

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – March 21, 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, March 21, 2018. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Dempsey, Derr, Ebaugh, Guss, Lapinski, and McShea; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Art Brant, Plant Superintendent; Mark Harter, Collection System Superintendent; Jason Brown, Project Manager; Dick Campbell, Solicitor; Jeff Garrigan and Ben Burns, Consulting Engineers; Steve Siegfried, RETTEW; Jim May, COG; Deb Hoag, State College Borough, Berny Hoffner, SCBWA Liaison; Dave Swisher, Penn State; Scott Shearer, Public Financial Management via phone; and Kathy Wheeler, Recording Secretary.

2. Reading of the Minutes

2.1 UAJA Regular Meeting – February 21, 2018

UAJA
Meeting Minutes
Approved

A motion was made by Mr. McShea, seconded by Mr. Dempsey, to approve the minutes of the UAJA meeting held on February 21, 2018 as submitted. The motion passed unanimously.

3. Public Comment

None.

4. Old Business

4.1 Capital Projects Financing – PFM

Scott Shearer of PFM and Tom Smida of Mette, Evans and Woodside will present a Parameters Resolution for the 2018 Bond Issue to secure the remaining financing necessary for the capital projects planned for the near future. (Odor Control, ENR/AWT, Outfall Cascade and Harris Reuse) It is anticipated that these bonds will be priced on March 26th and that the Board would ratify the sale at its April 18th meeting. Both the presentation and the Parameters Resolution were included in the Board packet.

Resolution 2018-01
Approved

A motion was made by Mr. Guss, seconded by Mr. Derr, to approve Resolution 2018-01. The motion passed unanimously.

5. New Business

5.1 Investment of Construction Funds using First Citizens Bank

A significant portion of UAJA's reserve funds are invested in CD's and managed by the State College branch of First Citizens Bank. The money held in the 2017 Construction Fund and the upcoming 2018 Construction Fund (approximately 20 million dollars) are held in a Money Market account with U.S. Bank. Due to the need for liquidity of these funds, the funds can't be converted to CD's. However, First Citizens Bank has proposed a Money Market account for these funds that yield a significantly higher interest rate than the current Money Market at U.S. Bank. The Board prefers local investment and the interest rate proposed by First Citizens is higher than the current rate. U.S. Bank requires a Resolution to direct them, as Trustee, to transfer the funds to First Citizens. The Resolution was included in the Board packet.

**Resolution 2018-02
 Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Derr, to approve Resolution 2018-02. The motion passed unanimously.

5.2 Final Design: Lawnwood Avenue

Final design drawings for the Lawnwood Avenue sewer extension (Harris Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 2 EDUs of single family homes. The review comments have been addressed.

**Final Design:
 Lawnwood Avenue
 Approved**

A motion was made by Mr. McShea, seconded by Mr. Guss, to approve the Final Design Lawnwood Avenue. The motion passed unanimously.

5.3 Requisitions

BRIF #309	Gannett Fleming GeoDecisions – GIS	\$1,405.05
BRIF #310	Teledyne Isco Refrigerated Sampler	\$5,955.00

**Requisitions
 Approved**

A motion was made by Mr. McShea, seconded by Mr. Dempsey, to approve the BRIF Requisitions #309 -310. The motion passed unanimously.

Construction Fund #40	Centre Region Code Odor Control permit	\$22,312.80
Construction Fund #41	Centre Region Code AWT/ENR permit	\$21,079.50
Construction Fund #42	College Township Odor Control zoning permit	\$2,359.40
Construction Fund #43	College Township AWT/ENR zoning permit	\$2,250.00
Construction Fund #44	Rettew P Instrument and Panelview	\$39,429.00
Construction Fund #45	Rettew AWT/ENR Bid Phase	\$7,800.00
Construction Fund #46	Rettew Outfall Project	\$15,071.50
Construction Fund #47	HRG Odor Control Bid Phase	\$4,750.00

**Requisitions
 Approved**

A motion was made by Mr. Dietz, seconded by Mr. Guss, to approve the Construction Fund Requisitions #40-47. The motion passed unanimously.

6. Reports of Officers

6.1 SCBWA Liaison

Mr. Hoffner reviewed with the Board some key points of the State College Borough Water Authority (SCBWA) meeting. The Water Authority was asked their opinion regarding the 4000 foot force main for The Cottages project because they own land in this area. The question the Water Authority has is why the project isn't looking at utilizing the short distant alternative. Mr. Miller stated that UAJA staff will get more exact information regarding the distances of the alternatives.

The Water Authority Board has received a packet regarding the park development. This information has not been reviewed.

The Water Authority will work closely with UAJA regarding the Source Water Protection Plan.

6.2 Financial Report

Mr. Smith reviewed with the Board the YTD budget report for the period ending February 28, 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>Sep. 2017</u>	<u>Oct. 2017</u>	<u>Nov. 2017</u>	<u>Dec. 2017</u>	<u>Jan. 2018</u>	<u>Feb. 2018</u>
Production	706 cu/yds.	836 cu/yds.	860 cu/yds.	945 cu/yds.	896 cu/yds.	960 cu/yds.
YTD. Production	7,285 cu/yds.	8,121 cu/yds.	8,981 cu/yds.	9,926 cu/yds.	896 cu/yds.	1,856 cu/yds.
Distribution	809 cu/yds.	633 cu/yds.	994 cu/yds.	794 cu/yds.	1,201 cu/yds.	136 cu/yds.
YTD. Distribution	6,334 cu/yds.	6,967 cu/yds.	7,961 cu/yds.	8,755 cu/yds.	1,201 cu/yds.	1,337 cu/yds.
Immediate Sale	2,380 cu/yds.	2,414 cu/yds.	2,595 cu/yds.	2,661 cu/yds.	2,405 cu/yds.	3,165 cu/yds.
Currently in Storage	3,086 cu/yds.	3,250 cu/yds.	3,455 cu/yds.	3,606 cu/yds.	3,301 cu/yds.	4,125 cu/yds.

SEPTAGE OPERATIONS

	<u>Sep. 2017</u>	<u>Oct. 2017</u>	<u>Nov. 2017</u>	<u>Dec. 2017</u>	<u>Jan. 2018</u>	<u>Feb. 2018</u>
Res./Comm.	10,900 gals.	2,000 gals.	0 gals.	1,150 gals.	3,100 gals.	1,050 gals.

CH/Potter	5,258.37 lbs/solids	3,306.81 lbs/solids	4,678.74 lbs/solids	5,746.26 lbs/solids	2,927.34 lbs/solids	5,637.84 lbs/solids
Port Matilda	892.38 lbs/solids	1,506.20 lbs/solids	1,271.02 lbs/solids	1,467.84 lbs/solids	1,534.56 lbs/solids	2,768.88 lbs/solids
Huston Twp.	733.92 lbs/solids	1,217.64 lbs/solids	0 lbs/solids	767.28 lbs/solids	767.28 lbs/solids	650.52 lbs/solids
Total Flow	71,900 gals.	54,000 gals.	42,500 gals.	62,150 gals.	43,200 gals.	74,450 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.

Mr. Brant stated that over a billion gallons of reuse water has been put back into the aquifers.

Plant Operation

The treatment plant is operating well with no exceptions to our NPDES permits for the month of February 2018. The 12-month rolling average flow for February was 4.17mgd with the average for the month being 6.03mgd. The average monthly influent flow was 6.70mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	Feb-17	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	30,000	55,000	Feb-18 54.1	Feb-18 51.3
Centre Hills	0	0		
Cintas	591,000	1,339,000		
Red Line	351,000	947,000		
Uaja Wetland	4,795,000	8,588,000		
Wetland Vault	18,623,000	38,366,000		
Kissingers	1,375,000	2,835,000		
Stewarts	1000	2000		
TOTAL	25,766,000	52,132,000		

Plant Maintenance

- Remodeled kitchenette in the large conference room.
- Installed new Indeco Ultra-safe Explosion proof heater in the Headworks Bldg.
- Replaced contactor in Emergency back-up heat unit for HP#3.
- Reprogrammed Humidifier in Tert. Bldg. Also serviced unit.
- Installed sub-base for MAU 1304 burner control.
- Rewired sub-base unit for MAU 1305 to work with new burner control box.
- Installed and started new Tuthill Blower #2 for Big Bertha.
- CIP all three Micro-filters.

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 Cleaning – (59) manholes inspected – (10,591’) of mainline cleaned.
- Mainline Televising – (1541’ televised) – (12) manholes inspected.
- Casting Repairs – (5).
- Lateral Repairs – (2) 182 Dannely Dr. / Old Stone Valley Construction Shop.
- I&I Repairs – Manholes grouted – (6) repaired / estimated 100 GPM of infiltration eliminated.
Lateral C.O. – (16) repaired / estimated 250 GPM of infiltration eliminated.
- Brushing – Continued brushing on the Western Patton and Colonnade interceptors.

Lift Station Maintenance:

- Repaired (3) spare 3127 Flygt pumps.
- Repaired (1) E-One pump core.
- Cleaned (9) lift station wet wells.
- Routine Maintenance.

NEXT MONTH PROJECTS:

- Continue I&I work on the College/Harris interceptors.
- Continue grouting repairs in Pine Grove system.
- Install new lateral on Branch Road (single family).
- Lateral repair on W. Chestnut Street.
- Start main and lateral repairs for TWP. Paving projects.

Inspection: Final As-Builts Approved: None:

Mainline Construction:

- a. The Gates 4 – Awaiting As-Builts.
- b. Branch Road Bridge (Penn Dot) –Complete – Awaiting As-Builts.
- c. Mountain View Country Club Hotel – Started Construction (75%) Complete.
- d. Aeropointe – Started Construction (98%) Complete.
- e. The Station – Started Construction.

New Connections:

a.	Single-Family Residential	4	c.	Commercial	0
b.	Multi-Family Residential	2	d.	Non-Residential	0
TOTAL					6

PA One-Calls Responded to 2/1-28/18: 214

6.7 Engineer’s Report

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

Retainer

- Prepared pump station capacity tables and the extension map for the Chapter 94 Report.
- Reviewed and provided comments on the draft NPDES Permit for the Beneficial Reuse Water (i.e. ponds, stream augmentation, wetlands).
- Reviewed and provided comments on the PSU Act 537 Plan Special Study.

Odor Control Study

- Bids will be received on April 4th at 2:00 PM. There appears to be notable interest in the project.
- The College Township Zoning permit and the CRCA Building Code Permit applications have been submitted. Permit fees were re-evaluated based on a comparison of total estimated project cost and applicable costs, excluding cost items for construction management, equipment, media, etc. College Township and the Code Agency are reviewing the revised costs and corresponding fees.

Extension of Beneficial Reuse Water to Harris Township (1178.0637)

- The preliminary alignment was mapped using the Authority's GPS equipment and inputted into preliminary design drawings.
- HRG is coordinating environmental and archeologic surveys in order to affirm the alignment.

Developer Plan Reviews:

- Four (4) Developer Plan submissions have been active since the last report.
- The design plans for The Cottages by Toll Brothers were received and comments were returned to the developer on March 4, 2018. A meeting was held with the developer's engineer and Mark Harter on March 8, 2018 to discuss the requested revisions.
- The submittals for the pump station for Kaywood North were received on March 5, 2018 and are under review.
- The as-built plans for the Gates Phase 4 were received on March 8, 2018 and are under review.
- The design plans for Dreibelbis Street Hotel (3rd design submission) were received on March 12, 2018 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.

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.

Miscellaneous Projects

- Solar Fence/Main Gate – The Contractor has received all the materials for the main gate replacement and has been awaiting favorable weather for installation. This is anticipated to be completed in next 30 days and ready for final closeout payment in April 2018.
- Garage Door Replacement – The work has been completed and a Substantial Completion Inspection will be held in next 30 days. The project is anticipated to be ready for final closeout payment in April 2018.

- Aeration Blower Piping – Over the past six months, there have been periodic difficulties in maintaining a suitable dissolved oxygen content in the Aeration Tanks. While treatment has not been compromised, the aeration blowers have been noted to run in excess of expected conditions. Through some careful observation by the Authority Staff, it was noted that the aeration blower output was approximately 40% greater than the actual delivered air to the Aeration Tanks.

An ensuing investigation revealed a number of suspected interior and exterior leaks in the aeration piping. After a solicitation process, Hickes Associates of Huntingdon, PA has been contracted to remove insulation and repair leaks inside the Administration Building. This work began March 19th and we'll provide an update at the Board Meeting.

ENR/AWT Upgrade Project

- See separate correspondence on the Bid Results and Recommendations.

Outfall Project

RETTEW has completed the field work for the Outfall Replacement Project, including Wetland Delineation, Topographic Survey and Cultural Resource Research/Notification.

- The Authority and RETTEW are reviewing potential options for the project.

SCADA Integration – Phosphorus Probe/OIT Replacement

- RETTEW has completed the replacement of two failed Operator Interface Terminals (OITs) within the plant and has installed a new Phosphorus probe to measure Dissolved Phosphorus entering the Tertiary Filters. This will allow for closer monitoring of anticipated outfall phosphorus levels, troubleshooting coagulant dosage, and preparations for adjusting chemical doses prior to the new denitrification filters.

Update on Battery Energy Storage System

- Switchgear modifications have been coordinated with West Penn Power and they are proceeding on the installation of these components.
- Concrete work will begin once the latest bout of weather has cleared. Concrete and site work anticipated to be completed by April 30th.
- Remainder of components are in production.

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.

Gordon D Kissinger Meadow NPDES Draft Permit

Comments were due by March 14, 2018. UAJA submitted comments March 13th. A copy of the comment letter was included in the Board packet. Other comments were submitted by Centre Region COG, College Township, Trout Unlimited, and the Pennsylvania Fish and Boat Commission. There may have been other comments submitted that. The next action will be by DEP. DEP was not able to provide a schedule due to the extensive comments received.

Solar Power

There is still no agreement executed agreement. UAJA will begin paying for the power it uses April 1st.

Toll Brothers

The project is on hold until all the entities can meet.

Union Contract Negotiations

The Union contract will end June 30, 2018. Jeff Bridgers, Walter Ebaugh and Garry McShea have volunteered to be on the sub-committee for the negotiations.

PSU Upgrade

The Board reviewed a list of comments that were prepared for their consideration regarding the PSU Upgrade project.

**Comments
Approved**

A motion was made by Mr. McShea, seconded by Mr. Ebaugh, to keep UAJA comments informal. The motion passed unanimously.

7. Other Business

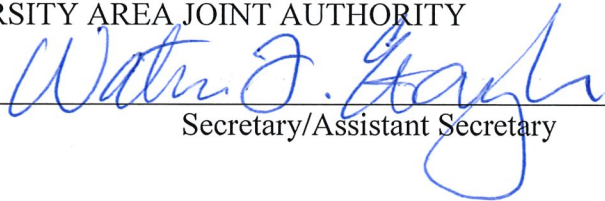
None

8. Adjournment

The meeting was adjourned at 5:00 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary