the aeration blowers.

Nutrient Credit Offsets – Solar Installation

- The PA DEP has provided an initial response denying the Authority's request for approval of nutrient offsets generated by reductions in nitrous oxide emissions through the transition to solar power. However, we feel that there is strong case yet to be made in the Authority's favor and have appealed this decision. The PA DEP has suggested a meeting with the EPA's Chesapeake Bay Office to continue this discussion.

ENR/AWT Upgrade Project

- Both contractors, Contract UAJA 2017-06 (HRI) and Contract UAJA 2017-08 (Biter), are in the process of completing all punchlist items.
- We recommend execution of Change Order No. 4 (Final) to Contract UAJA 2017-08 (Biter) in the amount of \$23,711.84. Change Order encompasses all remaining Work Change Directives and required Contract adjustments.
- We recommend payment of Application for Payment No. 11-Final for Contract UAJA 2017-08 (Biter) in the amount of \$85,686.74. This final application for payment includes the work associated with Change Order No. 4 as well as release of retainage.

Solar System (Phase I/II)

- The Interconnection Application for the Phase II Solar Array is being prepared for submission to First Energy/West Penn Power. RETTEW has begun regulatory design packages (such as zoning and land development).

6.9 Executive Director's Report

Mr. Miller stated that during phase 1 of the solar project the board appointed a committee consisting of Mr. Lapinski, Mr. Dempsey and Mr. Deitz. For the second phase of the solar project committee will need to be appointed again. Mr. Lapinski stated that he would forego his

committee seat if another member would want to serve. Mr. Guss stated he would serve on this committee.

Mr. Miller stated that this would be the last board meeting that Mr. Smith would be attending as an employee. Mr. Smith has submitted a notice that he will be retiring on February 29, 2020. Mr. Miller wished Mr. Smith well and thanked him for his many years.

7. Other Business

7.1 Executive Session

**Executive Session
Approved**

A motion was made by Mr. Derr, seconded by Mr. Daubert, to adjourn to an executive session at 4:43 p.m. The motion passed unanimously.

**Executive Session
Approved**

A motion was made by Mr. Guss, seconded by Mr. Daubert, to adjourn the executive session and return to the regular meeting at 5:05 p.m. The motion passed unanimously.

Construction Fund #202	Global Heavy Corporation	\$93,318.50
	Odor Control Gen Pay App 16	

**Requisitions
Approved**

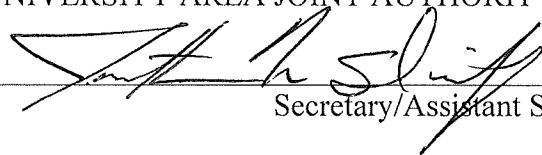
A motion was made by Mr. Guss, seconded by Mr. Ebaugh, to set off payment for the full amount of Construction Fund Requisition #202 for potential liquidated damages. The motion passed unanimously.

8. Adjournment

The meeting was adjourned at 5:10 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary