

**MINUTES**  
**UNIVERSITY AREA JOINT AUTHORITY**  
**1576 SPRING VALLEY ROAD**  
**STATE COLLEGE, PA 16801**  
**Regular Meeting – December 16, 2015**

**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, December 16, 2015. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. 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; Dick Campbell and David Gaines, Solicitor; Ben Burns, Tom Holleran and Dave Swisher, Consulting Engineers; Jason Wert, Steve Siegfried and Chris Underwood, RETTEW; Chris Bamber, Public Financial Management; Sharon Bressler, Center Region; Mark Whitfield, State College Borough; Laura Dininni; Tom Songer and Kathy Wheeler; recording secretary.

**2. Executive Session:**

**Adjourn to Executive  
Session Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Guss, to adjourn the meeting to an executive session at 4:00 p.m. The motion passed unanimously.

**UAJA  
Meeting Minutes  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Lapinski, to adjourn the executive session and return to the regular meeting at 4:34 p.m. The motion passed unanimously.

**3. Reading of the Minutes**

**3.1 UAJA Regular Meeting – November 18, 2015**

**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 November 18, 2015 as submitted. The motion passed unanimously.

**4. Public Comment**

Ms. Dininni asked for clarification as to where the planned connection will be made for the Toll Brother's project in Ferguson Township. Mr. Miller stated the planned connection is at the entrance of the Stonebridge subdivision.

**5. Old Business**

**5.1 2010A Bond Issue – Potential Refinancing**

As discussed at the November meeting, Public Financial Management has issued a request for proposals for variable rate bank loans with a due date of December 11, 2015. Mr. Bamber reviewed the results of the proposals with the Board.

**2010A Bond Issue  
Potential Refinancing  
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Dempsey, to authorize staff to work with PFM to move forward with investigation of a conventional refinance as long as there is a minimum of 2% refundable savings. The motion passed unanimously.

## 5.2 Tom Songer II Request

At the November meeting Tom Songer presented a memo requesting that his tapping fees be calculated on a per gallon per day basis rather than EDU's. The Board informed Mr. Songer that UAJA's legal council was still awaiting information from his legal council. Therefore, the Board can not take any action at this meeting. Mr. Songer said that he would pay the tap fees for his new commercial building as calculated by UAJA but will do so under protest.

## 5.3 Odor Control Study Draft Report

The Odor Study Subcommittee met December 8<sup>th</sup> to review the alternatives and brainstorm. After much discussion, two possible alternatives were identified.

The first alternative assumes that the compost operation will continue. For this option the subcommittee recommends the concrete biofilter with engineered media. The biofilter is proposed to serve both the compost building and the dewatering building. It consists of multiple cells, so that periodically one cell can be taken out of service for maintenance while treatment continues in the remaining cells. This solution completely controls the moisture in the media, since the filter cells are covered. It is a downflow system, with one outlet stack. The preliminary estimate of construction cost is \$8,032,978 with a present value of \$10,191,724.

The second alternative would treat the odor from the dewatering building only, and replace the compost building with lime stabilization and disposal at a landfill. The odors from the lime facility would be treated in the same system as the dewatering building. This alternative is not yet complete. A big disadvantage of this alternative is that it converts a recycled product back into a waste product. Thus, there is an environmental impact which is difficult to convert into dollars. Not only would UAJA be taking up landfill space, but our compost customers would be forced to find an alternative. One of UAJA's customers is Centre Region Parks and Recreation. CRPR uses the compost for ball field turf maintenance.

The Board has delayed the final decision until the "eliminate compost" option has been fully estimated.

## 6. New Business

### 6.1 Requisitions

BRIF #201	Dale Summit Acquisitions December Lease Payment	\$25,000.00
BRIF #202	Mid-State Paving Paving for Scott Road Project	\$22,687.30

**Requisition  
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Guss, to approve BRIF requisitions 201 - 202. The motion passed unanimously.

Revenue Fund #141

Operation, Maintenance and  
Debt Service

\$1,000,000

**Requisition  
Approved**

A motion was made by Mr. Guss, seconded by Mr. Lapinski, to approve Revenue Fund requisitions 141. The motion passed unanimously.

**6.2 Credit Card**

Mr. Miller informed the Board that the Authority's current credit card is in his name and is reflected on his credit score. Mr. Miller asked the Board to have a card issued by First National Bank and in the name of University Area Joint Authority instead.

**Credit Card  
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Spak, to approve opening a credit card with First National Bank in the name of University Area Joint Authority and close the credit card that is in Cory Miller's name. The motion passed unanimously.

**7. Reports of Officers**

**7.1 Financial Report**

Mr. Smith reviewed with the Board the YTD budget report for the period ending November 2015.

**7.2 Chairman's Report**

None

**7.3 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><b>Jun. 2015</b></u>	<u><b>Jul. 2015</b></u>	<u><b>Aug. 2015</b></u>	<u><b>Sep. 2015</b></u>	<u><b>Oct. 2015</b></u>	<u><b>Nov. 2015</b></u>
<b>Production</b>	882 cu/yds.	719 cu/yds.	517 cu/yds.	646 cu/yds.	764 cu/yds.	898 cu/yds.
<b>YTD. Production</b>	4,321 cu/yds.	5,040 cu/yds.	5,557 cu/yds.	6,203 cu/yds.	6,967 cu/yds.	7,865 cu/yds.
<b>Distribution</b>	744 cu/yds.	1,222 cu/yds.	540 cu/yds.	707 cu/yds.	598 cu/yds.	844 cu/yds.
<b>YTD. Distribution</b>	4,507 cu/yds.	5,729 cu/yds.	6,269 cu/yds.	6,976 cu/yds.	7,574 cu/yds.	8,418 cu/yds.
<b>Immediate Sale</b>	1,227 cu/yds.	887 cu/yds.	1,066 cu/yds.	877 cu/yds.	925 cu/yds.	845 cu/yds.
<b>Currently in Storage</b>	2,109 cu/yds.	1,606 cu/yds.	1,583 cu/yds.	1,523 cu/yds.	1,689 cu/yds.	1,743 cu/yds.

**SEPTAGE OPERATIONS**

	<u><b>Jun. 2015</b></u>	<u><b>Jul. 2015</b></u>	<u><b>Aug. 2015</b></u>	<u><b>Sep. 2015</b></u>	<u><b>Oct. 2015</b></u>	<u><b>Nov. 2015</b></u>
<b>Res./Comm.</b>	0	4,000	4,700	0	3,000	0

	gals.	gals.	gals.	gals.	gals.	gals.
<b>Hawbaker</b>	58,500 gals.	147,000 gals.	110,000 gals.	0 gals.	162,500 gals.	0 gals.
<b>CH/Potter</b>	5,059.04 lbs/solids	7,038.96 lbs/solids	3,035.76 lbs/solids	6,755.40 lbs/solids	4,716.27 lbs/solids	5,258.37 lbs/solids
<b>Port Matilda</b>	1,501.20 lbs/solids	1,684.68 lbs/solids	1,651.32 lbs/solids	1,367.76 lbs/solids	1,200.96 lbs/solids	1,217.64 lbs/solids
<b>Huston Twp.</b>	417.00 lbs/solids	633.84 lbs/solids	350.28 lbs/solids	583.80 lbs/solids	350.28 lbs/solids	400.32 lbs/solids
<b>Total Flow</b>	117,500 gals.	228,000 gals.	154,200 gals.	70,000 gals.	222,500 gals.	62,500 gals.

Mr. Brown informed the Board that we will no longer be accepting the septage water from the Hawbaker operation in Pleasant Gap.

#### 7.4 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 November was 4.16mgd with the average for the month being 4.19mgd. The average monthly **influent** flow was 5.27mgd. There were no inspections by DEP.

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:

	Nov-15	YTD	Plant Effl. Temp	Wetland Effl. Temp.
<b>Best Western</b>	24,000	378,000		
<b>Centre Hills</b>	1,136,000	44,457,000	Nov-15	Nov-15
<b>Cintas</b>	707,000	7,540,000	64.4	64.4
<b>Red Line</b>	199,000	2,969,000		
<b>Uaja Wetland</b>	3,410,000	39,779,000		
<b>GDK Vault</b>	10,208,000	106,550,000		
<b>Kissingers</b>	1,118,000	9,411,000		
<b>Stewarts</b>	0	7,380		
<b>TOTAL</b>	16,802,000	227,893,380		

##### **Plant Maintenance**

- Cleaned Bio-Filter.
- Repaired the water separator on #2 AWT air compressor.
- Replaced hoses on the Main Station generator.
- Removed a broken auger in the Surge Bin at Compost. Parts are on order.
- Replaced Aeration mixer AM-503.
- Piping to reroute Reuse water to Compost and Dewatering is finished with some piping needed inside AWT to furnish water to the CIP tanks.

- Repaired Utility water leak between #2 and #3 Secondary clarifiers.
- Evoqua was in the make programming modifications to the RO program.
- Replaced gear box on the auger in Dewatering.
- Replaced HMI control for the Aeration blowers.
- Made temporary repairs to the RO Feed Pump VFD's. Parts are obsolete and we are working with Rettew for available options.
- Replaced wheel cylinders on the T-tag and rear brakes on the '99 Chevy.
- Replaced drain valve on #2 tank of the polymer system at D/W.

## 7.5 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:**

Assisted Plant Maintenance with a water leak on Plant site.

Mainline Cleaning – (55) manholes Inspected / (8635) ft. of mainline cleaned.

Mainline Televising for 2016 Township Paving projects (9,787.5) Ft.

Assisted with brush grinding.

Worked on AWT Water Distribution lines.

### **Lift Station Maintenance:**

Routine maintenance and general housekeeping was completed and all stations are reported to be operating normally.

Worked with HRG on pump testing at Big Hollow pump station.

Repaired (1) E-One Pump Core.

Cleaned (8) pump station Wet Wells.

### **Next Month Projects:**

Televising mains and laterals for the 2016 Township Paving projects.

Equipment maintenance.

Brushing of Mainline R.O.W

### **Inspection:** Final As-Built Approved: None

#### Mainline Construction

- a. Fieldstone Phase 3 – Construction is approximately 30% complete.
- b. The Gates Townhomes Phase 2 – We are awaiting As-Built.

#### New Connections:

a.	Single-Family Residential	15	c.	Commercial	0
b.	Multi-Family Residential	0	d.	Non-Residential	0
					<b>TOTAL 15</b>

PA One-Calls Responded to 11/1-30/15: 281

## **7.6 Engineer's Report**

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

### **Retainer**

- Coordinated with the Authority's integrator for SCADA work to be completed at the Ghaner Pump Station.
- Reviewed operating conditions at the Ghaner Pump Station following an operational issue.

### **Standard Specifications and Details Update**

- Draft specifications were delivered to and reviewed with the Authority. Comments have been incorporated and final draft technical specifications were delivered to the Authority for distribution.
- Updates to the policy have been made and following an internal review will be submitted to the Authority. The policy has been separated from the technical specifications.

### **Act 57 Study**

- Commenced preparation of an updated Act 57 study. Consultation with the Authority's solicitor will occur as appropriate. A final report will be available within 60 days.

### **Reclaimed Water Distribution to Solids Handling Facilities**

- Provided field engineering services to assist in construction of the reclaimed water interconnection to portions of the non-potable water system.

### **Branch Road PennDOT Bridge Sewer Relocation**

- Reviewed and commented on revised design drawings and specifications prepared by PennDOT to relocate the sanitary sewer that will be impacted by the bridge work.

### **Developer Plan Reviews:**

#### **The Cottages by Toll Brothers – Design Review**

- Provided pump station standard details in AutoCAD format to the Developer's Engineer.

#### **The Reserve, Phases 1 & 2 (revised 2015) – Design Review**

- Coordinated with the Developer's Engineer, Authority staff, and the Authority's Integrator for communication requirements at the proposed pump station.

## **7.7 Construction Report**

Mr. Wert informed the Board that the construction project is basically complete with the exception of some warranty information.

Mr. Wert informed the Board that a developer is interested in using UAJA property to build a solar system. The company would supply UAJA will energy for use off the grid. This proposed to be the twelfth largest array in Pennsylvania. A presentation will be done at the January meeting and will include the financial costs for this proposal.

## **7.8 Executive Director's Report**

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

### **Stormwater Meetings Attended**

Dave Smith attended the Community Based Public-Private Partnership (CBP3) Sustainable Stormwater Infrastructure Summit in Philadelphia on December 7, 2015. The workshop was sponsored by the U.S. Environmental Protection Agency and the Director of EPA Region 3, Jon Capacasa. The focus of the Summit was how to use Green Stormwater Infrastructure to address water quality and quantity challenges and to learn innovative ways to finance and implement these practices through partnerships between municipal and private entities. Some of the premier Green Infrastructure projects in the Northeast were featured including the City of Philadelphia, Prince Georges County Maryland and York County Pennsylvania.

Dave also attended the Pennsylvania Water Environment Association's workshop "Integrating Stormwater Approaches for Pennsylvania's Water Quality" on November 17, 2015. This workshop provided updates on the latest initiatives and regulatory requirements, presenting strategies toward integrating them for the most effective management of stormwater from a cost and water quality perspective.

### **Nutrient Offsets From UAJA Projects**

UAJA has submitted applications to DEP for nutrient and sediment offsets from projects completed or soon to be completed by UAJA. The projects included the Gordon D. Kissinger Meadow, the Ghaner Road Pump Stations, and the Big Hollow interceptor and pump station project. If DEP approves the request, the nutrient and sediment credits would be added to the UAJA NPDES permit as offsets, effectively increasing our nutrient capacity.

## **8. Other Business**

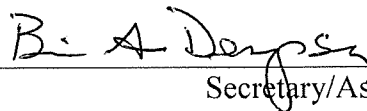
None

## **9. Adjournment**

The meeting was adjourned at 5:48 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary