

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – September 19, 2018

1. Call to Order

Mr. Lapinski, Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:00 p.m. Wednesday, September 19, 2018. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Daubert, Derr, Ebaugh, Guss, Lapinski and Nucciarone; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Art Brant, Plant Superintendent; Jason Brown, Project Manager; David Gaines, Solicitors; Jeff Garrigan and Ben Burns, Consulting Engineers; Jason Wert and Michele Aukerman, RETTEW; Jim May, CRPA; Deb Hoag, State College Borough; Bill Steudler, CRPC; Ford Stryker, Ed Crow Gerry Hamilton and Deborah Benedetti; residents of Greenbriar and Kathy Wheeler, Recording Secretary.

2. Reading of the Minutes

2.1 UAJA Regular Meeting – August 15, 2018

UAJA
Meeting Minutes
Approved

A motion was made by Mr. Guss, seconded by Mr. Derr, to amend the minutes of the UAJA meeting held on August 15, 2018 to reflect Mr. Bridger being in attendance and not Mr. Nucciarone. The motion passed unanimously.

3. Public Comment

None.

4. Old Business

4.1 Greenbriar Sewer Service

A major problem was encountered when digging test pits to verify the location of telecommunications lines and electric lines. Those lines were spread out over all of the space between the edge of the road and the edge of the street right of way. There is no room for the sewer line installation at the depth required. Moving the sewer into the street was investigated and it was determined that because of the required stone backfill and paving, \$700,000 would be added to the project. Even if Ferguson Township relaxed the stone backfill requirement, the increase would still be \$500,000.

In a brainstorming session September 12, It was decided that the only way to get the project cost down and avoid placing the sewer lines under pavement is to redesign the system as a pressure sewer system. While gravity sewer is always the first choice, UAJA does have specifications to allow pressure sewer systems. The obstacles presented by the large trees and the telecommunications and electric utilities put this project well within the reasons for allowing a pressure sewer system.

There are many details to work out, and staff and HRG will be working to at least have a reasonable estimate of the change in cost for the project by the meeting. Indications are that the cost will drop at least to the original estimate of the gravity line, and perhaps lower.

If this option is pursued, the schedule would be to determine locations of grinder pumps and design the system with completion in time to review and take action at the October meeting, followed by formal letters to resident and a public meeting in early November, with the final decision on the project at the November board meeting.

After discussing the new option for a pressure sewer system,, the Board directed staff and HRG to develop the final design.

4.2 Union Contract

The contract with Local 1203C has been negotiated and ratified by the union members. Changes were made as follows:

Article VII Section 6 - Maximum accrual increased from 400 hours to 500 hours.

Article VII Section 7 – Sell back of vacation is triggered above 500 hours.

Article IX Section 8 – A new tier was added for 901-168 hours at 50%. Previously those hours were at 40%.

Article XVIII Section 2a – Dry fit and insulated underwear specifically added to the list of what uniform allowances can pay for.

Article XIX Section 5 – Duty pay increased from \$60 to \$100 for weekends and from \$40 to \$75 for holidays.

The entire contract was included in the agenda report to the Board and Staff.

**Union Contract
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Derr, to approve the Union Contract. The motion passed unanimously.

5. New Business

5.1 2019 Budget

The budgeting process for 2019 is underway. The tentative schedule to complete the 2019 budget is as follows:

9/5 – budget worksheets to supervisors

9/20 – return worksheets

10/3 – draft budget

10/9 – Board subcommittee meet with staff

10/12 – Final draft in packet

10/17 – adopt 2019 Budget

The subcommittee will consist of Mr. McShea, Mr. Guss and Mr. Daubert. The subcommittee and Staff will meet on October 9th.

5.2 Sale of Phosphorus Credits

Each year UAJA produces approximately 3200 P credits that we are able to trade (sell). For the past 3 years we had a contract with Furmano Foods to sell them our credits. Price in 2017 was \$5.00/credit. The current contract has expired. Staff believes \$5.00/ credit remains a favorable price for 2018.

**One Year Sale of
Phosphorus Credits
Contract
Approved**

A motion was made by Mr. Guss, seconded by Mr. Derr, to approve a one - year contract with Furmano Foods to sell our P credits for \$5.00 /credit. The motion passed unanimously.

5.2 Requisitions

Construction Fund #69	HRI ENR/AWT Pay App #4	\$777,125.56
Construction Fund #70	Myco Mechanical ENR/AWT Pay App #2	\$3,968.19
Construction Fund #71	HRG Harris Reuse Engineering	\$21,763.13
TOTAL CONSTRUCTION FUND		\$802,856.88

Requisitions Approved

A motion was made by Mr. Daubert, seconded by Mr. Nucciarone, to approve the Construction Fund #69-71. The motion passed unanimously.

BRIF #323	University Area Joint Authority Reimburse General Fund Payment 2/3 Mini Excavator	\$32,421.88
BRIF #324	Gannett Fleming Inc. GIS	\$3,274.65
TOTAL BRIF		\$35,696.53

Requisitions Approved

A motion was made by Mr. Derr, seconded by Mr. Daubert, to approve the Bond Redemption and Improvement Fund #323-324. The motion passed unanimously.

6. Reports of Officers

6.1 SCBWA Liaison

No report

6.2 Financial Report

Mr. Smith reviewed with the Board the different cost centers of the YTD budget report for the period ending August 31, 2018.

6.3 Chairman's Report

None.

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

<u>Mar. 2018</u>	<u>Apr. 2018</u>	<u>May 2018</u>	<u>Jun. 2018</u>	<u>Jul. 2018</u>	<u>Aug. 2018</u>
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Production	853 cu/yds.	886 cu/yds.	953 cu/yds.	860 cu/yds.	870 cu/yds.	875 cu/yds.
YTD. Production	2,709 cu/yds.	3,595 cu/yds.	4,548 cu/yds.	5,408 cu/yds.	6,278 cu/yds.	7,153 cu/yds.
Distribution	3,408 cu/yds.	66 cu/yds.	959 cu/yds.	939 cu/yds.	505 cu/yds.	968 cu/yds.
YTD. Distribution	4,745 cu/yds.	4,811 cu/yds.	5,770 cu/yds.	6,709 cu/yds.	7,214 cu/yds.	8,182 cu/yds.
Immediate Sale	1,110 cu/yds.	1,813 cu/yds.	1,829 cu/yds.	1,907 cu/yds.	2,309 cu/yds.	2,181 cu/yds.
Currently in Storage	1,963 cu/yds.	2,699 cu/yds.	2,782 cu/yds.	2,767 cu/yds.	3,179 cu/yds.	3,056 cu/yds.

SEPTAGE OPERATIONS

	<u>Mar. 2018</u>	<u>Apr. 2018</u>	<u>May 2018</u>	<u>Jun. 2018</u>	<u>Jul. 2018</u>	<u>Aug. 2018</u>
Res./Comm.	2,500 gals.	3,200 gals.	13,650 gals.	37,800 gals.	21,600 gals.	37,900 gals.
CH/Potter	5,533.95 lbs/solids	6,613.62 lbs/solids	6,624.46 lbs/solids	8,239.92 lbs/solids	4,119.96 lbs/solids	7,038.56 lbs/solids
Port Matilda	1,034.16 lbs/solids	2,568.72 lbs/solids	2,218.44 lbs/solids	1,467.84 lbs/solids	2,101.68 lbs/solids	1,134.24 lbs/solids
Huston Twp.	116.76 lbs/solids	383.64 lbs/solids	567.12 lbs/solids	567.12 lbs/solids	533.76 lbs/solids	617.16 lbs/solids
Total Flow	54,500 gals.	78,700 gals.	90,350 gals.	111,800 gals.	78,100 gals.	96,900 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 to our NPDES permits for the month of July 2018. The 12-month rolling average flow for July was 4.57mgd with the average for the month being 6.23mgd. The average monthly **influent** flow was 6.89mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	Aug-18	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	28,000	260,000		
Centre Hills	3,534,000	16,853,000	Aug-18	Aug-18
Cintas	664,000	5,076,000	69.5	70.0
Red Line	346,000	3,159,000		
Uaja Wetland	5,680,000	40,439,000		
Wetland Vault	13,700,000	131,923,000		
Kissingers	1,470,000	11,542,000		
Stewarts	380	6380		
TOTAL	25,422,380	209,258,380		

Plant Maintenance

- New DO probes were installed and put the old ones in storage.
- Installed level sensor in the carbon feed tank.
- Replaced a Dezurik valve on Primary Tank #4 discharge side.
- Repaired conduit and wiring for the gate.
- Replaced pinch valve on the grit removal system.
- Assisted operators with high flows during the recent downpours.
- Replaced a relay and reprogramed PLC on #2 Agitator at Compost.
- Replaced some lighting in Compost.
- Jetted drain line from Dewatering to Headworks.
- Cleaned the RO Unit and all three Microfilters.
- Repaired some leaks in the caustic delivery system for the Reuse water.

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:

Mainline Televising – (5,151' televised) – (43) manholes inspected.

Mainline Cleaning – (3,107 ft cleaned) – (23) manholes inspected.

Casting Repairs – (15).

Lateral Repairs – (3) – 1880 N. Oak Lane, 349 Laurel Lane, Mayes Memorial.

New Laterals – (2) – 2121 South Atherton St (Giant).

Repaired force main at Outer Drive station.

Assisted with brush grinding.

Lift Station Maintenance:

Replaced motor starter at Kaywood station.

Cleaned (8) lift station wet wells.

NEXT MONTH PROJECTS:

Casting adjustments for Twp. paving projects.

Clean Big Hollow Wet Well.

Continue televising mains for 2019 Twp. paving projects.

Start Princeton Dr. backlot project.

Inspection: Final As-Builts Approved: None

Mainline Construction:

- a. Branch Road Bridge (Penn Dot) –Complete – Awaiting As-Builts.
- b. N. Atherton Street Project (Penn Dot) – (95%) Complete.
- c. Kaywood North – Started Construction – (60%) Complete.
- d. Helix Subdivision – Started Construction – (50%) Complete.
- e. Winfield Heights – Started Construction – (65%) Complete.

New Connections:

a.	Single-Family Residential	12	c.	Commercial	0
b.	Multi-Family Residential	36	d.	Non-Residential	0

TOTAL 48

PA One-Calls Responded to 8/1-31/18: 497

6.7 Engineer's Report

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

Retainer

- Reviewed the CRPA Draft Scope of the Centre Region Act 537 Plan Update.
- Collaborating with the UAJA and Rettew pursuant to maintenance activities in the Compost Building.

Odor Control System Upgrades

- A Pre-Construction Conference was held on September 5th and notice-to-proceed was issued.
- Substantial Completion date is July 19, 2019.
- Monthly Progress Meeting will be held on the first Wednesday at 9 AM.
- Shop drawings are being processed and reviewed.
- The cast-in-place vessel design is being reviewed.

Greenbriar Sanitary Sewer Design

- The sanitary sewer design is being revised to account for alignment changes resulting from property owner requests and utility conflicts. Test pits were dug by the UAJA crew to verify utility locations, which identified conflicts with the original alignment.
- A community meeting to provide an opportunity for property owners to review the plans was held and attended on September 12th.
- The Sewage Facilities Application Mailer (request for exemption) and an Application for NPDES Permit for Stormwater Discharges Associated with Construction Activities will be prepared and submitted upon finalization of the alignment.
- Fill sites will need to be permitted since an NPDES Permit is required.

Extension of Beneficial Reuse Water to Harris Township

- Archeological and Environmental Surveys completed. No response has been received from the PHMC.
- Communications are ongoing with PennDOT to acquire a formal license to install the permanent facilities. It appears that dead tree removal can be completed in lieu of a continuing license fee.
- Permit applications are being prepared.

- Met with representatives from Mountain View to review Riparian Forested Buffer creation areas. A riparian buffer creation plan is being developed to enhance recently established buffer areas.
- Coordination with Harris Township is ongoing regarding the removal of buffer trees along Spring Creek.

Developer Plan Reviews:

- Two (2) Developer Plan submissions have been active since the last report.
- Revised design plans for Gray's Woods Planned Community Phase 6, Section A have been reviewed and were returned to the Developer on September 10, 2018 to address comments (1178.0650). Phase 6 was previously reviewed and approved; however the Developer now proposes a different footprint which necessitated revisions to the proposed sanitary sewer main extension.

The revised design plans (Design 003) for Centre Care, Inc. were reviewed and returned to the Developer for additional correction on September 4, 2018

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:
NPDES Permit

RETTEW submitted the Final NPDES Permit Application on November 22, 2017. We await the review of the document by the PA Department of Environmental Protection (DEP).

RO Membrane Replacement

RETTEW compiled project documents and has reached out to multiple vendors for quotes.

ENR/AWT Upgrade Project (094612009)

Contract Times								
Contract Number	Notice Proceed	Contract Time	Substantial Completion Date	Days Used	Days Remaining	Final Completion	Percent of Time Remaining	Time Used
2017-06	5/23/2018	365	5/23/2019	119	246	6/22/2019	67%	33%
2017-07	5/23/2018	365	5/23/2019	119	246	6/22/2019	67%	33%
2017-08	5/23/2018	365	5/23/2019	119	246	6/22/2019	67%	33%

- Shop drawings and RFIs continue to be processed and reviewed.
- Job Conference No. 3 was held Wednesday, August 29th, meeting minutes are attached.
 - Contract UAJA 2017-06 (HRI) has submitted Application for Payment No. 4 in

the amount of \$777,125.56. RETTEW has reviewed the payment application and recommends payment in the amount of \$777,125.56 to HRI for Contract UAJA 2017-06.

- Contract UAJA 2017 -07 (Myca) has submitted Application for Payment No. 2 in the amount of \$3,968.19. RETTEW has reviewed the payment application and recommends payment in the amount of \$3,968.19 to Myca Mechanical, Inc. for Contract UAJA 2017-07.

Payment Requests to Date

Contract Number	Application for Payment #	Current Payment Due	Contract Price to Date incld/CO	Total Work Completed to Date	% Monetarily Complete	Balance of Contract Amount incld/retainage
2017-06	4	\$777,125.56	\$8,375,000.00	\$1,274,907.85	15.22%	\$7,227,582.94
2017-07	2	\$3,968.19	\$39,900.00	\$14,044.50	35.20%	\$27,259.95
2017-08		\$0.00	\$1,025,700.00	\$0.00	0.00%	\$1,025,700.00
		\$781,093.75	\$9,440,600.00	\$1,288,952.35	13.65%	\$8,280,542.89

Outfall Project (094612015)

- The Water Quality Management Part II Permit and a GP-11 General Permit (replacement of water obstruction) have been submitted to the PA DEP and are currently under review. RETTEW has received minor erosion/sedimentation control comments on the GP-11 General Permit and expect to have them resolved within 10 days.

Update on Battery Energy Storage System

- Switchgear is in production and the subcontractors have mobilized.
- All underground duct work, concrete and pad improvements have been completed.
- Verizon has completed installation of the telecommunication extension to the BESS.
- First Energy/West Penn Power has had their meter cabinet delayed and we're awaiting delivery for wire/conduit to begin. First Energy intends to energize the system in early October.
- BESS Inverter and Battery Enclosure Equipment has shipped from Vermont and will be placed on the pad on September 20th. Switchgear and Transformer are slated for mid-October.
- Batteries will be installed in mid-October with intended startup in early November.

6.9 Executive Director's Report

The following comments are as presented to the Board in the written report prepared by Cory Miller, Executive Director.

Shiloh Road Area in Benner Township

Benner Township is evaluating options to provide sewer service to the Shiloh Road interchange area. Service by UAJA is included in their evaluation. The project to replace the Shiloh Road pump station has been placed on hold until we have more information on the Benner Township plans.

Kissinger Meadow NPDES Permit

DEP has indicated that they will be issuing something within the next few weeks.

Emergency Membrane Purchase

Mr. Miller stated that test results for the reverse osmosis membranes were received. The cleaning chemicals deteriorated the membrane material. These membranes were last replaced in 2015. The difference in cleaning technique and temperature are the major factors for the deterioration. Safe guards are in place and more would be installed if it were a drinking water source. The replacement costs are estimated to be \$169,000 to \$200,000.

**Emergency Membrane
Replacement
Approved**

A motion was made by Mr. Daubert, seconded by Mr. Nucciarone, to approve the Emergency Membrane Purchase up to \$250,000. The motion passed unanimously.

7. Other Business

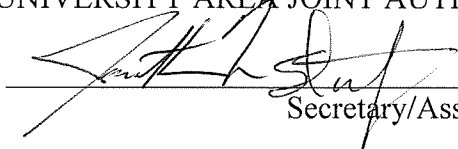
None.

8. Adjournment

The meeting was adjourned at 5:40 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary