

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – April 18, 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, April 18, 2018. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Daubert, Dempsey, Derr, Ebaugh, Guss, Lapinski, McShea and Nucciarone; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Art Brant, Plant Superintendent; Mark Harter, Collection System Superintendent; Jason Brown, Project Manager; Andy Breon, Assistant Plant Superintendent; David Gaines, Solicitor; Jeff Garrigan and Ben Burns, Consulting Engineers; Jason Wert and Steve Siegfried, RETTEW; John Sepp, PennTerra Engineering; Bill Steudler, CRPC; Deb Hoag, State College Borough; Dave Swisher, Penn State; Laura Dininni, Ferguson Township; and Kathy Wheeler, Recording Secretary.

2. Executive Session

Executive Session

A motion was made by Mr. Dempsey, seconded by Mr. Nucciarone, to adjourn to an executive session at 4:01 p.m. The motion passed unanimously.

Executive Session

A motion was made by Mr. McShea, seconded by Mr. Dempsey, to adjourn the executive session and return to the regular meeting at 4:45 p.m. The motion passed unanimously.

3. Reading of the Minutes

3.1 UAJA Regular Meeting – March 21, 2018

**UAJA
Meeting Minutes
Approved**

A motion was made by Mr. McShea, seconded by Mr. Dempsey, to approve the minutes of the UAJA meeting held on March 21, 2018 as submitted. The motion passed unanimously.

4. Public Comment

None.

5. Old Business

5.1 ENR/AWT Project – Award Bids

Rettew has provided the final Bid Tabulation for this project and it is included in the packet. The recommended successful bidders are as follows:

| | | |
|------------------------------------|---|----------------|
| Contract UAJA 2017-06 (General) | HRI, Inc..... | \$8,370,000.00 |
| Contract UAJA 2017-07 (Mechanical) | Myco Mechanical Inc..... | \$ 39,900.00 |
| Contract UAJA 2017-08 (Electrical) | Bob Biter Electrical Enterprises Inc... | \$1,025,700.00 |

**ENT/AWT Project Bids
Approved**

A motion was made by Mr. McShea, seconded by Mr. Guss, to award the ENT/AWT Project bids to HRI Inc for the general bid, Myco Mechanical Inc. for the mechanical bid and Bob Biter Electrical Enterprises Inc for the electrical bid. The motion passed unanimously.

5.2 Odor Control Project – Review Bids

HRG has provided the Bid Tabulation for this project and it is included in the packet. The bids are significantly over the engineer's estimate. Staff recommended that all bids be rejected and that HRG perform value engineering on the design and rebid the project. HRG will complete these services for a lump sum fee of \$42,750.

**Odor Control
Project Re-bid
Approved**

A motion was made by Mr. Ebaugh, seconded by Mr. Nucciarone, to reject the bids received due to being approximately \$3 million over anticipated Budget for the project. The engineers are to perform value engineering and the design and rebid the project. The motion passed unanimously.

6. New Business

6.1 Final Design: Dreibelbis Street Hotel

Final design drawings for the Dreibelbis Street Hotel sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 51 EDUs. The review comments have been addressed.

**Final Design: Dreibelbis
Street Hotel**

A motion was made by Mr. McShea, seconded by Mr. Dempsey, to approve the Final Design: Dreibelbis Street Hotel. The motion passed unanimously.

6.2 Final Design: The Cottages at State College

Final design drawings for The Cottages at State College sewer extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 268 EDUs. The review comments have been addressed.

A meeting was held April 12th with the developer and representatives from Ferguson Township, State College Borough, State College Borough Water Authority (SCBWA), and UAJA. Routing the force main to the Borough sewer would require a capacity study of the Borough sewer system. The Ferguson Township manager indicated that the development should not be forced to connect to the collection system without a capacity analysis being done by the Borough and without their consent to accept sewage from a Ferguson Township development. The SCBWA acting manager indicated that he thought the SCBWA board would prefer restrained joint ductile iron pipe be used since the force main, regardless of route, would be in the zone 2 wellhead protection area.

**Final Design:
Lawnwood Avenue
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Derr, to approve the Final Design: The Cottages at State College with the condition that the force main pipe shall be restrained joint ductile iron pipe. The motion passed unanimously.

6.3 Draft Changes to Sewer Connection Policy

As a result of the interesting situation created by Toll Brothers project, staff has prepared a draft to the Sewer Connection Policy to ensure the best possible routes and locations are selected by developers for sewers, pump stations and force mains within their projects. The draft is included in the agenda materials. As was done the last time UAJA revised policies and specifications, staff will ask for comments from developers and others, in particular, the public water suppliers.

6.4 Requisitions

| | | |
|-----------|---|-------------|
| BRIF #311 | Gannett Fleming GeoDecisions – GIS | \$10,288.50 |
| BRIF #312 | Central PA Dock & Door Contract 2017-05 Final Payment | \$44,136.00 |
| BRIF #313 | Best Line Equipment 2018 Backhoe Trailer | \$20,483.95 |

Requisitions Approved

A motion was made by Mr. Nucciarone, seconded by Mr. Bridger, to approve the BRIF Requisitions #311 -313. The motion passed unanimously.

| | | |
|-----------------------|-------------------------------|------------|
| Construction Fund #48 | HRG Odor Control Bid Phase | \$1,900.00 |
| Construction Fund #49 | Rettew AWT/ENR Bid Phase | \$5,200.00 |

Requisitions Approved

A motion was made by Mr. Derr, seconded by Mr. Guss, to approve the Construction Fund Requisitions #48-49. The motion passed unanimously.

| | | |
|-------------------|---|-------------|
| Revenue Fund #157 | Debt Service, Operating and Maintenance Expenses | \$1,000,000 |
|-------------------|---|-------------|

7. Reports of Officers

7.1 SCBWA Liaison

No report.

7.2 Financial Report

Mr. Smith reviewed with the Board the YTD budget report for the period ending March 31, 2018.

7.3 Chairman's Report

None

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

| | Oct. 2017 | Nov. 2017 | Dec. 2017 | Jan. 2018 | Feb. 2018 | Mar.2018 |
|---------------------------------|----------------|---------------|----------------|------------------|------------------|------------------|
| Production | 836 cu/yds. | 860 cu/yds. | 945 cu/yds. | 896 cu/yds. | 960 cu/yds. | 853 cu/yds. |
| YTD. Production | 8,121 cu/yds. | 8,981 cu/yds. | 9,926 cu/yds. | 896 cu/yds. | 1,856 cu/yds. | 2,709 cu/yds. |
| Distribution | 633 cu/yds. | 994 cu/yds. | 794 cu/yds. | 1,201 cu/yds. | 136 cu/yds. | 3,408 cu/yds. |
| YTD. Distribution | 6,967 cu/yds. | 7,961 cu/yds. | 8,755 cu/yds. | 1,201 cu/yds. | 1,337 cu/yds. | 4,745 cu/yds. |
| Immediate Sale | 2,414 cu/yds. | 2,595 cu/yds. | 2,661 cu/yds. | 2,405 cu/yds. | 3,165 cu/yds. | 1,110 cu/yds. |
| Currently in Storage | 3,250 cu/yds. | 3,455 cu/yds. | 3,606 cu/yds. | 3,301 cu/yds. | 4,125 cu/yds. | 1,963 cu/yds. |

SEPTAGE OPERATIONS

| | Oct. 2017 | Nov. 2017 | Dec. 2017 | Jan. 2018 | Feb. 2018 | Mar. 2018 |
|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Res./Comm. | 2,000 gals. | 0 gals. | 1,150 gals. | 3,100 gals. | 2,050 gals. | 2,500 gals. |
| CH/Potter | 3,306.81 lbs/solids | 4,678.74 lbs/solids | 5,746.26 lbs/solids | 2,927.34 lbs/solids | 5,637.84 lbs/solids | 5,533.95 lbs/solids |
| Port Matilda | 1,506.20 lbs/solids | 1,271.02 lbs/solids | 1,467.84 lbs/solids | 1,534.56 lbs/solids | 2,768.88 lbs/solids | 1,034.16 lbs/solids |
| Huston Twp. | 1,217.64 lbs/solids | 0 lbs/solids | 767.28 lbs/solids | 767.28 lbs/solids | 650.52 lbs/solids | 116.76 lbs/solids |
| Total Flow | 54,000 gals. | 42,500 gals. | 62,150 gals. | 43,200 gals. | 75,450 gals. | 54,500 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 to our NPDES permits for the month of March 2018. The 12-month rolling average flow for March was 4.20mgd with the average for the month being 5.00mgd. The average monthly **influent** flow was 5.72mgd.

Treatment units on line are as follows: primary clarifiers #1, #3, #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:

| | Mar-18 | YTD | Plant Effl. Temp | Wetland Effl. Temp. |
|---------------|-------------------|-------------------|------------------|---------------------|
| Best Western | 47,000 | 102,000 | | |
| Centre Hills | 0 | 0 | Mar-18 | Mar-18 |
| Cintas | 592,000 | 1,931,000 | 54.4 | 51.7 |
| Red Line | 508,000 | 1,455,000 | | |
| Uaja Wetland | 5,314,000 | 13,902,000 | | |
| Wetland Vault | 17,794,000 | 56,160,000 | | |
| Kissingers | 1,364,000 | 4,199,000 | | |
| Stewarts | 1000 | 3000 | | |
| TOTAL | 25,620,000 | 77,752,000 | | |

Plant Maintenance

- Installed replacement pumps for the carbon feed system.
- Replaced Auma valve actuator on #6 Tertiary Filter drain valve and sent the old one in for repair.
- Ordered a gear reducer for #2 Tertiary Filter drain valve.
- Unplugged Primary Scum Line to D/W.
- Cleaned Primary Tanks #4 and #5 using Collections Vac truck.
- Replaced hose at Septage Receiving.
- Replaced AV500B Actuator on #2 MF.
- CIP all three Micro-filters.

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:

Mainline Cleaning – (15) manholes inspected – (2,117.7') of mainline cleaned.

Mainline Televising – (2,912.8' televised) – (215) manholes inspected.

Casting Repairs – (30).

New Lateral – 101 Elm Shade Dr.

Lateral Repairs – (1) 135 West Chestnut Street.

I&I Repairs – Manholes grouted – (14) repaired / (1) Joint repair / estimated 105 GPM of infiltration eliminated.

GPS locating of Manholes and Laterals in Pine Grove Mills.

Equipment maintenance.

Lift Station Maintenance:

Repaired bioxide pump at Marywood station.

Repaired (1) E-One pump core.

Cleaned (13) lift station wet wells.

Routine Maintenance.

NEXT MONTH PROJECTS:

Continue GPS work in Pine Grove.

Start lateral and casting repairs on Twp. paving projects.

Restoration at plant site.

Start new control panel and pumps at Harris Dr. station.

Inspection: Final As-Builts Approved:
The Gates Phase 4

Mainline Construction:

- a. Branch Road Bridge (Penn Dot) –Complete – Awaiting As-Builts.
- b. Mountain View Country Club Hotel – Started Construction (85%) Complete.
- c. Aeropointe – Complete – Awaiting As-Builts.
- d. The Station – Started Construction (60%) Complete.

New Connections:

| | | | | | |
|----|---------------------------|----|----|-----------------|---|
| a. | Single-Family Residential | 10 | c. | Commercial | 0 |
| b. | Multi-Family Residential | 0 | d. | Non-Residential | 0 |

TOTAL 10

PA One-Calls Responded to 3/1-31/18: 288

7.7 Engineer's Report

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

Retainer

- Prepared the Engineer's Certificate for the Series 2018 Sewer Revenue Bonds.

Odor Control Study

- Bids were received on April 4th at 2:00 PM. The bids received exceeded the Engineer's Opinion of Construction Cost, which was \$9.8 million. The sum of the low bids for the General and Electrical Contracts was \$13.1 million. Additional detail and discussion was provided at the meeting.

Extension of Beneficial Reuse Water to Harris Township (1178.0637)

- HRG is coordinating environmental and archeologic surveys in order to affirm the alignment. HRG and UAJA staff will attempt to make contact with the property owners on Tuesday, April 17, 2017 to discuss the alignment and request permission to complete the required surveys.

Developer Plan Reviews:

- Four (4) Developer Plan submissions have been active since the last report.
- The design plans for The Cottages by Toll Brothers were received and comments were returned to the developer. A meeting was held with the developer's engineer and Mark Harter on April 3, 2018 to discuss the requested revisions and the pump station design. Subsequent submissions are under review.
- The design information for the pump station for Kaywood North Subdivision were received and comments were returned to the developer. A meeting was held with the developer's engineer and Mark Harter on March 27, 2018 to discuss the requested revisions and the pump station design. Subsequent submissions are under review.
- The as-built plans for the Gates Townhomes Phase 4 were reviewed and recommended to Staff on March 14, 2018.
- The design plans for Dreibelbis Street Hotel (3rd revised design submission) were reviewed and returned to the Developer on March 13, 2018.

7.8 Construction Report

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

NPDES Permit

- RETTEW submitted the Final NPDES Permit Application on November 22, 2017. We await the review of the document by the PA Department of Environmental Protection.

Miscellaneous Projects

- Solar Fence/Main Gate – The Contractor has received all the materials for the main gate replacement and has been awaiting favorable weather for installation. The Contractor has not moved forward and RETTEW is providing correspondence to illustrate the contract timeline.
- Garage Door Replacement – A Final Completion Inspection was completed on April 3, 2018 and all items were completed with no outstanding punchlist items. RETTEW recommends final payment to Central PA Dock and Door, LLC in the amount of \$44,136.00.
- Aeration Blower Piping – The first phase of the work to repair the Aeration Blower Piping in the Administration Building has begun and RETTEW anticipates the completion of this the week of April 10, 2018. We'll provide an update at the Board Meeting on findings to-date.

ENR/AWT Upgrade Project

- RETTEW has received all the contracts and insurance from the three Contractors and has reviewed them and found no corrections were necessary. RETTEW has provided the contracts for execution and has scheduled a Preconstruction Conference on April 25, 2018.
- RETTEW has submitted the entire project to the College Township and Centre Region Code Offices and has received approval from College Township. We are awaiting any comments from the Centre Region Code or approval.

Outfall Project

- RETTEW has completed the field work for the Outfall Replacement Project, including Wetland Delineation, Topographic Survey and Cultural Resource Research/Notification.
- The Authority and RETTEW are reviewing potential options for the project.

Update on Battery Energy Storage System

- Switchgear modifications have been coordinated with West Penn Power and they are proceeding on the installation of these components. The first components are expected to be delivered by April 30th.
- Concrete work will begin once the latest bout of weather has cleared. Concrete and site work anticipated to be completed by May 30th.
- Remainder of components are in production and scheduled for delivery in the 2nd/3rd quarter.

7.9 Executive Director's Report

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

Spring Creek Watershed Commission Forum

The Spring Creek Watershed Commission is hosting a watershed forum at the Central Pennsylvania Institute of Science (CPI) at 6:30 PM, the same night as the UAJA board meeting. Details are provided in the flyer included in the agenda materials.

8. Other Business

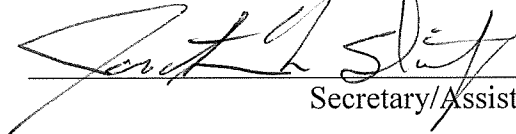
None

9. Adjournment

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

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary