

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801

Regular Meeting – July 17, 2019

1. Call to Order

Mr. Lapinski, Chairman, called the meeting to order at 4:00 p.m., Wednesday, July 17, 2019. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Dempsey, Derr, Dietz, Guss, Lapinski, McShea and Nucciarone; Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Jason Brown, Project Manager; Richard Campbell and David Gaines, Solicitors; Ben Burns and Jeff Garrigan, HRG; Jason Wert and Michele Aukerman, RETTEW; Jim May and Corey Rilk, CRPA; Deb Hoag, State College Borough; Kevin Mullen, Chris Turley, Leslee Asbury, Christine Bannon and Kathy Wheeler, Recording Secretary.

Executive Session

**Executive Session
Approved**

A motion was made by Mr. Derr, seconded by Mr. McShea, to adjourn to an executive session at 4:00 p.m. The motion passed unanimously.

**Executive Session
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Dietz, to adjourn the executive session and return to the regular meeting at 4:08 p.m. The motion passed unanimously.

2. Reading of the Minutes

UAJA Regular Meeting – June 19, 2019.

**UAJA
Meeting Minutes
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Guss, to approve the minutes of the UAJA meeting held on June 19, 2019 as submitted. The motion passed unanimously.

3. Public Comment

Mr. Mullen stated that he has been billed incorrectly and overcharged for the past 20 years. Mr. Mullen would like to pay the same as the residents in the Borough of State College.

4. Old Business

4.1 More Than One Billing Account Per Service Lateral

UAJA has always had only one billing account per service lateral. There are owners of properties that would like to have more than one billing account per service lateral. Those properties can be divided into two classes:

1. Properties in condominium.
2. Properties that changed to fee simple in violation of UAJA's Standard Specifications.
(Specifically, duplexes in Springfield Commons on lots 1&2, 5&6, 7&8, 21&22 and 25&26)

Since the properties can be separated into distinct classes, there should be no problem with continuing to bill type 1 condominium units the way they are billed now (one bill per building). If desired, UAJA could create a special class of billing specifically for the type 2 units, which is limited to just the ten units in Springfield Commons. A separate policy could be created just for this type. This distinction was suggested by Tom Songer.

Staff would prefer to continue the policy as is, which would require a single entity be billed for each connection (each pair of lots receives one bill). Units that are in condominium as originally planned for this development are billed that way. Typically there is a condominium association or homeowners association which receives the bill, and then bills the individual unit owners.

UAJA has been very understanding with this developer and has provided a pathway through recorded maintenance agreements to formally waive the requirement for separate service laterals required by the UAJA Standard Specifications. It is reasonable to expect the developer to reciprocate with a single entity to receive the bills and then bill the individual owners. The developer has experience with this process in other developments, so it should not be a burden. It was made abundantly clear at the June meeting that UAJA does not intend for complete resolution of the Springfield Commons problem to be a financial burden to the property owners. This solution works for their benefit.

The Board asked for cost information concerning what it costs UAJA to add a second customer account. First, there would have been a \$150 connection fee if there had been an actual second service lateral. Second, our GIS system is set up as a one permit – one customer system. The primary key is the UAJA permit, not the parcel number. There is a cost to convert the GIS to allow for a many to one relationship. Similar structural changes in the past have cost \$1000 to \$3000 to implement. Assuming five accounts beyond the five that would be for each service lateral (There are ten in Springfield Commons that are fee simple and served by common laterals) and assuming the low end cost, it would be \$200 per split account. Finally, there is an ongoing billing cost which, while small, adds up over time. Postage, materials and staff cost \$0.45 per bill processed. To convert this to a one time fee, it is similar to an annuity. Applying the annuity formula at a discount rate of 0.75%, the amount is \$240. Thus the total is $\$150 + 200 + 240 = \590 to set up a second account per joint use lateral.

**Billing for Duplexes
Springfield Commons**

A motion was made by Mr. McShea, seconded by Mr. Nucciarone, to provide individual bills to the following duplex addresses in Springfield Commons; 117, 119, 122, 124, 130 & 132 Dearing Drive; 128 & 130 Sofie Court and 411 & 413 Homestead Lane. Additionally, there would be no additional costs to have more than one billing account per lateral for these 10 addresses and that this action is specific to these locations. The motion passed unanimously.

5. New Business

5.1 Final Design: Dreibelbis Street Hotel

Final design drawings for the Dreibelbis Street Hotel sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 51 EDUs. The review comments have been addressed.

**Final Design: Dreibelbis
Street Hotel
Approved**

A motion was made by Mr. McShea, seconded by Mr. Bridger, to approve the Final Design: Dreibelbis Street Hotel. The motion passed unanimously.

5.2 Final Design: Morningside At Gray's Woods Nursing Home

Final design drawings for the Morningside At Gray's Woods Nursing Home sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 21 EDUs. The review comments have been addressed.

**Final Design:
Morningside At Gray's
Woods Nursing Home
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Dietz, to approve the Final Design: Morningside At Gray's Woods Nursing Home. The motion passed unanimously.

5.3 Solar Project Phase II

UAJA staff has nearly concluded negotiations for the Phase II of the Solar Project with UAJA Solar Partners, LLC. The proposed project would construct a ~3.5MWdc Solar Array adjacent to Trout Road and the Phase I Solar, providing a combined capacity of 99% of what is allowable under PA law for Net Metering at the Authority (State Law limits to 5MWac). PA Solar Renewable Energy Credits (SREC) are increasing in value and the Investment Tax Credit for Solar begins to decline at the end of 2019, creating further incentive for UAJA Solar Partners, LLC to invest in Solar in PA.

The proposed agreement is identical in terms to the Phase I Solar, with the exception that SREC revenues are shared on a tiered arrangement between UAJA Solar Partners, LLC and UAJA to ensure that the Authority benefits from the enhanced market economics (in the Phase I Solar, 100% of the SREC revenue remained with PACE Energy, LLC). The minimum sharing percentage is 50% to the Authority and increases as the market for SREC's improves. Overall this will provide a greater financial benefit to the Authority than the Phase I Solar and will transition the Authority to approximately 65%-70% total plant energy consumption on renewable energy.

**Agreement for the Phase
II Solar Project
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Guss, to approve the agreement for the Phase II Solar Project. The motion passed unanimously.

5.4 Requisitions

Construction Fund #141	HRI ENR/AWT Pay App #14	\$223,356.40
Construction Fund #142	Bob Biter Electrical Enterprises ENR/AWT Pay App #10R	\$83,867.14
Construction Fund #143	Global Heavy Corporation Odor Control Pay App #9	\$1,143,182.50

Construction Fund #144	L/B Water Service Inc. Harris Reuse pipe/appurtenances	\$523,902.95
Construction Fund #145	Terre Hill Concrete Products Harris Reuse custom meter pit	\$12,130.00
Construction Fund #146	HRG Harris Reuse Eng.	\$4,627.00
Construction Fund #147	HRG Odor Control Eng.	\$16,494.03
Construction Fund #148	Rettew Associates Outfall Cascade Eng.	\$10,401.25
Construction Fund #149	Rettew Associates ENR/AWT SCADA	\$39,243.52
TOTAL CONSTRUCTION FUND		\$2,057,204.79

**Requisitions
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Nucciarone, to approve the Construction Fund #141-149. The motion passed unanimously.

BRIF #363	L/B Water Service Inc. Greenbriar pipe/appurtenances	\$58,397.70
BRIF #364	Wells Fargo Financial Serv. Mini-excavator payment 3/3	\$78,360.45
BRIF #365	HRG Shiloh P.S. Replacement Eng.	\$6,472.50
TOTAL BRIF		\$143,230.65

**Requisitions
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Guss, to approve the Bond Redemption and Improvement Fund #363-365. The motion passed unanimously.

6. Reports of Officers

6.1 SCBWA Liaison

None.

6.2 Financial Report

Mr. Smith reviewed with the Board the different cost centers of the YTD budget report for the period ending June 30, 2019.

6.3 Chairman’s Report

Mr. Lapinski stated that he would be reporting to the College Township Council at their meeting on July 18, 2019. Thanked staff and the board members for the research done for the Springfield Commons issue.

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. 2019</u>	<u>Feb. 2019</u>	<u>Mar. 2019</u>	<u>Apr. 2019</u>	<u>May 2019</u>	<u>Jun. 2019</u>
Production	790 cu/yds.	0 cu/yds.	0 cu/yds.	0 cu/yds.	0 cu/yds.	1,204 cu/yds.
YTD. Production	790 cu/yds.	790 cu/yds.	790 cu/yds.	790 cu/yds.	790 cu/yds.	1,994 cu/yds.
Distribution	4 cu/yds.	1 cu/yds.	694 cu/yds.	1,021 cu/yds.	1,555 cu/yds.	392 cu/yds.
YTD. Distribution	4 cu/yds.	5 cu/yds.	699 cu/yds.	1,720 cu/yds.	3,275 cu/yds.	3,667 cu/yds.
Immediate Sale	2,835 cu/yds.	3,624 cu/yds.	2,930 cu/yds.	1,881 cu/yds.	400 cu/yds.	311 cu/yds.
Currently in Storage	3,625 cu/yds.	3,624 cu/yds.	2,930 cu/yds.	1,881 cu/yds.	711 cu/yds.	1,215 cu/yds.

SEPTAGE OPERATIONS

	<u>Jan. 2019</u>	<u>Feb. 2019</u>	<u>Mar. 2019</u>	<u>Apr. 2019</u>	<u>May 2019</u>	<u>Jun. 2019</u>
Res./Comm.	4,900 gals.	10,150 gals.	18,000 gals.	31,400 gals.	49,500 gals.	42,850 gals.
CH/Potter	8,035.59 lbs/solids	6,772.08 lbs/solids	6,542.73 lbs/solids	6,267.51 lbs/solids	8,886.27 lbs/solids	2,331.03 lbs/solids
Port Matilda	1,217.64 lbs/solids	1,384.44 lbs/solids	1,718.04 lbs/solids	2,201.76 lbs/solids	2,018.28 lbs/solids	2,135.04 lbs/solids
Huston Twp.	500.40 lbs/solids	517.08 lbs/solids	417.00 lbs/solids	600.48 lbs/solids	700.56 lbs/solids	700.56 lbs/solids
Total Flow	87,900 gals.	79,150 gals.	90,000 gals.	102,900 gals.	132,000 gals.	81,850 gals.

Mr. Brown stated that there is a rush on the lab results for the first allotment of approx. 300 yards of compost. Hopefully this allotment will be available for sale before the end of July.

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 for the month of June 2019. The 12-month rolling average flow for June was 5.41mgd with the average for the month being 3.65mgd. The average monthly **influent** flow was 5.58mgd.

Treatment units on line are as follows: primary clarifiers #1, #5 and #6; aeration basins #1 and #3; secondary clarifiers #1, #2 and #4; four of eight tertiary filters are on line.

Below is the chart for Reuse Distribution and Temperature Data:

	Jun-19	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	28,000	156,000		
Centre Hills	3,995,000	7,957,000	Jun-19	Jun-19
Cintas	581,000	3,828,000	65.4	65.3
Red Line	400,000	2,661,000		
Uaja Wetland	4,660,000	23,081,000		
Wetland Vault	22,022,000	90,629,000		
Kissingers	1,022,310	7,827,310		
Stewarts/M.C.	25,100	74,100		
TOTAL	32,733,410	136,213,410		

Plant Maintenance

- Received training on plant electrical controls and wiring.
- Replaced diaphragm on #2 Primary Pump.
- Adjusted jack-bolts and greased WAS pump #1.
- Changed oil in Primary Compressor #2.
- Cleaned and greased Main Station pumps.
- Removed and ordered motors for #2 and #4 telescopic valves.
- Worked on Compost lighting.
- Replaced bearings on Bio-fan #4.
- Hauled chips for Compost.
- Changed oil and filter on Trummel Screen.
- Replaced #100 chain on compost knight mixer.
- Installed membranes into #2 RO unit.
- Replaced air control manifold on #1 MF.

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 – (7339 ft’ televised) – (44) manholes inspected.
- Manhole Repairs – (1).
- Casting Repairs – (5).
- Continued GPSing collection system.
- Started Greenbriar project (5%) complete.
- Installed flow meters on Westerly Parkway Interceptor.

Lift Station Maintenance:

- Cleaned (6) lift station wet wells.
- Repaired telemetry at Kaywood station.
- Replaced generator battery at Graysdale 2B station.
- Routine maintenance.
- Installed privacy fence at Piney Ridge station.

NEXT MONTH PROJECTS:

- Flushing and televising of mainlines in service area.
- Cleaning Wet Wells.
- Continue GIS work in service area.

Start Harris Reuse project.
 Repair castings for TWP. projects.

Inspection: Final As-Builts Approved: Lawnwood Avenue.

Mainline Construction:

- a. Centre Care – Started Construction (15%) Complete.
- b. The Cottages at State College – (45%) Complete.
- c. Grays Woods Section A Phase 6 – Awaiting As-Builts.
- d. Oak Ridge Ave. – Started Construction (10%) Complete.

New Connections:

a.	Single-Family Residential	5	c.	Commercial	0
b.	Multi-Family Residential	0	d.	Non-Residential	0
TOTAL					5

PA One-Calls Responded to 6/1-30/19: 420

Mr. Harter stated that the Greenbriar project is going well.

6.7 Engineer’s Report

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

Retainer

- Collaborating with Rettew and staff to monitor flow and temperature at the Gordon D. Kissinger Meadow.
- Developing revisions to the standard specifications for:
 - width of right-of-way near buildings and for deep excavations
 - utility crossing clearances

Odor Control System Upgrades

Contract Times								
Contract No.	Notice to Proceed	Contract Time	Substantial Completion Date	Days Used*	Days Remaining	Final Completion	Percent of Time Remaining	Time Used
17-03	9/4/2018	320	7/21/2019	316	4	9/4/2019	1%	99%
17-04	9/4/2018	320	7/21/2019	316	4	9/4/2019	1%	99%

*As of date of board meeting (7/17/2019).

- Shop drawings are being processed and reviewed.
- Work is progressing on the roof structure. The roof of Cell #1 has been completed and the concrete pour for the roof of Cell #2 is scheduled for Thursday (July 11th). The contractor has started to construct the duct supports and install utilities (water and drain pipe).
- Progress Meeting No. 10 was held on June 26, 2019. Minutes have been prepared.

- The Howard Company (Contract No. 17-04) provided correspondence dated July 1, 2019 stating that they have encountered certain restrictions in the completion of the work beyond their control and that they will diligently work to minimize delays.

Applications for Payment						
Contract No.	Application for Payment No.	Amount Due	Current Contract Price	Total Completed and Stored	% Monetary Complete	Balance to Finish
17-03	9	\$1,143,182.50	\$8,358,000.00	\$5,868,950.00	70.2	\$2,782,497.50
17-04	N/A	\$0.00	\$587,890.00	\$239,314.71	40.7	\$372,506.76

Greenbriar Sanitary Sewer Design

- HRG is assisting with construction phase services as needed.

Shiloh Road Pump Station Upgrades

- Station upgrade design drawings have been prepared and were reviewed with staff.
- It was discovered, based on available record data, that certain segments of the downstream gravity conveyance system may not have adequate capacity for proposed increased pumping rates. Field data has been collected and will be evaluated for available hydraulic capacity.
- Two copies of the permit drawing set will be sent to College Township to satisfy the requirements of its local ordinance in consideration of protection to the public water supply system.
- The Sewage Facilities Planning Module and the Water Quality Management Permit have been prepared and will be submitted after the evaluation of the gravity collection system is completed.

Extension of Beneficial Reuse Water to Harris Township (1178.0637)

- Easements are being coordinated with the Authority's solicitor.
- Comments from the ACOE have been addressed and authorization was issued on May 28, 2019.
- Comments were received from the PA DEP on the Joint Permit Application and the NDPES Permit Application. Those comments are being addressed.

Scott Road Pump Station and Bristol Interceptor – Act 537 Plan Special Study

- The Task Activity Report was approved by the PA DEP.
- A project meeting was held with the SCBWA and the CRPA. A gravity conveyance alternative is no longer being considered based on direction from the CRPA.
- An engineering services proposal to complete the study was prepared and submitted staff.

- Work is progressing to complete the special study.

Meeks Lane Pump Station – Act 537 Plan Special Study (1178.0663)

- The previously prepared Task Activity Report (TAR) has been updated and was submitted to staff for review. The TAR will be submitted to the PA DEP subsequent to input from the SCBWA, CRPA, and Patton Township.

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:

RO Membrane Replacement

- DOW is coordinating the final warranty for the second unit. The membranes are performing well and closely mirroring the performance of the first unit.

Pump Station SCADA Integration

- We are integrating seven existing and new collection system pump stations into the WWTP SCADA network for monitoring of the stations and improvements to the communication network.

Pump Station SCADA Integration

- In coordination with HRG and the Authority, RETTEW is constructing the required instrumentation improvements for the GDK Wetland monitoring that was added in the recent NPDES permit issuance. Consisting of flowmeter data recording and online temperature instrumentation, these data points will be relayed to the Plant for recordkeeping and monitoring.

ENR/AWT Upgrade Project

- Project has reached Substantial Completion and a walk-through inspection was completed June 25th for all three Contracts. RETTEW is coordinating the punchlist reviews with the Authority.
- Job Conference No. 13 was held Wednesday, June 26th, meeting minutes are attached.
- Contract UAJA 2017-06 (HRI) has submitted Application for Payment No. 14 in the amount of \$223,356.40. RETTEW has reviewed the payment application and recommends payment in the amount of \$223,356.40 to HRI for Contract UAJA 2017-06.
- Contract UAJA 2017-07 (Myco) no application has been submitted this month. Final application upon punchlist completion is expected for the August meeting.
- Contract UAJA 2017-08 (Biter) has submitted Application for Payment No. 10 in the amount of \$83,867.14. RETTEW has reviewed the payment application and recommends payment in the amount of \$83,867.14 to Bob Biter Electrical Enterprises for Contract UAJA 2017-08.

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	14	\$223,356.40	\$8,881,279.37	\$8,681,454.37	97.75%	\$633,897.72
2017-07	6	\$0.00	\$40,200.00	\$40,200.00	100.00%	\$2,010.00
2017-08	10	\$83,867.14	\$1,109,221.63	\$1,106,221.88	99.73%	\$58,310.84
		\$307,223.54	\$10,030,701.00	\$9,827,876.25	97.98%	\$694,218.56

- Overall the new facilities are working through commissioning and identifying errors in programming, etc. Steady progress is underway to optimize the new biological systems and increase uptime on the AWT facilities. Nitrate concentrations through the Denitrification filters are in the range of 5 mg/l to 6 mg/l and Carbon Dosage is steadily increasing to drive the nitrate concentrations below the goal of 3 mg/l.

Outfall Project

- Contract UAJA 2017-06 has begun work and is approximately 50% complete. The Contractor is awaiting the delivery of large diameter ductile iron piping and will complete the project approximately 2 weeks after it’s delivery. Completion is slated for August 2019.

Solar System (Phase I)

- The first two quarterly reports for 2019 are attached for interest. Overall the system is outperforming 2018 and providing additional energy.

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.

Gordon D. Kissinger Meadow Final NPDES Permit Appealed

The Gordon D. Kissinger Meadow NPDES Permit was issued as final by PADEP with an effective date of June 1, 2019. UAJA has appealed the permit primarily to regain the 3.0 Million Gallons Per Day (MGD) which was reduced to 2.1 MGD in the recently issued permit. DEP provided no explanation for the reduction.

The Pennsylvania Fish and Boat Commission (PFBC) appealed the permit Because they believe DEP should reclassify Slab Cabin Run to High Quality Cold Water (HQ/CW) based on the report produced by PFBC which shows that in the wet years they decided to sample, there were enough trout to meet the threshold for being classified Class A Wild Trout. As a reminder, PFBC did not sample in the low flow years where Slab Cabin Run was without any water in many stream reaches. It is clear PFBC has selected this high profile stream as their poster child to set a precedent for future State wide action. Unfortunately, UAJA and the Centre Region will be in the middle of this.

7. Other Business

7.1 Executive Session

**Executive Session
Approved**

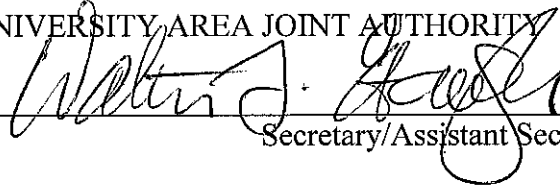
A motion was made by Mr. Dietz, seconded by Mr. Nucciarone, to adjourn to an executive session at 5:05 p.m. The motion passed unanimously.

8. Adjournment

The meeting was adjourned at 5:45 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary