

**MINUTES**  
**UNIVERSITY AREA JOINT AUTHORITY**  
**1576 SPRING VALLEY ROAD**  
**STATE COLLEGE, PA 16801**  
**Regular Meeting – October 19, 2016**

**1. Call to Order**

Mr. Lapinski, Vice-Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:03 p.m. Wednesday, October 19, 2016. The meeting was then turned over to Mr. Schmalz, Chairman. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Dempsey, Ebaugh, Guss, Lapinski, McShea, Nucciarone, 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; David Gaines, Solicitors; Ben Burns, Doug Weikel and Tom Holleran, Consulting Engineers; Jason Wert and Steve Siegfried, Construction Engineer; Charlie Jones, State College Borough; Jim May and Greg Garthe, CRPA, Sharon Bressler, CRCP; several Penn State students and Kathy Wheeler, Recording Secretary.

**2. Reading of the Minutes**

**2.1 UAJA Regular Meeting – September 21, 2016**

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

A motion was made by Mr. McShea, seconded by Mr. Ebaugh, to approve the minutes of the UAJA meeting held on September 21, 2016 as presented. The motion passed unanimously.

**3. Public Comment**

Mr. Mullen requested a refund for the over billing of his property due to an error on the part of the Centre Region. Mr. Mullen then presented correspondence to the Board for their consideration. The Board stated they would review the information and would let Mr. Mullen know of their decision.

**4. Old Business**

**4.1 2017 Bond Issue**

At the September meeting, the concept of a new money bond issue was introduced. Since interest rates are still very low, and UAJA has nearly \$20 million in projects to complete over the next several years, a bond issue appears to be the best option. The proceeds from the bonds will fund the major capital projects which include:

Odor Control Facilities  
Expansion of Beneficial Reuse Water production  
Upgrade of tertiary filters to de-nitrification filters  
Extension of Beneficial Reuse water lines to Mountainview  
Solar power project

The proposed bond issue would be a 15 year term that wraps around the existing debt. The total debt service payment would increase in 2017 – 2019, but then would decrease significantly with the final payment of the 2012 bonds. A table showing the projected debt service structure is included in the agenda report. The projections were made conservatively using 4.0 percent as the interest rate.

The issuing of the bonds will not trigger a rate increase. As the table shows, the final debt service payment is extended four years to 2032.

If the Board authorizes staff to prepare for a new money bond issue, the actual bonds would not be priced until early 2017. There will be several additional steps requiring Board approval before the new bonds are issued.

**2017 Bond Issue  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Lapinski, to authorize staff to begin the process of issuing \$20 million in new debt. Motion passed unanimously.

#### 4.2 2017 Budget

Included in the Board packet is the final draft of our 2017 Budget. Staff met with the budget sub-committee and reviewed all aspects of the document. The budget assumes a 20 million dollar Bond Issue occurring early in 2017 that will be used to fund the Odor Control Project, the ENR/AWT Upgrade Project, the Phase 2B Beneficial Reuse Project and the Solar Project. Staff will detail assumptions imbedded in the budget.

**2017 Budget  
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Dempsey, to approve the 2017 Budget as presented. Motion passed unanimously.

#### 4.3 ENR/AWT Project Engineering Proposal

At the September meeting, the UAJA Board took action directing Rettew to prepare a proposal for engineering services for the Enhanced Nutrient Removal and Advanced Water Treatment expansion. The proposal is included in the agenda report. The proposal is a lump sum proposal with a cost of \$247,000 for the preliminary design phase. The final design phase, bidding phase, and construction phase are estimated at a total cost of \$325,000, but will be a separate contract. If nothing significant changes after preliminary design, the future phase prices should not change.

**ENR/AWT Project  
Engineering Proposal  
Approved**

A motion was made by Mr. Guss, seconded by Mr. Nucciarone, to award the contract for preliminary design to Rettew for the lump sum cost of \$247,000. Motion passed unanimously.

#### 4.4 Beneficial Reuse Distribution System Expansion

Because DEP continues to regulate the high purity beneficial reuse water as sewage, the permitting process to extend the reuse water system to serve new customers is long and cumbersome, and includes at least an Act 537 Plan special study. To reduce the time to permit an extension to a new customer, DEP has agreed to allow The Centre Region to define a beneficial reuse service area by preparing a special study. The Centre Region Planning Agency has prepared a draft report and will present at the meeting. The draft report is included in the agenda report. CRPA is looking for comments in advance of presenting the report to the COG General Forum. Comments are needed

by UAJA's November meeting. A sub-committee was formed: Mr. Lapinski, Mr. Dempsey and Mr. Ebaugh will meet with staff to provide comments.

## 5. New Business

### 5.1 Tapping Fee Adjustment

Historically, the tapping fee is adjusted according to the change in the Engineering News Record Construction Cost Index from the previous October. Adjusting based on the October 2016 index results in the tapping fee increasing 3.7% from the current \$4829 to \$5008 per EDU. The budget reflects the 3.7% increase.

#### Requisitions Approved

A motion was made by Mr. Lapinski, seconded by Mr. McShea, to adjust the plant capacity tapping fee by +3.7% to \$5008 effective January 1, 2017. The motion passed unanimously.

### 5.2 Requisitions

Revenue Fund #147	Operation, Maintenance & Debt Service	\$1,000,000
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#### Requisitions Approved

A motion was made by Mr. Nucciarone, seconded by Mr. Guss, to approve the Revenue Fund Requisition #147. The motion passed unanimously.

BRIF #235	Dale Summit Acquisitions September 2016 Lease Pymt.	\$25,000.00
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BRIF #236	HRG Invoice #114115 Odor Control Engineering	\$21,100.00
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BRIF #237	LB Water Service Pipe & Accessories Suburban Backlot Project	\$9997.00
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TOTAL BRIF		\$56,097.00
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#### Requisitions Approved

A motion was made by Mr. McShea, seconded by Mr. Guss, to approve the BRIF Requisitions #235-237. The motion passed unanimously.

## Reports of Officers

### 6.1 Financial Report

Mr. Smith reviewed with the Board the YTD budget report for the period ending September 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>Apr. 2016</u>	<u>May 2016</u>	<u>Jun. 2016</u>	<u>Jul. 2016</u>	<u>Aug. 2016</u>	<u>Sep. 2016</u>
<b>Production</b>	657 cu/yds.	749 cu/yds.	943 cu/yds.	626 cu/yds.	677 cu/yds.	664 cu/yds.
<b>YTD. Production</b>	2,984 cu/yds.	3,733 cu/yds.	4,676 cu/yds.	5,302 cu/yds.	5,979 cu/yds.	6,643 cu/yds.
<b>Distribution</b>	835 cu/yds.	786 cu/yds.	662 cu/yds.	623 cu/yds.	1,100 cu/yds.	1,085 cu/yds.
<b>YTD. Distribution</b>	2,775 cu/yds.	3,561 cu/yds.	4,223 cu/yds.	4,846 cu/yds.	5,946 cu/yds.	7,031 cu/yds.
<b>Immediate Sale</b>	1,794 cu/yds.	1,665 cu/yds.	1,755 cu/yds.	2,075 cu/yds.	1,601 cu/yds.	1,236 cu/yds.
<b>Currently in Storage</b>	2,451 cu/yds.	2,414 cu/yds.	2,698 cu/yds.	2,701 cu/yds.	2,278 cu/yds.	1,900 cu/yds.

### SEPTAGE OPERATIONS

	<u>Apr. 2016</u>	<u>May 2016</u>	<u>Jun. 2016</u>	<u>Jul. 2016</u>	<u>Aug. 2016</u>	<u>Sep. 2016</u>
<b>Res./Comm.</b>	0 gals.	6,600 gals.	0 gals.	0 gals.	0 gals.	7,000 gals.
<b>CH/Potter</b>	7,643.61 lbs/solids	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
<b>Port Matilda</b>	1,684.68 lbs/solids	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
<b>Huston Twp.</b>	1,034.16 lbs/solids	0 lbs/solids	600.48 lbs/solids	650.52 lbs/solids	800.64 lbs/solids	733.92 lbs/solids
<b>Total Flow</b>	67,500 gals.	74,600 gals.	86,500 gals.	63,500 gals.	32,900 gals.	42,000 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 September was 3.93mgd with the average for the month being 4.12mgd. The average monthly **influent** flow was 5.11mgd. 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, #3, and #4; eight tertiary filters.

Below is the chart for Reuse Distribution and Temperature Data:

	Sep-16	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	27,000	229,000		
Centre Hills	8,332,000	46,080,000	Sep-16	Sep-16
Cintas	793,000	6,974,000	74.4	72.3
Red Line	281,000	3,033,000		
Uaja Wetland	2,328,000	35,013,000		
Wetland Vault	11,869,000	106,571,000		
Kissingers	1,187,000	9,201,000		
Stewarts	0	3,896		
<b>TOTAL</b>	<b>24,817,200</b>	<b>207,104,896</b>		

### **Plant Maintenance**

- Repaired emergency lighting at the Collections Garage.
- Replaced the diaphragms in Primary Pumps #8 and #10.
- Installed the spare Grit Chamber Pump motor. The original will be sent out for repair and put on the shelf as a spare.
- Replaced the membrane and transmitter for the DO control in Train #2 Zone 3A.
- Replaced a yard hydrant behind the Primary tanks.
- Replaced the scum trough seal in Primary tank #1 and remounted a weir in Primary Tank #4.
- Repaired a pilot regulator on a valve at the GDK Wetlands.
- Replaced the Feed isolators on MF's #2 and #3.
- Cleaned the laterals in the Bio Filter and replaced the manifold drain valve for the filter.
- Replaced the fuel filter and safety switch on the Street Sweeper.
- Switched membranes in the first array of the RO unit and sent a membrane out for autopsy.
- Replaced soft starts for Bio-Fans #3 and #5.

### **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 – (31).

Suburban back lot project Phase 2 (Suburban Park) – Installed 408' ft of 8" pipe and (3) manholes / 30% complete.

Repaired water leak on clay valve at the wetlands.

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

Rebuilt check valve at Outer drive station.

Replaced capacitor and alternating relay at Scenery drive station.

Changed oil and inspected impellers, volutes, and wear rings at all stations.

Cleaned (5) lift station wet wells.

Rebuilt (2) E-One pump cores..

### **NEXT MONTH PROJECTS:**

Suburban back lot Phase #2.  
Planting of trees and shrubs at Suburban back lot phase #1.  
Routine pump maintenance at all stations.

**Inspection:** Final As-Builts Approved:      Rockey Ridge Sections 3&4

Mainline Construction:

- a. The Gates Phase 5      – 90% complete.
- b. Hunters Chase Phase 6      – 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 9/1-30/16: 359

## 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 with the development and validation of cost estimates used for budgeting.

### **Odor Control Study Upgrades**

- Three operational inorganic media biofilters will be toured on October 18<sup>th</sup> in and around Toronto.
- Field survey data was collected during the week of October 3<sup>rd</sup>.
- Geotechnical borings are being coordinated.
- An updated site layout drawing was reviewed with staff.

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

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

### **Wetland Flow Meter**

- A solar panel with battery pack and a DC powered Act-Pak have been installed to produce a pulse output from the master meter. The pulse output is being logged to meet regulatory compliance (attachment).

### **Special Study for Act 537 Plan Update Revisions**

- No comments were received on the draft task activity report (TAR) outlining the special study that was submitted to the PA DEP. The Department requested that the TAR submissions be separated into two discrete projects (Meeks Lane PS and Beneficial Reuse into Harris Township), and those separate documents are being prepared at this time.

### **Record Drawing and GIS Data Review**

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

**Developer Plan Reviews:**

- No Developer design plans are under review as of October 10<sup>th</sup>.
- The As-Built Plans for Rockey Ridge, Sections 3&4 were recommended for acceptance on October 6<sup>th</sup>.

**6.7 Construction Report**

No additional comments.

**6.8 Executive Director's Report**

No additional comments were presented.

**7. Other Business**

**Executive Session  
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Spak, to adjourn to executive session at 5:23 p.m. The motion passed unanimously.

A motion was made by Mr. Lapinski, seconded by Mr. McShea, instructing the Executive Director to write a letter to Mr. Kevin Mullen stating that the Board finds that 394 Oakwood Avenue will be billed as two EDU's.

**8. Adjournment**

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

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

*Bin A. Dargatzis*

Secretary/Assistant Secretary