

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

**Regular Meeting – May 15, 2019**

**1. Call to Order**

Mr. Lapinski, Chairman, called the meeting at 4:00 p.m., Wednesday, May 15, 2019. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Daubert, Dempsey, Ebaugh, 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, Consulting Engineers; Jason Wert and Michele Aukerman, RETTEW; Brian McCall, Maher Duessel; Deb Hoag, State College Borough; Kevin Mullen and Kathy Wheeler, Recording Secretary.

**2. Reading of the Minutes**

UAJA Regular Meeting – April 17, 2019.

**UAJA**  
**Meeting Minutes**  
**Approved**

A motion was made by Mr. Dempsey, seconded by Mr. McShea, to approve the minutes of the UAJA meeting held on April 17, 2019 as submitted. The motion passed unanimously.

**3. Public Comment**

Mr. Mullen believes he has been billed incorrectly and overcharged for the past 20 years. He has filed a lawsuit.

**4. Old Business**

**4.1 2018 Audit**

Included in the meeting package was a Draft Financial Statements, Draft Communication to Those Charged with Governance letter and the Draft Management letter.

The Board Treasurer and Assistant Treasurer met with staff on Tuesday May 7<sup>th</sup> for a conference call with Maher Duessel to review and comment on these drafts. Brian McCall, a partner in Maher Duessel, attended the meeting and reviewed the 2018 Audit with the Board.

**2018 Audit Report**  
**Approved**

A motion was made by Mr. McShea, seconded by Mr. Daubert, to approve the 2018 Audit. The motion passed unanimously.

**4.2 Treatment Plant Outfall Cascade Presentation**

Ms. Aukerman presented to the Board the final design for the cascade outfall which has been completed. Permits have been obtained for construction. A change order was solicited to have HRI complete the outfall as part of the ongoing contract, as detailed in agenda item 5.4.

### 4.3 Solar Project Phase 2 Presentation

Mr. Wert reviewed with the Board recent regulatory changes in the marketplace, the value of Solar Renewable Energy Credits has increased from approximately \$5 per MWh when the first Phase of the Solar was completed to approximately \$40 per MWh today. This has made solar further attractive to Developers and PACE has inquired if the Authority would be willing to consider a 2<sup>nd</sup> Phase of Solar under slightly modified financial conditions. These conditions would include a provision for revenue sharing of the SRECs, providing a net lower PPA price to UAJA for the delivered solar.

Solar energy projects are consistent with the goals and objectives of the Centre Region Comprehensive Plan.

**Solar Project Phase 2  
Presentation  
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Nucciarone, to authorize Staff to begin the process of negotiating a Phase 2 Solar agreement with PACE. The motion passed unanimously.

## 5. New Business

### 5.1 Procurement of Pipe for Harris Reuse and Greenbriar

Staff utilized approved Co-Stars vendors to obtain pricing for the pipe and fittings needed for these projects. Co-Stars is a form of State contract that allows governmental agencies (like UAJA) to piggy-back on contracts that were already specified and bid by the State. Pricing on these contracts are usually better than an entity such as UAJA could obtain by bidding them ourselves. We compared pricing provided by two separate Co-Stars vendors, L/B Water and Ferguson Waterworks. L/B Water provided the best pricing under the Co-Stars contract for both projects.

Harris Reuse - \$523,902.95  
Greenbriar - \$58,397.70

**Procurement of Pipe for  
Harris Reuse and  
Greenbriar  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Daubert, to approve the purchase of the pipe and fittings for Harris Reuse and Greenbriar projects from L/B Water. The motion passed unanimously.

### 5.2 Procurement of Pump Stations, Pumps and Controls for Greenbriar Project

The Greenbriar project requires private pump stations for each connection. To maintain consistency of maintenance, spare parts stock and overall cost efficiency for UAJA across all our private pressure stations; UAJA uses one vendor and purchases these stations, pumps and controls from Site Specific Design, Inc. This is a legitimate exception to our bidding requirements. Based upon choices made by Greenbriar homeowners, the cost of materials to be purchased from Site Specific Design is \$438,468.

**Procurement of Pump  
Stations, Pumps and  
Controls for Greenbriar  
Project Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Bridger, to approve the purchase of Pump Stations, Pumps and Controls from Site Specific Design, Inc. for the Greenbriar project. The motion passed unanimously.

**5.3 Scott Road Pump Station and Bristol Interceptor Special Study**

Since the April Board meeting, staff has determined that the Scott Road Pump Station and a portion of the Bristol Interceptor in Ferguson Township are close to being overloaded. 2018 was a very wet year, which increased flows significantly. To solve the problem, a draft Task Activity Report (TAR) has been prepared by HRG as the first step to an Act 537 Special Study. The draft TAR will be reviewed by PADEP before work begins on the special study. Once the TAR is approved by PADEP, HRG will submit a detailed proposal for the work needed to complete the special study. The draft TAR was included in the meeting package.

**5.4 HRI Change Order #2**

This Change Order is a net amount resulting from multiple Work Change Directives, claims and RFI's. The largest deduct to the contract is for RO membranes. We removed the membranes from HRI's contract, so we could maintain consistency with our currently installed membranes on unit #1. The Change Order is an overall deduct in contract price of \$13,992.69.

**HRI Change Order #2  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Nucciarone, to approve HRI Change Order #2 for a deduct in contract price of \$13,992.69. The motion passed unanimously.

**5.5 HRI Change Order #3**

This Change Order is an increase of the contract price of \$479,650.00 and an increase of 30 days for substantial completion. The purpose of the Change Order is to add construction of the Outfall Cascade project to HRI's current contract. The cost of this Change Order is \$120,350.00 less than what was budgeted in the 2019 budget.

**HRI Change Order #3  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Daubert, to approve HRI Change Order ##3 for an increase of contract price of \$479,650.00 and an increase of 30 days for substantial completion. The motion passed unanimously.

**5.6 Myco Change Order #1**

This Change Order is an increase in the contract price of \$300.00 to compensate for the contractor replacing a leaking supply line that was not intended to be replaced.

**Myco Change Order #1  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Dempsey, to approve Myco Change Order #1 for an increase of contract price of \$300. The motion passed unanimously.

**5.7 Biter Change Order #2**

This Change Order is an increase of contract price of \$6,778.97 to compensate for installation of power and control wiring for carbon feed pumps and carbon feed line heat tracing.

**Biter Change Order #2  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Daubert, to approve Biter Change Order #2 for an increase of contract price of \$6,778.97. The motion passed unanimously.

**5.5 Requisitions**

Construction Fund #123	Global Heavy Corp. Odor Control Gen. Pay App #7	\$632,601.00
Construction Fund #124	HRI, Inc. ENR/AWT Gen. Pay App #12	\$551,315.03
Construction Fund #125	Biter Electrical Enterprises, Inc. ENR/AWT Elect. Pay App #8	\$114,242.48
Construction Fund #126	Myco Mechanical, Inc. ENR/AWT Mech. Pay App #5	\$4,089.42
Construction Fund #127	HRG Odor Control Engineering	\$10,995.78
Construction Fund #128	HRG Harris Reuse Engineering	\$1,622.00
Construction Fund #129	Rettew ENR/AWT Engineering	\$885.00
Construction Fund #130	Rettew ENR/AWT SCADA	\$9,742.22
<b>TOTAL CONSTRUCTION FUND</b>		<b>\$1,325,492.93</b>

**Requisitions  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Nucciarone, to approve the Construction Fund #123-130. The motion passed unanimously.

BRIF #350	Light Environmental RO Elements	\$213,680.50
BRIF #351	Lehigh Hanson Stone-compost rehab	\$2,190.74
BRIF #352	Schaedler Yesco Wire – compost rehab	\$560.30
BRIF #353	Best Line Equipment Mini rental – compost rehab	\$3,020.00
BRIF #354	Wayne Township Landfill Sludge Disposal	\$45,684.36
BRIF #355	Gannett Fleming, Inc. GIS	\$891.67

BRIF #356	HRG Shiloh Rd PS replacement	\$2,070.00
BRIF #357	L/B Water Services, Inc. Outer Drive pipe/materials	\$17,418.36
BRIF #358	First Citizens Community Bank Payment 1/3 Loan 6760	\$15,300.00
BRIF #359	First Citizens Community Bank Payment 1/3 Loan 6761	\$15,300.00

**TOTAL BRIF \$316,115.93**

**Requisitions  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Nucciarone, to approve the Bond Redemption and Improvement Fund #350-359. 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 April 30, 2019.

**6.3 Chairman's Report**

Mr. Lapinski reported that he and Mr. Ebaugh would be giving a report to College Township on June 6, 2019. Mr. Lapinski asked that the consulting and project engineers to accompany them to answer any questions that the Township Council might have about UAJA operations.

**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>Nov. 2018</u>	<u>Dec. 2018</u>	<u>Jan. 2019</u>	<u>Feb. 2019</u>	<u>Mar. 2019</u>	<u>Apr. 2019</u>
<b>Production</b>	851 cu/yds.	815 cu/yds.	790 cu/yds.	0 cu/yds.	0 cu/yds.	0 cu/yds.
<b>YTD. Production</b>	9,649 cu/yds.	10,464 cu/yds.	790 cu/yds.	790 cu/yds.	790 cu/yds.	790 cu/yds.
<b>Distribution</b>	517 cu/yds.	438 cu/yds.	4 cu/yds.	1 cu/yds.	694 cu/yds.	1,021 cu/yds.
<b>YTD. Distribution</b>	11,445 cu/yds.	11,883 cu/yds.	4 cu/yds.	5 cu/yds.	699 cu/yds.	1,720 cu/yds.
<b>Immediate Sale</b>	1,611 cu/yds.	2,024 cu/yds.	2,835 cu/yds.	3,624 cu/yds.	2,930 cu/yds.	1,881 cu/yds.
<b>Currently in Storage</b>	2,462 cu/yds.	2,839 cu/yds.	3,625 cu/yds.	3,624 cu/yds.	2,930 cu/yds.	1,881 cu/yds.

**SEPTAGE OPERATIONS**

	<u>Nov. 2018</u>	<u>Dec. 2018</u>	<u>Jan. 2019</u>	<u>Feb. 2019</u>	<u>Mar. 2019</u>	<u>Apr. 2019</u>
<b>Res./Comm.</b>	15,955 gals.	16,050 gals.	4,900 gals.	10,150 gals.	18,000 gals.	31,400 gals.
<b>CH/Potter</b>	5,475.21 lbs/solids	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
<b>Port Matilda</b>	1,601.28 lbs/solids	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
<b>Huston Twp.</b>	683.88 lbs/solids	500.40 lbs/solids	500.40 lbs/solids	517.08 lbs/solids	417.00 lbs/solids	600.48 lbs/solids
<b>Total Flow</b>	76,955 gals.	75,050 gals.	87,900 gals.	79,150 gals.	90,000 gals.	102,900 gals.

Mr. Brown stated compost is back in operation as of April 29<sup>th</sup>.

**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 exceptions to our TTS parameters due to the bypass for the month of April 2019. The 12-month rolling average flow for April was 5.37mgd with the average for the month being 5.73mgd. The average monthly **influent** flow was 6.61mgd.

Treatment units on line are as follows: primary clarifiers #1, #5 and #6; aeration basins #1 and #3; secondary clarifiers #1, #2, #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>	<b>31,000</b>	<b>100,000</b>		
<b>Centre Hills</b>	<b>744,000</b>	<b>744,000</b>	<b>Apr-19</b>	<b>Apr-19</b>
<b>Cintas</b>	<b>683,000</b>	<b>2,590,000</b>	<b>57.9</b>	<b>52.2</b>
<b>Red Line</b>	<b>334,000</b>	<b>1,837,000</b>		
<b>Uaja Wetland</b>	<b>1,834,000</b>	<b>15,119,000</b>		
<b>Wetland Vault</b>	<b>3,852,000</b>	<b>58,152,000</b>		
<b>Kissingers</b>	<b>810,000</b>	<b>5,898,000</b>		
<b>Stewarts/M.C.</b>	<b>3,000</b>	<b>48,000</b>		
<b>TOTAL</b>	<b>8,291,000</b>	<b>84,488,000</b>		

**Plant Maintenance**

- Completed rebuild of #1 Backwash Supply Pump.
- Unplugged #3 pump at the Main Station several times.
- Reinstalled weir brushes on the Secondary Clarifiers.
- Worked on switching from Aeration Basin #2 to Aeration Basin #3.
- Replaced torn Primary diaphragm on pump #9.

- Worked on Compost lighting.
- Rebuilding several Landia mixers.
- Compost went back into operation on 4/29/19.
- Cleaned underdrains, air manifolds and replaced river stone in Bays #1 and #2.
- Relocated chemical lines in AWT.
- Shutdown AWT for 9 days.
- Replaced bulbs in the UV system at the outfall.

### 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 – (1,831.8 ft' televised) – (43) manholes inspected.

Mainline Repairs – Completed W. Hillside Dr. mainline and lateral replacement project.

Manhole Repairs – (2).

Casting Repairs – (5).

Continued GPSing collection system.

Assisted plant personnel with work in compost building and brush grinding.

#### Lift Station Maintenance:

Cleaned (4) lift station wet wells.

Replaced on float at Graysdale 2A station.

Routine maintenance.

#### NEXT MONTH PROJECTS:

Flushing and televising of mainlines in service area.

Cleaning Wet Wells.

Continue GIS work in service area.

Replace force main at the Outer drive pump station.

Repair castings for TWP. Micro projects.

Install a fence at the Piney Ridge station.

Inspection: Final As-Builts Approved: None

Mainline Construction:

- a. Lawnwood Subdivision (20%) Complete.
- b. Helix Subdivision – Started Construction – Reviewing As-Builts.
- c. The Cottages at State College – (30%) Complete.
- d. Grays Woods Section A Phase 6 – (75%) Complete.

New Connections:

- |                              |   |                    |   |
|------------------------------|---|--------------------|---|
| a. Single-Family Residential | 5 | c. Commercial      | 1 |
| b. Multi-Family Residential  | 0 | d. Non-Residential | 0 |

**TOTAL** **6**

PA One-Calls Responded to 4/1-30/19: 452

### 6.7 Engineer's Report

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

**Retainer**

- The annual inspection for discharges of stormwater was coordinated with the Plant Superintendent. The report is being prepared.
- The previously prepared Task Activity Report for the Meeks Lane Pump Station Act 537 Plan Special Study was provided to the UAJA staff for review.

**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	253	67	9/4/2019	20.9%	79.1%
17-04	9/4/2018	320	7/21/2019	253	67	9/4/2019	20.9%	79.1%

\*As of date of board meeting (5/15/2019).

- Shop drawings are being processed and reviewed.
- Wall pours are ongoing and are projected to be completed in the upcoming weeks. Concrete slats (media support) will be set in Cell #1.
- Progress Meeting No. 8 was held on May 1, 2019. Minutes have been prepared.
- The following table summarizes applications for payment submitted for the Biological Odor Control Project. HRG has reviewed the applications for payment and recommends payment based on the work completed.

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	7	\$632,601.00	\$8,358,000.00	\$3,678,315.00	44.0	\$5,047,516.50
17-04	N/A	\$0.00	\$587,890.00	\$191,814.71	32.6	\$415,256.76

**Greenbriar Sanitary Sewer Design**

- Ferguson Township Permits (Pave-Cut and Road Occupancy and Municipal Tree Work) are being coordinated by the UAJA staff.
- The Water Quality Management Permit was issued.
- 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 are being addressed from the Army Corps of Engineers. The application is still pending review by the PA DEP; however, several informal review discussions have been held.



**Shiloh Road Pump Station Upgrades**

- The sewer service area has been delineated. EDU and flow projections have been developed.
- Site survey has been completed.
- Pump station upgrade drawings are being prepared.

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

- A Task Activity Report is being prepared.

**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 As-Built drawings for the HELIX were reviewed and recommended to Staff on May 6, 2019 (1178.0656).

**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*

- The second set of membranes for installation in the second RO unit have been delivered and will be installed later this month. These membranes will be identical to the membranes installed in RO Unit #1 this past fall.

*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.

*Compost Building Ceiling Repairs*

- FoamCoat completed the repairs to the Compost Building’s ceiling insulation. Approximately 13,000 square feet of the insulation was repaired.

**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	365	5/23/2019	357	8	6/22/2019	2%	98%
2017-07	5/23/2018	365	5/23/2019	357	8	6/22/2019	2%	98%
2017-08	5/23/2018	365	5/23/2019	357	8	6/22/2019	2%	98%

- Shop drawings and RFIs continue to be processed and reviewed.
- Job Conference No. 11 was held Wednesday, April 24<sup>th</sup>, meeting minutes are attached.
- Contract UAJA 2017-06 (HRI) has submitted Application for Payment No. 12 in the amount of \$551,315.03. RETTEW has reviewed the payment application and recommends payment in the amount of \$551,315.03 to HRI for Contract UAJA 2017-06.
- Contract UAJA 2017-07 (Myco) has submitted Application for Payment No. 5 in the amount of \$4,089.42. RETTEW has reviewed the payment application and recommends payment in the amount of \$4,089.42 to Myco for Contract UAJA 2017-07.
- Contract UAJA 2017-08 (Biter) has submitted Application for Payment No. 8 in the amount of \$114,242.48. RETTEW has reviewed the payment application and recommends payment in the amount of \$114,242.48 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	12	\$551,315.03	\$8,415,622.06	\$8,127,674.57	96.58%	\$694,331.22
2017-07	5	\$4,089.42	\$39,900.00	\$36,067.30	90.39%	\$7,439.43
2017-08	8	\$114,242.48	\$1,102,442.66	\$1,027,044.62	93.16%	\$178,102.50
		\$669,646.93	\$9,557,964.72	\$9,190,786.49	96.16%	\$879,873.15

- Change Order No. 2 for Contract UAJA 2017-06 (HRI) has been compiled based on multiple changes to the original contract; details provided in the Change Order No. 2 document. RETTEW recommends a decrease of \$13,992.69 in the total contract amount.
- Change Order No. 3 for Contract UAJA 2017-06 (HRI) has been compiled based upon the request for proposal for the Outfall Project. RETTEW recommends an increase of \$479,650.00 in the total contract amount and an increase of 30 calendar days to the Substantial Completion deadline. The outfall work will continue as a punchlist item but will be underway prior to the revised June Substantial Completion date.
- Change Order No. 1 for Contract UAJA 2017-07 (Myco) has been compiled for the repair of a leaking water line. RETTEW recommends an increase of \$300.00 in the total contract amount.
- Change Order No. 2 for Contract UAJA 2017-08 (Biter) has been compiled for minor wiring changes related to the Carbon Feed System. RETTEW recommends an increase of \$6,778.97 in the total contract amount.

Outfall Project

- Contract UAJA 2017-06 will be completing work as a Change Order to their current contract work. The total project cost from HRI was \$479,650.00 versus a budgetary line item of \$600,000.00. There will be some other minor costs and contingency, however, the project is well in line with the budgetary estimates and RETTEW recommended proceeding forward.

## 6.9 Executive Director's Report

Mr. Miller stated that comments have been submitted to DEP for the Kissinger Meadow permit. The Fish and Boat Commission has also submitted comments.

UAJA has not received the new NPDES permit for plant operations.

## 7. Other Business

### 7.1 Executive Session

**Executive Session  
Approved**

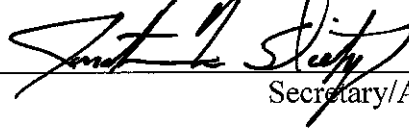
A motion was made by Mr. Nucciarone, seconded by Mr. Dempsey, to adjourn to an executive session at 5:07 p.m. The motion passed unanimously.

## 8. Adjournment

The meeting was adjourned at 5:30 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary