

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

**Regular Meeting – June 19, 2019**

**1. Call to Order**

Mr. Dietz, Secretary, called the meeting to order at 4:00 p.m., Wednesday, June 19, 2019. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Daubert, Derr, Dietz, Guss, McShea and Nucciarone; Cory Miller, 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, Consulting Engineers; Jason Wert and Michele Aukerman, RETTEW; Jim May, CRPA; Deb Hoag, State College Borough; Kevin Mullen, Leslie Webb, Floyd Todd, Jo Merrell, Leslee Asbury, Tom Songer and Kathy Wheeler, Recording Secretary.

**2. Reading of the Minutes**

UAJA Regular Meeting – May 15, 2019.

<b>UAJA Meeting Minutes Approved</b>
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A motion was made by Mr. Daubert, seconded by Mr. McShea, to approve the minutes of the UAJA meeting held on May 15, 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 and would like to only pay the same as the residents in the Borough of State College.

**4. Old Business**

**4.1 Contract 17-03 (Biter) Change Order #3**

Increase in contract price of \$3,664.06 to relocate and rewire flow meter and pressure sensor to the new MF effluent line in the AWT. This is work associated with Work Change Directive #7. Also increases contract time by 30 days to coincide with the General contract.

<b>Contract 17-03 (Biter) Change Order #3 Approved</b>
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A motion was made by Mr. McShea, seconded by Mr. Derr, to approve Contract 17-03 (Biter) Change Order #3. The motion passed unanimously.

**4.2 Springfield Commons Waiver of Harris Township Ordinance 9-2.5**

At the June 10, 2019 Harris Township Supervisors meeting, the supervisors granted a waiver from Township Ordinance 9-2.5 for the following properties: 132 Dearing Drive, 130 Dearing Drive, 124 Dearing Drive, 122 Dearing Drive, 130 Sophie Court, 128 Sophie Court, 117 Dearing Drive and 119 Dearing Drive. These units are no longer in violation of the Harris Township Ordinance, but are currently in violation of UAJA policies and specifications.

The owner of 411 Homestead Lane did not sign the waiver request. These two units are still in violation of the Harris Township ordinance, and also UAJA policies and specifications.

A draft maintenance agreement was submitted by Tom Songer, and revised by David Gaines. The Final version recommended by staff is included in the agenda report. Each maintenance agreement would be recorded at the County.

**Waiver of the UAJA  
Specifications  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Derr, to grant a waiver of the UAJA specifications requiring a separate service lateral for each duplex unit contingent upon executing and recording the maintenance agreement. The motion passed unanimously.

**5. New Business**

**5.1 Proposed Change to UAJA Standard Specifications Policy**

Staff recommends that the policy be changed to state that all Duplex buildings shall be served with an individual four (4) inch lateral to each unit adhering to specifications of the Authority. Proposed changes to Section 1.13 (B) of the policy have been included in the packet.

Mr. Songer asked if duplexes can be served with a wye instead of two taps and the response was no as the proposed change is more uniform for everyone.

**Proposed Change to  
UAJA Standard  
Specifications Policy  
Approved**

A motion was made by Mr. Derr, seconded by Mr. McShea, to approve the Proposed Change to UAJA Specifications Policy effective June 20, 2019. The motion passed unanimously.

**5.2 Proposed Change to UAJA Standard Specifications Policy**

Staff recommends adding the following vendors to APPENDIX A – List of Acceptable Manufacturers;

**Section 03 40 00 – Precast Concrete**

Oldcastle Infrastructure  
M&W Precast & Construction Supply  
McCarroll Precast

**Section 33 39 13 – Sanitary Utility Sewerage Manholes, Frames, and Covers**

Oldcastle Infrastructure  
M&W Precast & Construction Supply  
McCarroll Precast

**Vendors  
Approved**

A motion was made by Mr. Guss, seconded by Mr. Derr, to approve the addition of vendors to the UAJA Standard Specifications Policy. The motion passed unanimously.

### 5.3 Resolution 19-3 – 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. To allow for this practice, a resolution should be passed to change the rate resolution.

There is a cost to UAJA of separating the accounts. There is administrative time, materials, and postage, as well as the cost to change the GIS to note the separate billing. These additional costs will occur every quarter for as long as the account exists, with the exception of the GIS update cost, which is a one time cost.

A resolution has been prepared to allow for separate billing, once a \$500 one time charge has been paid for each unit. Thus a duplex which is to be split to two separate bills would require two \$500 payments, one for each unit.

**Resolution 19-3  
Effective June 20, 2019**

A motion was made by Mr. Derr, seconded by Mr. McShea, to adopt Resolution 19-3 effective June 20, 2019.

Following a lengthy discussion this motion was withdrawn.

**Motion Tabled**

A motion was made by Mr. Nucciarone, seconded by Mr. Guss, to table the discussion and adoption of Resolution 19-3 effective June 20, 2019. Motion passed unanimously.

### 5.5 Requisitions

Construction Fund #131	Rettew ENR/AWT SCADA	\$5,415.00
Construction Fund #132	Rettew Associates, Inc. Outfall Cascade Engineering	\$3,961.39
Construction Fund #133	HRG Odor Control Engineering	\$10,927.01
Construction Fund #134	HRG Harris Reuse Engineering	\$4571.90
Construction Fund #135	Shamrock Appraisal Harris Reuse Appraisals	\$6,900.00
Construction Fund #136	HRI, Inc. ENR/AWT General	\$302,734.41
Construction Fund #137	Bob Biter Electrical Services ENR/AWT Electrical	\$42,703.49
Construction Fund #138	Myco Mechanical, Inc. ENR/AWT Mechanical	\$5,729.43

Construction Fund #139	Global Heavy Corporation Odor Control General	\$1,121,836.50
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Construction Fund #140	The Howard Company Odor Control Electrical	\$42,749.84
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<b>TOTAL CONSTRUCTION FUND</b>		<b>\$1,547,528.97</b>
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**Requisitions  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Guss, to approve the Construction Fund #131-140. The motion passed unanimously.

BRIF #360	HRG Shiloh PS Engineering	\$3,264.50
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BRIF #361	Site Specific Design Pumps/Appurtenances Greenbriar	\$438,468.00
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BRIF #362	Gannett Fleming, Inc. GIS	\$4,561.24
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<b>TOTAL BRIF</b>		<b>\$446,293.74</b>
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**Requisitions  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Nucciarone, to approve the Bond Redemption and Improvement Fund #360-362. The motion passed unanimously.

## 6. Reports of Officers

### 6.1 SCBWA Liaison

None.

### 6.2 Financial Report

Mr. Miller reviewed with the Board the different cost centers of the YTD budget report for the period ending May 31, 2019.

### 6.3 Chairman's Report

No report.

### 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>Dec. 2018</u>	<u>Jan. 2019</u>	<u>Feb. 2019</u>	<u>Mar. 2019</u>	<u>Apr. 2019</u>	<u>May 2019</u>
<b>Production</b>	815 cu/yds.	790 cu/yds.	0 cu/yds.	0 cu/yds.	0 cu/yds.	0 cu/yds.
<b>YTD. Production</b>	10,464 cu/yds.	790 cu/yds.	790 cu/yds.	790 cu/yds.	790 cu/yds.	790 cu/yds.
<b>Distribution</b>	438 cu/yds.	4 cu/yds.	1 cu/yds.	694 cu/yds.	1,021 cu/yds.	1,555 cu/yds.

<b>YTD. Distribution</b>	11,883 cu/yds.	4 cu/yds.	5 cu/yds.	699 cu/yds.	1,720 cu/yds.	3,275 cu/yds.
<b>Immediate Sale</b>	2,024 cu/yds.	2,835 cu/yds.	3,624 cu/yds.	2,930 cu/yds.	1,881 cu/yds.	400 cu/yds.
<b>Currently in Storage</b>	2,839 cu/yds.	3,625 cu/yds.	3,624 cu/yds.	2,930 cu/yds.	1,881 cu/yds.	711 cu/yds.

#### SEPTAGE OPERATIONS

	<u><b>Dec. 2018</b></u>	<u><b>Jan. 2019</b></u>	<u><b>Feb. 2019</b></u>	<u><b>Mar. 2019</b></u>	<u><b>Apr. 2019</b></u>	<u><b>May 2019</b></u>
<b>Res./Comm.</b>	16,050 gals.	4,900 gals.	10,150 gals.	18,000 gals.	31,400 gals.	49,500 gals.
<b>CH/Potter</b>	5,446.02 lbs/solids	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
<b>Port Matilda</b>	1,301.04 lbs/solids	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
<b>Huston Twp.</b>	500.40 lbs/solids	500.40 lbs/solids	517.08 lbs/solids	417.00 lbs/solids	600.48 lbs/solids	700.56 lbs/solids
<b>Total Flow</b>	75,050 gals.	87,900 gals.	79,150 gals.	90,000 gals.	102,900 gals.	132,000 gals.

Mr. Brown stated that brush grinding is going on now. Compost production is underway. Odor complaints have been coming in with 60 so far this month. Compost is being vented to the atmosphere at this time.

#### 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 May 2019. The 12-month rolling average flow for May was 5.43mgd with the average for the month being 4.83mgd. The average monthly **influent** flow was 6.22mgd. **Flow was put back in filters on May 9, 2019.**

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

Below is the chart for Reuse Distribution and Temperature Data:

	<b>Apr-19</b>	<b>YTD</b>	<b>Plant Effl. Temp</b>	<b>Wetland Effl. Temp.</b>
<b>Best Western</b>	28,000	128,000	<b>May-19</b> 61.5	<b>May-19</b> 59.2
<b>Centre Hills</b>	3,218,000	3,962,000		
<b>Cintas</b>	657,000	3,247,000		
<b>Red Line</b>	424,000	2,261,000		
<b>Uaja Wetland</b>	3,302,000	18,421,000		
<b>Wetland Vault</b>	10,455,000	68,607,000		
<b>Kissingers</b>	907,000	6,805,000		
<b>Stewarts/M.C.</b>	1,000	49,000		
<b>TOTAL</b>	18,992,000	103,480,000		

**Plant Maintenance**

- Repacked #1 RAS Pump.
- Received training and rebuilt several Landia Mixers.
- Replaced diaphragm on primary Pump #12 and replaced air hose on Primary Pump #3.
- Repaired skimmer arm on Primary Tank #1.
- Completed rebuild on Backwash Supply Pump #2.
- Rebuilt Alum Pumps.
- Replaced Carbon pump tubing.
- Repaired oil leak on Composter #1.
- Hauled chips for Compost.
- Shut down AWT for the contractors to complete work.
- Replaced membranes in Micro-Filter #1.
- Bio-fan #4 has been taken out of service due to bad bearings.

Mr. Brant stated a second RO is up and running and producing 2 million gallons.

**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 – (404.5 ft' televised) – (4) manholes inspected.  
Mainline Repairs – Completed the force main replacement project at Outer drive pump station (595ft).  
Casting Repairs – (21).  
Lateral Repairs – (4) Waddle Rd, Abby Place, W. Clearview, Seymore Ave.,  
Continued GPSing collection system.  
Started receiving materials for Greenbriar and Harris Reuse projects.

**Lift Station Maintenance:**

Cleaned (9) lift station wet wells.  
Repaired telemetry at Outer station.  
Repaired (1) E-One pump core.  
Routine maintenance.

**NEXT MONTH PROJECTS:**

Flushing and televising of mainlines in service area.  
Cleaning Wet Wells.  
Continue GIS work in service area.  
Start Greenbriar Project on June 13th.  
Repair castings for TWP. projects.  
Install a fence at the Piney Ridge station.

**Inspection:** Final As-Builts Approved: Helix at Toftrees

**Mainline Construction:**

- a. Lawnwood Subdivision Complete Awaiting As-Builts.
- b. The Cottages at State College – (35%) Complete.
- c. Grays Woods Section A Phase 6 – (95%) Complete.

**New Connections:**

a. Single-Family Residential	3	c. Commercial	0
b. Multi-Family Residential	10	d. Non-Residential	0

**TOTAL 13**

PA One-Calls Responded to 5/1-31/19: 484

Mr. Harter stated that the Greenbriar project has started with one lateral to a vacant lot installed and approximately 400 feet of pipe installed.

The Harris Township Reuse Waterline project is ready to start once permitting is complete.

## 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.  
Revised the policy section of the standard specifications to require individual laterals to each unit of a duplex.

### 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	288	32	9/4/2019	10%	90%
17-04	9/4/2018	320	7/21/2019	288	32	9/4/2019	10%	90%

\*As of date of board meeting (6/19/2019).

- Shop drawings are being processed and reviewed.
- Biofilter vessel walls are complete and work is progressing on the roof structure. The contractor has started to construct the duct supports and install utilities (water and drain pipe).
- Progress Meeting No. 9 was held on June 5, 2019. Minutes have been prepared. The next progress meeting will be on June 26<sup>th</sup>.

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	8	\$1,121,836.50	\$8,358,000.00	\$4,665,600	55.8	\$3,925,680.00
17-04	5	\$42,749.84	\$587,890.00	\$239,314.71	40.7	\$372,506.76

### **Greenbriar Sanitary Sewer Design**

- Ferguson Township Permits (Pave-Cut and Road Occupancy and Municipal Tree Work) are being coordinated by the UAJA staff.
- Easements and grinder pump agreements are being coordinated with the Authority's solicitor. Exhibits are being revised as requested.

### **Extension of Beneficial Reuse Water to Harris Township**

- Easements are being coordinated with the Authority's solicitor.
- Environmental permit applications have been submitted. Comments from the ACOE have been addressed and authorization was issued on May 28, 2019. Review by the PA DEP is still pending.

