

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – April 19, 2017

1. Call to Order

Mr. Schmalz, Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:00 p.m. Wednesday, April 19, 2017. 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; Art Brant, Plant Superintendent; Mark Harter, Collection System Superintendent; Jason Brown, Project Manager; Michael Levandoski, Solicitor; Doug Weikel, Ben Burns, Tom Holleran and Jeff Garrigan, Consulting Engineers; Steve Siegfried, RETTEW; Deb Hoag, State College Borough, Dave Swisher, Katherine Watt, Allison Ronan, a student from Penn State and Kathy Wheeler, Recording Secretary.

2. Reading of the Minutes

2.1 UAJA Regular Meeting – March 15, 2017

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| UAJA Meeting Minutes Approved |
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A motion was made by Mr. McShea, seconded by Mr. Lapinski, to approve the minutes of the UAJA meeting held on March 15, 2017. The motion passed unanimously.

3. Public Comment

None.

4. Old Business

4.1 2016 Audit

Field work for the 2016 audit was completed on March 21st. A draft audit will be available May 1st. Staff will review the draft and schedule a meeting with the sub-committee prior to the May 17th Board meeting. The final draft will be included in the May packet. It is anticipated that the 2016 audit will be approved at the May meeting.

4.2 Centre Region Planning Agency Report “Potential Expansion of the Beneficial Reuse Water System”

Significant edits to the above report have been made since the first draft. Most of the changes result from comments made by State College Borough Water Authority, College Township Water Authority, and Penn State University during meetings between CRPA staff and those entities. A copy of the report was included in the agenda materials.

This report resulted from a request by UAJA in August 2014 for the Centre Region to define a service area for beneficial reuse water to allow faster response to businesses requesting beneficial reuse water be considered for their project. Currently, if a potential customer is not immediate adjacent to the existing transmission mains, an Act 537 Plan revision is required, which is time consuming.

The report prepared by CRPA was presented to the COG Public Services and Environmental Committee April 6th. The committee decided to postpone action until the UAJA Board had a chance to comment on the final draft. COG’s next meeting is scheduled for May 4th.

A sub-committee comprised of Messrs. Dempsey, Derr, Dietz and Ebaugh will meet with Staff on April 26 along with CRPA staff to review this report and will report back to the Board at the May 17th meeting.

**Recommendation
Approved**

A motion was made by Mr. McShea, seconded by Mr. Lapinski, to inform COG that they will get UAJA's comments after UAJA's May meeting. The motion passed unanimously.

5. New Business

5.1 Final Design: Mountain View Country Club Hotel

Final design drawings for the Mountain View Country Club Hotel sewer extension (Harris Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve an additional 50 EDUs for this property. The review comments have been addressed.

**Final Design:
Mountain View Country
Club Hotel**

A motion was made by Mr. Dempsey, seconded by Mr. Dietz, to approve the Final Design: Mountain View Country Club Hotel for an additional 50 EDU's. The motion passed unanimously.

5.2 Final Design: Aeropointe Place

Final design drawings for the Aeropointe Place sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 25 EDUs of multi-family homes. The review comments have been addressed.

**Final Design:
Aeropointe Place
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Dempsey, to approve the Final Design: Aeropointe Place for 25 EDU's. The motion passed unanimously.

5.3 Requisitions

| | | |
|-----------|--|--------------------|
| BRIF #263 | HRG Selder's Circle – record drawings | \$4,070.00 |
| BRIF #264 | Gannett Fleming Companies GIS | \$665.90 |
| BRIF #265 | Pitney Bowes, Inc. Postage Machine | \$8,114.40 |
| BRIF #266 | Teledyne Instruments Refrigerated Sampler | \$6,255.00 |
| | TOTAL BRIF | \$19,105.30 |

**Requisitions
Approved**

A motion was made by Mr. Guss, seconded by Mr. McShea, to approve the BRIF Requisitions #263-266. The motion passed unanimously.

| | | |
|---------------------------|---------------------------|--------------------|
| 2017 Construction Fund #1 | HRG | \$24,750.00 |
| | Odor Control Final Design | |
| 2017 Construction Fund #2 | HRG | \$3,192.21 |
| | Reuse TAR Harris Twp | |
| 2017 Construction Fund #3 | Rettew Associates, Inc. | \$6,000.00 |
| | PJM Solar Applications | |
| TOTAL 2017 CF | | \$33,942.21 |

**Requisitions
 Approved**

A motion was made by Mr. McShea, seconded by Mr. Dempsey, to approve the 2017 Construction Fund Requisitions #1-3. The motion passed unanimously.

6. Reports of Officers

6.1 Financial Report

Mr. Smith reviewed with the Board the YTD budget report for the period ending March 31, 2017 and also reviewed the purchase plan of cd's. Mr. Smith stated that the Human Resource Manager, Lisa Kline, has an important position for the Authority's financial stability. Lisa does the payroll and the Accounts Payable. She processes invoices for payment generally weekly. It is done frequently to avoid late fees and penalties. It is good for vendor relations as they know they will be paid quickly. On the HR side, Lisa does payroll and tracks all the deductions such as taxes, retirement and insurance. She tracks all the compensated absences as this is a liability for the Authority and is part of the audit. She keeps the pay rates for all the employees. She does the tracking of insurance deductibles to ensure that the employees are being reimburse what they are suppose to get. Lisa also tracks all the life, dental and eye insurances.

6.2 Chairman's Report

Mr. Schmalz stated that he had just returned home from Amsterdam. While there he had a chance to visit some of the wastewater treatment facilities. In Holland gravity sewer don't work well due to being below sea level. Their system is a forcemain system and they don't do a lot of reverse osmosis.

6.3 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>Oct. 2016</u> | <u>Nov. 2016</u> | <u>Dec. 2016</u> | <u>Jan. 2017</u> | <u>Feb. 2017</u> | <u>Mar. 2017</u> |
|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Production | 875 cu/yds. | 789 cu/yds. | 891 cu/yds. | 750 cu/yds. | 736 cu/yds. | 913 cu/yds. |
| YTD. Production | 7,518 cu/yds. | 8,307 cu/yds. | 9,198 cu/yds. | 750 cu/yds. | 1,486 cu/yds. | 2,399 cu/yds. |
| Distribution | 1,079 cu/yds. | 647 cu/yds. | 888 cu/yds. | 395 cu/yds. | 1,092 cu/yds. | 304 cu/yds. |
| YTD. Distribution | 8,110 cu/yds. | 8,757 cu/yds. | 9,645 cu/yds. | 395 cu/yds. | 1,487 cu/yds. | 1,791 cu/yds. |
| Immediate | 952 cu/yds. | 1,049 cu/yds. | 850 | 1,345 | 974 | 1,786 |

| | | | | | | |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Sale | | | cu/yds. | cu/yds. | cu/yds. | cu/yds. |
| Currently in Storage | 1,827 cu/yds. | 1,838 cu/yds. | 1,741 cu/yds. | 2,095 cu/yds. | 1,710 cu/yds. | 2,699 cu/yds. |

SEPTAGE OPERATIONS

| | <u>Oct. 2016</u> | <u>Nov. 2016</u> | <u>Dec. 2016</u> | <u>Jan. 2017</u> | <u>Feb. 2017</u> | <u>Mar. 2017</u> |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Res./Comm. | 10,350 gals. | 500 gals. | 0 gals. | 0 gals. | 0 gals. | 10,300 gals. |
| CH/Potter | 5,692.05 lbs/solids | 6,071.52 lbs/solids | 4,908.09 lbs/solids | 4,878.90 lbs/solids | 4,607.85 lbs/solids | 7,827.09 lbs/solids |
| Port Matilda | 1,117.56 lbs/solids | 884.04 lbs/solids | 1,184.28 lbs/solids | 1,884.84 lbs/solids | 1,551.24 lbs/solids | 2,568.72 lbs/solids |
| Huston Twp. | 500.40 lbs/solids | 517.08 lbs/solids | 567.12 lbs/solids | 0 lbs/solids | 366.96 lbs/solids | 483.72 lbs/solids |
| Total Flow | 62,350 gals. | 55,500 gals. | 58,000 gals. | 55,000 gals. | 61,000 gals. | 108,800 gals. |

6.4 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 no exceptions to our NPDES permit. The 12-month rolling average flow for March was 3.70mgd with the average for the month being 4.54mgd. The average monthly **influent** flow was 5.07mgd. There were no plant inspections this month. Treatment units on line are as follows: primary clarifiers #4, #5 and #6; aeration basins #1 and #2; secondary clarifiers #1, #2, and #3; eight tertiary filters.

Below is the chart for Reuse Distribution and Temperature Data:

| | Mar-17 | YTD | Plant Effl. Temp | Wetland Effl. Temp. |
|---------------|-------------------|-------------------|------------------|---------------------|
| Best Western | 29,000 | 71,000 | | |
| Centre Hills | 0 | 0 | Mar-17 | Mar-17 |
| Cintas | 700,000 | 2,035,000 | 56.4 | 54.1 |
| Red Line | 393,000 | 1,087,000 | | |
| Uaja Wetland | 1,801,000 | 5,888,000 | | |
| Wetland Vault | 22,902,000 | 64,614,000 | | |
| Kissingers | 1,352,000 | 3,934,000 | | |
| Stewarts | 0 | 0 | | |
| TOTAL | 27,177,000 | 77,629,000 | | |

Plant Maintenance

- Replaced the main control module for the Nitrogen Probes.
- Replaced the breaker for Post Aeration Blower #2.
- Rebuilt Alum Pump #2.
- Replaced the UPS at the Main Station.

- Repaired roof leaks at the Compost Bldg.
- R&D Group replaced the LEL sensor and calibrated the Headworks air monitor.
- Primary Air-compressor #2 locked up and will be sent to CH Reed for warranty evaluation.
- Replaced the skid plate and drive chain in Primary Clarifier #3.
- Replaced the starter, start relay, and key switch on the Trommel Screen.
- Roy Brooks repaired the bucket for the 621D Loader.
- Replaced the membranes in MF #1.
- Cleaned the RO Unit.
- Replaced three rubber connectors and inspected the valve actuator couplers in the MF Units.
- Repaired the caustic line in AWT.
- Replaced the flexible feed hoses on both centrifuges.
- Replaced the wear plate in Primary Pump #3.

6.5 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 Lateral – 1430 North Atherton St. (Dunkin Donuts)
- Lateral Repair – (3) – 433 Sierra Lane, 733 Devonshire Drive, 2102 N. Oak Lane.
- Mainline Cleaning – (19) manholes inspected – (5899 ft) of mainline cleaned.
- Mainline Televised – (11,871 ft) televised – (65) manholes inspected.
- Manhole Repairs – (2) MH#12 Sycamore Dr, MH 41 College Ave.
- Mainline Repairs – (2) 263 Sycamore Drive.

Lift Station Maintenance:

- Installed new disconnect and meter socket at Scenery station.
- Completed start up on new control panel and new pumps at Scenery pump station.
- Cleaned (13) lift station wet wells.
- Installed new valve pit, valves and piping at the Kaywood station.
- Repaired (4) E-One pumps.
- Rebuilt surge valve at Scott road station.
- Replace wear ring and impeller on one pump at Outer Dr. station.
- Replace phase monitor at Graysdale 2A station.

NEXT MONTH PROJECTS:

- Lateral repairs on Seymore Ave, Mt. Nittany road, and Waddle road.
- Casting adjustments for Twp. Paving projects.
- Restoration on the Suburban park project.
- Relocating of the existing sewer, gas, water, and electric for new odor control project.

Inspection: Final As-Builts Approved: None

Mainline Construction:

- a. Stearns Crossing phase 9 - 40 % complete.

New Connections:

| | | | | | |
|----|---------------------------|----|----|-----------------|-----------|
| a. | Single-Family Residential | 10 | c. | Commercial | 0 |
| b. | Multi-Family Residential | 1 | d. | Non-Residential | 0 |
| | | | | TOTAL | 11 |

PA One-Calls Responded to 03/1-31/17: 257

6.6 Engineer's Report

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

Retainer

- Supporting the Series of 2017 Sewer Revenue Bonds for the planned facility upgrades.
- Assisted Staff with the annual inspection and certification of the stormwater management system.

Overlook Heights Sanitary Sewer Replacement: Suburban Avenue Backlot

- The Record Drawings for this project have been completed, and electronic files and paper copies have been provided to Mr. Harter for review.

Odor Control System Upgrades

- The aeronautical study conducted by the Federal Aviation Administration revealed that the proposed exhaust stack does not exceed obstruction standards and would not be a hazard to air navigation. Therefore, marking and lighting are not necessary.
- Air sampling for volatile organic compounds, including light alcohols will be conducted during the week of April 10th. Air sampling was concluded to be required based on comments received from the PA DEP after reviewing the initial application for plan approval.
- Discipline design (e.g. electrical, structural) is proceeding.
- The proposed upgrades were presented to College Township staff and subsequently at the Council Meeting on April 6, 2017. College Township initially deferred land development/minor plan requirements to Benner Township; however, Centre County responded that the project will fall under the jurisdiction and regulation of College Township. At this time, HRG is waiting for a response from College Township.
- Coordinated with Rettew to promote electrical equipment uniformity between the Biological Odor Control (BOC) Project and the ENR/AWT Project.

Special Study for Reclaimed Waterline Extension

- The schedule for completion of the Special Study has been revised:
 - Submission to the UAJA Staff for review May 11th
 - Presentation of the draft report to CRPA Staff May 18th
 - Final report to the COG PS&E Committee June 1st

Note: Other COG planning efforts may impact this schedule.

Developer Plan Reviews:

- Three (3) Developer Plans have been active since the last Board meeting.

- The Design Drawings for the Mountain View Country Club Hotel were reviewed for compliance with the Authority's requirements and were recommended to Staff for approval.
- The Design Drawings for Aeropointe Place were reviewed for compliance with the Authority's requirements and were recommended to Staff for approval.
- The Design Drawings for the Nursing Home-NVSC Lot 3-2350 Bernel Road have been returned to the Developer with comments for correction.

6.7 Construction Report

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

General Services

General Services Items Completed for the Authority:

SCADA

Coordination of SCADA System with Authority Staff and Applied Control Engineering, Inc. (ACE). Working with ACE to complete the remainder of their punchlist, including documentation and licenses.

Minor troubleshooting of SCADA issues within the facility

ENR/AWT Upgrade Project

The Water Quality Management Permit has been delivered to the PA DEP and we await review comments.

An Operations Staff Meeting was held to review the Preliminary Design on March 9, 2017. A number of worthwhile suggestions and discussions was held.

The Pilot Testing Trailer for the Denitrification Filters has arrived and is expected to begin operating in approximately 10 days upon completion of setup and electrical wiring.

Geotechnical Investigation of the EQ Tank area is scheduled for Wednesday April 19, 2017.

Other final design activities are underway.

Solar Project (Update for Authority Use)

Final Layout on the Solar Array has begun and RETTEW is preparing a Basis of Design of the System and Components for PACE and Authority Review.

The First Energy/West Penn Power Interconnection Application was submitted the week of March 6th and RETTEW has received correspondence from WPP they are reviewing the application and have forwarded for PUC approval.

The Battery Energy Storage System (BESS) agreements for the Wholesale Market have been received, along with all necessary approvals. The agreements will be registered by May 15, 2017.

Contractor pricing is underway for the BESS and the final design has been completed, with the exception of the structural slab for the BESS. Building and zoning permits will be submitted on April 17, 2017 for the BESS portion of the project.

6.8 Executive Director's Report

Mr. Miller informed the Board that he will be making his annual report to COG on April 24 regarding UAJA capacity. There were 517.5 EDU'S approved in 2016 and 644 EDU's so far for

2017. We may have trouble meeting our nitrogen limits. We are letting you know that we will be watching this and will be informing COG of this at the April 24th meeting.

7. **Other Business**
None

8. **Adjournment**

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

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

B. A. Deysy

Secretary/Assistant Secretary