

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – July 18, 2018

1. Call to Order

Mr. Lapinski, Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:00 p.m. Wednesday, July 18, 2018. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Daubert, Deitz, Derr, Guss, Lapinski, McShea and Nucciarone; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Art Brant, Plant Superintendent; Mark Harter, Collection System Superintendent; Jason Brown, Project Manager; Richard Campbell, Solicitor; Jeff Garrigan and Ben Burns, Consulting Engineers; Jason Wert, RETTEW; Jim May, CRPA; Deb Hoag, State College Borough; David Pribulka, Ferguson Township; David Richards and Jessica Chobody, First Citizens Community Bank; Gerry Hamilton, Deborah Benedict and Kathy Wheeler, Recording Secretary.

2. Reading of the Minutes

2.1 UAJA Regular Meeting – June 20, 2018

UAJA
Meeting Minutes
Approved

A motion was made by Mr. McShea, seconded by Mr. Derr, to amend the minutes of the UAJA meeting held on June 20, 2018 to reflect the time of adjournment as actual. The motion passed unanimously.

3. Public Comment

None.

4. Old Business

4.1 Investment Overview – First Citizens Community Bank

Over the past year the Authority has transitioned investment of our Trust reserve funds and our Construction funds to FCCB. We now have over 20 million dollars invested with First Citizens. Dave Richards and Jessica Chobody introduced themselves to the Board and presented an overview of the investments and explained the various instruments and rates associated with them.

4.2 Executive Session

Executive Session

A motion was made by Mr. McShea, seconded by Mr. Dietz, to adjourn to Executive Session at 4:10 p.m. The motion passed unanimously.

Executive Session

A motion was made by Mr. Nucciarone, seconded by Mr. Dietz, to adjourn the Executive Session at 4:33 p.m. The motion passed unanimously.

4.3 Greenbriar Demonstration Project

Final design is underway for the project. During final design, it has been discovered that a portion of the sewer line was too deep. The project has been redesigned to incorporate six grinder pump systems. An update on the design was presented at the meeting.

It is expected that the final design will be ready for the August meeting. Because the development is within the sewer service area, and is less than 250 EDUs, DEP permitting is simplified.

The Board should continue the discussion of setting a price for connection for homeowners that decide to connect during the project, and for those that opt to connect at a later time.

5. New Business

5.1 Kissinger Meadow NPDES Permit Second Draft

The Board reviewed the NPDES permit information that was included in the meeting packet.

5.2 Retrofit of Sewer TV Inspection and Recording System

UAJA's TV Inspection and Recording System used for sewer inspections and grout repairs is obsolete and needs replaced. Currently, recordings are made on low-quality VHS tapes. This system requires manual storage of records. Images transmitted during grout repairs are also low-quality and make repairs more difficult. Money was included in the 2018 budget (\$30,000) to replace the existing 17+ year old Telespector equipment. Upon investigation, we learned that Telespector has not modernized their equipment line and we could not get digital camera equipment from them. Through investigation of the Costars contracts, three potential vendors were identified and interviewed. Two vendors were responsive to our needs and quote packages from Cues and Golden Equipment are included in your packet. Staff finds the quotes nearly identical except consideration of the location of the company. Cues is in Orlando, Florida and Golden is in Mars, Pennsylvania near Pittsburgh. Since this retrofit is being made to our existing TV Rigg, the vehicle will have to be delivered to whichever vendor is chosen. The TV Rigg vehicle is also 17+ years old and has about 35,000 miles on it. Staff feels the distance to Cues is a factor in both the initial retrofit as well as any future service or maintenance that may occur.

**Retrofit of Sewer TV
Inspection and Recording
System
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Derr, to approve the quotation of \$104,212 from Golden Equipment Company, Inc. The motion passed unanimously.

5.3 Budget Amendment – TV Camera Replacement

\$30,000 was budgeted for camera replacement in the 2018 Budget. Per the discussion in Item 5.2, the cost of the replacement is \$104,212. This is a difference of \$74,212. There are adequate reserve funds in the Bond Redemption and Improvement Fund to cover the difference.

**Budget Amendment - TV
Camera Replacement
Approved**

A motion was made by Mr. McShea, seconded by Mr. Nucciarone, to approve amend the 2018 Budget to reflect the additional \$74,212. The motion passed unanimously.

5.4 Long Range Project List

The Collection Systems staff has been developing a list of projects that need to be completed to keep the collection system functioning properly, as well as the special projects related to beneficial reuse, system expansion, pump station elimination, and on-lot system removal. The current list of projects was included in the agenda materials. The time required to complete all projects using our existing manpower extends out more than 40 years. If only the sewer replacement projects are considered, the list still approaches 30 years. As the system ages, more projects will be discovered.

6.3 Chairman’s Report

Mr. Lapinski reported that College Township has invited he and Mr. Miller to their council meeting to review the odor control project.

6.4 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>Jan. 2018</u>	<u>Feb. 2018</u>	<u>Mar. 2018</u>	<u>Apr. 2018</u>	<u>May 2018</u>	<u>Jun. 2018</u>
Production	896 cu/yds.	960 cu/yds.	853 cu/yds.	886 cu/yds.	953 cu/yds.	860 cu/yds.
YTD. Production	896 cu/yds.	1,856 cu/yds.	2,709 cu/yds.	3,595 cu/yds.	4,548 cu/yds.	5,408 cu/yds.
Distribution	1,201 cu/yds.	136 cu/yds.	3,408 cu/yds.	66 cu/yds.	959 cu/yds.	939 cu/yds.
YTD. Distribution	1,201 cu/yds.	1,337 cu/yds.	4,745 cu/yds.	4,811 cu/yds.	5,770 cu/yds.	6,709 cu/yds.
Immediate Sale	2,405 cu/yds.	3,165 cu/yds.	1,110 cu/yds.	1,813 cu/yds.	1,829 cu/yds.	1,907 cu/yds.
Currently in Storage	3,301 cu/yds.	4,125 cu/yds.	1,963 cu/yds.	2,699 cu/yds.	2,782 cu/yds.	2,767 cu/yds.

SEPTAGE OPERATIONS

	<u>Jan. 2018</u>	<u>Feb. 2018</u>	<u>Mar. 2018</u>	<u>Apr. 2018</u>	<u>May 2018</u>	<u>Jun. 2018</u>
Res./Comm.	3,100 gals.	2,050 gals.	2,500 gals.	3,200 gals.	13,650 gals.	37,800 gals.
CH/Potter	2,927.34 lbs/solids	5,637.84 lbs/solids	5,533.95 lbs/solids	6,613.62 lbs/solids	6,624.46 lbs/solids	8,239.92 lbs/solids
Port Matilda	1,534.56 lbs/solids	2,768.88 lbs/solids	1,034.16 lbs/solids	2,568.72 lbs/solids	2,218.44 lbs/solids	1,467.84 lbs/solids
Huston Twp.	767.28 lbs/solids	650.52 lbs/solids	116.76 lbs/solids	383.64 lbs/solids	567.12 lbs/solids	567.12 lbs/solids
Total Flow	43,200 gals.	75,450 gals.	54,500 gals.	78,700 gals.	90,350 gals.	111,800 gals.

Mr. Brown informed the Board that there was increase in septage that was received due to the Bellefonte plant being upgraded. Due to the large amount of brush that Bellefonte Borough and Spring Township have, grinding will be done on their site and trucked to our location. Wayne Township Landfill is who will be doing the grinding.

6.5 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 with no exceptions to our NPDES permits for the month of June 2018. The 12-month rolling average flow for June was 4.24mgd with the average for the month being 3.98mgd. The average monthly **influent** flow was 5.25mgd. Treatment units on line are as follows: primary clarifiers #1, #3, #5 and #6; aeration basins #2 and #3; secondary clarifiers #1, #2, and #3; eight tertiary filters.

Below is the chart for Reuse Distribution and Temperature Data:

	June-18	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	31,000	198,000		
Centre Hills	4,658,000	8,466,000	June-18	June-18
Cintas	622,000	3,750,000	67.6	62.1
Red Line	358,000	2,555,000		
Uaja Wetland	5,414,000	29,381,000		
Wetland Vault	15,108,000	104,134,000		
Kissingers	1,481,000	8,734,000		
Stewarts	1000	5000		
TOTAL	27,673,000	157,223,000		

Plant Maintenance

- Replaced diaphragms on Primary Pumps #10 and replaced muffler.
- Rebuilt Knight Mixer #1 at Compost.
- Replaced bulbs and ballasts as needed in Outfall UV Bank #1.
- Unplugged #3 Main Station Pump.
- Replaced the radiator in the street sweeper at Compost.
- Unplugged polymer line for #1 Centrifuge at Dewatering.
- Cleaned RO Unit.
- New gate was installed but we are still working on a few bugs.
- Repair of air leaks has been completed.

Mr. Brant informed the Board the new plant upgrade project is underway. A quote to replace the belts at compost was received in the amount of \$23,000.

6.6 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:

- Mainline Televising – (116’ televised) – (2) manholes inspected.
- Casting Repairs – (21).
- Lateral Repairs – (4) – 2012, 1994, and 1976 Highland Drive / 1909 Norwood.
- New Laterals – (5) – 412, 418, 424, 430, and 518 Lions Hill Road.
- Continued control panel work at Harris Dr. pump station.
- Assisted Jason with brush grinding.

Lift Station Maintenance:

- Removed grease from wet well at Big Hollow station.
- Routine Maintenance.
- Cleaned (11) lift station wet wells.

NEXT MONTH PROJECTS:

Lateral repair at 116 Seymore Ave.
Continue lateral and casting repairs on Twp. paving projects.
Clean Big Hollow Wet Well.
Complete new control panel and pumps at Harris Dr. station.

Inspection: Final As-Builts Approved:
Mountain View Country Club
Aeropointe

Mainline Construction:

- a. Branch Road Bridge (Penn Dot) –Complete – Awaiting As-Builts.
- b. The Station – Complete – Re-viewing As-Builts.
- c. N. Atherton Street Project (Penn Dot) – (70%) Complete.
- d. Kaywood North – Started Construction – (40%) Complete.
- e. Helix Subdivision – Started Construction – (30%) Complete.
- f. Winfield Heights – Started Construction – (10%) Complete.

New Connections:

a.	Single-Family Residential	4	c.	Commercial	0
b.	Multi-Family Residential	0	d.	Non-Residential	0

TOTAL 4

PA One-Calls Responded to 6/1-30/18: 395

Mr. Harter informed the Board that the startup date for the Harris Road pump station is July 26, 2018.

6.7 Engineer’s Report

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

Retainer

- HRG continues to assist the Authority staff on an as needed basis.

Odor Control System Upgrades

- The project has been re-advertised for bids. Bids will be received on July 18, 2018 at 10:00 AM and the results will be presented at the Authority’s July meeting.
- A Minor Plan Application was submitted to College Township documenting the revisions. College Township has requested that a representative of the project be present at the July 19th meeting.
- Revised drawings were submitted to the Centre County Conservation District and to the Centre Region Code Agency for review.

Greenbriar Sanitary Sewer Design

- Field survey data is being collected and the sanitary sewer design is being completed.

Extension of Beneficial Reuse Water to Harris Township (1178.0637)

- Archeological and Environmental Surveys have been completed. The archeological report has been submitted to the PHMC.

- A Pre-Application meeting was held with the PA DEP to discuss Chapter 102 (Erosion and Sedimentation Control) and Chapter 105 (Dam Safety and Waterways) permitting requirements.
- Communications are ongoing with PennDOT to acquire a formal license to install the permanent facilities. An on-site meeting has been scheduled for July 13, 2018.

Developer Plan Reviews:

- Three (3) Developer Plan submissions have been active since the last report.
- The design plans for The Cottages by Toll Brothers were approved by the Board at the April, 2018 meeting; however, the Developer has submitted a revised design that reflects a relocation of the force main into the PennDOT ROW along Whitehall Road. The revised design has been reviewed and comments were provided to the Developer’s engineer.
- The design plans for Kaywood North Subdivision were approved by the Board at the January, 2018 meeting. A revised pump station design was received and following review was recommended to Staff for approval on May 16, 2018. The Developer has submitted additional force main air-valve calculations, which are under review.
- The design plans for Centre Care, Inc. were reviewed and returned to the Developer for correction on May 29, 2018. No response has been received as of July 11, 2018

Mr. Burns informed the Board that bids were received for the Odor Control Project. A summary was submitted for review by the Board.

6.8 Construction Report

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

General Services Items Completed for the Authority:

NPDES Permit

- RETTEW submitted the Final NPDES Permit Application on November 22, 2017. We await the review of the document by the PA Department of Environmental Protection {DEP}.

Miscellaneous Projects

- **Solar Fence/Main Gate** Lepley Electric has completed the main gate installation. A final corrective change order will be issued to the Fencing Contractor deducting this work once a final cost is received from Lepley Electric.
- **Aeration Blower Piping** Hickes has repaired all three 16-inch air lines to the treatment trains, just before the aeration piping enters the tanks. It appears that the aeration piping had previously settled in each of these locations, pulling apart the joints. Additional clean-up work inside the Administration Building has been completed. This work is complete and Hickes will submit their invoices for the work.

ENR/AWT Upgrade Project

Contract Number	Notice Proceed	Contract Time	Contract Times				Final Completion	Percent of	
			Substantial Completion Date	Days Used	Days Remaining	Time Remaining		Time Used	
2017-06	5/23/2018	365	5/23/2019	48	317	6/22/2019	87%	13%	
2017-07	5/23/2018	365	5/23/2019	48	317	6/22/2019	87%	13%	
2017-08	5/23/2018	365	5/23/2019	48	317	6/22/2019	87%	13%	

- Shop drawings are currently being processed and reviewed
- Job Conference No. 1 was held Wednesday, June 27th, minutes are attached.
- Contract UAJA 2017-06 has submitted application for payment no. 2 in the amount of \$182,511.00. RETTEW has reviewed the payment application and recommends payment in the amount of \$182,511.00 to HRI for Contract 2017-06.

Payment Requests to Date

Contract Number	Application for Payment #	Current Payment Due	Contract Price to Date incld/CO	Total Work Completed to Date	% Monetarily Complete	Balance of Contract Amount incld/retainage
2017-06	2	\$182,511.00	\$8,375,000.00	\$328,290.00	3.92%	\$8,046,710.00
2017-07		\$0.00	\$39,900.00	\$0.00	0.00%	\$39,900.00
2017-08		\$0.00	\$1,025,700.00	\$0.00	0.00%	\$1,025,700.00
		\$182,511.00	\$9,440,600.00	\$328,290.00	3.48%	\$9,112,310.00

Outfall Project

- RETTEW is preparing the Plans for the proposed Outfall Replacement Project, which will replace the existing 36-inch outfall pipe with a cascading open channel to provide post-aeration. We anticipate submitting applications to the DEP for a Water Quality Management Part II Permit and a GP-11 General Permit {replacement of water obstruction} this month.

Update on Battery Energy Storage System

- Switchgear is in production and the subcontractors have mobilized. First Energy/West Penn Power Has had their meter cabinet delayed and we’re awaiting delivery for wire/conduit to begin.

6.9 Executive Director’s Report

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

Kissinger Meadow NPDES Permit Second Draft

As discussed at the June Board meeting, UAJA has submitted comments on the second draft of the Gordon D. Kissinger Meadow NPDES Permit. A copy of the letter is included in the agenda materials. In addition, copies of the Trout Unlimited comment letter and the Pennsylvania Fish and Boat commission comment letter are also included.

It is hoped that at some point both State agencies will acknowledge that there are many benefits to the G.D. Kissinger Meadow project.

**7. Other Business
Executive Session**

Executive Session

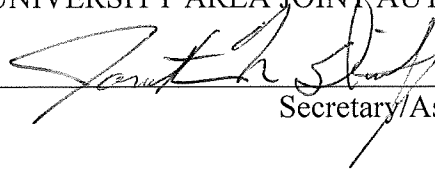
A motion was made by Mr. McShea, seconded by Mr. Derr, to adjourn to Executive Session at 5:31 p.m. The motion passed unanimously.

8. Adjournment

The meeting was adjourned at 5:50 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary