

**MINUTES**  
**UNIVERSITY AREA JOINT AUTHORITY**  
**1576 SPRING VALLEY ROAD**  
**STATE COLLEGE, PA 16801**  
**Regular Meeting – May 17, 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, May 17, 2017. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Bridger, Dempsey, Derr, Dietz, Ebaugh, Guss, Nucciarone and Schmalz; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Mark Harter, Collection System Superintendent; Jason Brown, Project Manager; David Gaines, Solicitor; Ben Burns, Tom Holleran and Jeff Garrigan, Consulting Engineers; Jason Wert, RETTEW; Greg Garthe, CRPA; Amy Kerner, State College Borough, Brian McCall and Joe Minich, Maher Duessel; and Kathy Wheeler, Recording Secretary.

**2. Reading of the Minutes**

**2.1 UAJA Regular Meeting – April 19, 2017**

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

A motion was made by Mr. Derr, seconded by Mr. Guss, to approve the minutes of the UAJA meeting held on April 19, 2017. The motion passed unanimously.

**3. Public Comment**

None.

**4. Old Business**

**4.1 2016 Audit**

Staff completed the Management Discussion & Analysis section of the audit. A draft audit was provided on May 1<sup>st</sup>. A meeting was held with staff and the financial subcommittee on May 11<sup>th</sup>. Maher Duessel reviewed and explained the audit via telephone at the meeting. The final draft audit has been included in the packet. Brian McCall and Joe Minich of Maher Duessel will attend the meeting, present the audit and answer any questions.

<b>2016 Audit</b> <b>Approved</b>
--------------------------------------

A motion was made by Mr. Guss, seconded by Mr. Ebaugh, to approve the 2016 Audit. The motion passed unanimously.

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

At the April meeting, the UAJA Board asked staff to work with the Source Water Protection subcommittee to develop a response to the comments provided by the public water suppliers contained in the appendix of the above report. The subcommittee met April 26<sup>th</sup>. The resulting draft response was reviewed by the UAJA Board.

**5. New Business**

**5.1 Requisitions**

BRIF #267	Gannett Fleming Companies GeoDecisions-GIS	\$4,927.66
BRIF #268	HRG PDOT N. Atherton Relocation	\$776.50
BRIF #269	HRG Suburban Record Drawings	\$1,483.75
BRIF #270	HRG Shannon Backlot	\$4,893.00
BRIF #271	HRG Selder's Circle Record Drawings	\$2,590.00
<b>TOTAL BRIF</b>		<b>\$14,670.91</b>

**Requisitions  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Derr, to approve the BRIF Requisitions #267-271. The motion passed unanimously.

2017 Construction Fund #4	Rettew Associates, Inc. ENR/AWT Final Design	\$40,550.00
2017 Construction Fund #5	Ferguson Waterworks Pipe/Fittings Odor Project	\$18,481.91
2017 Construction Fund #6	HRG Odor Control Final Design Through 4/2/2017	\$33,000.00
2017 Construction Fund #7	HRG Reuse Extension to Harris	\$7,107.00
2017 Construction Fund #8	HRG Odor Control Final Design Through 4/30/2017	\$33,000.00
2017 Construction Fund #9	Robert P. Lepley Pilot Test electrical	\$5,615.00
2017 Construction Fund #10	Allegheny Contracting Gas line relocation Odor control project	\$2,670.00
<b>TOTAL 2017 CF</b>		<b>\$140,423.91</b>

**Requisitions  
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Guss, to approve the 2017 Construction Fund Requisitions #4-10. The motion passed unanimously.

Revenue Fund #151

Debt Service, Operating  
And Maintenance Expenses

\$1,000,000

**Requisition  
Approved**

A motion was made by, Mr. Dietz, seconded by Mr. Nucciarone, to approve the Revenue Fund Requisition #151. The motion passed unanimously.

## 5.2 UAJA Purchase of Heavy Equipment

Prices were received for the purchase of a Compact Excavator and an Excavator. After review by staff, it is recommended that the Board approve the purchase of the Case Compact Excavator from Groff and the Excavator from Best Line Equipment.

**Compact Excavator**

A motion was made by Mr. Guss, seconded by Mr. Ebaugh, to approve the purchase of the Compact Excavator from Groff as recommended by staff. The motion passed unanimously.

**Excavator**

A motion was made by Mr. Dietz, seconded by Mr. Derr, to approve the purchase of the Excavator from Best Line Equipment as recommended by staff. 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 April 30, 2017.

### 6.2 Chairman's Report None.

### 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>Nov. 2016</u>	<u>Dec. 2016</u>	<u>Jan. 2017</u>	<u>Feb. 2017</u>	<u>Mar. 2017</u>	<u>Apr. 2017</u>
<b>Production</b>	789 cu/yds.	891 cu/yds.	750 cu/yds.	736 cu/yds.	913 cu/yds.	829 cu/yds.
<b>YTD. Production</b>	8,307 cu/yds.	9,198 cu/yds.	750 cu/yds.	1,486 cu/yds.	2,399 cu/yds.	3,228 cu/yds.
<b>Distribution</b>	647 cu/yds.	888 cu/yds.	395 cu/yds.	1,092 cu/yds.	304 cu/yds.	604 cu/yds.
<b>YTD. Distribution</b>	8,757 cu/yds.	9,645 cu/yds.	395 cu/yds.	1,487 cu/yds.	1,791 cu/yds.	2,395 cu/yds.
<b>Immediate</b>	1,049 cu/yds.	850	1,345 cu/yds.	974	1,786	2,129

Sale		cu/yds.		cu/yds.	cu/yds.	cu/yds.
<b>Currently in Storage</b>	1,838 cu/yds.	1,741 cu/yds.	2,095 cu/yds.	1,710 cu/yds.	2,699 cu/yds.	2,958 cu/yds.

#### SEPTAGE OPERATIONS

	<u>Nov. 2016</u>	<u>Dec. 2016</u>	<u>Jan. 2017</u>	<u>Feb. 2017</u>	<u>Mar. 2017</u>	<u>Apr. 2017</u>
<b>Res./Comm.</b>	500 gals.	0 gals.	0 gals.	0 gals.	10,300 gals.	4,750 gals.
<b>CH/Potter</b>	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	5,437.68 lbs/solids
<b>Port Matilda</b>	884.04 lbs/solids	1,184.28 lbs/solids	1,884.84 lbs/solids	1,551.24 lbs/solids	2,568.72 lbs/solids	1,801.44 lbs/solids
<b>Huston Twp.</b>	517.08 lbs/solids	567.12 lbs/solids	0 lbs/solids	366.96 lbs/solids	483.72 lbs/solids	0 lbs/solids
<b>Total Flow</b>	55,500 gals.	58,000 gals.	55,000 gals.	61,000 gals.	108,800 gals.	72,750 gals.

#### 6.4 Plant Superintendent's Report

The following comments are as presented to the Board in the revised 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 April was 3.70mgd with the average for the month being 5.00mgd. The average monthly **influent** flow was 5.72mgd. There was a plant inspection with no noted violations this month.

Treatment units on line are as follows: primary clarifiers #3, #5 and #6; aeration basins #1 and #2; secondary; clarifiers' #2, #3, and #4; eight tertiary filters.

Below is the chart for Reuse Distribution and Temperature Data:

	Apr-17	YTD	Plant Effl. Temp	Wetland Effl. Temp.
<b>Best Western</b>	30,000	71,000		
<b>Centre Hills</b>	1,296,000	1,296,000	<b>Apr-17</b>	<b>Apr-17</b>
<b>Cintas</b>	573,000	2,608,000	60.8	58.2
<b>Red Line</b>	331,000	1,418,000		
<b>Uaja Wetland</b>	2,776,000	8,664,000		
<b>Wetland Vault</b>	15,591,000	80,205,000		
<b>Kissingers</b>	1,281,000	5,215,000		
<b>Stewarts</b>	0	0		
<b>TOTAL</b>	21,878,000	99,507,000		

##### Plant Maintenance

- Replaced the UPS at the Main Station.
- Replaced the valve actuator for Train 1 Zone 1. Valve was sent out for repair.
- Replaced the SSOL for wall mixer AM-508 and NM-503.

- Replaced the diaphragm in Primary Pump #8.
- Assisted Leopold in setting up pilot trailer.
- Installed weir brushes on the Secondary Clarifiers.
- Serviced Outfall U.V. Lights.
- Completed installing skid plates in Primary Clarifier #3.
- Replaced the unloading chains, paddles, and sprockets on Composter #2.
- Repaired connections in the control circuit on Centrifuge #1.
- Replaced the wear plates on Primary Pump #2 at Dewatering.
- Worked on getting Aeration Tank #3 ready to go on-line.
- Replaced feed hoses on both Centrifuges.
- Repaired the control circuit in Tertiary Effluent Valve #1.

## 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:

Lateral Repair – (3) – 401 & 407 Weymouth Circle, and 103 Seymore Ave.  
Mainline Cleaning – (16) manholes inspected – (2909 ft) of mainline cleaned.  
Mainline Televised – (2,560 ft) televised – (13) manholes inspected.  
Casting Repairs – (23) paving projects.  
Mainline Repairs – (2) – 800 Mt. Nittany Road, and 2174 North Oak Lane.  
Odor Control Project – utility relocation – 30% complete.

### Lift Station Maintenance:

Installed new run timers at Scenery station.  
Improved telemetry communications at Ghaner station.  
Cleaned lift station wet wells.  
Replaced bad pump at Harris station.  
Down loaded PLC programs at Scott Road, Ghaner, and Scenery stations.

### NEXT MONTH PROJECTS:

(3) New laterals – Lenor Drive.  
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:

- a. Suburban Back lot.

### Mainline Construction:

- a. Stearns Crossing Ph 9 – 100% complete (Awaiting As-Builts).
- b. The Gates Ph 3 – 60% complete.
- c. The Crossing at State College – 95 % complete.

### New Connections:

a.	Single-Family Residential	13	c.	Commercial	2
b.	Multi-Family Residential	1	d.	Non-Residential	0
				<b>TOTAL</b>	<b>16</b>

## **6.6 Engineer's Report**

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

### **Retainer**

- Assisted Staff with the evaluation of lateral flow capacity and provided a recommendation for the number of equivalent dwelling units per lateral (4" and 6").

### **Shannon Drive Replacement ROW and RDs**

- Easement exhibits for six (6) properties associated with the replacement of this gravity line in Park Forest were provided to Staff and the Solicitor for their use.

### **Odor Control System Upgrades**

- Met with UAJA Staff, Rettew and College Township (Kent Baker) to review the requirements and coordinate submission of documents for Land Development review. A preliminary/final submission will be made to College Township prior to May 22<sup>nd</sup>.
- Air sampling for volatile organic compounds, including light alcohols was conducted and results have been submitted by the laboratory. The results will be tabulated and analyzed in order to develop a response to the DEP's questions and comments.
- Discipline design (e.g. electrical, structural) is approaching 90% complete. A 90% design review will be coordinated with UAJA Staff and AECOM in early June. An internal QA and constructability review will be performed.
- Pending DEP approval of the air sampling results, the following schedule is anticipated:
  - Request Board authorization to Bid June 21<sup>st</sup>
  - Advertise (CDT and PennBID) June 23<sup>rd</sup>
  - Bid Opening (via PennBID on-line) August 11<sup>th</sup> (49 days)
  - Recommendation to Board and NOI August 16<sup>th</sup>
  - Notice of Award (September with acceptance of Bonds)
  - Notice to Proceed (September)

### **Special Study for Reclaimed Waterline Extension**

- The schedule for completion of the Special Study remains as presented last month:
  - Submission to the UAJA Staff for review May 11<sup>th</sup>
  - Presentation of the draft report to CRPA Staff May 18<sup>th</sup>
  - Final report to the COG PS&E Committee June 1<sup>st</sup>
- The schedule may be impacted by other COG planning efforts, and regulatory responses from the PA Game Commission and the PA Historical and Museum Commission, which are still outstanding.

### **Developer Plan Reviews:**

- Four (4) Plan submissions are active:
- The Design Drawings for the Nursing Home-NVSC Lot 3-2350 Bernel Road were returned to

the Developer, and are still awaiting correction (no change from last month).

- The As-Built Drawings for The Crossing at State College were received and are under review.
- The Design Drawings for the West Cherry Lane Multi Use Building project were received, reviewed and returned to the Developer's engineer for correction.
- The As-Built Drawings for Stearns Crossing - Phase 9 were received and are under review.

#### 6.7 **Construction Report**

The following comments were presented to the Board by the Construction Engineer.

##### **ENR/AWT Upgrade Project**

The Pilot Testing Trailer for the Denitrification Filters is on-site and startup has begun. The operation should be fully up and running in the next week.

##### **Solar Project**

- Building permits have been secured for the batteries.
- The Contractor should be on-site in July.
- Building Permit for the Solar will be submitted the week of Memorial Day.
- Ground breaking should begin in July.
- Property survey boundary showed no issues.
- Subdivision plans are to be submitted on May 22<sup>nd</sup>.
- College Twp is waiving the land development these two projects as it will be included in the subdivision plan.

#### 6.8 **Executive Director's Report**

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

##### **EPA Chesapeake Bay Phase III Watershed Improvement Plan Expectations**

EPA has issued their expectations to PADEP concerning the Phase III WIP. The document is included in the agenda materials. Of particular interest is EPA stating that EPA may take measures "no later than 2019" if Pennsylvania fails to meet its obligations. PADEP will be required to provide semi-annual progress reports.

##### **Water Resources Monitoring Project**

Mr. Miller informed the Board that confirmation was received regarding the contributions for the Water Resources monitoring Project and the contribution for the USGS Houserville gAge Support.

#### 7. **Other Business**

None

#### 8. **Adjournment**

The meeting was adjourned at 5:25 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary