

**MINUTES**  
**UNIVERSITY AREA JOINT AUTHORITY**  
**1576 SPRING VALLEY ROAD**  
**STATE COLLEGE, PA 16801**  
**Regular Meeting – December 19, 2018**

**1. Call to Order**

Mr. Lapinski, Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:00 p.m. Wednesday, November 14, 2018. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Dempsey, Derr, 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; Jeff Garrigan and Ben Burns, Consulting Engineers; Jason Wert and Michele Aukerman, RETTEW; Jim May, CRPA; Deb Hoag, State College Borough; and Kathy Wheeler, Recording Secretary.

**2. Reading of the Minutes**

**2.1 UAJA Regular Meeting – November 14, 2018**

|                                                          |
|----------------------------------------------------------|
| <b>UAJA</b><br><b>Meeting Minutes</b><br><b>Approved</b> |
|----------------------------------------------------------|

A motion was made by Mr. Nucciarone, seconded by Mr. Dempsey, to approve the minutes of the UAJA meeting held on November 14, 2018. The motion passed unanimously.

**3. Public Comment**

None.

**4. Old Business**

None.

**5. New Business**

**5.1 Halfmoon Township Development of Regional Importance (DRI)**

UAJA received a request to provide comments concerning a Development of Regional Impact (DRI) for Eastern Halfmoon Township. The request is included in the agenda report. The proposed development would add 935 acres in Halfmoon Township to the UAJA sewer service area, which amounts to 2,200 EDUs at 65 percent of the land being available for actual EDUs.

The Centre Region Planning Agency has placed a deadline of January 4, 2019 on our reply so that it can be included in the DRI application for discussion by the Halfmoon Township Board of Supervisors on January 24, 2019. The Centre Region DRI process requires the host municipality to review and recommend the proposed change to the Regional Growth Boundary (RGB) and/or Sewer Service Area (SSA).

While it is possible for UAJA to speculate on the ability to serve a area, allocation of capacity and determining how service to a particular area might occur are determined through the Act 537 sewage Facilities Plan, which is the responsibility of the municipalities.

In May 2018, RETTEW completed the "Capacity Summation for the Spring Creek Pollution Control Facility", which was presented to the Board in June 2018. For reference, it is included in the printed package. The capacity summation indicates that there is influent hydraulic and organic capacity for this development. It also indicates that there is effluent hydraulic capacity assuming that the existing G.D. Kissinger Meadow stream augmentation is not adversely impacted by regulatory action. Even if the stream augmentation is adversely affected by

regulatory action, it is possible for the Centre region municipalities to significantly increase beneficial reuse by encouraging or mandating the use of beneficial reuse water in place of potable drinking water.

The biggest capacity question that cannot be answered is the nutrient capacity. As is pointed out in the capacity summation report, nutrient capacity is a mass limit, which cannot be increased by adding treatment at the plant. Nutrient capacity can only be increased through non-point source best management practices (BMPs). Nutrient capacity is also the responsibility of the municipalities to allocate through the Act 537 Plan. Currently, since it is not addressed in the plan, UAJA continues to allocate the capacity on a first come, first served basis.

Since it appears likely that Pennsylvania will not meet its Chesapeake Bay requirements, the Centre Region municipalities should plan for the reduced nutrient mass limits which would result from EPA applying the backstop limits in 2025 or sooner as described in the capacity summation report.

The property proposed for development is difficult to serve because of the configuration of the sewer service boundary. Most of the time, the Centre Region municipalities oppose sewer lines being located outside of the SSA. In this case, the best way to serve this area likely would result in sewers being located outside of the sewer service area. How the area is to be served is determined by the municipalities through the Act 537 planning process.

The area to be served is not within the municipalities currently served by UAJA. The municipalities which formed UAJA should consider what Halfmoon Township's relationship to UAJA should be.

In summary, UAJA speculates that service to this area is possible. However, the determination of answers to the concerns listed above would be determined through a full Act 537 Plan update, which is currently anticipated by CRPA to begin in 2020, with completion most likely in 2021.

The Board directed the Executive Director to send a letter responding to Jim May's request.

## 5.2 Final Design: Gray's Woods Planned Community- Phase 6, Section A

Final design drawings for the Gray's Woods Planned Community- Phase 6, Section A sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 43 EDUs of townhomes and single-family lots. The review comments have been addressed.

**Final Design: Gray's  
Woods Planned  
Community-Phase 6,  
Section A  
Approved**

A motion was made by Mr. Guss, seconded by Mr. Derr, to approve the Final Design: Gray's Woods Planned Community- Phase 6, Section A. Motion passed unanimously.

## 5.3 Contract 2017-06 Change Order #1 (HRI)

HRI has been instructed to add the following to the contract:

- Roof drainage system on the EQ Tank
- Guardrails and handrails on the EQ Tank
- Additional connection to each O3 Contact Tank

- Two (2) 6-inch butterfly valves in AWT process piping
- Three (3) 12-inch gate valves in UV Tank drain piping

**Contract 2017-06  
Change Order # 1  
(HRI)  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Derr, to approve Contract 2016-06 Change Order #1 (HRI) in the amount of \$40,622.06. The motion passed unanimously.

#### **5.4 Contract 2017-08 Change Order #1 (Biter)**

Biter Electrical has been instructed to make the following changes to the contract:

- Provide power and install equipment for proposed UV equipment in AWT
- Provide and install VFD drives for post aeration blowers
- Changes per RFI-4 response
- Install neutral feed to MCC13 per RFI-01
- Changes to Chem Feed Control Panel per RFI-16 response
- Add circuit breaker per RFI-14 response
- Remove RVSS from MCC1502 from project per RFI-12 response
- Provide and install materials and equipment for power and controls to MOV-1401
- Provide and install materials and equipment for disconnecting/reconnecting Air Scour Vent Actuator in Tertiary Building

**Contract 2017-06  
Change Order # 1  
(HRI)  
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Bridger, to approve Contract 2017-08 Change Order #1 (Biter) in the amount of \$76,742.66. The motion passed unanimously.

#### **5.5 Requisitions**

|                       |                                                     |              |
|-----------------------|-----------------------------------------------------|--------------|
| Construction Fund #87 | The Howard Company<br>Odor Control Elec. Pay App #2 | \$113,159.12 |
| Construction Fund #88 | Global Heavy Corp<br>Odor Control Gen. Pay App #2   | \$58,000.00  |
| Construction Fund #89 | HRI<br>ENR/AWT Gen. Pay App #7                      | \$414,891.23 |
| Construction Fund #90 | Biter Electrical<br>ENR/AWT Elec. Pay App #3        | \$26,782.74  |
| Construction Fund #91 | Rettew Associates<br>ENR/AWT SCADA                  | \$66,170.00  |
| Construction Fund #92 | HRG<br>Odor Control Engineering                     | \$7,195.00   |
| Construction Fund #93 | HRG<br>Harris Reuse Engineering                     | \$8,661.50   |

|                       |                                          |             |
|-----------------------|------------------------------------------|-------------|
| Construction Fund #94 | Rettew Associates<br>ENR/AWT Engineering | \$23,008.93 |
|-----------------------|------------------------------------------|-------------|

|                                |                     |
|--------------------------------|---------------------|
| <b>TOTAL CONSTRUCTION FUND</b> | <b>\$717,868.52</b> |
|--------------------------------|---------------------|

**Requisitions  
Approved**

A motion was made by Mr. Guss, seconded by Mr. Ebaugh, to approve the Construction Fund #79-86. The motion passed unanimously.

|           |                                                          |             |
|-----------|----------------------------------------------------------|-------------|
| BRIF #329 | HRG<br>Greenbriar Engineering                            | \$5,800.00  |
| BRIF #330 | Gannett Fleming Inc.<br>GIS                              | \$2,057.70  |
| BRIF #331 | Veronesi Building/Remodelers<br>Control Building Windows | \$10,680.00 |

|                   |                    |
|-------------------|--------------------|
| <b>TOTAL BRIF</b> | <b>\$18,537.70</b> |
|-------------------|--------------------|

**Requisitions  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Derr, to approve the Bond Redemption and Improvement Fund #329-331. The motion passed unanimously.

|                   |                                                     |             |
|-------------------|-----------------------------------------------------|-------------|
| Revenue Fund #160 | Debt Service, Operating and<br>Maintenance Expenses | \$1,000,000 |
|-------------------|-----------------------------------------------------|-------------|

|                           |                    |
|---------------------------|--------------------|
| <b>TOTAL REVENUE FUND</b> | <b>\$1,000,000</b> |
|---------------------------|--------------------|

**Requisitions  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Dempsey, to approve the Revenue Fund #160. 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 November 30, 2018.

**6.3 Chairman's Report**

Mr. Lapinski stated that he had been contacted by KCF Tech. Mr. Miller stated that he has met with them and they will be putting sensors on equipment in our system.

**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><b>Jun. 2018</b></u> | <u><b>Jul. 2018</b></u> | <u><b>Aug. 2018</b></u> | <u><b>Sep. 2018</b></u> | <u><b>Oct. 2018</b></u> | <u><b>Nov. 2018</b></u> |
|-----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Production</b>           | 860 cu/yds.             | 870 cu/yds.             | 875 cu/yds.             | 775 cu/yds.             | 870 cu/yds.             | 851 cu/yds.             |
| <b>YTD. Production</b>      | 5,408 cu/yds.           | 6,278 cu/yds.           | 7,153 cu/yds.           | 7,928 cu/yds.           | 8,798 cu/yds.           | 9,649 cu/yds.           |
| <b>Distribution</b>         | 939 cu/yds.             | 505 cu/yds.             | 968 cu/yds.             | 740 cu/yds.             | 2,006 cu/yds.           | 517 cu/yds.             |
| <b>YTD. Distribution</b>    | 6,709 cu/yds.           | 7,214 cu/yds.           | 8,182 cu/yds.           | 8,922 cu/yds.           | 10,928 cu/yds.          | 11,445 cu/yds.          |
| <b>Immediate Sale</b>       | 1,907 cu/yds.           | 2,309 cu/yds.           | 2,181 cu/yds.           | 2,318 cu/yds.           | 1,183 cu/yds.           | 1,611 cu/yds.           |
| <b>Currently in Storage</b> | 2,767 cu/yds.           | 3,179 cu/yds.           | 3,056 cu/yds.           | 3,093 cu/yds.           | 2,053 cu/yds.           | 2,462 cu/yds.           |

### SEPTAGE OPERATIONS

|                     | <u><b>Jun. 2018</b></u> | <u><b>Jul. 2018</b></u> | <u><b>Aug. 2018</b></u> | <u><b>Sep. 2018</b></u> | <u><b>Oct. 2018</b></u> | <u><b>Nov. 2018</b></u> |
|---------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Res./Comm.</b>   | 37,800 gals.            | 21,600 gals.            | 37,900 gals.            | 94,000 gals.            | 64,650 gals.            | 15,955 gals.            |
| <b>CH/Potter</b>    | 8,239.92<br>lbs/solids  | 4,119.96<br>lbs/solids  | 7,038.56<br>lbs/solids  | 1,680.51<br>lbs/solids  | 5,963.10<br>lbs/solids  | 5,475.21<br>lbs/solids  |
| <b>Port Matilda</b> | 1,467.84<br>lbs/solids  | 2,101.68<br>lbs/solids  | 1,134.24<br>lbs/solids  | 2,101.68<br>lbs/solids  | 1,267.68<br>lbs/solids  | 1,601.28<br>lbs/solids  |
| <b>Huston Twp.</b>  | 567.12<br>lbs/solids    | 533.76<br>lbs/solids    | 617.16<br>lbs/solids    | 316.92<br>lbs/solids    | 567.12<br>lbs/solids    | 683.88<br>lbs/solids    |
| <b>Total Flow</b>   | 111,800 gals.           | 78,100 gals.            | 96,900 gals.            | 127,000 gals.           | 121,650 gals.           | 76,955 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 to our NPDES permits for the month of November 2018. The 12-month rolling average flow for November was 5.04mgd with the average for the month being 5.63mgd. The average monthly **influent** flow was 6.60mgd. Treatment units on line are as follows: primary clarifiers #2, #5 and #6; aeration basins #2 and #3; secondary; clarifiers' #1, #2, and #3; eight tertiary filters.

Below is the chart for Reuse Distribution and Temperature Data:

|               | Nov-18     | YTD         | Plant Effl. Temp | Wetland Effl. Temp. |
|---------------|------------|-------------|------------------|---------------------|
| Best Western  | 19,000     | 321,000     |                  |                     |
| Centre Hills  | 480,000    | 22,294,000  | Nov-18           | Nov-18              |
| Cintas        | 635,000    | 6,986,000   | 61.0             | 57.6                |
| Red Line      | 277,000    | 3,843,000   |                  |                     |
| Uaja Wetland  | 4,145,000  | 53,604,000  |                  |                     |
| Wetland Vault | 13,123,000 | 177,771,000 |                  |                     |
| Kissingers    | 1,412,000  | 15,725,000  |                  |                     |
| Stewarts      | 1000       | 11,449      |                  |                     |
| TOTAL         | 18,630,000 | 280,555,449 |                  |                     |

### **Plant Maintenance**

- Replaced Headworks Screening spray nozzles.
- Changed oil in Primary air compressors.
- Plant and Main Station generators were serviced.
- Rebuilt Headworks Indeeco heater.
- Rebuilt several MAC boxes for the primary pumps.
- Replaced diaphragm on #9 Primary pump.
- Serviced Secondary clarifiers and replaced skimmer arm scrappers.
- Greased and tightened belts on Bio-fans at Compost.
- Replaced a paddle on #1 agitator in Compost.
- Worked on snow removal.
- Replaced #120 chain on Knight mixer.

### **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 – (2,052.7' televised) – (16) manholes inspected.  
Mainline Cleaning – (7,011 ft cleaned) – (40) manholes inspected.  
Casting Repairs – (2).  
Received training on Tv Rigg with Camera upgrade.  
Assisted with brush grinding.

#### **Lift Station Maintenance:**

Cleaned (3) lift station wet wells.  
Serviced all pump station generators.  
Routine maintenance.  
Sent a 100 series KSB pump from Big Hollow station out for repair.  
Replaced under current monitor at Ghaner station.  
Replaced pump impellers and valutes at Ghaner station.  
Repaired (1) E-One pump core.

#### **NEXT MONTH PROJECTS:**

Flushing and televising of mainlines in service area.  
Cleaning Wet Wells.  
Televis Big Hollow Interceptor.  
Equipment maintenance.

**Inspection:** Final As-Built Approved: None

**Mainline Construction:**

- a. N. Atherton Street Project (Penn Dot) – (95%) Complete.
- b. Kaywood North – Started Construction – (90%) Complete.
- c. Helix Subdivision – Started Construction – (85%) Complete.
- d. Winfield Heights – Complete awaiting as- built.
- e. Canterbury Crossing phase 4&5 – Complete awaiting as-built.

**New Connections:**

|    |                           |   |    |                 |   |
|----|---------------------------|---|----|-----------------|---|
| a. | Single-Family Residential | 2 | c. | Commercial      | 0 |
| b. | Multi-Family Residential  | 0 | d. | Non-Residential | 0 |

**TOTAL 2**

PA One-Calls Responded to: 11/1-30/18: 248

**6.7 Engineer's Report**

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

**Retainer**

- Attended the November meeting of Public Services & Environmental Committee to hear discussions regarding the CRPA Draft Scope of the Centre Region Act 537 Plan Update.
- Collaborated with the UAJA pursuant to maintenance activities in the Compost Building. Form 43 approval was granted from the PA DEP.

**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                   | 106        | 214            | 9/4/2019         | 67%                       | 33%       |
| 17-04          | 9/4/2018          | 320           | 7/21/2019                   | 106        | 214            | 9/4/2019         | 67%                       | 33%       |

\*As of date of board meeting.

| 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                    | 2                           | \$58,500.00  | \$8,358,000.00         | \$245,000.00               | 2.9                 | \$8,137,500.00    |
| 17-04                    | 2                           | \$123,210.00 | \$587,890.00           | \$144,071.32               | 24.5                | \$458,225.81      |

- Shop drawings are being processed and reviewed.
- Cast-in-place design was approved as corrected.
- Progress Meeting No. 3 was held on December 5, 2018. Minutes are attached.
- The existing biofilter was removed from service. Both contractors have mobilized and work is progressing.

### **Greenbriar Sanitary Sewer Design**

- The Sewage Facilities Application Mailer (request for exemption) and an Application for NPDES Permit for Stormwater Discharges Associated with Construction Activities were submitted.
- The Ferguson Township Pave-Cut and Road Occupancy Permit was issued with conditions.
- A Permit Application for Municipal Tree Work was submitted to Ferguson Township.
- The PA DEP has determined that a Water Quality Management Permit is required for the project. HRG is preparing the application package.
- Easements and grinder pump agreements are being coordinated with the Authority's solicitor.
- A detailed quantity take-off (material list) has been developed.

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

- Easement exhibits are being finalized for use by the Authority's solicitor.
- Environmental permit applications have been submitted. Comments issued for the NPDES Permit Application were addressed and a response was provided.
- Coordination with Mountain View is ongoing to acquire a letter of support for the riparian forest buffer plan.
- Coordination with Harris Township is ongoing regarding the removal of buffer trees along Spring Creek. Harris Township has requested a formal plan to replace all the trees that are removed.
- A detailed quantity take-off is being developed.

### **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).
- Revised design plans for Gray's Woods Planned Community Phase 6, Section A were reviewed and were recommended to Staff for Approval on November 30, 2018 (1178.0650).
- The As-Built Plans for Canterbury Crossing Phases IV-V, Lot 33 Phase 2 were returned to the Developer for additional corrections on December 11, 2018 (1178.0654).
- Shop drawings continue to be processed and reviewed for The Cottages by Toll Brothers (1178.0567).

## 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*

- RETTEW submitted the Final NPDES Permit Application on November 22, 2017. On Monday, December 17, 2018, the Authority received the draft NPDES Permit and attachments. RETTEW has begun our review of the materials and will provide comments for Authority consideration.

#### *RO Membrane Replacement*

- Startup and recommissioning was completed on November 7<sup>th</sup>. Operational data shows good performance to date. We are working with Light Environmental and Avista Technologies to finalize the warranty transfer and cleaning chemical requirements.

#### *Compost Building Ceiling Repairs*

- The Contractor, FoamCoat, is scheduled to begin repairs to the Compost Building's ceiling insulation starting in February 2019.

#### *Ozone Project*

- RETTEW has contacted the PA DEP in regard to the potential for installing an ozonation system at the plant outfall for primary disinfection. The use of ozonation is covered in the Domestic Wastewater Facilities Manual prepared by the PA DEP and Tom Randis commented that we would need to provide the limitations and disinfection properties of ozonation in the Water Quality Management Permit Application. Based upon these comments, RETTEW believes that the PA DEP would entertain and ultimately approve of a suitably designed ozonation system for primary disinfection at the Authority.
- RETTEW has been in contact with the oil and gas operator that owns the Ozone Disinfection System and they have contracted and hired the manufacturer Xylem (same as the system the Authority currently owns) to have the system reviewed in the field and documentation of any costs for refurbishment. Those results are expected in the next ten days.

### ENR/AWT Upgrade Project (094612009)

| Contract Times  |                |               |                             |           |                |                  |                           |           |
|-----------------|----------------|---------------|-----------------------------|-----------|----------------|------------------|---------------------------|-----------|
| Contract Number | Notice Proceed | Contract Time | Substantial Completion Date | Days Used | Days Remaining | Final Completion | Percent of Time Remaining | Time Used |
|                 |                |               |                             |           |                |                  |                           |           |

|         |           |     |           |     |     |           |     |     |
|---------|-----------|-----|-----------|-----|-----|-----------|-----|-----|
| 2017-06 | 5/23/2018 | 365 | 5/23/2019 | 210 | 155 | 6/22/2019 | 42% | 58% |
| 2017-07 | 5/23/2018 | 365 | 5/23/2019 | 210 | 155 | 6/22/2019 | 42% | 58% |
| 2017-08 | 5/23/2018 | 365 | 5/23/2019 | 210 | 155 | 6/22/2019 | 42% | 58% |

- Shop drawings and RFIs continue to be processed and reviewed.
- Job Conference No. 6 was held Wednesday, November 28<sup>th</sup>, meeting minutes are attached.
- Contract UAJA 2017-06 (HRI) has submitted Application for Payment No. 7 in the amount of \$414,891.23. RETTEW has reviewed the payment application and recommends payment in the amount of \$414,891.23 to HRI for Contract UAJA 2017-06.
- Contract UAJA 2017-07 (Myca) no application has been submitted for this month.
- Contract UAJA 2017-08 (Biter) has submitted Application for Payment No. 3 in the amount of \$26,782.74. RETTEW has reviewed the payment application and recommends payment in the amount of \$26,782.74 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         | 7                         | \$414,891.23        | \$8,375,000.00                  | \$2,387,507.77               | 28.51%                | \$5,811,351.78                             |
| 2017-07         |                           | \$0.00              | \$39,900.00                     | \$25,164.20                  | 63.07%                | \$17,252.22                                |
| 2017-08         | 3                         | \$26,782.74         | \$1,025,700.00                  | \$181,367.32                 | 17.68%                | \$835,686.68                               |
|                 |                           | \$441,673.97        | \$9,440,600.00                  | \$2,594,039.29               | 27.48%                | \$6,664,290.68                             |

- Change Order No. 1 for Contract UAJA 2017-06 (HRI) has been compiled based on multiple changes to the original contract; details provided in the Change Order No. 1 document. RETTEW recommends an increase of \$40,622.06 in the total contract amount.
- Change Order No. 1 for Contract UAJA 2017-08 (Biter) has been compiled based on multiple changes to the original contract; details provided in the Change Order No. 1 document. RETTEW recommends an increase of \$76,742.66 in the total contract amount.

Outfall Project (094612015)

- The GP-11 General Permit (replacement of water obstruction) was issued by the PA DEP on November 28<sup>th</sup> and we expect a decision on the Water Quality Management Part II Permit any day. Final plans and specifications have been completed and the Authority can begin soliciting pricing.

Update on Battery Energy Storage System

- All construction has been completed and the building occupancy permit for the project has been issued.
- Testing has begun on the system with limited input/output having occurred already. The system is cleared for full operational testing of 1.5 MW.
- Final test authorization is awaiting FERC review and approval and is expected to be received in the next 10-14 days.

## 6.9 Executive Director's Report

The following comments are as presented to the Board by Cory Miller, Executive Director.

### NPDES Permit

A “draft” NPDES plant permit has been received. We are in the process of comparing the current requirements to the new requirements.

### Greenbriar Update

Ferguson Township is requiring that the lateral locations be bored instead of utilizing the street occupancy and pave cutting the streets. The cost for boring is not included in the estimates and will add approximately \$400,000 to the cost if the boring is done. The Board asked that a letter be forwarded to the Greenbriar residents informing them of Ferguson Township's requirement to bore instead of open cutting the streets and that UAJA may not do the project since it will be so cost prohibited. Ferguson Township is to discuss this project at their meeting in January.

## 7. Other Business

**Executive Session  
Approved**

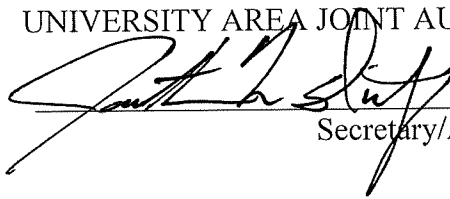
A motion was made by Mr. Ebaugh, seconded by Mr. Dempsey, to adjourn to executive session at 5:00 p.m. The motion passed unanimously.

## 8. Adjournment

The meeting was adjourned at 5:40 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary