

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – August 19, 2015

1. Call to Order

Mr. Schmalz, Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:08 p.m. Wednesday, August 19, 2015. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Dietz, Guss, Lapinski, McShea, Nucciarone, and Schmalz; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Jason Brown, Project Manager; Dave Gaines, Solicitor; Ben Burns, Tom Holleran and Dave Swisher, Consulting Engineers; Jason Wert, RETTEW; Mark Whitfield, State College Borough; Jim May and Eric Vorwald, Center Region; Tom Songer, Torron Group; Laura Dininni; and Kathy Wheeler; recording secretary.

2. Reading of the Minutes

2.1 UAJA Regular Meeting – July 15, 2015

UAJA Meeting Minutes Approved
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A motion was made by Mr. Lapinski, seconded by Mr. Guss, to approve the minutes of the UAJA meeting held on July 15, 2015 as submitted. The motion passed unanimously.

3. Public Comment

Mr. Songer reviewed with the Board his correspondence regarding volumetric billing and tapping fees. Mr. Schmalz stated that the Board will take his comments into consideration and will respond back to him after the Board has had an opportunity to discuss the information.

Ms. Dininni thanked the Board for taking time to listen to Mr. Songer. She stated that she has done some research on volumetric billing as the best form of billing. Ms. Dininni also stated that she would like to learn about infiltration and how it affects volumetric billing.

4. Old Business

4.1 Centre Region Planning Agency Request for Funding

During 2016 the Centre Region will be working on several issues which have an impact on UAJA. The Centre Region Planning Agency Director Jim May will be present at the UAJA meeting to begin discussions concerning funding of some of those activities. In the past, UAJA has budgeted funding for CRPA during times when important sewer system related work is underway. A letter from Jim May is included in the agenda package. The timing of this request fits well with the UAJA budget process.

4.2 Final Design:

Final design drawings for the North Atherton Retail Center sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 11 EDU's in 5 separate businesses. The review comments have been addressed.

Final Design Approved

A motion was made by Mr. McShea, seconded by Mr. Lapinski, to approve the Final Design drawings for North Retail Center. The motion passed unanimously.

5. New Business

5.1 2016 Budget

In order to meet the expectation to have final approval of next years budget at the October meeting, Staff has developed the following schedule:

8/12/15	Worksheets to supervisors (7 months of 2015 data)
9/2/15	Return worksheets to Dave
9/11/15	Draft budget for September Board packet
9/16/15	Board comments/questions and appoint subcommittee
10/7/15	Subcommittee meeting
10/21/15	Final Board approval

5.2 Emergency Repair – Centrifuge Drives and Control

One of the drives for Centrifuge #1 has failed. We are unable to run Centrifuge #1. Centrifuge #2 is marginally able to keep up with our sludge production. If anything goes wrong with #2 or if we have high sludge production, we will be unable to process sludge. Obviously this is unacceptable. The drives and controls are obsolete and are unable to be repaired. Cory has authorized an emergency repair/replacement. The costs are estimated to be \$300,000 for both and will take approximately 16 weeks.

**Budget Amendment
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Dietz, to approve the Emergency Repair – Centrifuge Drives and Control. Motion passed unanimously.

5.2 Requisitions

BRIF #183	Dale Summit Acquisitions August Lease Pymt.	\$25,000.00
BRIF #184	Rettew SHAWT Eng, Inv # 92927	\$8,700.00
BRIF #185	H & R Excavating Selder's Circle Trench Paving	\$54,880.52
BRIF #186	Xylem Water Solutions Marywood Pump Replacement	\$31,206.28
BRIF #187	John Nastase Construction Pay App #3 (FINAL)	\$27,268.48

**Requisition
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Dietz, to approve BRIF requisitions 183 - 187. 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, 2015.

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>Feb. 2015</u>	<u>Mar. 2015</u>	<u>Apr. 2015</u>	<u>May 2015</u>	<u>Jun. 2015</u>	<u>Jul. 2015</u>
Production	546 cu/yds.	585 cu/yds.	942 cu/yds.	681 cu/yds.	882 cu/yds.	719 cu/yds.
YTD. Production	1,231 cu/yds.	1,816 cu/yds.	2,758 cu/yds.	3,439 cu/yds.	4,321 cu/yds.	5,040 cu/yds.
Distribution	902 cu/yds.	610 cu/yds.	1,146 cu/yds.	790 cu/yds.	744 cu/yds.	1,222 cu/yds.
YTD. Distribution	1,217 cu/yds.	1,827 cu/yds.	2,973 cu/yds.	3,763 cu/yds.	4,507 cu/yds.	5,729 cu/yds.
Immediate Sale	1,451 cu/yds.	1,396 cu/yds.	1,138 cu/yds.	1,290 cu/yds.	1,227 cu/yds.	887 cu/yds.
Currently in Storage	1,997 cu/yds.	1,981 cu/yds.	2,080 cu/yds.	1,971 cu/yds.	2,109 cu/yds.	1,606 cu/yds.

SEPTAGE OPERATIONS

	<u>Feb. 2015</u>	<u>Mar. 2015</u>	<u>Apr. 2015</u>	<u>May 2015</u>	<u>Jun. 2015</u>	<u>Jul. 2015</u>
Res./Comm.	0 gals.	0 gals.	0 gals.	0 gals.	0 gals.	4,000 gals.
Hawbaker	0 gals.	179,500 gals.	192,500 gals.	0 gals.	58,500 gals.	147,000 gals.
CH/Potter	2,706.33 lbs/solids	9,778.65 lbs/solids	9,728.61 lbs/solids	6,394.28 lbs/solids	5,059.04 lbs/solids	7,038.96 lbs/solids
Port Matilda	683.88 lbs/solids	2,018.28 lbs/solids	1,501.20 lbs/solids	2,068.32 lbs/solids	1,501.20 lbs/solids	1,684.68 lbs/solids
Huston Twp.	500.40 lbs/solids	617.16 lbs/solids	400.32 lbs/solids	366.96 lbs/solids	417.00 lbs/solids	633.84 lbs/solids
Total Flow	28,500 gals.	264,500 gals.	268,000 gals.	59,900 gals.	117,500 gals.	228,000 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 July was 4.30mgd with the average for the month being 3.73mgd. The average monthly **influent** flow was 5.05mgd. There were no inspections by DEP 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-15	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	40,000	273,000		
Centre Hills	*	16,620,000	July-15	July-15
Cintas	769,000	5,290,000	68.8	68.6
Red Line	216,000	2,265,000		
Uaja Wetland	3,712,000	23,457,000		
GDK Vault	12,237,000	69,626,000		
Kissingers	946,000	6,033,000		
Stewarts	670	1,780		
TOTAL	19,857,800	123,565,780		

Plant Maintenance

- Replaced the wear shoes, carry shoes, skid plates, and trough seals in Primary Tanks #2 and #3.
- Replaced the hoist cables on the Outfall UV Lights.
- Roy Brooks Welding made repairs to the Backwash Supply vent line.
- Replaced the diaphragm in Primary Pump #11.
- Repaired burnt wiring in HP-8.
- Replaced the SSOL for Mixer 504.
- Replaced the gasket in the main air line for Train #3.
- Noerr's repaired the dump bed on the single axle dump truck.
- Replaced a process control valve on MF#1.
- Rebuilt a 2.4 HP Landia Mixer.
- R&D Group replaced the obsolete air monitor at the Headworks Building.
- Cleaned the Bio-Filter laterals and sprays nozzles.

6.5 Collection System Superintendent's Report

The following comments are as presented to the Board in the written report prepared by Richard Lahr, Collection System Superintendent.

Mainline Maintenance:

- (UA) Lateral Installations – (0)
- (UA) Lateral Repairs – (1) 606 Wiltshire Drive
- (UA) Mainline Cleaning – (0) manholes inspected- (0) feet cleaned
- (UA) Mainline Repairs – (2) 1646 and 1650 North Atherton Street
- (UA) Manhole Repairs – (0)
- (UA) Manhole Casting Repairs – (8)
- (FTA) Lateral Installations – (0)
- (FTA) Lateral Repairs – (0)
- (FTA) Mainline Cleaning – (0) manholes inspected- (0) feet cleaned
- (FTA) Mainline Repairs – (0)
- (FTA) Manhole Repairs – (0)
- (FTA) Manhole Casting Repairs – (0)

We have completed the Selder's Circle project. We made repairs and policed the site at Big Hollow.

(A)CONSTRUCTION &(B)I/I INSPECTION: (A)(We TV'd 1125 ua/0 fta feet of mainline and inspected 9 ua/0 fta MH's .) (B)Tested/Grouted – (MH's grouted ua 0 fta 0 /Joints tested ua 0 fta 0 /grouted ua 0 fta 0/) (Grout used 0/Gal.). Estimated I/I-flow decreased (0gpd/= 0 EDU's).

Lift Station Maintenance:

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

At Big Hollow we installed stone sidewalks, and cleaned both wet wells. We rebuilt the check valves at the Haymarket station. Repaired 1 E-1 pump. We also cleaned all wet wells.

Inspection: Provisional As-builts Approved: Highwoods at Toftrees

Mainline Construction:

a. Village at PSU, Ph12 – Construction is approximately 98% complete.

New Connections:

a.	Single-Family Residential	10	c.	Commercial	0	
b.	Multi-Family Residential	0	d.	Industrial	0	
					TOTAL	10

PA One-Calls Responded to 7/1-31/15: **304**

6.6 Engineer's Report

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

Retainer

HRG obtained aerial photographs of the wetland site and is preparing a large print photograph for display and discussion at the board meeting.

Big Hollow Interceptor Rehabilitation

- Contracts 09-4, 09-5 and 09-6:Big Hollow Diversion Pump Station (General, Mechanical, Electrical)

- Contract 09-4 was issued a defective work notice for restoration around the pump station. The Contractor agreed to provide restoration touch-up, with scheduling dependent on weather. The work has not been corrected, to date.

Constructed Wetlands

- The Contractor has completed the minimum requirements for contract closeout. As such, final payment and contract closeout is recommended.
- Final payment due is in the amount of \$27,268.48.
- A defective work notice was issued within the correction period of the Contract for two balled and burlapped trees.

Selders Circle Sewer Relocation

- A field survey will be completed and record drawings will be prepared after Ferguson Township completes all construction activities in the area.

Odor Control Study

- Alternatives evaluation is underway with a focus on 95% odor reduction from the compost facility and the dewatering facility.
- A hydrogen sulfide odor logger was installed in the Dewatering Building to obtain additional data as requested by a vendor.

Standard Specifications and Details Update

- The updated sanitary sewer specifications/details and the developed reclaimed water specifications/details were delivered for review.

Scott Road Forcemain Evaluation

- A technical memorandum is being prepared.

Marywood Pump Station: Pump Failure Evaluation

- A technical memorandum outlining the basis of design for a future Waddle Pump Station is being developed.

Big Hollow Force Main Evaluation

- The high service pumps (100 series) have exhibited noise and vibration during operation that is believed to be related to air trapped within the forcemain line. HRG has been working with Staff to investigate and confirm this basis for these conditions. An update of the ongoing evaluation will be provided at the meeting.

6.7 Construction Report

No written report was received from the Construction Engineer. Mr. Wert stated that he would answer any questions that the Board had.

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.

Beneficial Reuse Water Reclassification

DEP continues to evaluate options for reclassifying UAJA's Beneficial Reuse Water. They are currently investigating having the reuse water permitted under the drinking water program. DEP will be visiting UAJA October 1st to have several people from the drinking water program tour the advanced water treatment system, and to discuss alternatives.

Treatment Capacity for Penn State

At their July meeting, the COG General Forum took the following action:

"That the General Forum authorize the Public Services and Environmental Committee to prepare a draft policy statement for guiding future decisions regarding proposed connections to the University Area Joint Authority wastewater collection and treatment system by the Pennsylvania State University in those areas where the UAJA currently provides service to the University, and further, that when the draft policy is complete that it be forwarded to the General Forum for consideration."

UAJA staff will be working closely with the Public Services and Environmental Committee to ensure that they understand the implications of allocating capacity to Penn State. Of particular importance is the nutrient capacity, which is a mass load that cannot be increased.

7. **Executive Session**

Executive Session

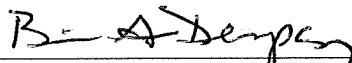
A motion was made by Mr. Lapinski, seconded by Mr. McShea, to adjourn to executive session at 5:07 p.m. The motion passed unanimously.

8. **Adjournment**

The meeting was adjourned at 5:09 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary