

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – June 17, 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, June 17, 2015. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Dempsey, Ebaugh, Guss, McShea, Nucciarone; Schmalz; and Spac; Cory Miller, Executive Director, Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Jason Brown, Project Manager; David Gaines, Solicitor; Ben Burns, Tom Holleran and Dave Swisher, Consulting Engineers; Jason Wert and Chris Underwood, RETTEW; Mark Whitfield, State College Borough; Eric Vorwald, Center Region; and Kathy Wheeler, Recording Secretary.

2. Reading of the Minutes

2.1 UAJA Regular Meeting – May 20, 2015

UAJA
Meeting Minutes
Approved

A motion was made by Mr. McShea, seconded by Mr. Dempsey, to approve the minutes of the UAJA meeting held on May 20, 2015 as submitted. The motion passed unanimously.

3. Public Comment

None.

4. Old Business

4.1 Odor Control Study Update

Mr. Burns, HRG, gave a brief report the board on the progress of the odor control study. We are still receiving data sheets from the public. Data is being evaluated from the third sampling event. Recommendations along with costs associated with the recommendation will be presented later in the year.

4.2 Influent Flow Data Discussion

Mr. Miller reviewed with the Board the analysis on influent flow that Mr. Jon Dietz presented to the Board in March 2015. The charts and narrative information that were presented were included in the meeting packet. Mr. Dietz's analysis indicates water conservation occurring in the UAJA service area.

5. New Business

5.1 Change Orders

There are 3 Change Orders to consider for the SHAWT Contracts:

Change Order #4 in the deductive amount of \$15,000 for Contract 14-05 for deletion of the coating (painting) allowance from the contract.

Change Order #5 in the additive amount of \$806.27 for Contract 14-07 for the installation of 2 local disconnects for the HVAC system that were requested by the Building Code office.

Change Order #1 in the additive amount of \$4,368.00 for Contract 14-08 for the replacement of throat adapters for the Reverse Osmosis end caps.

**Change Orders
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Guss, to approve Change Orders #4, #5 and #1 for the SHAWT Contracts. Motion passed unanimously.

5.2 Requisitions

BRIF #173	Dale Summit Acquisitions June Lease Pymt.	\$25,000.00
BRIF #174	HRG Selder's Circle Eng. Inv #104948	\$1,235.00
BRIF #175	HRG Odor Control Study Pay App #8	\$1,262.07
BRIF #176	M2 Construction, LLC. Pay App #6 SHAWT General	\$41,304.68
BRIF #177	Bob Biter Electrical Pay App #5 SHAWT Electrical	\$15,316.57
BRIF #178	GCS Water Purification, LLC. Pay App #3 Membranes	\$23,849.25

**Requisition
Approved**

A motion was made by Mr. McShea, seconded by Mr. Spac, to approve BRIF requisitions 173 - 178. The motion passed unanimously.

6. Reports of Officers

6.1 Financial Report

Mr. Miller reviewed with the Board the YTD budget report for the period ending May 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>Dec. 2014</u>	<u>Jan. 2015</u>	<u>Feb. 2015</u>	<u>Mar. 2015</u>	<u>Apr. 2015</u>	<u>May 2015</u>
Production	653 cu/yds.	685 cu/yds.	546 cu/yds.	585 cu/yds.	942 cu/yds.	681 cu/yds.
YTD. Production	7,912 cu/yds.	685 cu/yds.	1,231 cu/yds.	1,816 cu/yds.	2,758 cu/yds.	3,439 cu/yds.
Distribution	285 cu/yds.	315 cu/yds.	902 cu/yds.	610 cu/yds.	1,146 cu/yds.	790 cu/yds.

YTD. Distribution	7,825 cu/yds.	315 cu/yds.	1,217 cu/yds.	1,827 cu/yds.	2,973 cu/yds.	3,763 cu/yds.
Immediate Sale	1,330 cu/yds.	1,664 cu/yds.	1,451 cu/yds.	1,396 cu/yds.	1,138 cu/yds.	1,290 cu/yds.
Currently in Storage	1,983 cu/yds.	2,349 cu/yds.	1,997 cu/yds.	1,981 cu/yds.	2,080 cu/yds.	1,971 cu/yds.

SEPTAGE OPERATIONS

	<u>Dec. 2014</u>	<u>Jan. 2015</u>	<u>Feb. 2015</u>	<u>Mar. 2015</u>	<u>Apr. 2015</u>	<u>May 2015</u>
Res./Comm.	0 gals.	0 gals.	0 gals.	0 gals.	0 gals.	0 gals.
Hawbaker	102,000 gals.	33,000 gals.	0 gals.	179,500 gals.	192,500 gals.	0 gals.
CH/Potter	5,550.27 lbs/solids	2,339.37 lbs/solids	2,706.33 lbs/solids	9,778.65 lbs/solids	9,728.61 lbs/solids	6,394.28 lbs/solids
Port Matilda	1,634.64 lbs/solids	1,517.88 lbs/solids	683.88 lbs/solids	2,018.28 lbs/solids	1,501.20 lbs/solids	2,068.32 lbs/solids
Huston Twp.	467.04 lbs/solids	350.28 lbs/solids	500.40 lbs/solids	617.16 lbs/solids	400.32 lbs/solids	366.96 lbs/solids
Total Flow	162,500 gals.	69,500 gals.	28,500 gals.	264,500 gals.	268,000 gals.	59,900 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 May was 4.32mgd with the average for the month being 3.62mgd. The average monthly **influent** flow was 4.86mgd. There were no inspections by DEP this month.

Treatment units on line are as follows: primary clarifiers #3, #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:

	May-15	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	36,000	175,000		
Centre Hills	7,887,000	9,947,000	May-15	May-15
Cintas	764,000	3,665,000	63.5	61.0
Red Line	376,000	1,891,000		
Uaja Wetland	2,831,000	19,745,000		
GDK Vault	7,221,000	49,025,000		
Kissingers	742,000	4,088,000		
Stewarts	800	800		
TOTAL	19,857,800	88,536,800		

Plant Maintenance

- Replaced the electric winch motor for Train #2 Outfall UV Lights.
- Roy Brooks Welding repaired the weir brushes on Secondary Clarifier #1.
- The single axle was inspected and had the front tires replaced at L.W. Hose.
- Replaced the VFD touch screen on Booster Pump #2.
- Installed a remote alarm panel for the Ozone System.
- Installed a DC power supply and mounted a new managed switch in the main control panel at AWT.
- Installed a back-flow preventer valve in the Reuse line servicing the AWT.
- Repaired the Quad Odor Control System. The system is using a temporary water line run on top of the ground. A water line will need to be installed before winter if this system is to continue to operate.
- Replaced the dolly chain on Composter #2.
- Cleaned the laterals in the Bio-Filter.
- Serviced the Trommel Screen.

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 – (0)
(UA) Mainline Cleaning – (0) manholes inspected- (0) feet cleaned
(UA) Mainline Repairs – (0)
(UA) Manhole Repairs – (0)
(UA) Manhole Casting Repairs – (0)
(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 started work where we left off on Selder's Circle in Ferguson Twp., we are approximately 70% complete with the entire project.

(A)CONSTRUCTION &(B)I/I INSPECTION: (A)(We TV'd 0 ua/0 fta feet of mainline and inspected 0 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. We replaced a pump seal at Shiloh Road. We repaired four (4) E-one grinder pumps.

Inspection: Provisional As-builts Approved: None

Mainline Construction:

- a. Villa1 & Villa 2 Apts. Replacement – We are awaiting electronic submission revisions.

New Connections:

a.	Single-Family Residential	6	c.	Commercial	0
b.	Multi-Family Residential	2	d.	Industrial	0
				TOTAL	8

PA One-Calls Responded to 5/1-31/15: 299

6.6 Engineer's Report

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

Retainer

- Sewer Model Updates –Staff is updating the GIS database for geospatial EDU distribution.
- A pressure logger was installed at the Marywood Pump Station to establish the pump operating point to evaluate if a recent pump failure could have resulted from curve run-out.

Big Hollow Interceptor Rehabilitation

- Contracts 09-4, 09-5 and 09-6:Big Hollow Diversion Pump Station (General, Mechanical, Electrical)
- A pump manufacturer's representative was on-site and installed a new motor element with a new wiring harness and lower bearing sensor on P-102. This installation resolved the issues with P-102.
- Contract 09-4 will be providing touch-up and nutrients to the vegetative restoration around the pump station.
- Hydraulic noise from the 100 Series Pumps is believed to be caused by air trapped in the force main. UAJA's Construction Crew will be installing a service saddle at a location where air may be trapped.

Constructed Wetlands

- The Contractor re-tilled the wetland areas and applied additional wetland seed mix.
- The Contractor is finalizing punchlist items and submitting closeout documentation.

Selders Circle Sewer Relocation

- HRG is available to assist with construction as needed.

Odor Control Study

- The spring sampling event was conducted and results are being tabulated.
- Air dispersion modeling is being performed based on collected results.
- Alternative development is ongoing.

Standard Specifications and Details Update

- Work to prepare updated specifications and details is ongoing.

Scott Road Forcemain Evaluation

- A pressure logger has been procured and installed that can collect readings at 1 second intervals. Data is expected by the Authority meeting for discussion.

6.7 Construction Report

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

General Services

General Services Items Completed for the Authority:

- Assisted in the completion of the modifications to the Compost Server. It appears this server is now fully operational.
- Continued Coordination of Compost Modifications to Left/Right Servers from AEC Engineering (Portland, ME) and UAJA Staff
- An on-site inspection of the UAJA network was completed on May 21, 2015 and detected no anomalies. The focus is now on the AWT Computer and Wonderware Application issues.
- Continued monitoring and assistance in Compost Mix Design and Performance
- Assistance and data evaluation of Dewatering performance
- Evaluation of Heat Recovery and Chilling with Reuse Water
- Evaluation of Natural Gas Cogeneration at the Main Plant
- Completed Act 129 Rebate Application for Ozone System Modifications

Solids Handling and Advanced Water Treatment System Upgrades – Contract 2014-05 through -08

Update of Construction Progress:

- Contract 2014-05 and Contract 2014-07 were Substantially Complete on May 22, 2015. A substantial completion inspection is scheduled for Contract 2014-06 for the week of June 15, 2015.
- All major systems are completed with the exception of the modifications of the Controls at the Centrifuge Building.
The new RO Membranes completed installation on May 20, 2015. A presentation will be made to the Board on the new Membranes and performance related to the Ozone system

Payment Applications and Change Orders:

- Change Order #4 was prepared in the deductive amount of \$15,000.00 for Contract 2014-05 for M2 Construction, LLC for the deletion of the coating allowance from the Contract. The Change Order was requested by UAJA and reviewed and is recommended for Approval.
- Change Order #5 was received in the additive amount of \$806.27 for Contract 2014-07 from Bob Biter Electrical for the installation of two (2) local disconnects for the HVAC system that were requested by the Building Code office. The Change Order was requested by Bob Biter Electrical and reviewed by RETTEW and is recommended for Approval.
- Payment Application #6 was received in the amount of \$41,304.68 for Contract 2014-05 from M2 Construction, LLC. This Payment Application was received and reviewed by RETTEW and is recommended for Approval.
- Payment Application #5 was received in the amount of \$15,316.57 for Contract 2014-07 from Bob Biter Electrical. This Payment Application was received, corrected and reviewed by RETTEW and is recommended for Approval.
- Change Order #1 was prepared in the additive amount of \$4,368.00 for 2014-08 from GCS Water Purification, LLC for the replacement of throat adapters for the Reverse Osmosis End Caps. The Change Order was requested by GCS Water Purification, LLC and reviewed by RETTEW and is recommended for Approval.
- Payment Application #3 was received in the amount of \$23,849.25 for Contract 2014-08 from GCS Water Purification, LLC. This Payment Application was received and reviewed

by RETTEW and is recommended for Approval.
A summation of the payment amounts to date are as follows:

CONTRACT	Contract Amount	Change Orders Amount	Work Completed	% Complete	Payment Approved*	Retainage and Work to Complete
2014-05	\$954,700.00	(\$17,371.42)	\$910,328.58	97.1%	\$910,328.58	\$27,000.00
2014-06	\$198,500.00	-	\$187,000.00	94.2%	\$150,353.65	\$48,146.35
2014-07	\$121,700.00	\$18,238.40	\$111,851.34	79.4%	\$111,851.34	\$28,893.33
2014-08	\$158,995.00	\$4,368.00	\$143,095.50	90%	\$143,095.50	\$15,899.50

*Inclusive of Recommended Payment for this Board Report

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.

Shiloh Road Rezoning Request

As directed by the board at the May meeting, a comment letter concerning the Shiloh Road rezoning request was sent to College Township. Copies were also sent to the other Centre Region Municipalities and the Council of Governments (COG). A copy of the letter is included in the agenda report.

Penn State University Request for Service

Penn State sent a letter to COG concerning sewer service to their new water treatment plant and other parts of Penn State. As was discussed at the February Board meeting, UAJA believes that the Centre Region Municipalities need to allocate sewer capacity to PSU in order for UAJA to serve the water plant or any other future PSU facilities. A copy of the Penn State letter is included in the agenda report.

7. Other Business

7.1 Executive Session

**Executive Session
Approved**

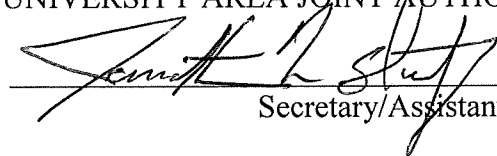
A motion was made by Mr. Ebaugh, seconded by Mr. Dempsey, to approve adjourn to executive session at 5:10 p.m. Motion passed unanimously.

8. Adjournment

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

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary