

**MINUTES**  
**UNIVERSITY AREA JOINT AUTHORITY**  
**1576 SPRING VALLEY ROAD**  
**STATE COLLEGE, PA 16801**  
**Regular Meeting – November 16, 2016**

**1. Call to Order**

Mr. Schmalz, Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:03 p.m. Wednesday, November 16, 2016. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Dempsey, Dietz, Guss, Lapinski, McShea, Schmalz; and Spac, Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Jason Brown, Project Manager; Dick Campbell and David Gaines, Solicitors; Ben Burns, Doug Weikel and Tom Holleran, Consulting Engineers; Jason Wert and Steve Siegfried, Construction Engineer; Amy Kerner, State College Borough; Jim May and Greg Garthe, CRPA, Sharon Bressler, CRCP; Catherine Watt and Kevin Mullen.

**2. Reading of the Minutes**

**2.1 UAJA Regular Meeting – October 16, 2016**

**UAJA**  
**Meeting Minutes**  
**Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Dempsey, to approve the minutes of the UAJA meeting held on October 16, 2016 as presented. The motion passed unanimously.

**3. Public Comment**

Mr. Mullen stated that he has several items that he would like to discuss with the Board in an executive session. Mr. Schmalz stated that this information has been reviewed and that the Board supports the decision that the Staff has already made. The Board will not hold an executive session to discuss this matter any further since it has been addressed already.

**4. Old Business**

**4.1 2017 Bond Issue**

An updated report on the \$20 million bond issue has been included in the agenda report. Two alternatives are being considered:

1. Two separate bank qualified borrowings, the first occurring in early 2017, and the second in early 2018.
2. A single non-bank qualified borrowing early in 2017.

The two options will continue to be evaluated as we get closer to the time of making a selection. It is expected that pricing of the bonds will occur in mid January, with the settlement occurring in February.

Representatives of UAJA's financial consultant, Public Financial Management, will be at the December meeting to provide an update and assist in initiating the formal process of issuing the bonds.

**Resolution 16-02**

This is part of the fix to allow S&T Bank to invest money and still allow the Trustees to have control of the funds.

**Resolution 16-02  
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Spac, to approve Resolution 16-02. Motion passed unanimously.

#### 4.2 Beneficial Reuse Distribution System Expansion Report

At the October meeting, the Board appointed a subcommittee to review the CRPA draft report and provide comments. The subcommittee met and a comment document was available for the board meeting. In general, the committee suggests that the beneficial reuse service area be very broad, and should include, as a minimum, all land within the Centre Region municipalities that is also within the Spring Creek watershed. The committee also suggests that Penn State and the Centre Region should work together on a joint water reuse plan. Also suggested was an explanation that clearly describes any water reuse as benefitting the environment, since the amount of water reused would not be pumped out of the ground.

### 5. New Business

#### 5.1 Requisitions

BRIF #238	Dale Summit Acquisitions November 2016 Lease Pymt.	\$25,000.00
BRIF #239	Conviber Incorporated Conveyer Belt Replacement	\$11,811.00
BRIF #240	By-Crete Manholes & Accessories Suburban Backlot Project	\$12,431.00
TOTAL BRIF		\$49,242.00

**Requisitions  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Guss, to approve the BRIF Requisitions #238-240. The motion passed unanimously.

### 6. Reports of Officers

#### 6.1 Financial Report

Mr. Smith reviewed with the Board the YTD budget report for the period ending October 2016.

#### 6.2 Chairman's Report

None

#### 6.3 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>May 2016</u>	<u>Jun. 2016</u>	<u>Jul. 2016</u>	<u>Aug. 2016</u>	<u>Sep. 2016</u>	<u>Oct. 2016</u>
<b>Production</b>	749 cu/yds.	943 cu/yds.	626 cu/yds.	677 cu/yds.	664 cu/yds.	875 cu/yds.
<b>YTD. Production</b>	3,733 cu/yds.	4,676 cu/yds.	5,302 cu/yds.	5,979 cu/yds.	6,643 cu/yds.	7,518 cu/yds.
<b>Distribution</b>	786 cu/yds.	662 cu/yds.	623 cu/yds.	1,100 cu/yds.	1,085 cu/yds.	1,079 cu/yds.
<b>YTD. Distribution</b>	3,561 cu/yds.	4,223 cu/yds.	4,846 cu/yds.	5,946 cu/yds.	7,031 cu/yds.	8,110 cu/yds.
<b>Immediate Sale</b>	1,665 cu/yds.	1,755 cu/yds.	2,075 cu/yds.	1,601 cu/yds.	1,236 cu/yds.	952 cu/yds.
<b>Currently in Storage</b>	2,414 cu/yds.	2,698 cu/yds.	2,701 cu/yds.	2,278 cu/yds.	1,900 cu/yds.	1,827 cu/yds.

### SEPTAGE OPERATIONS

	<u>May 2016</u>	<u>Jun. 2016</u>	<u>Jul. 2016</u>	<u>Aug. 2016</u>	<u>Sep. 2016</u>	<u>Oct. 2016</u>
<b>Res./Comm.</b>	6,600 gals.	0 gals.	0 gals.	0 gals.	7,000 gals.	10,350 gals.
<b>CH/Potter</b>	8,348.34 lbs/solids	8,836.23 lbs/solids	8,335.83 lbs/solids	1,164.26 lbs/solids	1,680.51 lbs/solids	5,692.05 lbs/solids
<b>Port Matilda</b>	1,517.88 lbs/solids	1,901.52 lbs/solids	1,467.84 lbs/solids	1,351.08 lbs/solids	1,534.56 lbs/solids	1,117.56 lbs/solids
<b>Huston Twp.</b>	0 lbs/solids	600.48 lbs/solids	650.52 lbs/solids	800.64 lbs/solids	733.92 lbs/solids	500.40 lbs/solids
<b>Total Flow</b>	74,600 gals.	86,500 gals.	63,500 gals.	32,900 gals.	42,000 gals.	62,350 gals.

#### 6.4 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 no exceptions to our NPDES permit. The 12-month rolling average flow for October was 3.93mgd with the average for the month being 4.26mgd. The average monthly **influent** flow was 5.17mgd. There were no plant inspections this month. Treatment units on line are as follows: primary clarifiers #4, #5 and #6; aeration basins #1 and #2; secondary clarifiers #1, #2, and #3; eight tertiary filters.

Below is the chart for Reuse Distribution and Temperature Data:

	<u>Oct-16</u>	<u>YTD</u>	<u>Plant Effl. Temp</u>	<u>Wetland Effl. Temp.</u>
<b>Best Western</b>	22,000	251,000		
<b>Centre Hills</b>	5,520,000	51,600,000	<u>Oct-16</u>	<u>Oct-16</u>
<b>Cintas</b>	732,000	7,706,000	70.1	68.1
<b>Red Line</b>	214,000	3,247,000		
<b>Uaja Wetland</b>	571,000	35,584,000		
<b>Wetland Vault</b>	15,678,000	122,249,000		
<b>Kissingers</b>	1,198,000	10,399,000		

Stewarts	2500	6,396
<b>TOTAL</b>	<b>23,937,500</b>	<b>231,042,396</b>

### **Plant Maintenance**

- Repaired the roof on the Admin. Bldg.
- Replaced the scum trough seals in Primary Tanks #1 and #2.
- Rebuilt the high rate Alum Pump.
- Began sealing cracks in the roadway around the plant.
- Replaced the transmitter and membrane in the DO Probe on Train 1 Zone 1.
- Cummins serviced the Plant and Main Station emergency generators.
- Replaced the motor on RAS Telescopic Tube #2.
- Replaced the 1" air valve and the actuator for AV-12, repaired the actuators for AV-6 and AV-7 on MF#1.
- Lepley Electric tested the oil, transformer, and power cables for the D/W Bldg. transformer. No problems were noted.
- Replaced an output card in the Main Centrifuge Control Panel.
- Conviber replaced both the long and short belts at D/W and Compost.
- The factory rebuilt Tuthill Blower that was installed last month failed and is being sent back for repair under warranty.

### **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:**

Casting repairs – (5).

Suburban back lot project Phase 2 (Suburban Park) – Construction is 65% complete.

Backfilled exposed 30" interceptor along Fox Hollow Road, due to rain storm.

Mainline Televising – (624.6) ft televised – (6) manholes inspected.

#### **Lift Station Maintenance:**

Replaced coil and start capacitor at Persia lift station.

Replaced shut off float at Graysdale 2A lift station.

Serviced generators at all lift stations.

Cleaned (5) lift station wet wells.

Rebuilt (2) E-One pump cores..

#### **NEXT MONTH PROJECTS:**

Suburban back lot Phase #2.

Mainline TV inspection of 2017 Township paving projects.

Routine pump maintenance at lift stations.

Cleaning of wet wells at lift stations.

Flushing of mains in our service area.

**Inspection:** Final As-Builts Approved: The Gates Phase 5

#### **Mainline Construction:**

a. Hunters Chase Phase 6 – Construction is 20% complete.

PA One-Calls Responded to 10/1-31/16: 349

## 6.6 Engineer's Report

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

### Retainer

Attendance at monthly project status meetings and regularly scheduled board

### Odor Control Study Upgrades

- Reviewed the Owner's Project Requirements with staff and issued meeting minutes.
- Three of the six geotechnical borings are complete. The remaining borings are anticipated to be completed by the board meeting.
- Preliminary design is progressing and HRG is coordinating with Rettew and the ENR/AWT Project for equipment consistency.
- Assisted with the location of utilities within the proposed biofilter footprint. Additional field survey was completed to capture located utilities.

### Overlook Heights Sanitary Sewer Replacement: Suburban Avenue Backlot

- Construction is underway and Record Drawings will be prepared when completed.

### Special Study for Act 537 Plan Update Revisions

- A meeting has been scheduled for Thursday, November 17<sup>th</sup> with the Centre Regional Planning Agency Director and staff to review the scopes of the Special Studies for the Meeks Lane Pump Station and the Extension of Beneficial Reuse service into Harris Township.

### Record Drawing and GIS Data Review

- Assisting staff with compiling Record Drawings and GIS Data for historic projects.

### Wetland NPDES Permit: Application for Renewal

- Assisted with developing a pollutant sampling plan.
- A meeting has been scheduled for Monday, November 14<sup>th</sup> to review the renewal process with staff.

### Developer Plan Reviews:

- No Developer design plans are under review as of November 9th.
- The As-Built Plans for The Gates Townhomes, Phase 5 were recommended to Staff for acceptance.

## 6.7 Construction Report

General Services (094612003)

General Services Items Completed for the Authority:

*SCADA*

- ☐ Coordination of Network Evaluation for SCADA System with Authority Staff and Applied Control Engineering, Inc. (ACE). ACE is on-site November 9<sup>th</sup> through 11<sup>th</sup> to finish the major portion of the work. Outstanding items include the troubleshooting of the AWT network connection and verification of reporting and datalogging.

*DEWATERING PROJECT*

- ☐ Allied has provided final record drawings and RETTEW is spot checking the panels the week of November 14<sup>th</sup> to finalize the closeout of the contract.

*NUTRIENTS*

- ☐ A Pilot Report is under development for the US EPA and a draft will be reviewed with Authority Staff the week of November 14<sup>th</sup>.

*SOLAR ENERGY*

- ☐ An update will be provided at the Authority's Board Meeting.

☐ ENR/AWT Upgrade Project (094612009)

- ☐ A Kickoff and First Meeting focused on the Overall Improvements was held on October 26<sup>th</sup>.
  - ☐ Major subjects of discussion have centered on the following:
    - o Equalization of the Plant Effluent Flows to ensure 24/7 feed to the AWT Building
    - o Potential options for the upgrade of the AWT Feed Pump Station
    - o Carbon Feed Improvements
    - o Yard Piping Modifications to the AWT and Interface with Odor Control Project.
- RETTEW  
and HRG are coordinating on these efforts

- ☐ The second design meeting will be held the week of November 14<sup>th</sup>.
- ☐ RETTEW has corresponded with the PA DEP, and based on those discussions and a description of the plant upgrades, the PA DEP has indicated that this does not require an Act 537 Plan Amendment as the facility hydraulic flows are not being modified in a way that is inconsistent with previous Act 537 Planning. RETTEW is following up with a letter to document the conversation and this will allow for a quicker transition to implementation for the Authority.

**6.8 Executive Director's Report**

No additional comments were presented.

**7. Other Business**


None

**8. Adjournment**

The meeting was adjourned at 4:50 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

  
Secretary/Assistant Secretary