

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

Regular Meeting – April 17, 2019

1. Call to Order

Mr. Lapinski, Chairman, called the meeting at 4:00 p.m., Wednesday, April 17, 2019. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Daubert, Dempsey, Dietz, 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, Solicitor; Ben Burns and Jeff Garrigan, Consulting Engineers; Michele Aukerman, RETTEW; Jim May, CRPA; Deb Hoag, State College Borough; David Swisher and Kathy Wheeler, Recording Secretary.

2. Reading of the Minutes

UAJA Regular Meeting – March 20, 2019 and the continuance of the meeting held on February 21, 2019.

UAJA
Meeting Minutes
Approved

A motion was made by Mr. Dempsey, seconded by Mr. Daubert, to approve the minutes of the UAJA meeting held on March 20, 2019 as submitted. The motion passed unanimously.

3. Public Comment

None

4. Old Business

4.1 Act 537 Planning

At the April 4, 2019 Public Services and Environmental Committee meeting, the agenda included the Comprehensive Update to the Centre Region Act 537 Plan. CRPA recommended to postpone the update of the Act 537 Plan, to follow the update of the Centre Region Comprehensive Plan, which is anticipated to begin in 2022 or 2023. This schedule would likely push the Act 537 Plan update to 2024 or later.

UAJA first requested an update to the Act 537 Plan following the completion of the Centre Region Comprehensive plan in 2013. In August 2014 UAJA formally submitted a request to COG. At the April 2015 COG General Forum meeting the request was denied. The Act 537 Plan update was eventually added to the Comprehensive Plan Implementation Program, but has been deferred several times to later years. As noted above, the latest deferral anticipates a start date no earlier than 2024.

Rather than completing a full update to the Act 537 Plan, the approach that is recommended by CRPA is to conduct Act 537 planning through special studies, which become amendments to the Act 537 Plan, but fall short of a comprehensive update to the plan. To date UAJA has completed a special study for the extension of Beneficial Reuse water to Mountainview Country Club and Tussey Mountain Resort, and Penn State University has completed two, one for establishing a reuse water service area, and one for upgrading the Penn State wastewater treatment plant. CRPA suggests that PSU will prepare another special study in 2019 to

establish a PSU sewer service area, move a portion of the UAJA service area to the PSU service area, and address future sewer service immediately adjacent to the PSU sewer service area.

If the Act 537 Plan update is to be delayed again, UAJA should consider the following special studies in lieu of the full Act 537 Plan update:

1. A special study to establish a Beneficial Reuse service area.
2. A special study to replace the Grays Woods pump stations with a system that involves fewer pump stations, with some sewers and force mains being located outside of the sewer service area. (This special study has been authorized by COG, but was deferred by UAJA to wait for a decision by Halfmoon Township, and the possibility of being included in the comprehensive update)
3. A special study for the allocation of Nitrogen and Phosphorus capacity (nutrient capacity) within the sewer service area based on current zoning, and for a method to provide nutrient capacity to any properties that are re-zoned to a higher density or added to the sewer service area. The special study would include financing options.
4. A special study to consider alternatives for Phase III of the Beneficial Reuse project, including direct environmental benefit sites in the upper Slab Cabin Run sub watershed, the upper Spring Creek sub watershed, and the Cedar Run sub watershed.
5. A special study to allocate treatment plant capacity to PSU, including financing alternatives.

Ultimately any change to the Act 537 requires unanimous approval of the municipalities of the Centre region.

**Study
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Ebaugh, to authorize UAJA staff prepare a Task Activity Report for special studies of the Act 537 Plan. The motion passed unanimously.

4.2 Resolution 19-01 – Borrowing Resolution

Included in your packet is Resolution 19-01. The Resolution is required by First Citizens Bank to finalize the borrowing agreement for purchase of trucks and equipment. The Board has already approved the borrowing agreement and has authorized Cory and/or Dave as signatories. This action formalizes prior actions in the form of a Resolution.

**Resolution 19-01
Approved**

A motion was made by Mr. McShea, seconded by Mr. Guss, to approve Resolution 19-01. The motion passed unanimously.

5. New Business

5.1 Update of Standard Specifications

While working through pipe purchasing for the Harris Reuse waterline extension, staff has determined that several fittings should be added to our standard specifications. Staff proposes to add Romac Alpha restrained coupling, restrained end cap and restrained flanged coupling. These fittings save time due to having only 2 bolts to tighten as opposed to 8 bolts. HRG has reviewed the fittings and concur that they are appropriate for our specifications. The specific language was provided in the meeting packet.

**Standard Specifications
Update
Approved**

A motion was made by Mr. Ebaugh, seconded by Mr. Dempsey, to approve Resolution 19-01. The motion passed unanimously.

5.2 Contract 19-02 - Paving

Staff prepared and bid UAJA's Paving Contract for 2019. The bid opening was held at 2PM on 4/8/2019. Results are below:

CONTRACT #2019-02 PAVING:

Mid State Paving \$74.00 per sq yd
Hawbaker \$98.00 per sq yd

**Contract 19-02
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Dietz, to award Contract 2019-02 to Mid-State Paving. The motion passed unanimously.

5.3 Contract 19-03 – Truck Rental

Staff prepared and bid UAJA's Truck Rental Contract for 2019. The bid opening was held at 2PM on 4/8/2019. Results are below.

CONTRACT #2019-03 TRUCK RENTAL:

S&C Operations, Inc. \$84.00 per hr

**Contract 2019-03
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Dietz, to award Contract 2019-03 to S&C Operations Inc. The motion passed unanimously.

5.4 Final Design: The Village at Penn State, Phases 9&10

Final design drawings for The Village at Penn State, Phases 9&10 sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 36 EDUs of single family homes. The review comments have been addressed.

**Final Design: The
Village at Penn State,
Phases 9 & 10
Approved**

A motion was made by Mr. Guss, seconded by Mr. Dempsey, to approve Final Design: The Village at Penn State, Phases 9&10. The motion passed unanimously.

5.5 Requisitions

Construction Fund #116	HRI	\$1,117,685.38
	ENR/AWT Gen. Pay App #11	

Construction Fund #117	Biter Electrical Enterprises ENR/AWT Elec. Pay App #7	\$165,524.52
Construction Fund #118	Myco Mechanical Inc. ENR/AWT Mech. Pay App #4	\$5,723.37
Construction Fund #119	Global Heavy Corporation Odor Control General Pay App #6	\$752,809.73
Construction Fund #120	Rettew Associates ENR/AWT SCADA	\$7,794.25
Construction Fund #121	HRG Harris Reuse Engineering	\$11,160.00
Construction Fund #122	HRG Odor Control Engineering	\$37,445.63

TOTAL CONSTRUCTION FUND **\$2,098,144.88**

**Requisitions
Approved**

A motion was made by Mr. McShea, seconded by Mr. Dietz, to approve the Construction Fund #116-122. The motion passed unanimously.

BRIF #344	HRG Greenbriar Engineering	\$187.50
BRIF #345	Gannett Fleming GIS	\$1,371.80
BRIF #346	Wayne Township Landfill Disposal of Sludge	\$30,517.23
BRIF #347	Landia, Inc. Spare aeration mixers	\$40,767.00
BRIF #348	Groff Tractor & Equipment Stone Box (7 yard)	\$8,745.30
BRIF #349	FoamCoat Roofing and Coatings	\$232,203.50

TOTAL BRIF **\$313,793.33**

**Requisitions
Approved**

A motion was made by Mr. Nucciarone, seconded by Mr. Dempsey, to approve the Bond Redemption and Improvement Fund #344-349. The motion passed unanimously.

Revenue Fund #162	Debt Service, Operating and Maintenance Expenses	\$1,000,000
TOTAL REVENUE		\$1,000,000

**Requisition
Approved**

A motion was made by Mr. Daubert, seconded by Mr. McShea, to approve the Revenue Fund #162. The motion passed unanimously.

5.6 Resolution 19-02 – Harris Reuse Waterline Extension

Resolution 19-02 – Harris Reuse Waterline Extension Project was presented to the board. The Resolution allows the Authority to take action to acquire right of way's for this project by condemnation if good faith negotiations with property owners fails.

**Resolution 19-02
Approved**

A motion was made by Mr. Daubert, seconded by Mr. Dietz, to approve Resolution 19-02. 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 March 13, 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

	<u>Oct. 2018</u>	<u>Nov. 2018</u>	<u>Dec. 2018</u>	<u>Jan. 2019</u>	<u>Feb. 2019</u>	<u>Mar. 2019</u>
Production	870 cu/yds.	851 cu/yds.	815 cu/yds.	790 cu/yds.	0 cu/yds.	0 cu/yds.
YTD. Production	8,798 cu/yds.	9,649 cu/yds.	10,464 cu/yds.	790 cu/yds.	790 cu/yds.	790 cu/yds.
Distribution	2,006 cu/yds.	517 cu/yds.	438 cu/yds.	4 cu/yds.	1 cu/yds.	694 cu/yds.
YTD. Distribution	10,928 cu/yds.	11,445 cu/yds.	11,883 cu/yds.	4 cu/yds.	5 cu/yds.	699 cu/yds.
Immediate Sale	1,183 cu/yds.	1,611 cu/yds.	2,024 cu/yds.	2,835 cu/yds.	3,624 cu/yds.	2,930 cu/yds.

Currently in Storage	2,053 cu/yds.	2,462 cu/yds.	2,839 cu/yds.	3,625 cu/yds.	3,624 cu/yds.	2,930 cu/yds.
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SEPTAGE OPERATIONS

	<u>Oct. 2018</u>	<u>Nov. 2018</u>	<u>Dec. 2018</u>	<u>Jan. 2019</u>	<u>Feb. 2019</u>	<u>Mar. 2019</u>
Res./Comm.	64,650 gals.	15,955 gals.	16,050 gals.	4,900 gals.	10,150 gals.	18,000 gals.
CH/Potter	5,963.10 lbs/solids	5,475.21 lbs/solids	5,446.02 lbs/solids	8,035.59 lbs/solids	6,772.08 lbs/solids	6,542.73 lbs/solids
Port Matilda	1,267.68 lbs/solids	1,601.28 lbs/solids	1,301.04 lbs/solids	1,217.64 lbs/solids	1,384.44 lbs/solids	1,718.04 lbs/solids
Huston Twp.	567.12 lbs/solids	683.88 lbs/solids	500.40 lbs/solids	500.40 lbs/solids	517.08 lbs/solids	417.00 lbs/solids
Total Flow	121,650 gals.	76,955 gals.	75,050 gals.	87,900 gals.	79,150 gals.	90,000 gals.

Mr. Brown stated that maintenance is winding down with the 26th of April being the last day for sludge landfill. April 29th compost operations will begin again.

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 exceptions to our TTS parameters due to the bypass for the month of March 2019. The 12-month rolling average flow for March was 5.32mgd with the average for the month being 5.17mgd. The average monthly influent flow was 6.70mgd. Treatment units on line are as follows: primary clarifiers #3, #5 and #6; aeration basins #2 and #3; secondary; clarifiers' #1, #2, #3 and #4; eight tertiary filters are off line.

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Below is the chart for Reuse Distribution and Temperature Data:

	Mar-19	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	30,000	69,000		
Centre Hills	0	0	Mar-19	Mar-19
Cintas	636,000	1,907,000	52.9	51.6
Red Line	657,000	1,503,000		
Uaja Wetland	3,861,000	13,285,000		
Wetland Vault	19,078,000	54,300,000		
Kissingers	1,796,000	5,088,000		
Stewarts/M.C.	16,000	45,000		
TOTAL	22,573,000	76,197,000		

Plant Maintenance

- Repaired Landia wall mixer power cord.
- Had Deibler machine shaft for non-potable water pump and fabricate backwash supply

- shaft and impeller.
- Rebuilt several MAC boxes for the primary pumps.
- Worked on switching from Aeration Basin #3 to Aeration Basin #1.
- Replaced Exhaust fan #1 inlet coupler.
- LandPro was in to remove and replaced engine in the Trummel Screen unit.
- Replaced Long Belt gear box drive and belt scrapper.
- Both scales on the Knight mixers were calibrated.
- Compost personnel along with collections worked on cleaning the bays at compost.
- Repaired water leak on polymer system at Dewatering.
- CIP on all three microfilters.
- Replaced bulbs in the UV system in the AWT.
- Changed unloading valve on Compressor #1 in AWT.

Mr. Brant thanked Mark Harter for the assistance his staff received from the Collection System staff.

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 – (6,142 ft' televised) – (34) manholes inspected.

Mainline Cleaning – (653 ft cleaned) – (4) manholes inspected.

Mainline Repairs – Continued W. Hillside Dr. mainline and lateral replacement project (65% complete).

Continued GPSing collection system.

Assisted plant personnel with work in compost building and brush grinding .

Lift Station Maintenance:

Cleaned (8) lift station wet wells.

Replaced start capacitor at Persia station.

Completed start-up at New Kaywood station.

Routine maintenance.

NEXT MONTH PROJECTS:

Flushing and televising of mainlines in service area.

Cleaning Wet Wells.

Continue GIS work in service area.

Complete mainline and lateral replacement on W. Hillside Dr.

Inspection: Final As-Builts Approved: Windfield Heights Phase 1&3
Kaywood North

Mainline Construction:

- a. N. Atherton Street Project (Penn Dot) – (95%) Complete.
- b. Helix Subdivision – Started Construction – (95%) Complete.
- c. The Cottages at State College – Started Construction – (20%) Complete.
- d. Grays Woods Section A Phase 6 – (10%) Complete.

New Connections:

- | | | | | | |
|----|---------------------------|---|----|-----------------|---|
| a. | Single-Family Residential | 3 | c. | Commercial | 0 |
| b. | Multi-Family Residential | 0 | d. | Non-Residential | 0 |

TOTAL

3

PA One-Calls Responded to 3/1-31/19: 286

Mr. Harter stated that the Hillside Dr. project will be completed next week.

6.7 Engineer’s Report

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

Retainer

- Collaborated with the UAJA pursuant to maintenance activities in the Compost Building.
- The Chapter 94 Report Map and Pump Station Tables were prepared.

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	225	95	9/4/2019	70%	30%
17-04	9/4/2018	320	7/21/2019	225	95	9/4/2019	70%	30%

*As of date of board meeting.

- Shop drawings are being processed and reviewed.
- Wall pours are ongoing.
- Progress Meeting No. 7 was held on April 4, 2019. Minutes have been prepared.
- The following table summarizes applications for payment submitted for the Biological Odor Control Project. HRG has reviewed the applications for payment and recommends payment based on the work completed.

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	6	\$752,809.73	\$8,358,000.00	\$2,975,425.00	35.6	\$5,680,117.50
17-04	N/A	\$0.00	\$587,890.00	\$191,814.71	32.6	\$415,256.76

Greenbriar Sanitary Sewer Design

- The Chapter 102 PAG-02 NPDES General Permit coverage approval was issued.
- Ferguson Township Permits (Pave-Cut and Road Occupancy and Municipal Tree Work) are being coordinated.
- An application for a Water Quality Management Permit is pending review by the Department.

- Easements and grinder pump agreements are being coordinated with the Authority's solicitor.

Extension of Beneficial Reuse Water to Harris Township

- Easements are being coordinated with the Authority's solicitor.
- The Water Quality Management Permit was issued.
- Environmental permit applications have been submitted. Comments are being addressed from the Army Corps of Engineers. The application is still pending review by the PA DEP.

Shiloh Road Pump Station Upgrades

- The sewer service area has been delineated and flow projections are being developed.
- Site survey will be coordinated for access to existing facilities.

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).
- The Developer's As-Built drawings for the Kaywood North Subdivision were reviewed and recommended to Staff on March 28, 2019 (1178.0656).
- The Developer's Design drawings for the Village at Penn State, Phases 9 & 10 were reviewed and returned to the Developer for correction on April 10, 2019 (1178.0659). *The developer's engineering is trying to have the revisions made prior to the board meeting.*
- Approved (or approved as corrected) submittals were provided to the UAJA staff for use in the field for inspection of the 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

- We are preparing a plan of study for a forthcoming Phosphorus Study for the WWTP.

RO Membrane Replacement

- The second set of membranes for installation in the second RO unit are scheduled to be delivered the week of April 15th. These membranes will be identical to the membranes installed in RO Unit #1 this past fall.

Compost Building Ceiling Repairs

- FoamCoat completed the repairs to the Compost Building’s ceiling insulation. Approximately 13,000 square feet of the insulation was repaired.

ENR/AWT Upgrade Project

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	329	36	6/22/2019	10%	90%
2017-07	5/23/2018	365	5/23/2019	329	36	6/22/2019	10%	90%
2017-08	5/23/2018	365	5/23/2019	329	36	6/22/2019	10%	90%

- Shop drawings and RFIs continue to be processed and reviewed.
- Job Conference No. 10 was held Wednesday, March 27th, meeting minutes are attached.
- Contract UAJA 2017-06 (HRI) has submitted Application for Payment No. 11 in the amount of \$1,117,686.38. RETTEW has reviewed the payment application and recommends payment in the amount of \$1,117,686.38 to HRI for Contract UAJA 2017-06.
- Contract UAJA 2017-07 (Myco) has submitted Application for Payment No. 4 in the amount of \$5,723.37. RETTEW has reviewed the payment application and recommends payment in the amount of \$5,723.37 to Myco for Contract UAJA 2017-07.
- Contract UAJA 2017-08 (Biter) has submitted Application for Payment No. 7 in the amount of \$165,525.52. RETTEW has reviewed the payment application and recommends payment in the amount of \$165,525.52 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	11	\$1,117,686.38	\$8,415,622.06	\$7,547,342.85	89.68%	\$1,245,646.25
2017-07	4	\$5,723.37	\$39,900.00	\$31,523.50	79.01%	\$11,528.85
2017-08	7	\$165,525.52	\$1,102,442.66	\$900,108.54	81.65%	\$292,344.98
		\$1,288,935.27	\$9,557,964.72	\$8,478,974.89	88.71%	\$1,549,520.08

Outfall Project

- Plans and specifications have been provided to contractors to solicit pricing.

6.9 Executive Director’s Report

Nothing additional to report.

7. Other Business

7.1 Executive Session

**Executive Session
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Dempsey, to adjourn to an executive session at 4:47 p.m. The motion passed unanimously.

8. Adjournment

The meeting was adjourned at 5:00 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary