

**MINUTES**  
**UNIVERSITY AREA JOINT AUTHORITY**  
**1576 SPRING VALLEY ROAD**  
**STATE COLLEGE, PA 16801**  
**Regular Meeting – November 15, 2017**

**1. Call to Order**

Mr. Schmalz, Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:00 p.m. Wednesday, November 15, 2017. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Dempsey, Derr, Dietz, Ebaugh, Guss, Lapinski, McShea, Nucciarone and Schmalz; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Jason Brown, Project Manager; David Gaines, Solicitor; Ben Burns, Tom Holleran and Jeff Garrigan, Consulting Engineers; Jason Wert and Steve Siegfried, Holly Southerland, RETTEW; Deb Hoag, State College Borough; Cynthia Hahn, C-NET; Tom Songer, Torron Group and Kathy Wheeler, Recording Secretary.

**2. Reading of the Minutes**

**2.1 UAJA Regular Meeting – October 18, 2017**

<b>UAJA Meeting Minutes Approved</b>
--

A motion was made by Mr. Guss, seconded by Mr. Dietz, to approve the minutes of the UAJA meeting held on October 18, 2017. The motion passed unanimously.

**Public Comment**

Cynthia Hahn, Executive Director of C-NET, reviewed with the Board recent C-NET by-law changes which may present opportunities for UAJA. Ms. Hahn stated that the 2018 membership fee for 12 meetings is \$8,000. If done on a meeting by meeting bases the cost is \$650 +/- with a three-week notice. The Board directed that this proposal be put on the December's meeting agenda.

**4. Old Business**

**4.1 Request for Adjustment of EDU Assignment, 1963 Cato Avenue Building A**

Tom Songer II has requested that the UAJA Board consider adjusting the EDU assignment for 1963 Cato Ave, Building A. A copy of the annual commercial questionnaire for this building is included in the agenda report. Based on this form, and the UAJA rate resolution, staff has assigned 6 EDU's to this building for quarterly billing purposes.

At the request of Mr. Songer, a copy of an email exchange between Mr. Songer and the UAJA Executive Director was included in the agenda report for the Board's review. Additionally, at Mr. Songer's request, a copy of Mr. Songer's presentation to the COG General Forum September 25, 2017, was also included for the Board's review.

<b>Request Denied</b>
-----------------------

A motion was made by Mr. Lapinski, seconded by Mr. Dietz, to deny the request for EDU assessment for 1963 Cato Avenue Building A. The motion passed unanimously.

**5. New Business**

**5.1 Contract 2017-06 AWT/ENR Project Update – 95% Design**

Rettew has achieved 95% of Final Design on the AWT/ENR project. Mr. Wert, Rettew, gave a presentation on the plans and design. The project is to go out for bid in December.

**5.2 Contract 2017-11 Outfall Cascade Project**

DEP and the Centre County Conservation Service have mandated that UAJA must improve its discharge outfall to Spring Creek due to erosion and undercutting of the stream bank. Since we will need to elevate effluent Dissolved Oxygen (DO) after treatment through the Denitrification Filters, we have proposed construction of an Outfall Cascade and outfall structure that will naturally elevate DO levels to acceptable levels. Rettew will explain the project and how it dovetails with the needs of the AWT/ENR project. An engineering proposal for this project is included in the packet

**Municipal Sludge  
Disposal Rate  
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Dempsey, to approve engineering proposal from Rettew for the Outfall Cascade Project. The motion passed unanimously.

**5.3 Contract 2017-5 Garage Door Replacement Project**

Six garage doors in the Administration/Blower Building are not insulated and need replaced with energy efficient insulated doors. Another door at Compost is damaged and needs replaced. The project was bid on PennBid and the Certified Bid Tabulation for this project is in Rettew's report.

Number of Bids	One
Low Bid	Central PA Dock and Door, LLC (Yeagertown, PA)
<b>Low Bid Amount</b>	<b>\$44,136.00</b>

**Contract 2017-5  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Nucciarone, to award Contract 2017-05 to Central PA Dock and Door (Yeagertown, PA) for \$44,136.00. The motion passed unanimously.

**5.4 Contract 2017-10 Solar Fencing Project**

Part of UAJA's obligation for the Solar Project is to construct a fence around the array. This project was bid on PennBid and the Certified Bid Tabulation is in Rettew's report.

Number of Bids	Seven
Low Bid	Apollo Fence Company (Richfield, PA)
<b>Low Bid Amount</b>	<b>\$41,999.00</b>

**Contract 2017-10  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Gus, to award Contract 2017-10 to Apollo Fence Company for \$41,999. The motion passed unanimously.

### 5.5 Contract 2017-02 Feedstock Mixer Replacement Project

This project was bid on PennBid and there were zero bidders. Rettew is now negotiating with a manufacturer on a sole source basis.

### 5.6 Requisitions

BRIF #292	Gannett Fleming Companies GeoDecisions – GIS	\$2,796.78
BRIF #293	Breon’s Incorporated Outer Dr. Transfer Switch	\$1,141.37
BRIF #294	Your Building Center Outer Dr. Fence	\$1,386.69
BRIF #295	HRG Shannon Dr. ROW	\$580.50

**Requisitions  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Lapinski, to approve the BRIF Requisition #292-295. The motion passed unanimously.

Construction Fund #24	College Township Plan Review – Odor Project	\$324.00
Construction Fund #25	Rettew Solar Survey/Replat Inv #'s 129490 & 130561	\$3,250.00
Construction Fund #26	Rettew ENR/AWT Engineering Inv #'s 129488 & 130559	\$41,360.00
Construction Fund #27	L/B Water Materials AWT/ENR drain line Inv # 3122680	\$7,877.40
Construction Fund #28	L/B Water Solar Reuse Line Inv #'s 3126620 & 3126623	\$6,818.65

**Requisitions  
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Derr, to approve the 2017 Construction Fund Requisitions #24 and 28. The motion passed unanimously.

Revenue Fund #154	Operation, Maintenance and Debt Service	\$1,000,000
-------------------	--	-------------

**Requisitions  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Dietz, to approve the Revenue Fund Requisitions #154 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 YTD budget report for the period ending October 31, 2017.

**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

	<u>May 2017</u>	<u>Jun. 2017</u>	<u>Jul. 2017</u>	<u>Aug. 2017</u>	<u>Sep. 2017</u>	<u>Oct. 2017</u>
<b>Production</b>	970 cu/yds.	897 cu/yds.	662 cu/yds.	822 cu/yds.	706 cu/yds.	836 cu/yds.
<b>YTD. Production</b>	4,198 cu/yds.	5,095 cu/yds.	5,757 cu/yds.	6,579 cu/yds.	7,285 cu/yds.	8,121 cu/yds.
<b>Distribution</b>	569 cu/yds.	1,557 cu/yds.	143 cu/yds.	861 cu/yds.	809 cu/yds.	633 cu/yds.
<b>YTD. Distribution</b>	2,964 cu/yds.	4,521 cu/yds.	4,664 cu/yds.	5,525 cu/yds.	6,334 cu/yds.	6,967 cu/yds.
<b>Immediate Sale</b>	2,399 cu/yds.	1,829 cu/yds.	2,566 cu/yds.	2,367 cu/yds.	2,380 cu/yds.	2,414 cu/yds.
<b>Currently in Storage</b>	3,369 cu/yds.	2,726 cu/yds.	3,228 cu/yds.	3,189 cu/yds.	3,086 cu/yds.	3,250 cu/yds.

SEPTAGE OPERATIONS

	<u>May 2017</u>	<u>Jun. 2017</u>	<u>Jul. 2017</u>	<u>Aug. 2017</u>	<u>Sep. 2017</u>	<u>Oct. 2017</u>
<b>Res./Comm.</b>	10,650 gals.	8,000 gals.	1,750 gals.	2,000 gals.	10,900 gals.	2,000 gals.
<b>CH/Potter</b>	8,402.55 lbs/solids	4,662.06 lbs/solids	4,561.98 lbs/solids	4,553.64 lbs/solids	5,258.37 lbs/solids	3,306.81 lbs/solids
<b>Port Matilda</b>	1,668.00 lbs/solids	1,584.60 lbs/solids	1,367.76 lbs/solids	1,784.76 lbs/solids	892.38 lbs/solids	1,506.20 lbs/solids
<b>Huston Twp.</b>	600.48 lbs/solids	650.52 lbs/solids	606.82 lbs/solids	704.73 lbs/solids	733.92 lbs/solids	1,217.64 lbs/solids
<b>Total Flow</b>	93,150 gals.	64,500 gals.	59,250 gals.	58,500 gals.	71,900 gals.	54,000 gals.

### 6.5 Plant Superintendent's Report

The following comments are as presented to the Board in the revised 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 October 2017. The 12-month rolling average flow for October was 4.02mgd with the average for the month being 4.25mgd. The average monthly **influent** flow was 4.79mgd.

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:

	Oct-17	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	33,000	309,000		
Centre Hills	3,557,000	32,306,000	Oct-17	Oct-17
Cintas	718,000	6,525,000	69.8	67.6
Red Line	227,000	3,184,000		
Uaja Wetland	5,226,000	40,207,000		
Wetland Vault	16,711,000	171,172,000		
Kissingers	1,452,000	13,978,000		
Stewarts	13,000	26,910		
<b>TOTAL</b>	<b>27,937,000</b>	<b>267,707,910</b>		

#### Plant Maintenance

- Installed a new gearbox on airline to Train 1, Zone 3A.
- Service Intermediate Pump Station mixers.
- Unplugged Primary Scum line to Dewatering.
- Cleaned earth filter.
- Adjusted conveyor chains on Compost Mixers.
- Replaced contacts and overloads in Compost Heater 1306.
- Serviced Compost Heaters.
- Serviced street sweeper.
- Repaired hypochlorite pump in Dewatering.
- Rebuilt #2 Centrifuge.
- Repaired emergency lighting around plant site..

### 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 – (17) manholes inspected – (2643ft) of mainline cleaned.

Casting Repairs - (42).

Mainline Repairs – (1) Martin street – repaired flowline.

Mainline Televising – (7,172' televised) – (46) manholes inspected.

**Lift Station Maintenance:**

Continue working at Outer Dr. pump station upgrade project (75% complete).  
Cleaned (12) lift station wet wells.  
Installed debris basket at Haymarket station.  
Replaced starter contacts at Haymarket station.  
Replaced phase monitor at Outer station.  
Routine Maintenance.

**NEXT MONTH PROJECTS:**

Casting repairs at Marywood.  
Televising and Flushing of 2018 Twp. Paving projects.  
Completing Outer Dr. pump station upgrade.  
Brushing of backlot interceptors.  
Equipment maintenance.

**Inspection:** Final As-Builts Approved:

- a. Fieldstone Phase 4
- b. Nittany Valley Sports Centre

**Mainline Construction:**

- a. Pleasant Point - Complete – Awaiting As-Builts.
- b. Branch Road Bridge (Penn Dot) –Complete – Awaiting As-Builts.

**New Connections:**

a.	Single-Family Residential	11	c.	Commercial	0
b.	Multi-Family Residential	1	d.	Non-Residential	0
<b>TOTAL</b>					<b>12</b>

PA One-Calls Responded to 10/1-31/17: 395

**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 proposed water quality regulations and provided comments to Staff.
- Re-evaluated the financial reports and provided sealed Engineer's Certificates to Bond Counsel.

**Odor Control System Upgrades**

- AECOM review comments on the 95% design documents have been received and several elements were reviewed with Staff. It was concluded that several aspects would be incorporated as bid alternates to allow the actual cost of the elements to be evaluated when bids are received. The alternate elements for consideration now include: A) precast or cast-in-place concrete, B) fiberglass or stainless steel air ducts, and C) the application of a corrosion resistant coating inside the bio-filter.
- The Land Development Plan was submitted to College Township for consideration by Council at the November 16<sup>th</sup> meeting. HRG will be present to answer questions from Council.

- With the receipt of the final design review comments, the applications to College Township for Zoning approval and to the Centre Region Code Administration for Building Code approval can be completed.

### **Special Study for Reclaimed Waterline Extension**

- Following the adoption of the Beneficial Reuse Special Study at the COG General Forum on October 23<sup>rd</sup>, HRG submitted the final Study to DEP on October 30<sup>th</sup>.

### **Developer Plan Reviews:**

- Two (2) Developer Plan submissions have been active since the last report.
- The As-Built Plans for Nittany Valley Sports Centre were recommended to Staff for approval on October 24<sup>th</sup> (1178.0636).
- The Developer's engineer for The Station submitted a letter from a geotechnical engineering firm addressing the potential impact from stormwater infiltration structures to adjacent sanitary sewers. HRG is working with Staff develop a recommendation for this specific situation and a standard for the separation of these features such that future development submissions may be designed accordingly.

## **6.8 Construction Report**

The following comments were presented to the Board by the Construction Engineer.

### ***NPDES Permit***

- RETTEW has prepared the first draft of the NPDES Permit and related documentation in coordination with the Authority Staff. After a review meeting that was held on November 2<sup>nd</sup>, RETTEW has begun final revisions and expects submission the week of November 13<sup>th</sup>.

### ***Miscellaneous Projects***

- Solar Fence – Bids were received on the Solar Fencing Contract (Contract 2017-10). A bid tabulation is attached. RETTEW has reviewed the package provided by Apollo Fencing and recommends award in the amount of \$41,990.00.
- Garage Door Replacement – Bids were received on the Garage Door Replacement Contract (Contract 2017-05). A bid tabulation is attached. RETTEW recommends award of Contract 2017-05 to Central Pa Dock & Door, LLC in the amount of \$44,136.00, pending the receipt of signed contracts, suitable bonds and insurance.
- Feedstock Mixer – RETTEW continues to negotiate with the manufacturer to get a bid for the replacement mixer. Based on discussion with Authority Staff, we may look at alternative manufacturers.
- Sludge Holding Tank Blower – RETTEW received quotations for a replacement aeration blower for the Sludge Holding Tank in Dewatering. We will continue to coordinate with Staff for its replacement.

### **ENR/AWT Upgrade Project**

- RETTEW will provide a comprehensive update of the project in a presentation to the Board at the meeting.

### **Solar Project (Update for Authority Use)**

- Update on the Solar Array:

- The driven posts are completed and the Contractor (SRE) is working on racking and panel mounting.
  - Ductbank within the Solar Array is complete and Inverter placement is 60%+
  - Wiring and connections to inverters will begin in the next two weeks.
  - Project completion still on target for mid-December
- Update on Battery Energy Storage System
- Switchgear modifications may be required by West Penn Power. RETTEW is working with WPP to identify the most cost-effective placement.
  - Remainder of components are in production. RETTEW expects actual site work to begin in December.

### 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.

#### DEP Tour

The DEP Secretary will be touring the Reuse and Compost facilities on November 17<sup>th</sup>.

#### Odor Control

Since COG won't have a November meeting the Odor Control information will be taken to their December meeting.

#### Spring Creek Water Shed

Spring Creek Water Shed is very appreciative of the monetary contribution made by UAJA.

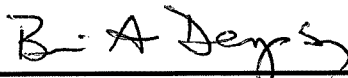
### 7. Other Business None

### 8. Adjournment

The meeting was adjourned at 5:30 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



---

Secretary/Assistant Secretary