

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – June 21, 2017

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 21, 2017. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Derr, Dietz, Ebaugh, Guss, Lapinski, McShea, Nucciarone and Schmalz; Cory Miller, Executive Director, Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Jason Brown, Project Manager; Richard Campbell and David Gaines, Solicitor; Ben Burns, Tom Holleran and Jeff Garrigan, Consulting Engineers; Steve Siegfried, RETTEW; Greg Garthe and Jim May, CRPA; Amy Kerner, State College Borough; John Gaudlip, PSU OPP; John Frye, PFM; Deb Hoag, State College Borough; and Kathy Wheeler, Recording Secretary.

2. Reading of the Minutes

2.1 UAJA Regular Meeting – May 17, 2017

UAJA Meeting Minutes Approved
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A motion was made by Mr. Nucciarone, seconded by Mr. Guss, to approve the minutes of the UAJA meeting held on May 17, 2017. The motion passed unanimously.

3. Public Comment

None.

4. Old Business

4.1 CRPA report on UAJA sewer service to portions of Penn State

The 2006 Act 537 Plan indicates that Penn State flows will be handled by Penn State through their own collection and treatment system. Penn State requested service from UAJA in February 2015 for a new building. UAJA asked COG for direction, since service to Penn State by UAJA is not indicated in the Act 537 Plan. COG directed CRPA to prepare a policy for sewer service to Penn State. The report and several draft policies were included in the agenda report.

To provide clarity to all questions raised by UAJA, the policy should address the following:

1. What areas can be served by UAJA.
2. How much capacity should be allocated to Penn State.
3. Whether or not Penn State is required to pay the prevailing UAJA tapping fee.
4. Whether or not Penn State should provide nutrient offsets for new connections.

CRPA would like to place this on the July Public Services and Environmental Committee meeting. Mr. Miller will accept comments from the Board via email and then submit to CRPA.

5. New Business

5.1 Potential Refunding of 2011A Bond Issue

John Frye of PFM reviewed with the Board options for a potential refunding of the 2011A Bond Issue. Mr. Frye stated that a RFP would be completed to see what funding was available through the banks

5.2 Requisitions

BRIF #272	HRG Selder's Circle Record Drawings	\$740.00
BRIF #273	Gannett Fleming Companies GeoDecisions - GIS	\$133.18
BRIF #274	Quality Machining Primary Clarifier Flights	\$8,686.00
BRIF #275	CNH Industrial Capital Case Mini-Excavator Payment 1 of 3	\$32,782.27
TOTAL BRIF		\$42,341.45

Requisitions Approved

A motion was made by Mr. Lapinski, seconded by Mr. McShea, to approve the BRIF Requisitions #272-275. The motion passed unanimously.

2017 Construction Fund #11	HRG Odor Control Final Design Through 6/4/2017	\$33,000.00
2017 Construction Fund #12	HRG Reuse Extension to Harris	\$8,918.29
2017 Construction Fund #13	Rettew Associates, Inc. ENR/AWT Final Design	\$20,680.00

TOTAL 2017 CF **\$65,598.29**

Requisitions Approved

A motion was made by Mr. McShea, seconded by Mr. Dietz, to approve the 2017 Construction Fund Requisitions #11-13. The motion passed unanimously.

Revenue Fund #152	Debt Service, Operating And Maintenance Expenses	\$1,000,000
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**Requisition
Approved**

A motion was made by, Mr. Nucciarone, seconded by Mr. Guss, to approve the Revenue Fund Requisition #152. 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, 2017.

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. 2016</u>	<u>Jan. 2017</u>	<u>Feb. 2017</u>	<u>Mar. 2017</u>	<u>Apr. 2017</u>	<u>May 2017</u>
Production	891 cu/yds.	750 cu/yds.	736 cu/yds.	913 cu/yds.	829 cu/yds.	970 cu/yds.
YTD. Production	9,198 cu/yds.	750 cu/yds.	1,486 cu/yds.	2,399 cu/yds.	3,228 cu/yds.	4,198 cu/yds.
Distribution	888 cu/yds.	395 cu/yds.	1,092 cu/yds.	304 cu/yds.	604 cu/yds.	569 cu/yds.
YTD. Distribution	9,645 cu/yds.	395 cu/yds.	1,487 cu/yds.	1,791 cu/yds.	2,395 cu/yds.	2,964 cu/yds.
Immediate Sale	850 cu/yds.	1,345 cu/yds.	974 cu/yds.	1,786 cu/yds.	2,129 cu/yds.	2,399 cu/yds.
Currently in Storage	1,741 cu/yds.	2,095 cu/yds.	1,710 cu/yds.	2,699 cu/yds.	2,958 cu/yds.	3,369 cu/yds.

SEPTAGE OPERATIONS

	<u>Dec. 2016</u>	<u>Jan. 2017</u>	<u>Feb. 2017</u>	<u>Mar. 2017</u>	<u>Apr. 2017</u>	<u>May 2017</u>
Res./Comm.	0 gals.	0 gals.	0 gals.	10,300 gals.	4,750 gals.	10,650 gals.
CH/Potter	4,908.09 lbs/solids	4,878.90 lbs/solids	4,607.85 lbs/solids	7,827.09 lbs/solids	5,746.26 lbs/solids	8,402.55 lbs/solids
Port Matilda	1,184.28 lbs/solids	1,884.84 lbs/solids	1,551.24 lbs/solids	2,568.72 lbs/solids	1,801.44 lbs/solids	1,668.00 lbs/solids
Huston Twp.	567.12 lbs/solids	0 lbs/solids	366.96 lbs/solids	483.72 lbs/solids	0 lbs/solids	600.48 lbs/solids
Total Flow	58,000 gals.	55,000 gals.	61,000 gals.	108,800 gals.	72,750 gals.	93,150 gals.

6.4 Plant Superintendent's Report

The following comments are as presented to the Board in the revised 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 3.87mgd with the average for the month being 4.40mgd. The average monthly **influent** flow was 5.42mgd. There was a plant inspection with no noted violations this month.

Treatment units on line are as follows: primary clarifiers #3, #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-17	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	32,000	133,000		
Centre Hills	6,103,000	7,399,000	May-17	May-17
Cintas	691,000	3,299,000	62.8	61.7
Red Line	273,000	1,691,000		
Uaja Wetland	4,559,000	13,223,000		
Wetland Vault	13,935,000	94,140,000		
Kissingers	1,448,000	6,663,000		
Stewarts	5570	5570		
TOTAL	27,046,570	126,553,570		

Plant Maintenance

Replaced the anti-freeze in the Plant Generator.

Replaced the panel view for the Plant drain Station.

Replaced a power supply in the control panel at Septage Receiving.

Installed a cooling fan in the control panel for the Outfall UV Lights.

Received the rebuilt Quincy Air-Compressor from C.H.Reed. This was done under warranty.

Rebuilt the Dezurick Valves for Primary tanks 1-4.

Cummins serviced the emergency generators at the Plant and the Main Station.

Started Aeration Basin #3 and took #1 off line.

Replaced the cooling fans in the VFD's for the wall pumps.

Repaired the control circuit for Tertiary Filter Effluent Valve #2.

Rebuilt a 6.4 HP Landia Mixer.

Replaced the gate cylinder and main power fuses on Composter #3.

Repaired connections in the control circuit on Centrifuge #1.

Gasho installed the rebuilt Tuthill blower for WAS Tank #5. This was done under warranty.

The SCADA communication problem between the SCADA room and AWT has been resolved.

After the new screens are updated all communication will be turned on to the SCADA system.

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 Laterals – (3) – 102 & 118 Bathgate Drive, 125 Lenor Drive.

Mainline Cleaning – (10) manholes inspected – (2161 ft) of mainline cleaned.

Mainline Televised – (1861 ft) televised – (11) manholes inspected.

Mainline Repairs – 1952 Waddle Road.
Suburban Park Project – completed restoration.
Odor Control Project – utility relocation – 95% complete.

Lift Station Maintenance:

Cleaned check valves at Big Hollow and Scott Road stations.
Repaired a Flyght pump at Harris Drive station.
Repaired (2) E-One pumps.
Cleaned (4) lift station wet wells.
Replaced low level float at Big Hollow station.
Serviced all generators

.NEXT MONTH PROJECTS:

Casting adjustments for Township and Penn Dot Paving projects.
Complete odor control utility relocation project.
Repair storm water drainage swale at Christopher Lane (above sewer main).
Rebuild check valves at Scott Road station..

Inspection: Final As-Builts Approved:

- a. Stearns Crossing Phase 9.
- b. The Crossings at State College.
- c. Selders Circle.

Mainline Construction:

- a. The Gates Ph 3 – 100% complete (Awaiting As-Builts).

New Connections:

a.	Single-Family Residential	8	c.	Commercial	2
b.	Multi-Family Residential	0	d.	Non-Residential	0
TOTAL					10

PA One-Calls Responded to 05/1-31/17: 478

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 Staff with calibration requirements for magnetic flow meters.

Scott Road Force Main Record Drawings

- Preparation of the Record Drawings is underway.

Odor Control System Upgrades

- Additional air sampling for volatile organic compounds was performed and the results have been submitted to DEP for review.
- Discipline design (e.g. electrical, structural) is 90% complete. An internal (HRG) QA/QC review will occur over the next week and a meeting has been scheduled with UAJA staff on June 26th.

- A preliminary/final submission was made to College Township on May 22nd for Land Development approval. Coordination with the subdivision and consolidation completed by Rettew for the Solar Project concluded that an additional internal property boundary will need to be removed to comply with Township requirements. HRG is coordinating with Rettew, to perform the parcel consolidation after the Land Development process for the Solar project is completed.
- Pending DEP air quality plan approval, the following schedule is anticipated:
 - Request Board authorization to Bid June 21st
 - Advertise (CDT and PennBID) July 7th
 - Bid Opening (via PennBID on-line) August 11th (49 days)
 - Recommendation to Board and NOI August 16th
 - Notice of Award (September with acceptance of Bonds)
 - Notice to Proceed (September)

Special Study for Reclaimed Waterline Extension

- HRG has assisted the Executive Director in the preparation and presentation of this project to the COG Public Services and Environment Committee on 6/1, and the upcoming COG General Forum on 6/26. The schedule for completion of the Special Study is revised from that presented last month. The CRPA has proposed the following schedule for the consideration of this project:
 - June 26th – COG General Forum reviews and initiates a public comment period to end on August 28th and refer the study to the Centre Region municipalities for review
 - June 28th – August 28th – Public comment period, municipal reviews, review by PS&E and CRPC at their August meetings
 - September 7th – PS&E Committee and CRPC review public and municipal comments and make formal recommendations to the General Forum
 - September 19th – Executive Committee meeting, consideration for inclusion on September General Forum agenda
 - September 25th – General Forum Meeting

Developer Plan Reviews:

- The Design Drawings for the Nursing Home-NVSC Lot 3-2350 Bernel Road (1178.0623) were returned to the Developer on 3/27 with comments for correction. No response has been received as of 6/14.
- The Design Drawings for the West Cherry Lane Multi Use Building (1178.0625) were returned to the Developer for correction on 5/8. No response has been received as of 6/14.

Five Developer Plan submissions have been active since the Board report:

- The As-Built Plans for Stearns Crossing - Phase 9 (1178.0626) were reviewed and were recommended to Staff for approval on 5/19.

- The As-Built Plans for The Crossing at State College (1178.0624) were reviewed and were recommended to Staff for approval on 5/25.
- The Design Drawings for the Benjamin Heights (1178.0627) project were returned to the Developer for a second round of corrections on 6/14.
- The Design Drawings for The Station (1178.0628) were returned to the Developer for corrections on 6/15.
- The As-Built Plans for The Gates – Phase 3 (1178.0629) were received for review 6/15.

6.7 Construction Report

The following comments were presented to the Board by the Construction Engineer.

General Services

SCADA

- Coordination of SCADA System with Authority Staff and Applied Control Engineering, Inc. (ACE).
Working with ACE to complete the remainder of their punchlist, including documentation and licenses.
- Minor troubleshooting of SCADA issues within the facility.

ENR/AWT Upgrade Project

- The Water Quality Management Permit has been delivered to the PA DEP and we await review comments.
- The Pilot Testing for the Denitrification Filters has been underway since mid-May and useful data has been generated on each operating condition. Lowest Nitrate concentrations have been ~1.5 mg/l. RETTEW anticipates the conclusion of Pilot Testing by the end of June 2017 and reporting in July.
- Final design activities are underway on multiple facets of the project, primarily on upgrades to long-term equipment replacement and discipline engineering. Examples include replacement of Aeration Power Control Breakers, Aeration VFDs, College-Harris Pump Station VFDs, etc.
- Project is still on target for an advertisement for bids around October 1st.

Solar Project

- The design of the Solar Array has been completed and the project was let for bidding to approximately a dozen general solar contractors. Bids are due June 21st.
- The First Energy/West Penn Power Interconnection Application was approved by the PUC and final approvals by the Local Distribution Company Feasibility Group is underway. This is anticipated by the end of June 2017.
- The Battery Energy Storage System (BESS) agreements for the Wholesale Market were registered on May 15, 2017.
- Bids and all approvals have been received on the BESS

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.

CTWA Recommendation for Changes to Source Water Protection Agreement

Included in the agenda report was a memo from Adam Brumbaugh to College Township Council describing CTWA's reasoning for the recommended changes to the agreement. The draft amended and restated Source Water Protection Agreements was also included

7. Other Business

None

8. Adjournment

The meeting was adjourned at 5:25 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

B. A. Dwyer

Secretary/Assistant Secretary