

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

**Regular Meeting – March 18, 2020**

**1. Call to Order**

Mr. Lapinski, Chairman, called the meeting to order at 4:00 p.m., Wednesday, March 18, 2020. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Dietz, Guss, Lapinski, S. Miller; Cory Miller, Executive Director; Jason Brown, Project Manager and David Gaines, Solicitor. Those in attendance via conference call were: Messrs. Auman, Dempsey, Derr, Ebaugh, Nucciarone and Ben Burns, HRG Consulting Engineers.

Mr. Steve Miller was appointed by Ferguson Township Supervisors to fill the vacant position through the end of 2020.

**2. Reading of the Minutes**

UAJA Regular Meeting – February 19, 2020

<b>UAJA</b> <b>Meeting Minutes</b> <b>Approved</b>
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A motion was made by Mr. Dempsey, seconded by Mr. Dietz, to approve the minutes of the UAJA meeting held on February 19, 2020. The motion passed unanimously.

**3. Public Comment**

None

**4. Old Business**

**4.1 Solar Phase 2 Project Update**

The second phase solar array project is close to being ready for installation. Some things have changed since the project began. The changes do not affect the project budget, but they are significant enough to warrant a short presentation.

RETTEW will present the update at the April meeting.

**4.2 Contract UAJA 2020-01 Sludge Storage Tank Modifications**

Bids were received on March 12, 2020 for Contract 2020-01, Sludge Storage Tank Modifications. Five bids were received. The low bidder is 4M Construction Services, LLC. The bid tabulation is below.

4 M Construction Services LLC	\$39,250
Hickes Associates, Inc.	\$48,432
Derstine Company, LLC	\$48,800
JP Environmental, LLC	\$57,500

Greenland Construction, Inc. \$65,050

**Contract UAJA 2020-01  
Sludge Storage Tank  
Modifications  
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Dietz, to award Contract 2020-01 to 4M Construction Services LLC in the amount of \$39,250. Motion passed unanimously.

#### 4.3 Long Term Electricity Contract

UAJA's long term Electricity contract expires in December 2020. EMEX conducted an online reverse auction at 11:00 AM on March 18, 2020. As a result of the auction the low bidder was Constellation Energy with a rate of 0.03450 per kilowatt hour for a 48-month contract.

**Long Term Electricity  
Contract  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Guss, to approve the Long-Term Electricity Contract with Constellation Energy at a rate of 0.03450 for 48 months. The motion passed unanimously.

#### 4.4 Contract 17-03 Global Heavy Corporation Change Proposal (Odor Control System)

A change proposal was submitted for Contract 17-03 (Global Heavy Construction). The change proposal includes extensions to five duct supports for exhaust ducts connecting the Compost Building to the Odor Control System. HRG will present an update at the April meeting.

Discuss and consideration of approval for the change proposal will be held at the April meeting.

#### 4.5 Contract 17-04 Hayden Power Group Change Order #1 (Odor Control System)

Hayden Power Group has submitted a deductive change order in the amount of \$2,691.00 with no change to the contract time. The change includes the elimination of repairs to the ceiling foam coat impacted by the installation of conduit hangers in the Compost Building. UAJA completed the repairs using a different contractor already working to repair other areas of the ceiling.

**Contract 17-04 Hayden  
Power Group Change  
Order #1  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Dempsey, to approve Contract 17-04 Hayden Power Group Change Order #1 (Odor Control System) for \$2,691.00. The motion passed unanimously.

#### 4.6 Beneficial Reuse Service Area Draft Task Activity Report Comments

The Centre Region Planning Agency has collected 19 pages of comments for the Beneficial Reuse Service Area draft TAR. The comments were included in the agenda report. Due to the magnitude of comments, staff did not complete the draft response in time for including in the agenda report. A draft response will be emailed next week.

**5. New Business**

**5.1 Requisitions**

Construction Fund #203	Rettew ENR/AWT SCADA	\$15,757.04
Construction Fund #204	HRG Harris Reuse Engineering	\$2,325.00
Construction Fund #205	Hayden Power Group Odor Control Elec. Pay App. #12	\$4,865.90
Construction Fund #206	Global Heavy Corporation Odor Control Gen. Pay App. #17	\$47,547.50
<b>TOTAL CONSTRUCTION FUND</b>		<b>\$70,495.44</b>

**Requisitions  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Dempsey, to approve the Construction Fund #203-206. The motion passed unanimously.

**Requisitions  
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Guss, to release Pay Applications 15 & 16 to Global Heavy Corporation for a total of \$119,609.75 originally approved with Construction Fund Requisition # 194 (1/15/2020) and Construction Fund Requisition #202 (2/19/2020). The motion passed unanimously.

BRIF #408	HRG Shiloh Pump Station Replacement	\$5,393.00
BRIF #409	HRG Scott Road/Bristol 537 Study	\$1,600.00
BRIF #410	HRG Meeks Lane 537 Study	\$2,415.00
BRIF #411	Rettew Sludge Storage Tank Mixer Proj.	\$6,848.50
BRIF #412	Rettew GDK Instrumentation Project	\$18,049.05
<b>TOTAL BRIF</b>		<b>\$34,305.55</b>

**Requisitions  
 Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Nucciarone, to approve the Bond Redemption and Improvement Fund #408-412. The motion passed unanimously.

**6. Reports of Officers**

**6.1 SCBWA Liaison**

None.

**6.2 Financial Report**

The different cost centers of the YTD budget report for the period ending February 29, 2020 was included in the meeting package for the Board’s review.

**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**

	Sep. 2019	Oct. 2019	Nov. 2019	Dec. 2019	Jan. 2020	Feb. 2020
<b>Production</b>	940 cu/yds.	1,190 cu/yds.	988 cu/yds.	1,188 cu/yds.	1,156 cu/yds.	983 cu/yds.
<b>YTD. Production</b>	4,843 cu/yds.	6,033 cu/yds.	7,021 cu/yds.	8,209 cu/yds.	1,156 cu/yds.	2,139 cu/yds.
<b>Distribution</b>	1,292 cu/yds.	861 cu/yds.	1,823 cu/yds.	328 cu/yds.	133 cu/yds.	1,391 cu/yds.
<b>YTD. Distribution</b>	5,182 cu/yds.	6,043 cu/yds.	7,866 cu/yds.	8,194 cu/yds.	133 cu/yds.	1,524 cu/yds.
<b>Immediate Sale</b>	1,909 cu/yds.	2,108 cu/yds.	1,475 cu/yds.	2,135 cu/yds.	3,177 cu/yds.	2,902 cu/yds.
<b>Currently in Storage</b>	2,849 cu/yds.	3,298 cu/yds.	2,463 cu/yds.	3,323 cu/yds.	4,333 cu/yds.	3,885 cu/yds.

**SEPTAGE OPERATIONS**

	Sep. 2019	Oct. 2019	Nov. 2019	Dec. 2019	Jan. 2020	Feb. 2020
<b>Res./Comm.</b>	20,730 gals.	19,200 gals.	17,150 gals.	4,050 gals.	7,800 gals.	4,550 gals.
<b>CH/Potter</b>	3,361.02 lbs/solids	5,204.16 lbs/solids	4,553.64 lbs/solids	4,374.33 lbs/solids	7,948.02 lbs/solids	5,066.55 lbs/solids
<b>Port Matilda</b>	1,317.72 lbs/solids	166.80 lbs/solids	767.28 lbs/solids	1,017.48 lbs/solids	1,551.24 lbs/solids	1,467.84 lbs/solids
<b>Huston Twp.</b>	834.00 lbs/solids	366.96 lbs/solids	650.52 lbs/solids	517.08 lbs/solids	483.72 lbs/solids	417.00 lbs/solids
<b>Total Flow</b>	60,230 gals.	61,700 gals.	63,650 gals.	51,550 gals.	87,800 gals.	62,550 gals.

### 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 February 2020. The 12-month rolling average flow for February was 3.69mgd with the average for the month being 3.70mgd. The average monthly **influent** flow was 5.77mgd.

Treatment units online 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 online.

Below is the chart for Reuse Distribution and Temperature Data:

	Feb-20	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	21,000	51,000		
Centre Hills	0	0	Feb-20	Feb-20
Cintas	601,000	1,100,000	58.3	56.8
Red Line	445,000	911,000		
Uaja Wetland	2,287,000	8,553,000		
Wetland Vault	46,511,000	85,300,000		
Kissingers	2,944,000	4,247,000		
Stewarts/M.C.	2,000	4,000		
<b>TOTAL</b>	<b>52,811,000</b>	<b>100,166,000</b>		

#### Plant Maintenance

- Unplugged Main Station pumps.
- Changed oil in Continental Blowers #2 and #4.
- Rebuilt several Dezurik valve bonnets in Primary.
- Removed gate off Knight Mixer. Will be rebuilt and re-installed.
- Worked on Polymer System PLC and programming issues.
- Rebuilt Centrifuge #1 with assistance from Alfa Laval. Re-installed and are currently running it.
- Hauled chips as needed.
- CIP #1 RO unit.
- Rebuilt and replaced leaking piping on #2 MF.
- Changed oil in Atlas Copco compressor in AWT. Still having issues with dump valve and reported that to Rettew for warranty.
- Found air solenoid stuck on valve 1674 on RO #1. Was turned in under warranty.
- Constructing walkways between MF’s to allow ease for the maintenance crew.

### 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:

New Construction – Greenbriar – Installed (1,350 ft) of mainline – (372 ft) of lateral pipe – (1) Air Release.

Harris Reuse Project – Installed (1,924 ft) of 12” main.

Mainline Televising – (4,566 ft) televised – (16) manholes inspected.  
Mainline Repair – (1) 215 Pike Street.  
Mainline Cleaning – (282ft) cleaned – (2) manholes inspected.  
New Laterals installed – (2) – 375 Trout Rd. / Kennard Rd.  
Equipment maintenance.

**LIFT STATION MAINTENANCE:**

Cleaned (12) lift station wet wells.  
Replaced control board on generator at Big Hollow station.  
Replaced block heater on generator at Ghaner station.  
Routine maintenance.

**NEXT MONTH PROJECTS:**

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

**INSPECTION:**

Final As-Built Approved: None

Mainline Construction:

- a. The Cottages at State College – Reviewing As-Built.

New Connections:

a.	Single-Family Residential	14	c.	Commercial	1
b.	Multi-Family Residential	0	d.	Non-Residential	0

**TOTAL            15**

PA One-Calls Responded to 2/1-29/20: 230

**6.7 Engineer’s Report**

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

**Consulting Engineer Services**

- The annual pump station capacity tables and sewer extension map were prepared for the Chapter 94 Report.
- HRG coordinated with the UAJA Project Manager to prepare and submit an application for the renewal of the Solid Waste Disposal and/or Processing Facility Permit.
- The annual inspection for Discharges of Stormwater Associated with Industrial Activities was completed and the forms were provided to the Plant Superintendent.
- A Consulting Engineer’s Certificate was prepared in connection with the issuance of Bonds (Nineteenth Supplemental Indenture, February 24, 2020).

### 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	561	-241	9/4/2019	0%	100%
17-04	9/4/2018	320	7/21/2019	561	-241	9/4/2019	0%	100%

\*As of date of board meeting (3/18/2020).

- Partial start-up of the biofilter occurred on February 20<sup>th</sup>. Air ventilated from the Compost Building is passing through the biofilter, which is in the acclimation stage. Complete start-up is scheduled for the week of March 30<sup>th</sup>.
- Progress Meeting No. 18 was held on March 11, 2020. Minutes have been prepared.
- Applications for Payment submitted by the Contractors are summarized in the following table.

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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	17	\$47,547.50	\$8,358,000.00	\$8,326,215.00	99.6	\$448,095.75
17-04	12	\$4,865.90	\$587,890.00	\$584,790.00	99.5	\$32,339.50

- The Contracts are 241 days beyond the date of Substantial Completion. Liquidated Damages in the amount of \$313,300.00 (\$1,300/day x 241 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.
- A Change Proposal was submitted by Contract No. 17-03: General Construction (Global Heavy Corporation). The Change Proposal includes extensions to five duct supports for exhaust ducts connecting the Compost Building to the Biofilter and will be presented to the Authority Board at the meeting.
- Changer Order No. 1 for Contract No. 17-04 to decrease the Contract Price by \$2,691.00 with no change to the Contract Times is recommended. The change includes the elimination of repairs to the ceiling foam coat impacted by the installation of conduit hangers in the Compost Building. The Authority completed the repairs using a different Contractor already working to repair other areas of the ceiling.

### Shiloh Road Pump Station Upgrades (1178.0632)

- A meeting has held with College Township to review the drawings prior to the submission of the planning module and permit applications.

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

- Alignment stake-out is being coordinated with the UAJA construction crew.
- Permit amendments have been submitted to PennDOT and to the PA DEP to change three of the four highway/stream crossings from conventional bore installation to open cut. The HOP supplement has been issued. HRG has been responding to comments submitted by the PA DEP.
- Contract drawings have been revised to account for two contracts. There will be one contract for the conventional bore and one contract for the three open cut crossings.

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

- HRG is evaluating and addressing comments provided by Authority staff.

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

- HRG is working to complete the study.

### **Beneficial Reuse Service Area Designation – Act 537 Plan Special Study (1178.0666)**

- The CPRA provided a list of questions and comments on the Draft Task Activity Report. HRG is coordinating with Authority staff to provide and review responses.

### **Developer Plan Reviews:**

- The Developer's as-built drawings for The Yards at Old State (The Cottages) by Toll Brothers were recommended to Staff on February 25, 2020 (1178.0678).
- The Developer's design drawings for Harner Farm Subdivision Lots 1-4, Sanitary Design were received on March 3, 2020. The plans have been reviewed and corrections have been provided to the Developer's Engineer. This project will not be submitted to the Board for consideration until the April meeting (1178.0679).

## **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:**

#### *Pump Station SCADA Integration*

- RETTEW is currently transitioning the pump stations from the old SCADA to the new SCADA network. Scenery Park, Outer Drive, Harris Drive, and Scott Road are in process.

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

- Comments have been received from the PA DEP on the proposed Plan of Study, the majority relating to the data collection effort. A meeting will be held with the PA DEP in mid-April to review their comments and any revisions to the Plan of Study.

#### *Sludge Storage Tank Mixer*

- Bids were received March 12<sup>th</sup>. See separate correspondence for the Bid Results and Recommendations.



- The submittal for the Mixer has been received and is under review.

#### *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*

- A meeting was held with the PA DEP on March 6<sup>th</sup> to review the Authority’s request for approval of nutrient offsets generated by reductions in nitrous oxide emissions through the transition to solar power, and the PA DEP’s subsequent denial. An update will be provided at the Board meeting.

#### ENR/AWT Upgrade Project

- The contractor for Contract UAJA 2017-06 (HRI) is in the process of completing all punchlist and warranty items.
- The contractor for Contract UAJA 2017-08 (Biter) has completed the work authorized under the final change order to repair the high voltage manhole. This contract is now complete.

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

- The Interconnection Application has been submitted to First Energy/West Penn Power. RETTEW continues regulatory design packages (such as zoning and land development).
- Geophysical investigation field work for Phase II was completed the week of March 9<sup>th</sup>. The attached figure depicts the initial results of an electromagnetic terrain conductivity survey, which helps to identify areas that may include shallow rock.

### **6.9 Executive Director’s Report**

Mr. Miller updated the Board on the current office procedures. The office is closed to the public but is continuing to conduct business by have the customer drop off documents to the foyer, staff collecting and processing the document then contact the person to collect it from the foyer. Field workers are continuing as normal. Crews are approximately 5 employees each. Other office staff are reporting to work as usual since we have isolated the office. The scheduling of union members is being switched around to accommodate childcare conflicts.

### **7. Other Business**

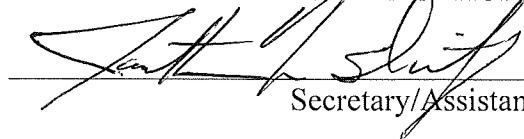
None

### **8. Adjournment**

The meeting was adjourned at 4:20 p.m. via motion. Mr. Dempsey moved, seconded by Mr. Dietz. Motion passed.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary