

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

**Regular Meeting – December 18, 2019**

**1. Call to Order**

Mr. Lapinski, Chairman, called the meeting to order at 4:09 p.m., Wednesday, December 18, 2019. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Dempsey, Derr, Dietz, Ebaugh, 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; David Gaines, Solicitors; Ben Burns and Jeff Garrigan, HRG; Jason Wert and Michele Aukerman, RETTEW; Corey Rilk, CRPA; Jere Northridge, College Township; Deb Hoag, State College Borough; Kevin Mullen; Tom Songer; Elmer Esh and Kathy Wheeler.

**2. Reading of the Minutes**

UAJA Regular Meeting – November 20, 2019

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

A motion was made by Mr. Guss, seconded by Mr. Dietz, to approve the minutes of the UAJA meeting held on November 18, 2019. 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 said that he has a single-family home and would like to receive a bill for one EDU. Mr. Mullen asked for clarification as to what he needs to do to make it a single-family home so that he will only receive a bill for one EDU. The Board stated that information has been provided to Mr. Mullen.

**4. Executive Session**

**Executive Session**  
**Approved**

A motion was made by Mr. McShea, seconded by Mr. Dietz, to adjourn to executive session at 4:15 p.m. The motion passed unanimously.

**Executive Session**  
**Approved**

A motion was made by Mr. Dietz, seconded by Mr. Derr, to adjourn the executive session and return to the regular meeting at 4:30 p.m. The motion passed unanimously.

**5. Old Business**

**5.1 Springfield Commons**

Sewer Permits within Springfield Commons have been denied by staff pending submittal and approval of as-built drawings reflecting the changes to the development resulting from the switch from condominium to fee simple for many of the duplex units. A solution was offered by UAJA staff to escrow funds to resolve the issue so that UAJA was assured that the as-built drawings would be completed in a timely fashion.

Mr. Songer reviewed several points that he and his attorney made to the Board from the discussion held at the last meeting.

The following motion was made after discussion was held on permits within the Springfield Commons subdivision:

**Springfield Commons  
Lot 15 Permit  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Guss, to approve the issuing of the sewer connection permit for Lot 15 in the Springfield Commons subdivision. The motion passed unanimously.

## 5.2 Potential Bond Refunding

Included in the meeting packet was a Refunding Presentation related to the 2015 Bond Issue prepared by our financial advisors, PFM. The refunding opportunity has become more attractive since last month's meeting. Estimated savings are now projected to be about \$215,000.

**Potential Bond  
Refunding Approved**

A motion was made by Mr. Dempsey, seconded by Mr. McShea, to appoint the firm of Public Financial Management ("PFM") as financial advisor and the firm of Mette, Evans & Woodside ("Mette") as bond counsel for the Authority in connection with the proposed financing for the current refunding of all or any portion of this Authority's outstanding Sewer Revenue Bonds – Series of 2015, by the issuance of a series of sewer revenue bonds. PFM and Mette are authorized to take necessary action to proceed with the process of issuance of the new series of sewer revenue bonds. Motion passed unanimously.

## 5.3 Phosphorus Study

Rettew and Staff met with Brian Dempsey on 12/12/19 to review the Plan of Study. Several comments led to a slight revision of the Plan. The revised plan was emailed to Board members separately on 12/16/19.

**Phosphorus Study  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Nucciarone, to approve the final proposed Plan of Study for submittal to PADEP. The motion passed unanimously.

## 5.4 Organic Design Capacity Tapping Fee for Non-residential Development

This item was first introduced in October. At that meeting Deborah Hoag, Borough Director of Public Works, indicated that the Borough had not completed their review of the proposed change to the tapping fee. The Borough should provide UAJA with a proposed schedule for adoption of the organic unit of design for non-residential development so that the UAJA adoption can be coordinated so both organizations have the same effective date. The Borough will provide an update. Ms. Hoag stated that the Borough has adopted a 1.3% increase of the 2019 non-residential hydraulic tapping fee for 2020 until the process is worked through and finalized. The Board directed that a letter be forwarded to Ms. Hoag and copy to Mr. Fountain, Borough Manager,

requesting a schedule as to when the fees will be formally adopted.

**6. New Business**

**6.1 Requisitions**

Construction Fund #182	S & C Operations Harris Reuse Truck Rental	\$1,997.50
Construction Fund #183	HRG Harris Reuse Engineering	\$5,899.38
Construction Fund #184	HRG Odor Control Engineering	\$8,736.00
Construction Fund #185	Miller Kistler & Campbell Harris Reuse ROW's	\$1,155.00
Construction Fund #186	The Howard Company Odor Control Elect Pay App 8	\$22,026.09
<b>Subtotal #182-186</b>		<b>\$39,813.88</b>

**Requisitions  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Derr, to approve the Construction Fund #182-186. The motion passed unanimously.

BRIF #392	Mid-State Paving Greenbriar paving	\$18,876.66
BRIF #393	Groff Tractor & Equipment Stone Box freight	\$1,500.00
BRIF #394	Gannett Fleming, Inc. GIS	\$994.56
<b>TOTAL BRIF</b>		<b>\$21,371.22</b>

**Requisitions  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Nucciarone, to approve the Bond Redemption and Improvement Fund #392-394. The motion passed unanimously.

Revenue Fund #165	Debt Service, Operation and Maintenance Expenses	\$1,000,000
<b>TOTAL REVENUE</b>		<b>\$1,000,000</b>

**Requisitions  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Ebaugh, to approve the Revenue Fund #165. The motion passed unanimously.

**7. Reports of Officers**

**7.1 SCBWA Liaison**

None.

**7.2 Financial Report**

Mr. Smith reviewed with the Board the different cost centers of the YTD budget report for the period ending November 30, 2019 and will give a detail report for 2019 at the next meeting.

**7.3 Chairman's Report**

No report.

**7.4 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>Jun. 2019</u>	<u>Jul. 2019</u>	<u>Aug. 2019</u>	<u>Sep. 2019</u>	<u>Oct. 2019</u>	<u>Nov. 2019</u>
<b>Production</b>	1,204 cu/yds.	955 cu/yds.	954 cu/yds.	940 cu/yds.	1,190 cu/yds.	988 cu/yds.
<b>YTD. Production</b>	1,994 cu/yds.	2,949 cu/yds.	3,903 cu/yds.	4,843 cu/yds.	6,033 cu/yds.	7,021 cu/yds.
<b>Distribution</b>	392 cu/yds.	0 cu/yds.	223 cu/yds.	1,292 cu/yds.	861 cu/yds.	1,823 cu/yds.
<b>YTD. Distribution</b>	3,667 cu/yds.	3,667 cu/yds.	3,890 cu/yds.	5,182 cu/yds.	6,043 cu/yds.	7,866 cu/yds.
<b>Immediate Sale</b>	311 cu/yds.	311 cu/yds.	2,239 cu/yds.	1,909 cu/yds.	2,108 cu/yds.	1,475 cu/yds.
<b>Currently in Storage</b>	1,215 cu/yds.	1,266 cu/yds.	3,193 cu/yds.	2,849 cu/yds.	3,298 cu/yds.	2,463 cu/yds.

**SEPTAGE OPERATIONS**

	<u>Jun. 2019</u>	<u>Jul. 2019</u>	<u>Aug. 2019</u>	<u>Sep. 2019</u>	<u>Oct. 2019</u>	<u>Nov. 2019</u>
<b>Res./Comm.</b>	42,850 gals.	30,150 gals.	23,050 gals.	20,730 gals.	19,200 gals.	17,150 gals.
<b>CH/Potter</b>	2,331.03 lbs/solids	5,600.47 lbs/solids	2,710.50 lbs/solids	3,361.02 lbs/solids	5,204.16 lbs/solids	4,553.64 lbs/solids
<b>Port Matilda</b>	2,135.04 lbs/solids	2,368.56 lbs/solids	914.40 lbs/solids	1,317.72 lbs/solids	166.80 lbs/solids	767.28 lbs/solids

<b>Huston Twp.</b>	700.56 lbs/solids	500.40 lbs/solids	667.20 lbs/solids	834.00 lbs/solids	366.96 lbs/solids	650.52 lbs/solids
<b>Total Flow</b>	81,850 gals.	101,150 gals.	52,050 gals.	60,230 gals.	61,700 gals.	63,650 gals.

**7.5 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 November 2019. The 12-month rolling average flow for November was 4.26mgd with the average for the month being 2.64mgd. The average monthly **influent** flow was 4.91mgd.

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; four of eight tertiary filters are on line.

Below is the chart for Reuse Distribution and Temperature Data:

	Nov-19	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	30,000	311,000		
Centre Hills	840,000	27,866,000	Nov-19	Nov-19
Cintas	604,000	6,963,000	63.6	61.5
Red Line	299,000	4,136,000		
Uaja Wetland	2,978,000	35,468,000		
Wetland Vault	50,834,000	243,682,000		
Kissingers	1,692,000	16,980,000		
Stewarts/M.C.	35,000	205,500		
<b>TOTAL</b>	<b>57,312,000</b>	<b>335,611,500</b>		

**Plant Maintenance**

- Rebuilt two aeration train mixers.
- Excavated aeration piping from Office Building to Aeration basins to locate leaks. Found all piping joints were leaking.
- Replaced brakes and rotors on old Ford crane truck.
- Swapped out aeration mixer AM509. Old one under rebuild.
- RAS pump #1 was removed for repair. Shaft was severely worn.
- Cleaned Septage Receiving holding tanks. First this has been done since it went online.
- Hauled chips as needed for Compost.
- Replaced arm on #2 Agitator limit switch.
- Repaired bay fan 14A.
- Went over MF’s 1,2 and 3. Replaced several stem seals and replaced two actuators.

**7.6 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:**

New Construction – Greenbriar – Installed (640 ft) of mainline – (300 ft) of lateral pipe – (1) Flush ports.  
Harris Reuse Project – Installed (480 ft) of 12” main, (2) fittings.  
Lateral Repairs – (2) 150 & 190 Treetop Dr. Pine Grove.

Installed (2) flow meters at Scott Rd. station.  
 Mainline Televising – (1228.5 ft) televised – (11) manholes inspected.

**Lift Station Maintenance:**

Cleaned (2) lift station wet wells.  
 Replaced battery backup on PLC at Big Hollow station.  
 Replaced voltage regulator on generator at Ghaner station.  
 Changed oil in all submersible pumps.  
 Serviced comminutors at Marywood, Scott Rd., and Piney Ridge stations.  
 Routine maintenance.

**NEXT MONTH PROJECTS:**

Continue Greenbriar project.  
 Continue Harris Reuse project.  
 Cleaning wet wells.  
 Flushing mains.

**Inspection:** Final As-Builts Approved: None.  
 Mainline Construction:

- a. The Cottages at State College – (90%) Complete.
- b. Village of PSU phase 9&10 – Awaiting As-Builts..
- c. Dreibelbis Street Hotel –Awaiting As-Builts..
- d. Morningside Nursing Home – Reviewing As-Builts.

New Connections:

a. Single-Family Residential	5	c. Commercial	4
b. Multi-Family Residential	0	d. Non-Residential	0

**TOTAL 9**

PA One-Calls Responded to 11/1-30/19: 242

**7.7 Engineer's Report**

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

**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	470	-150	9/4/2019	0%	100%
17-04	9/4/2018	320	7/21/2019	470	-150	9/4/2019	0%	100%

\*As of date of board meeting (12/18/2019).

- Start-up of the biofilter has been delayed due to the delivery and installation of essential fiberglass components. Based on current information, start-up is projected to occur in January.

- Notable work completed since last month includes:
  - Duct installation
  - HVAC work completed in the Dewatering Building
- Progress Meeting No. 15 was held on December 4, 2019. Minutes have been prepared.
- Applications for Payment submitted by the Contractors are summarized in the following table.

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	14	\$43,818.75	\$8,358,000.00	\$8,150,260.00	97.5	\$615,253.00
17-04	9	\$22,026.09	\$587,890.00	\$550,539.35	93.6	\$64,877.62

- The Contracts are 150 days beyond the date of Substantial Completion. Liquidated Damages in the amount of \$195,000.00 (\$1,300/day x 150 days) have accrued. The Owner is entitled to impose a set-off against payment to the Contractor for liquidated damages that have accrued. If a set-off is imposed, immediate notification must be provided stating the reason. Additional discussion will be provided at the meeting. Any imposed off-sets are not reflected in the aforementioned table.

#### **Greenbriar Sanitary Sewer Design**

- HRG is assisting with construction phase services as needed.

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

- The pump selection and generator sizing have been finalized. Drawings and permit applications are being updated accordingly.

#### **Extension of Beneficial Reuse Water to Harris Township (1178.0637)**

- Easements are being coordinated with the Authority's solicitor.
- HRG is providing alignment and appurtenance stakeout for the project as needed.
- HRG is working with regulatory agencies (PennDOT and PA DEP) to determine if any of the highway/stream crossings can be constructed using trenching methods to reduce the overall cost of installing the crossings.
- Harger Utility Contractors, Inc. (the low bidder for the Crossings Contract) provided several cost saving alternatives that are being evaluated. These alternatives include directional drilling as opposed to auger boring and a reduced scope of work (more work completed by the Authority's crew).

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

- A draft of the study is nearly complete.

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

- HRG is working to complete the study.

#### **Developer Plan Reviews:**

- The Developer's as-built drawings for the Morningside at Gray's Woods Nursing Home were reviewed and recommended to Staff on November 26, 2019.
- The Developer's as-built drawings for the Village at Penn State, Phases 9 and 10 were reviewed and recommended to Staff on December 11, 2019.

### **7.8 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:**

##### *Pump Station SCADA Integration*

- RETTEW is currently transitioning the pump stations from the old SCADA to the new SCADA network. Big Hollow pump station was recently completed and Kaywood is in process.

##### *WWTP NPDES Permit – Phosphorus Study*

- RETTEW has drafted a plan of study for the upcoming Phosphorus Study for Authority review and coordination prior to submission to the PA DEP. RETTEW met with the Authority's sub-committee to review the scope and finalize the plan for the proposed study. A revised plan of study for submission to the PA DEP will be presented at the December board meeting.

##### *Aeration System Leaks*

- Recent investigations have uncovered several significant leaks in the underground aeration piping between the Administration Building and the Aeration Tanks. We are preparing recommendations to address this air loss, which will lead to decreased operation of the aeration blowers.

##### *Nutrient Credit Offsets – Solar Installation*

- This has been submitted to PA DEP and we are awaiting comments.

##### ENR/AWT Upgrade Project (094612009)

- Both contractors, Contract UAJA 2017-06 (HRI) and Contract UAJA 2017-08 (Biter), are in the process of completing all punchlist items.

##### Solar System (Phase I/II)

- The Interconnection Application for the Phase II Solar Array is being prepared for submission to First Energy/West Penn Power. RETTEW has begun regulatory design packages (such as Zoning and Land Development).

### **7.9 Executive Director's Report**

Mr. Miller, Executive Director, had no additional information.

## **8. Other Business**

### **8.1 Executive Session**



**Executive Session  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Derr, to adjourn to an executive session at 5:03 p.m. The motion passed unanimously.

**Executive Session  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. McShea, to adjourn the executive session and return to the regular meeting at 6:05 p.m. The motion passed unanimously.

Construction Fund #187	Global Heavy Corporation	\$43,818.75
	Odor Control Gen Pay App 14	

**Requisitions  
Approved**

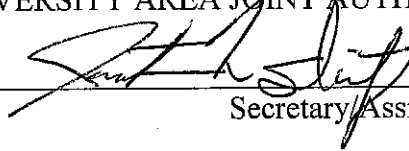
A motion was made by Mr. Dietz, seconded by Mr. McShea, to approve the Construction Fund #187 with the check being held until the materials arrive on site. The motion passed with Mr. Nucciarone voting no.

**9. Adjournment**

The meeting was adjourned at 6:10 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary