

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – August 17, 2016

1. Call to Order

Mr. Schmalz, Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:04 p.m. Wednesday, August 17, 2016. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Dempsey, Dietz, Guss, Lapinski, 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, Solicitors; Ben Burns, Tom Holleran and Doug Weikel, Consulting Engineers; Amy Kerner, State College Borough; Sharon Bressler, CRCP; Jason Wert and Steve Siegfried Construction Engineer, and Charlie Jones.

2. Reading of the Minutes

2.1 UAJA Regular Meeting – July 20, 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 July 20, 2016 as presented. The motion passed unanimously.

Public Comment

None

4. Old Business

4.1 Investment Management

UAJA has over 5 million dollars held in Trust accounts that are not liquid. These accounts include the Debt Service Reserve Fund and the Operating Expense Reserve Fund. There are additional funds held in Trust accounts that are liquid but are carefully budgeted so use of the money is programmed and tightly controlled by staff. These accounts are the 93 BRIF, the Emmaus BRIF, and the Tapping Fee Fund. For the past several years, ever since US Bank took over our Trust services, all these funds have been passively invested in money market accounts at both US Bank and Kish Bank. Staff initiated discussions with US Bank to determine if more active investment management is warranted. We met with our Trustee Banker and an Investment Manager from US Bank and they provided a projection of potential increased revenue from the active investment of our assets as well as a proposal for fees to accomplish this task. A copy of a portion of the presentation from US Bank is included in the agenda report. Based upon feedback from July's meeting, we also have been working with a local bank, S&T Bank, to get input on their investment opportunities.

Investment Management
Approved

A motion was made by Mr. Lapinski, seconded by Mr. Guss, to approve the S&T Banking Service Proposal. The motion passed unanimously.

5. New Business

5.1 Final Design: Nittany Valley Sports Center

Final design drawings for the Nittany Valley Sports Center sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 6.5 EDUs of commercial use parcels. The review comments have been addressed.

Final Design: Nittany Valley Sports Centre

A motion was made by Mr. Dempsey, seconded by Mr. Lapinski, to approve the Final Design: Nittany Valley Sports Center. The motion passed unanimously.

5.2 Final Design: Gates Phase 3

Final design drawings for the Gates Phase 3 sewer extension (Harris Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 33 EDUs of multi-family homes. The review comments have been addressed.

Final Design: Gates Phase 3

A motion was made by Mr. Dempsey, seconded by Mr. Lapinski, to approve the Final Design: Gates Phase 3.. The motion passed unanimously.

5.1 Requisitions

BRIF #232	Dale Summit Acquisitions August 2016 Lease Pymt.	\$25,000.00
BRIF #231	Deere & Company John Deere Ag Gator Vehicle	\$24,119.66
TOTAL BRIF		\$49,119.66

Requisitions Approved

A motion was made by Mr. Dietz, seconded by Mr. Lapinski, to approve the BRIF Requisitions #231-232. 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, 2016.

6.2 Chairman's Report

Mr. Schmalz stated that the economic analysis provided by Mr. Dempsey that was included the Agenda is interesting and valuable, particularly the tabulated conclusion on the final page.

Mr Schmalz stated that he would submit however, that UAJA is a private, not-for-profit corporation without the benefit of any municipal or other subsidy save tax exemption. As the article points out water and sewer facilities have very high fixed costs (80-90%) and UAJA must operate with a balanced budget; marginal cost pricing is not a practical choice. We must balance operating cost (including both fixed and variable (marginal) costs against revenue. For us it is a zero-sum game: if use rises, customer costs may go down, but if use goes down, customer costs must go up.

This was a major (dominant?) factor in the problem in Flint, Michigan, and CTWA offers an example a little closer to home.

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>Feb. 2016</u>	<u>Mar. 2016</u>	<u>Apr. 2016</u>	<u>May 2016</u>	<u>Jun. 2016</u>	<u>Jul. 2016</u>
Production	706 cu/yds.	694 cu/yds.	657 cu/yds.	749 cu/yds.	943 cu/yds.	626 cu/yds.
YTD. Production	1,633 cu/yds.	2,327 cu/yds.	2,984 cu/yds.	3,733 cu/yds.	4,676 cu/yds.	5,302 cu/yds.
Distribution	618 cu/yds.	898 cu/yds.	835 cu/yds.	786 cu/yds.	662 cu/yds.	623 cu/yds.
YTD. Distribution	1,042 cu/yds.	1,940 cu/yds.	2,775 cu/yds.	3,561 cu/yds.	4,223 cu/yds.	4,846 cu/yds.
Immediate Sale	2,151 cu/yds.	1,989 cu/yds.	1,794 cu/yds.	1,665 cu/yds.	1,755 cu/yds.	2,075 cu/yds.
Currently in Storage	2,857 cu/yds.	2,683 cu/yds.	2,451 cu/yds.	2,414 cu/yds.	2,698 cu/yds.	2,701 cu/yds.

SEPTAGE OPERATIONS

	<u>Feb. 2016</u>	<u>Mar. 2016</u>	<u>Apr. 2016</u>	<u>May 2016</u>	<u>Jun. 2016</u>	<u>Jul. 2016</u>
Res./Comm.	0 gals.	14,800 gals.	0 gals.	6,600 gals.	0 gals.	0 gals.
CH/Potter	6,138.24 lbs/solids	7,697.82 lbs/solids	7,643.61 lbs/solids	8,348.34 lbs/solids	8,836.23 lbs/solids	8,335.83 lbs/solids
Port Matilda	1,501.20 lbs/solids	1,601.28 lbs/solids	1,684.68 lbs/solids	1,517.88 lbs/solids	1,901.52 lbs/solids	1,467.84 lbs/solids
Huston Twp.	767.28 lbs/solids	800.64 lbs/solids	1,034.16 lbs/solids	0 lbs/solids	600.48 lbs/solids	650.52 lbs/solids
Total Flow	75,500 gals.	86,800 gals.	67,500 gals.	74,600 gals.	86,500 gals.	63,500 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 July was 3.94mgd with the average for the month being 2.37mgd. The average monthly **influent** flow was 3.87mgd. 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 #2, #3, and #4; eight tertiary filters.

Below is the chart for Reuse Distribution and Temperature Data:

	July-16	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	31,000	170,000		
Centre Hills	11,287,000	30,321,000	July-16	July-16
Cintas	733,000	5,368,000	71.9	71.9
Red Line	290,000	2,531,000		
Uaja Wetland	3,543,000	29,464,000		
Wetland Vault	13,207,000	81,419,000		
Kissingers	315,000	6,708,000		
Stewarts	2200	3,896		
TOTAL	29,408,200	155,984,896		

Plant Maintenance

- Replaced the rubber on the skimmer arm on Secondary Clarifier #2.
- Repaired the lift cylinder on Composter #1.
- Installed a spare mixer for AM-508 and began rebuilding the old mixer.
- Cleaned Tanks 4, 5, and 6 at Dewatering.
- L.W. Hose inspected the '01 Chevy.
- Cleaned the Headworks influent channel.
- Installed an airline dryer for the AWT Air Compressor #1.
- Cleaned the Bio-Filter laterals.
- Installed a soft start in Bio-Fan #1.
- Replaced a fuse block and wires in the control panel for Composter #2.

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 Lateral Installed – 118 Belle Ave.
Mainline Repair – Vairo Blvd.
Manhole Repair – Manhole # 63 Science Park Ct.
Mainline televising - (481.8) ft. televised (4) manholes inspected.
Casting repairs – (42).
Suburban back lot project – Phase 2 (Suburban Park) awaiting permits.
Repaired storm water drainage swale over sewer main

Lift Station Maintenance:

Replaced start/stop floats at Scenery Park station.
Cleaned all check valves at Big Hollow station.
Replaced UPS at Ghaner station.
Started painting the valves, fittings, and pipes at all stations.
Cleaned (6) lift station wet wells.

NEXT MONTH PROJECTS:

Casting adjustments for College and Ferguson Township paving projects.
New lateral – 101 Ronan Drive.
Start Suburban back lot Phase #2.
Continue painting at pump stations.
Install air release at Big Hollow station.

Inspection: Final As-Builts Approved: None

Mainline Construction

- a. Rockey Ridge Section 3 – We are awaiting As-Builts.
Section 4 – Construction is 95% complete.

New Connections:

a.	Single-Family Residential	10	c.	Commercial	0	
b.	Multi-Family Residential	1	d.	Non-Residential	0	
					TOTAL	11

PA One-Calls Responded to 7/1-31/16: 295

6.6 Engineer's Report

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

Retainer

- A proposal for the scope and fee of the 2017 retainer is being prepared for review with the staff. A projected budget for small scale project scopes anticipated for 2017 will be developed with staff assistance. A meeting has been scheduled for Wednesday, August 17, 2016. The goals will be:
 - 1) to reduce the administrative burden to UAJA and HRG for small projects
 - 2) to provide assurance to senior staff that engineering assistance can be sought for immediate response to issues that arise without impacting department budgets.

Odor Control Study Upgrades

- The Preliminary Design Phase is underway. Weekly progress reports will be provided to staff outlining work completed and other relevant items.

Big Hollow Force Main Evaluation

- The eight (8) inch air release valve was received and installed. Testing occurred on Tuesday, August 9th and KCF Technologies, Inc. has been asked to retrieve and review vibration data. In addition to installation of the larger air release valve, the staff removed rags from each of the 100 series check valves. General observations indicated that the removal of rags from the check valves and the larger air release valve made a substantial improvement in pump performance and in the apparent vibration during pump operation. Pump flow rates are consistent with design conditions.

Overlook Heights Sanitary Sewer Replacement: Suburban Avenue Backlot

- The Sewage Facilities Planning Module was approved by the PA DEP.

The application for a Water Quality Management Permit was submitted. The PA DEP has been asked to expedite its review of the application to enable the work to be completed prior to the end of the paving season, which will allow staff to coordinate the completion of other projects, specifically the raising of manhole frames.

Wetland Flow Meter

- Daily flow data is being collected from the meter's integral logger.
- An approach to providing a 12-24VDC power supply to the meter to enable the use of the external logger was provided, which includes a solar panel with battery pack and a DC powered Act-Pak. The solar panel and battery pack have been installed. Staff is waiting on delivery of the Act-Pak.

Special Study for Act 537 Plan Update Revisions

- A draft task activity report (TAR) outlining the special study was prepared and submitted to the PA DEP. Based on discussions with PA DEP, a review is anticipated to occur begin within the next week.

Developer Plan Reviews:

- The Gates, Phase 3: Design Plans are recommended for approval.
- The Nittany Valley Sports Centre: Revisions to Design Plans are required to address first round comments.

6.7 Construction Report

The frequency regulation application is through the initial hurdles and is posted on line.

6.8 Executive Director's Report

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

Utility Of The Future Today Award

The Water Environment Federation has announced the list of the "Utility of the future today" awards. UAJA has been selected as one of 61 utilities that meet the selection criteria. Utilities are measured in the areas of water reuse, watershed stewardship, beneficial biosolids reuse, community partnering and engagement, energy efficiency, and nutrient & materials recovery. The selected utilities are from Canada, Denmark, and the United States.

Nutrient Management Plan

The development of the Nutrient Management Plan was put on hold while the MS4 partners attended MS4 training July 19th. The MS4 partners have suggested that no decision be made concerning shared projects between UAJA and one or more of the MS4 partners until written guidance is received from DEP.

Article on Water Pricing

Brian Dempsey shared an article that he found concerning water pricing. The article is included in the agenda report. It indicates that water behaves as an inelastic commodity.

7. Other Business

**Executive Session
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Nucciarone, to adjourn to executive session at 5:10 p.m. The motion passed unanimously.

8. Adjournment

The meeting was adjourned at 5:10 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Brian A. Dempsey

Secretary/Assistant Secretary