

**MINUTES**  
**UNIVERSITY AREA JOINT AUTHORITY**  
**1576 SPRING VALLEY ROAD**  
**STATE COLLEGE, PA 16801**  
**Regular Meeting – August 16, 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, August 16, 2017. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Dempsey, Derr, Dietz, Guss, Lapinski, McShea, and Schmalz; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Mark Harter, Collection System Superintendent; Jason Brown, Project Manager; David Gaines, Solicitor; Ben Burns, Tom Holleran and Jeff Garrigan, Consulting Engineers; Steve Siegfried, RETTEW; Jim May, CRPA; David Swisher, PSU; Scott Shearer, PFM; and Kathy Wheeler, Recording Secretary.

**2. Reading of the Minutes**

**2.1 UAJA Regular Meeting – July 19, 2017**

<b>UAJA</b> <b>Meeting Minutes</b> <b>Approved</b>
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A motion was made by Mr. McShea, seconded by Mr. Lapinski, to approve the minutes of the UAJA meeting held on July 19, 2017. The motion passed unanimously.

**3. Public Comment**

None.

**4. Old Business**

**4.1 2014 Floating Rate Note – Refinancing Analysis**

The Authority has a Floating Rate Note that was publicly offered and financed by RBC. The Note has a mandatory tender date of November 1, 2017 and must be refinanced by then. Mr. Shearer, PFM, discuss the options available to refinance the debt. The Board will make a decision at the September 20 meeting.

**4.2 Monitoring Results – Beneficial Reuse Water and Water Authority Water**

Included in the agenda materials for the Board's review was an Excel spreadsheet with the monitoring results of the Beneficial Reuse water and the waters of the water authorities, as well as the water from the Big Spring in Bellefonte.

**4.3 Source Water Protection Agreement Revisions**

The College Township Water Authority has asked for changes to the Source Water Protection agreement prior to College Township agreeing to the proposed Act 537 Plan Special Study Amendment. The major stumbling block is the financial impact of beneficial reuse water on the revenues of the CTWA.

The Beneficial Reuse project always assumed there would be no revenue from the sale of water. During negotiations it was pointed out that CTWA and SCBWA have complete control over determining which customers, if any, would use beneficial reuse water in place of water authority water. That level of control was not sufficient to satisfy the water authorities. At the last meeting of the Source Water Protection Agreement Project Management Team, UAJA offered to give total control of not only who gets the water, but also what will be charged and who gets the revenue.

The draft final agreement has not been circulated. The offer described above was made before the UAJA Board had a chance to consider it.

It is quite possible that the water authorities will have additional changes for the Board to consider as these negotiations continue.

## 5. New Business

### 5.1 Requisitions

BRIF #283	Gannett Fleming Companies GeoDecisions - GIS	\$5,194.02
<b>TOTAL BRIF</b>		<b>\$5,194.02</b>

<b>Requisitions Approved</b>
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A motion was made by Mr. Lapinski, seconded by Mr. Dempsey, to approve the BRIF Requisitions #283 The motion passed unanimously.

2017 Construction Fund #17	Robert P. Lepley Odor Control Project electrical relocation	\$4,444.00
2017 Construction Fund #18	Mid-State Paving Odor Control Project Paving for utility relocation	\$10,718.46
2017 Construction Fund #19	Rettew Associates, Inc. ENR/AWT Final Design Invoices #123492 & #127354	\$31,960.00
<b>TOTAL 2017 CF</b>		<b>\$47,122.46</b>

<b>Requisitions Approved</b>
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A motion was made by Mr. McShea, seconded by Mr. Lapinski , to approve the 2017 Construction Fund Requisitions #17-19. 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 July 31, 2017.

### 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.

	<u>Feb. 2017</u>	<u>Mar. 2017</u>	<u>Apr. 2017</u>	<u>May 2017</u>	<u>Jun. 2017</u>	<u>Jul. 2017</u>
<b>Production</b>	736 cu/yds.	913 cu/yds.	829 cu/yds.	970 cu/yds.	897 cu/yds.	662 cu/yds.
<b>YTD. Production</b>	1,486 cu/yds.	2,399 cu/yds.	3,228 cu/yds.	4,198 cu/yds.	5,095 cu/yds.	5,757 cu/yds.
<b>Distribution</b>	1,092 cu/yds.	304 cu/yds.	604 cu/yds.	569 cu/yds.	1,557 cu/yds.	143 cu/yds.
<b>YTD. Distribution</b>	1,487 cu/yds.	1,791 cu/yds.	2,395 cu/yds.	2,964 cu/yds.	4,521 cu/yds.	4,664 cu/yds.
<b>Immediate Sale</b>	974 cu/yds.	1,786 cu/yds.	2,129 cu/yds.	2,399 cu/yds.	1,829 cu/yds.	2,566 cu/yds.
<b>Currently in Storage</b>	1,710 cu/yds.	2,699 cu/yds.	2,958 cu/yds.	3,369 cu/yds.	2,726 cu/yds.	3,228 cu/yds.

**SEPTAGE OPERATIONS**

	<u>Feb. 2017</u>	<u>Mar. 2017</u>	<u>Apr. 2017</u>	<u>May 2017</u>	<u>Jun. 2017</u>	<u>Jul. 2017</u>
<b>Res./Comm.</b>	0 gals.	10,300 gals.	4,750 gals.	10,650 gals.	8,000 gals.	1,750 gals.
<b>CH/Potter</b>	4,607.85 lbs/solids	7,827.09 lbs/solids	5,746.26 lbs/solids	8,402.55 lbs/solids	4,662.06 lbs/solids	4,561.98 lbs/solids
<b>Port Matilda</b>	1,551.24 lbs/solids	2,568.72 lbs/solids	1,801.44 lbs/solids	1,668.00 lbs/solids	1,584.60 lbs/solids	1,367.76 lbs/solids
<b>Huston Twp.</b>	366.96 lbs/solids	483.72 lbs/solids	0 lbs/solids	600.48 lbs/solids	650.52 lbs/solids	606.82 lbs/solids
<b>Total Flow</b>	61,000 gals.	108,800 gals.	72,750 gals.	93,150 gals.	64,500 gals.	59,250 gals.

**6.4 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 permit. The 12-month rolling average flow for July was 4.02mgd with the average for the month being 3.27mgd. The average monthly influent flow was 4.80mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	July-17	YTD	Plant Effl. Temp	Wetland Effl. Temp.
<b>Best Western</b>	33,000	201,000		
<b>Centre Hills</b>	5,207,000	18,928,000	July-17	July-17
<b>Cintas</b>	511,000	4,500,000	71.3	71.3
<b>Red Line</b>	242,000	2,269,000		

Uaja Wetland	4,757,000	24,036,000
Wetland Vault	13,168,000	122,428,000
Kissingers	1,254,000	9,547,000
Stewarts	2700	11,300
<b>TOTAL</b>	<b>30,192,570</b>	<b>182,599,400</b>

**Plant Maintenance**

- Replaced 5 ballasts and 6 UV bulbs in the Outfall UV Unit.
- Replaced the water pump in the '01 Chevy.
- Installed breaker for outfall UV channel 1A, module 2.
- Repaired offloading conveyor on Knight Mixer #1.
- Replaced agitator chains, paddles and sprockets on #3 Composter.
- Replaced the polymer system pressure gauge and flow regulator.
- Replaced the Ambient Air Ozone Monitor. The old one will be sent out for repair.
- Replaced 480/24v power supply for the Ozone System.
- Xylem calibrated all the Ozone monitoring equipment.
- Repaired valves AV3 and AV13 on MF #2.
- Flushed Reuse Hydrants.
- Cleaned RO Unit.

**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:**

New Laterals – (1) – 310 Innovation Blvd.  
Lateral Repair – (1) – 2054 North Oak Lane.  
Mainline Cleaning – (46) manholes inspected – (8636 Ft) of mainline cleaned.  
Casting Repairs - (10).  
Mainline Repairs – (260' of 8" PVC / replaced 8" Clay) Sierra Lane / 80% complete.  
Mainline Televised – (6,407.8 Ft) televised – (34) manholes inspected.

**Lift Station Maintenance:**

Installed 2nd 3152 Flygt pump at Fox Hill station.  
Replaced impeller and potential relay at Haymarket station.  
Cleaned (6) lift station wet wells.

**NEXT MONTH PROJECTS:**

Casting adjustments for Township and Penn Dot Paving projects.  
Repair storm water drainage swale at Christopher Lane (above sewer main).  
Complete Sierra Lane main and lateral replacement.  
Start Shannon Lane main and lateral replacement.  
Televising and flushing of 2018 Twp. Paving projects.

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

- a. The Gates Phase 3.

**Mainline Construction:**

- a. Pleasant Point - 90% Complete.
- b. Fieldstone Phase 4 – 75% Complete.
- c. Branch Road Bridge (Penn Dot) – Started Construction

**New Connections:**

a.	Single-Family Residential	10	c.	Commercial	0
b.	Multi-Family Residential	0	d.	Non-Residential	0
				<b>TOTAL</b>	<b>10</b>

PA One-Calls Responded to 07/1-31/17: 380

## 6.6 Engineer's Report

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

### Retainer

- Assisted staff in the review of submittals (pumps and control panel) for Outer Drive pump station upgrades.
- Assisted Mr. Miller with review of HRG's digital file information from the 2005 Act 537 Plan Update.
- Mr. Weikel prepared the Consulting Engineers' Certificate in support of the redemption of all outstanding series A 2011 Bonds.

### Odor Control System Upgrades

- 95% design documents were provided to AECOM and BIOREM for review. BIOREM comments have been received. AECOM's comments are expected shortly.
- With the submission of the lot consolidation to eliminate the setback conflict, HRG will submit responses to the review comments from the CRPA and College Township to CT staff for the 9/5 Planning Commission meeting.
- HRG is prepared to bid the project at the Board's direction. The bidding will be on-line, through the PennBID website.

### Special Study for Reclaimed Waterline Extension

- HRG has assisted the Executive Director in the preparation and presentation of this project to the COG Public Services and Environment Committee and the COG General Forum. The next milestone meeting dates are:
  - September 7th – PS&E Committee and CRPC meetings to review public and municipal comments and make formal recommendations to the General Forum.
  - September 19th – Executive Committee meeting, consideration for inclusion on September General Forum agenda.
  - September 25th – General Forum Meeting (for approval of Study for submission to DEP).

### Developer Plan Reviews:

- One (1) Developer Plan submission has been active since the last report.
- The Design Drawings for the Nursing Home-NVSC Lot 3-2350 Bernel Road project were submitted for review, and then retracted by the Developer's engineer following discussion with Mr. Harter. This project design has not been resubmitted as of August 10, 2017.

## 6.7 Construction Report

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

### General Services

General Services Items Completed for the Authority:

#### *General Operations*

- Completed bid specifications for the replacement of the Primary Clarifier Air Compressors. This project is now out to bid.
- Completed bid specifications for the replacement of one of the Compost Feed Mixers (Knight Mixer). RETTEW will be advertising the project on PENNBID the week of August 21st.
- Development of bid specifications for new entrance gate
- Development of bid specifications for replacement of various overhead and garage doors throughout the site.

#### *Property Re-Plat*

- The second re-plat for the UAJA Property is underway and has been submitted to College Township. A deed issue has arisen in Benner Township and is under research for correction by RETTEW/PENNTERRA.

#### ENR/AWT Upgrade Project

- Final design activities are underway on multiple facets of the project, primarily on upgrades to long-term equipment replacement and discipline engineering.
- A second review meeting for the final design was held with UAJA Staff on August 15, 2017. Architectural renderings for the AWT Feed Pump Station and Equalization Tank were discussed and approved with the goal of completing building code design.
- Land development and building code submissions are planned for September 2017.
- Project is still on target for an advertisement for bids around mid-October 2017.

### Solar Project

All major project costs have been bid and received, all approvals and regulatory permits approved and the project is proceeding.

#### *Solar Array*

- RETTEW staff set the new property corner markers for the replat for the Solar Array.
- Negotiations between the bidders for the Solar portion of the Project has led to a successful conclusion and the selected Contractor has begun procurement of their components and initial shop drawings have been submitted. The first construction task is for soil testing of the racking posts and is expected to be completed in next two weeks.
- The First Energy/West Penn Power Interconnection Application was approved by the PUC and final approvals by the Local Distribution Company are in draft form. The cost of interconnection was significantly lower than the BESS and lower than project estimates.

#### *Battery Energy Storage System*

- The Battery Energy Storage System (BESS) agreements for the Wholesale Market were registered on May 15, 2017.
- Submittals have been approved for early components and they are being procured. The Battery, Inverter and Transformer are all in production with final construction submittals having been received week of August 14<sup>th</sup>.

- Field work is awaiting the setting of the interconnection pole by First Energy/West Penn Power.

Both projects are on timeline for completion and operation in 4<sup>th</sup> quarter 2017.

**6.8 Executive Director's Report**

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

**Tom Songer – Volumetric Billing**

Tom Songer requested that his E-Mail be distributed to the Board. Mr. Songer is asking COG to mandate within the Act 537 Plan that UAJA be required to switch to volumetric billing.

**7. Other Business**

None

**8. Adjournment**

The meeting was adjourned at 5:53 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

*Bi A Deyson*

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Secretary/Assistant Secretary