### **Shiloh Road Pump Station Upgrades**

- Station upgrade design drawings have been prepared and will be reviewed with staff.
- The Sewage Facilities Planning Module and the Water Quality Management Permit are being prepared.

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

- The Task Activity Report was submitted to the PA DEP.
- An engineering services proposal to complete the study is being prepared and will be reviewed with staff.

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

- The previously prepared (2016) Task Activity Report has been updated and was submitted to staff for review.
- An engineering services proposal to complete the study is being prepared and will be reviewed with staff.

### **Developer Plan Reviews:**

- The developer's engineer has made no submissions for the Pine Hall Traditional Town Development following the meeting with Staff on October 9, 2018 (1178.0652).
- The Developer's design drawings for the Morningside at Gray's Wood Nursing Home were reviewed and recommended to Staff for Board approval on June 10, 2019 (1178.0662).

## **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*

- We are preparing a plan of study for a forthcoming Phosphorus Study for the WWTP.

### *RO Membrane Replacement*

- Installation of the second set of membranes for the second RO unit is scheduled to begin Thursday, June 13<sup>th</sup>. These membranes will be identical to the membranes installed in RO Unit #1 this past fall. RO Unit #2 is scheduled to begin startup the week of June 17<sup>th</sup>.

### *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.

### ENR/AWT Upgrade Project

Contract Number	Notice Proceed	Contract Time	Substantial Completion Date	Contract Times		Final Completion	Percent of Time Remaining	Time Used
				Days Used	Days Remaining			
2017-06	5/23/2018	395	6/22/2019	392	3	7/22/2019	1%	99%
2017-07	5/23/2018	365	5/23/2019	392	-27	6/22/2019	-7%	107%
2017-08	5/23/2018	365	5/23/2019	392	-27	6/22/2019	-7%	107%

- Job Conference No. 12 was held Wednesday, May 29<sup>th</sup>, meeting minutes are attached.
- Contract UAJA 2017-06 (HRI) has submitted Application for Payment No. 13 in the amount of \$302,734.41. RETTEW has reviewed the payment application and recommends payment in the amount of \$302,734.41 to HRI for Contract UAJA 2017-06.
- Contract UAJA 2017-07 (Myco) has submitted Application for Payment No. 6 in the amount of \$5,729.43. RETTEW has reviewed the payment application and recommends payment in the amount of \$5,729.43 to Myco for Contract UAJA 2017-07.
- Contract UAJA 2017-08 (Biter) has submitted Application for Payment No. 9 in the amount of \$42,703.49. RETTEW has reviewed the payment application and recommends payment in the amount of \$42,703.49 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	13	\$302,734.41	\$8,881,279.37	\$8,446,342.37	95.10%	\$857,254.12
2017-07	6	\$5,729.43	\$40,200.00	\$40,200.00	100.00%	\$2,010.00

2017-08	9	\$42,703.49	\$1,109,221.63	\$1,074,492.94	96.87%	\$142,177.98
		\$351,167.33	\$10,030,701.00	\$9,561,035.31	95.32%	\$1,001,442.10

- Change Order No. 3 for Contract UAJA 2017-08 (Biter) has been compiled for extra work associated with WCD No. 7 and extension of Contract Time to match General Contract UAJA 2017-06. RETTEW recommends an increase of \$3,664.06 in the total contract amount and 30 Days in total contract time.

#### Outfall Project

- Contract UAJA 2017-06 has begun work.

### 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 Issued**

The Gordon D. Kissinger Meadow NPDES Permit was issued as final by PADEP with an effective date of June 1, 2019. UAJA received the permit from PADEP with less than a week to arrange for the required monitoring. Manual monitoring is being conducted on a daily basis while a permanent remote monitoring system is designed and installed.

The permit reduces the daily flow limit from 3.0 Million Gallons per Day (MGD) to 2.1 MGD, and splits the flow between the two stream augmentation sites. Thus, if one stream augmentation site cannot be used because of maintenance or some unforeseen condition, the daily flow would be reduced to only 1.05 MGD. This is an unacceptable requirement.

### 7. Other Business

#### 7.1 Executive Session

**Executive Session  
Approved**

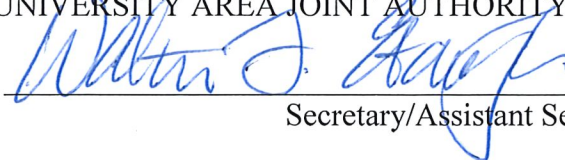
A motion was made by Mr. Nucciarone, seconded by Mr. McShea, to adjourn to an executive session at 5:30 p.m. The motion passed unanimously.

### 8. Adjournment

The meeting was adjourned at 6:07 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary