

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

Regular Meeting – November 20, 2019

1. Call to Order

Mr. Dempsey, Vice-Chairman, called the meeting to order at 4:00 p.m., Wednesday, September 18, 2019. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Dempsey, Derr, Guss, 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 and Pam Adams, CRPA; Deb Hoag, State College Borough; Kevin Mullen; Tom Songer; Chris Turley; Joe Thomas; Jenn Brooks-Stahl and Jeff Stover.

2. Reading of the Minutes

UAJA Regular Meeting – October 16, 2019

UAJA
Meeting Minutes
Approved

A motion was made by Mr. McShea, seconded by Mr. Guss, to approve the minutes of the UAJA meeting held on October 16, 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 stated that he would like to have clarification as to what he needs to do to make it a single-family home and receive a bill for one EDU. Mr. Miller stated that he sent an email to Mr. Mullen that detailed what he would need to do. Mr. Mullen provided correspondence that he requested be provided to the Board.

Ms. Brooks-Stahl, Wyndham Garden Hotel, stated that they believed that the tapping fees for the hotel has been calculated egregiously and not based on their usage. Ms. Brooks-Stahl asked that the Board please consider any recourse for reduction of tapping fees and quarterly sewer bills. Mr. Dempsey stated that a wastewater authority is different from a water authority. Rates are generally based on capacity at sewer authorities. Information can be provided to the Board for consideration.

4. Old Business

4.1 Springfield Commons

Springfield Commons was originally designed with most duplex units in condominium. There were several exceptions, and the original design drawings showed one service lateral per unit for the individual duplex units that were fee simple. The units originally shown to be condominium were shown with a shared lateral on the design.

In 2014, GTW Associates, the developer, requested a change to fee simple for all of the duplex units which were condominiums. Harris Township approved this change. Four duplexes (8 units) were built with shared use laterals. This action was in conflict with both a Harris Township ordinance and UAJA standard specifications. UAJA approved these four shared use laterals by issuing sewer permits. UAJA staff was not aware of the change to fee simple.

There is one duplex (411/413 Homestead Lane) that was issued a sewer permit before the change to fee simple. This duplex was built with a shared lateral. After the construction was complete and the certificate of occupancy signed, the duplex was changed to fee simple along with the others. Again, UAJA was not aware of the change to fee simple.

To resolve this issue, UAJA suggested that GTW obtain a waiver from Harris Township, and have maintenance agreements recorded for each duplex unit with a shared lateral. Harris Township also requested the maintenance agreements be recorded.

Tom Songer of GTW Associates has obtained signatures from all current owners except one. The one signature not obtained is from the owner of 411 Homestead Lane, which is the duplex that was correctly issued a sewer permit for a condominium. The duplex unit was constructed as a condominium, and then changed by GTW Associates to fee simple. Tom Songer has argued that UAJA is at fault for the other four duplexes since UAJA issued the permits in error. For this duplex, UAJA had no involvement in the actions that led to the properties being out of compliance with UAJA specifications.

To allow future sewer permits to be approved for the remaining lots in Springfield Commons, UAJA has suggested that GTW Associates sign an agreement placing \$25,000 in escrow. GTW Associates has until the end of February 2020 to either obtain the waiver from Harris Township and record the maintenance agreement for 411 and 413 Homestead Lane or split the sewer service within the duplex and provide the required separate sewer laterals. If GTW Associates has not resolved the issue by the end of February 2020, UAJA will use the escrow to resolve the issue.

Because this matter could potentially result in legal action, the board decided to discuss this matter in an executive session. After the executive session, no action was taken.

5. New Business

5.1 Potential Bond Refunding

Included in the agenda report was a handout describing the conditions that might lead to refunding the Series 2015 Bonds. Currently, the potential savings are projected to be \$150,000 based on current market conditions. The bonds are callable in May 2020.

5.2 Phosphorus Study Presentation

UAJA currently has a very strict Phosphorus limit based on a study conducted in 1985 by a Penn State Graduate student. To meet the limit, UAJA spends \$160,000 per year adding alum. UAJA was successful in convincing PADEP that enough has changed in the Spring Creek watershed to warrant

a new study. RETTEW presented the proposed plan of study, which was included in the agenda report. The estimated cost of the study is \$290,000.

Messrs. Dempsey, Dietz and Ebaugh will serve on a sub-committee to review this plan. The date of the meeting will be determined later but prior to the December Board meeting.

5.3 Requisitions

| | | |
|--------------------------------|--|---------------------|
| Construction Fund #171 | The Howard Company Odor Control Electrical Pay App #8 | \$102,945.64 |
| Construction Fund #172 | Global Heavy Corporation Odor Control General Pay App #13 | \$414,675.00 |
| Construction Fund #173 | HRG Harris Reuse Engineering | \$1,950.17 |
| Construction Fund #174 | HRG Odor Control Engineering | \$7,790.79 |
| Construction Fund #175 | Rettew Associates, Inc. Outfall Cascade Engineering | \$700.00 |
| Construction Fund #176 | Rettew Associates, Inc. ENR/AWT SCADA | \$1,505.75 |
| Construction Fund #177 | Rettew Associates, Inc. ENR/AWT Engineering | \$3,689.80 |
| Construction Fund #178 | Miller Kistler & Campbell Harris Reuse ROW's | \$12,766.25 |
| Construction Fund #179 | Groff Tractor Harris Reuse Silt Sock/Fencing | \$11,357.04 |
| Construction Fund #180 | Scott's Landscaping Harris Reuse Silt Sock | \$1,000.00 |
| Construction Fund #181 | S & C Operations, Inc. Harris Reuse Rental Trucking | \$1,402.50 |
| TOTAL CONSTRUCTION FUND | | \$559,782.94 |

**Requisitions
Approved**

A motion was made by Mr. Derr, seconded by Mr. McShea, to approve the Construction Fund #171-181. The motion passed unanimously.

| | | |
|-----------|---|-------------|
| BRIF #380 | Gannett Fleming, Inc. GIS | \$1,954.82 |
| BRIF #381 | R. H. Marcon, Inc. Compost Roof Repairs | \$24,925.00 |
| BRIF #382 | Miller Kistler & Campbell Greenbriar ROW's | \$3,790.25 |
| BRIF #383 | Strouse Electric GDK electrical work | \$2,616.00 |
| BRIF #384 | Best Line Equipment Rental Doosan DX140 Aeration Project | \$4,900.00 |
| BRIF #385 | Morefield Communications, Inc. Router, software, services Wetland SCADA project | \$4,632.36 |
| BRIF #386 | L/B Water Services, Inc. Trace wire | \$500.00 |
| BRIF #387 | Rettew Associates, Inc. Sludge Tank Mixer Project | \$7,796.13 |
| BRIF #388 | Rettew Associates, Inc. Wetland SCADA project | \$66,158.18 |
| BRIF #389 | Rettew Associates, Inc. Aeration System Repair Project | \$21,349.32 |
| BRIF #390 | First Citizens Community Bank Payment 1/3 New Case Loader | \$60,000.00 |
| BRIF #391 | Precision Laser & Instrument Trimble GIS Unit | \$14,516.65 |

**Requisitions
Approved**

A motion was made by Mr. Guss, seconded by Mr. Derr, to approve the Bond Redemption and Improvement Fund #380-391. 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 October 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

| | May 2019 | Jun. 2019 | Jul. 2019 | Aug. 2019 | Sep. 2019 | Oct. 2019 |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Production | 0 cu/yds. | 1,204 cu/yds. | 955 cu/yds. | 954 cu/yds. | 940 cu/yds. | 1,190 cu/yds. |
| YTD. Production | 790 cu/yds. | 1,994 cu/yds. | 2,949 cu/yds. | 3,903 cu/yds. | 4,843 cu/yds. | 6,033 cu/yds. |
| Distribution | 1,555 cu/yds. | 392 cu/yds. | 0 cu/yds. | 223 cu/yds. | 1,292 cu/yds. | 861 cu/yds. |
| YTD. Distribution | 3,275 cu/yds. | 3,667 cu/yds. | 3,667 cu/yds. | 3,890 cu/yds. | 5,182 cu/yds. | 6,043 cu/yds. |
| Immediate Sale | 400 cu/yds. | 311 cu/yds. | 311 cu/yds. | 2,239 cu/yds. | 1,909 cu/yds. | 2,108 cu/yds. |
| Currently in Storage | 711 cu/yds. | 1,215 cu/yds. | 1,266 cu/yds. | 3,193 cu/yds. | 2,849 cu/yds. | 3,298 cu/yds. |

SEPTAGE OPERATIONS

| | <u>May 2019</u> | <u>Jun. 2019</u> | <u>Jul. 2019</u> | <u>Aug. 2019</u> | <u>Sep. 2019</u> | <u>Oct. 2019</u> |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Res./Comm. | 49,500 gals. | 42,850 gals. | 30,150 gals. | 23,050 gals. | 20,730 gals. | 19,200 gals. |
| CH/Potter | 8,886.27 lbs/solids | 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 |
| Port Matilda | 2,018.28 lbs/solids | 2,135.04 lbs/solids | 2,368.56 lbs/solids | 914.40 lbs/solids | 1,317.72 lbs/solids | 166.80 lbs/solids |
| Huston Twp. | 700.56 lbs/solids | 700.56 lbs/solids | 500.40 lbs/solids | 667.20 lbs/solids | 834.00 lbs/solids | 366.96 lbs/solids |
| Total Flow | 132,000 gals. | 81,850 gals. | 101,150 gals. | 52,050 gals. | 60,230 gals. | 61,700 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 one exception for the month of October 2019. The 12-month rolling average flow for October was 4.51mgd with the average for the month being 3.04mgd. The average monthly **influent** flow was 5.24mgd.

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:

| | Oct-19 | YTD | Plant Effl. Temp | Wetland Effl. Temp. |
|---------------|-------------------|--------------------|------------------|---------------------|
| Best Western | 25,000 | 281,000 | | |
| Centre Hills | 2,256,000 | 27,026,000 | Oct-19 | Oct-19 |
| Cintas | 672,000 | 6,359,000 | 69.8 | 68.2 |
| Red Line | 248,000 | 3,837,000 | | |
| Uaja Wetland | 2,691,000 | 32,490,000 | | |
| Wetland Vault | 40,410,000 | 192,848,000 | | |
| Kissingers | 1,636,000 | 15,288,000 | | |
| Stewarts/M.C. | 22,800 | 170,500 | | |
| TOTAL | 56,960,800 | 278,299,500 | | |

Plant Maintenance

- Serviced Main Station generator.
- Rebuilt and installed Primary Flight drive #2.
- Replaced level sensor on Outfall UV Train #2.
- Replaced Utility water pump #1.
- Swapped out Knight mixers at Compost. Parts are on order.
- Replaced limit switch on Compost Agitator #3 dolly.
- Hauled chips as needed for Compost.
- Serviced MAU's at Compost.
- Swapped out locking pin cylinder on Agitator #2.
- Installed blower room fan at Dewatering.
- Installed and plumbed in new Sodium Bisulfite tank in AWT.
- Rebuilt pilot valves for subsurface diffusers.

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 (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.

- 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

6.7 Engineer’s Report

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

Retainer

- A project progression exhibit is being prepared for the Beneficial Reuse Extension into Harris Township.

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 | 422 | - 122 | 9/4/2019 | 0% | 100% |
| 17-04 | 9/4/2018 | 320 | 7/21/2019 | 422 | -122 | 9/4/2019 | 0% | 100% |

*As of date of board meeting (9/18/2019).

- The latest progress schedule identifies partial start-up of the biofilter on November 26, 2019, treating ventilated air from the Compost Building. A coordination meeting will be held prior to start-up.
- Notable work completed since last month includes:
 - Exhaust fan intake ducts set
 - Exhaust fans are set on equipment pads
 - Variable frequency drives set and wire pulled
 - Duct support foundations and metal supports installed
 - Utility lines installed

- Progress Meeting No. 14 was held on November 6, 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 | 12 | \$149,596.50 | \$8,358,000.00 | \$7,667,635.00 | 91.7 | \$1,073,746.75 |
| 17-04 | 7 | \$85,120.07 | \$587,890.00 | \$442,267.39 | 75.2 | \$189,849.35 |

- The Contracts are 87 days beyond the date of Substantial Completion. Liquidated Damages in the amount of \$113,100.00 (\$1,300/day x 87 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 has 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.
- Bids for the Highway Crossings Contract will be opened on Monday, November 18th at 2 PM.

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

- A draft of the study is nearly complete. Revisions are being made following and internal review.

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

- The Task Activity Report (TAR) was approved by the PA DEP.
- HRG will begin to prepare the study.

Developer Plan Reviews:

- The Developer’s design drawings for the TP19-8-216 at Rhodes Lane, Design were reviewed and will be coordinated with the Collection System Superintendent.

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

- The Verizon private network has been tested with the Wetlands site. RETTEW has begun transitioning the pump stations from the old SCADA to the new SCADA network, starting with the Big Hollow pump station.

GDK Wetlands SCADA Integration

- This work has been completed with online flow and temperature monitoring and reporting back to the Plant SCADA system for recordkeeping and trending.

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 will provide a presentation on this effort at the November 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. We expect to receive final applications for payment from both for the December Board Meeting.

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).

6.9 Executive Director's Report

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

7 Other Business

7.1 Executive Session

**Executive Session
Approved**

A motion was made by Mr. Derr, seconded by Mr. McShea, to adjourn to an executive session at 5:15 p.m. The motion passed unanimously.

**Executive Session
Approved**

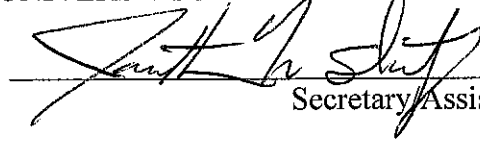
A motion was made by Mr. McShea, seconded by Mr. Ebaugh, to adjourn the executive session and return to the regular meeting at 6:05 p.m. The motion passed unanimously.

8 Adjournment

The meeting was adjourned at 6:15 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary