

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

Regular Meeting – July 17, 2024

1. Call to Order

Mr. Lapinski, Chairman, called the regular meeting to order at 4:00 p.m., Wednesday, June 19, 2024. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Lapinski, Glebe, Kunkle, Miles, Mellott, and Guss; Cory Miller, Executive Director, Jason Brown, Assistant Executive Director; Sierra Weight, Administrative Assistant; Daren Brown, Collection System Superintendent; Holly Martinchek, Assistant Plant Superintendent; Jason Wert, Rettew; Michele Aukerman, Rettew; C-NET; Ben Burns, HRG; Logan Ledeborn, Quandel Enterprises; Justin Bickel, Quandel Enterprises; David Gaines, Solicitor. The following were in attendance via Zoom: Messrs. Nucciarone, and Daubert; Sam Robbins, State College Borough; Mike Tylka, CRPA Director.

2. Reading of the Minutes

UAJA Regular Meeting – June 19, 2024

UAJA Meeting Minutes Approved
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A motion was made by Mr. Guss, second by Mr. Miles to approve the meeting minutes of the UAJA meeting held on June 19, 2024. The motion passed unanimously.

3. Public Comment

3.1 Other items not on the agenda

None.

4. Old Business

4.1 None

5. New Business

5.1 Contract 2022-04 (Electrical) Change Order 01

This change order is for an accumulation of changes to the electrical contract. Cold weather batteries were added to light fixtures and several light fixtures were deleted. Motor starters were removed from several Motor Control Centers (MCCs) because circuit breakers will be better for the system. An alternate switchboard was approved to improve the delivery schedule. Electrical manholes and vaults will be epoxy coated. Conduit size was increased in several locations to add additional feeders. Concrete to cover duct banks outside of paved areas was added to protect the duct banks from future excavation projects. The change order is included in the agenda report.

Recommendation: Approve Change Order 01 for Contract 2022-04 in the net amount of \$24,433.21.

**Change Order 01 for
Contract 2022-04
Approved**

A motion was made by Mr. Kunkle, second by Mr. Mellott, to approve Change Order 01 for Contract 2022-04 in the amount of \$24,433.21. The motion passed unanimously.

5.2 Requisitions

BRIF #889	Glossner's Concrete Wiltshire Dr. Project	\$2,331.00
BRIF #890	S&C Operations Wiltshire Dr. Project	\$8,320.00
BRIF #891	Heidelberg Materials Wiltshire Dr. Project	\$12, 810.48
BRIF #892	EBY Paving Wiltshire Dr. Project	\$1,224.90
BRIF #893	Filmtec Corporation AWT Membranes	\$68,860.00
BRIF #894	HRI Inc. Wiltshire Dr. Project	\$6,051.70
BRIF #895	Ducken Tree Farm Wiltshire Dr./Fox Hollow Projects	\$1,089.50
BRIF #896	Robinson Septic Wiltshire Dr. Project	\$300.00
BRIF #897	Vaughn Co. Chopper Pump	\$21,764.00
BRIF #898	Irvin Farms, LLC Wiltshire Dr. Project	\$240.00
BRIF #899	HRG Scott Road Project	\$270.00
BRIF #900	HRG Princeton Drive Project	\$1,018.40
TOTAL BRIF-		\$124,279.98

**BRIF Fund
Approved**

A motion was made by Mr. Miles, second by Mr. Guss, to approve BRIF Fund #889, #890, #891, #892, #893, #894, #895, #896, #897, #898, #899 and #900 in the amount of \$124,279.98. The motion passed unanimously.

Construction Fund #029	Rettew Ozone Disinfection Project	\$2,983.50
TOTAL 2021 CONSTRUCTION FUND -		\$2,983.50

**Construction Fund
Approved**

A motion was made by Mr. Nucciarone, second by Mr. Mellott, to approve Construction Fund #029 in the amount of \$2,983.50. The motion passed unanimously.

Construction Fund #001	Rettew Sludge Drying Project	\$71,251.30
Construction Fund #002	Helena Agri-Enterprises Sludge Drying Project – Lime	\$7,140.00
Construction Fund #003	Maxwell Trucking Sludge Drying Project – Lime Spreader	\$6,082.50
Construction Fund #004	Quandel Construction Group Pay App. #7 – Sludge Drying Project – General	\$3,623,759.00
Construction Fund #005	Myco Mechanical Pay App. #3 – Sludge Drying Project – Plumbing	\$12,795.75
Construction Fund #006	Myco Mechanical Pay App. #4 – Sludge Drying Project – HVAC	\$3,065.85
Construction Fund #007	Hayden Power Group Pay App. #3 – Sludge Drying Project - Electrical	\$345,536.10
TOTAL 2021 CONSTRUCTION FUND -		\$4,069,630.50

**Construction Fund
Approved**

A motion was made by Mr. Kunkle, second by Mr. Mellott, to approve Construction Fund #001, #002, #003, #004, #005, #006, and #007 in the amount of \$4,069,630.50. The motion passed unanimously.

Revenue Fund #209	Debt, Service, Operation and Maintenance Expenses	\$1,000,000.00
TOTAL REVENUE FUND -		\$1,000,000.00

**Revenue Fund
Approved**

A motion was made by Mr. Nucciarone, second by Mr. Mellott to approve Revenue Fund #209 in the amount of \$1,000,000.00. The motion passed unanimously.

6. Reports to Officers

6.1 Financial Report

The different cost centers of the YTD budget report for the period ending June 30, 2024, were reviewed with the Board by Jason Brown.

6.2 Chairman’s Report

Mr. Lapinski asked Mr. Kunkle to present the board with an update on the Rate Subcommittee.

6.3 Plant Superintendent’s Report

Compost & Septage Operations Report

The following comments are as presented to the Board in the written report prepared by Andy Breon, Plant Superintendent.

COMPOST PRODUCTION AND DISTRIBUTION

UNITS IN CU/YDS	JANUARY 2024	FEBRUARY 2024	MARCH 2024	APRIL 2024	MAY 2024	JUNE 2024
PRODUCTION	651	625	780	796	0	0
YTD PRODUCTION	651	1276	2056	2852	2852	2852
DISTRIBUTION	384	173	452	1021	414	1278
YTD DISTRIBUTION	384	557	1009	2030	2444	3722
IMMEDIATE SALE	705	1183	1357	1116	1498	0
CURRENTLY IN STORAGE	1356	1808	2137	1912	1498	0

SEPTAGE OPERATIONS

LBS/SOLIDS

	JANUARY 2024	FEBRUARY 2024	MARCH 2024	APRIL 2024	MAY 2024	JUNE 2024
PORT MATILDA	625	1330	759	803	3044	734
HUSTON TOWNSHIP	310	584	517	667	367	350

TOTAL GALLONS

	JANUARY 2024	FEBRUARY 2024	MARCH 2024	APRIL 2024	MAY 2024	JUNE 2024
RESIDENTIAL/COMMERCIAL	1350	3100	3600	10950	11175	19190
PORT MATILDA	5352	11000	6500	11000	23000	5500
HUSTON TOWNSHIP	7800	8000	8000	8000	6000	6000
TOTAL GALLONS	14502	22100	18100	29950	40175	30690

Plant Operations:

- Total Monthly Influent Flow: 133.24 MGD
- Monthly Average Influent Flow: 4.44 MGD
- Highest Daily Influent Flow (6/6): 4.90 MGD
- Lowest Daily Influent Flow (6/28): 4.10 MGD
- 12-Month Rolling Effluent Average: 3.99 MGD

On-line Treatment Units:

- 3- Primary Clarifiers
- 2- Aeration Basins
- 3- Secondary Clarifiers
- 8- De-nitrification Filters

Reuse Water Distribution Data

	June	Year to date gallons
Best Western Hotel	30,000	201,000
Centre Hills Golf	7,362,400	9,973,400
Stewart Drive	0	0
Collections Maintenance Garage	2,000	8,000
CINTAS	451,571	2,534,571
Red Line	530,000	2,722,000
Plant site	4,982,000	27,603,000
GDK Park vault	32,142,000	228,847,000
Kissinger's Pond	0	0
Elks	2,750,000	3,590,000
Total Gallons	48,249,971	275,478,971
Plant effluent temperature monthly average	68.5°	
Wetland temperature monthly average	70.0 °	

Plant Maintenance

- Replaced lamps in the AWT UV disinfection.
- Replaced the scrapers on Secondary Clarifier #1.
- Replaced the polymer feed tube in Centrifuge #1.

6.4 Collection Systems Superintendent's Report

The following comments are as presented to the Board in the written report prepared by Daren Brown, Collection System Superintendent.

Mainline Maintenance:

Mainline Cleaning – 13,968 ft cleaned/cut with root cutter.
 Mainline televising – 20,866 ft televised – 115 manholes inspected.

Wiltshire Dr. – Replaced 250’ of sewer main and restoration (paving/curb/sidewalks/topsoil)
3 – Main line repairs (infiltration found during TV inspection)
7 – Casting adjustments

Lift Station Maintenance:

Replaced E-One grinder pump at 696 Rosslyn Rd. (Hunt Ridge Manor)
Replaced hour meter at Piney Ridge
Cleaned (15) wet wells.

Next Month Projects:

Wiltshire Drive Project.
Casting adjustments for paving projects
Continue televising mainline.
GIS for mapping
Mainline flushing

Inspection:

Winfield Heights Phase 2 (25% complete)

Mainline Construction:

- a. Rockey Ridge Sec. 6 (waiting on pre-construction meeting)
- b. Decibel Partners Hotel (need WQMP and Sewer Extension Agreement)

New Connections:

a. Single-Family Residential	10	c. Commercial	2
b. Multi-Family Residential	1	d. Non-Residential	0
TOTAL			13

PA One-Calls Responded to June 1 thru June 30, 2024: 363

6.5 Consulting Engineer’s Report

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

Retainer Services (001178.0693)

- Pressures and fire flows were modeled along Shiloh Road. It is recommended that the Developer collaborate with the UAJA to obtain field data.

Puddintown Interceptor Act 537 Special Study (P001178.0725)

- The draft special study was forwarded to the CRPA.

West Patton Pump Station Basis of Design (R001178.0730)

- HRG is waiting for the Developer’s consultant to provide updates.

Sanitary Sewer Replacement Permitting (R001178.0734)

- An Engineering Services Proposal has been prepared to prepare and submit permit applications for two sanitary sewer relocation projects (Park Lane and Woodledge).

Developer Plan Reviews:

- Decibel Partners Hotel (R001178.0733): The design drawings for the development were recommended for approval on June 27, 2024.

6.6 Construction Report

WWTP NPDES Permit – Phosphorus Study (094612027)

- Continuous in-stream monitoring of Spring Creek has been completed. We are reviewing all compiled data with the PA DEP for determination of next steps.

Phosphorus Study Project Schedule

Milestone	Date
Complete stream monitoring and compile data	November-December 2022
Review final data with PA DEP	TBD
Conduct High Temperature/Low Flow Monitoring if needed	TBD

Ozone Disinfection for Effluent (094612023)

- We have been working with staff and PSI to continue start-up and commissioning activities.
- A meeting was held RETTEW, PSI, Aqua Aerobics, and the Owner to review the current open issues and path forward options.

Payment Requests to Date

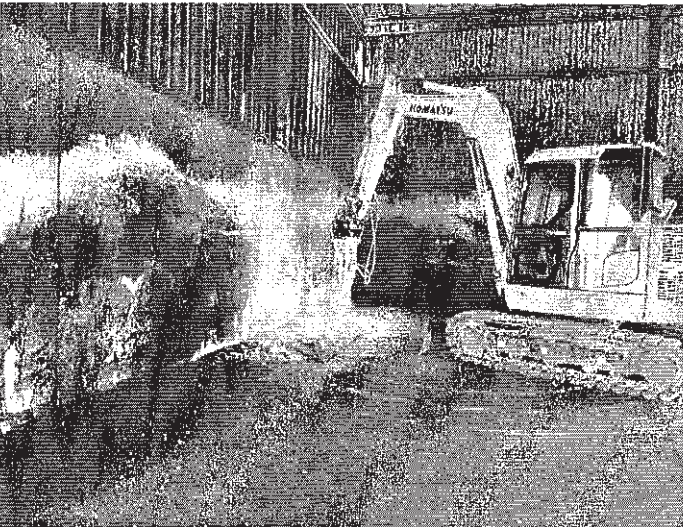
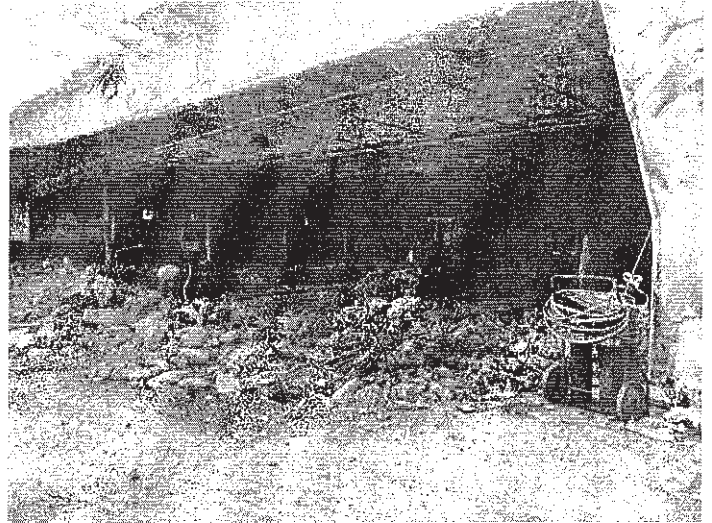
Contract Number	Application for Payment #	Current Payment Due	Contract Price to Date incld/CO	Total Work to Date	% Monetarily Complete	Balance of Contract Amount
2021-05 GC			\$5,458,723.91	\$5,323,473.91	97.52%	\$401,423.70
2021-06 EC			\$350,000.00	\$326,500.00	93.29%	\$39,825.00
2021-07 MC			\$223,000.00	\$223,000.00	100.00%	\$11,150.00
		\$0.00	\$6,031,723.91	\$5,872,973.91	97.37%	\$452,398.70

Ozone Disinfection for Effluent Project Schedule

Milestone	Date
Notice to Proceed Issued	12/27/2021
Substantial Completion	03/27/2023
Projected Substantial Completion Date	05/20/2024

Anaerobic Digestion Project (094612026)

- We continue to review project related submittals including the pre-engineered metal buildings and major equipment.
- Sludge hauling continues and temporary controls have now been established to allow for further automation.
- Building demolition is underway with visible portions of the Compost Building having been removed.



- Contract No. 2022-04 (Electrical) – Change Order No. 01 – We have prepared and recommended Change Order No. 01 for an increase of \$24,433.21 and 0 days to this contract. This change order includes additional cold weather batteries for light fixtures, additional ductbank conduit and concrete, and credits for deletion of lights and modifications to motor control centers.

Payment Requests to Date

Contract Number	Application for Payment #	Current Payment Due	Contract Price to Date incld/CO	Total Work to Date	% Monetarily Complete	Balance of Contract Amount
2022-01	07	\$3,623,759.00	\$66,606,000.00	\$13,440,348.00	20.18%	\$54,509,686.80
2022-02	03	\$12,795.75	\$784,000.00	\$91,441.50	11.66%	\$701,702.65

2022-03	04	\$3,065.85	\$759,000.00	\$36,043.50	4.75%	\$726,560.85
2022-04	03	\$345,536.10	\$6,598,900.00	\$849,691.52	12.88%	\$5,834,1777.63
		\$3,985,156.70	\$74,747,900.00	\$14,417,524.52	19.29%	\$60,330,375.48

- Application for Payment No. 07 has been received for Contract 2022-01 (General Construction) in the amount of \$3,623,759.00. RETTEW recommends payment of Application for Payment No. 07 in the amount of \$3,623,759.00.
- Application for Payment No. 03 has been received for Contract 2022-02 (Plumbing Construction) in the amount of \$12,795.75. RETTEW recommends payment of Application for Payment No. 03 in the amount of \$12,795.75.
- Application for Payment No. 04 has been received for Contract 2022-03 (HVAC Construction) in the amount of \$3,065.85. RETTEW recommends payment of Application for Payment No. 04 in the amount of \$3,065.85.
- Application for Payment No. 03 has been received for Contract 2022-04 (Electrical Construction) in the amount of \$345,536.10. RETTEW recommends payment of Application for Payment No. 03 in the amount of \$345,536.10.

Anaerobic Digestion Project Schedule

Milestone	Date
Notice to Proceed Issued	January 8, 2024
Completion of Dryer and Waste Handling Buildings	July 6, 2025
Contracted Substantial Construction	January 7, 2026

Modifications to GD Kissinger Meadow Stream Augmentation

- The Authority’s pending NPDES permit for the discharge of beneficial reuse water to Slab Cabin Run requires a series of modifications in control and monitoring. The changes will require modulation of the flows to the stream via SCADA, to avoid abrupt changes in stream flow. Additionally, we anticipate essentially a non-detect chlorine limit which will require de-chlorination prior to stream discharge. We are working with staff to design, permit, and implement these modifications.

6.7 Executive Director’s Report

Mr. Miller spoke about a possible upcoming presentation provided by the Fish and Boat Commission.

7. Other Business

None.

8. Adjournment

A motion was made by Mr. Nucciarone, second by Mr. Miles, to adjourn the meeting at 4:50 pm. The motion was passed unanimously.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary