

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

**Regular Meeting – September 20, 2023**

**1. Call to Order**

Mr. Lapinski, Chairman, called the regular meeting to order at 4:00 p.m., Wednesday, September 20, 2023. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Lapinski, Auman, Glebe, Guss and Kunkle; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Sierra Weight, Administrative Assistant; Daren Brown, Collection System Superintendent; Andy Breon, Plant Superintendent; Holly Martinchek, Assistant Plant Superintendent; Jason Wert, Rettew; Michele Auckerman, Rettew; C-NET; Jeff Garrigan, HRG Consulting Engineer; Doug Weikel, HRG Consulting Engineer; David Gaines, Solicitor; Brian Dempsey. The following were in attendance via Zoom: Messrs. Daubert, Nucciarone and Derr; Jim May, Centre Region Planning Agency.

**2. Reading of the Minutes**

UAJA Regular Meeting – August 16, 2023

**UAJA Meeting  
Minutes Approved**

A motion was made by Mr. Auman second by Mr. Guss to approve the meeting minutes of the UAJA meeting held on August 16, 2023. The motion passed unanimously.

**3. Public Comment**

**3.1 Other items not on the agenda**

None.

**4. Old Business**

**4.1 Biosolids Project Bids**

Bids were opened September 13, 2023. The bid tabulation is included in the agenda report. Bids are being reviewed, but as of this report the total construction cost for the four contracts is \$72,984,426.00. This is subject to change. The costs have inflated because of the impact of the inflation reduction act and construction costs in general. RETTEW will discuss the bid results and present an update to the economic model for the project.

**Recommendation: No action.**

**5. New Business**

**5.1 Requisitions**

BRIF #807

APR Supply

\$793.94

Aeration Tank Fittings

BRIF #808	HRI, Inc. East Hillside Project	\$9,724.26
BRIF #809	Auma Actuators Aeration System Upgrade	\$384.41
BRIF #810	S&C Operations N. Oak Lane & East Hillside Projects	\$19,338.75
BRIF #811	Centre Concrete Co. N. Oak Lane & East Hillside Projects	\$983.60
BRIF #812	Glossner's Concrete N. Oak Lane & East Hillside Projects	\$3,512.75
BRIF #813	L/B Water East Hillside Project	\$33,739.95
BRIF #814	Rettew Phosphorus Study	\$2,604.25
BRIF #815	Best Line Equipment East Hillside Project	\$1,360.00
BRIF #816	Ducken Tree Farm N. Oak Lane Project	\$1,009.80
BRIF #817	HRG Scott Road Project	\$1,927.50
BRIF #818	BVC Flooring Office Upgrade	\$4,207.00
BRIF #819	Hajoca Corporation PVC Socket Caps	\$259.20
BRIF #820	Stitzer Crane Service Crane Rental	\$400.40
BRIF #821	Landia, Inc. Mixer Repair Parts	\$4,126.00
<b>TOTAL BRIF</b>		<b>\$84,371.81</b>

**BRIF Approved**

A motion was made by Mr. Nucciarone, second by Mr. Guss to approve BRIF #807, #808, #809, #810, #811, #812, #813, #814, #815, #816, #817, #818, #819, #820, and #821 in the amount of \$84,371.81. The motion passed unanimously.

Construction Fund #099	Rettew Ozone Disinfection Project	\$3,354.25
Construction Fund #100	Rettew Solids Drying Project	\$21,924.36
<b>TOTAL 2020 A CONSTRUCTION FUND</b>		<b>\$25,278.61</b>

**Construction Fund Approved**

A motion was made by Mr. Auman, second by Mr. Kunkle to approve Construction Fund #099, and #100, in the amount of \$25,278.61. The motion passed unanimously.

Revenue Fund #200	Debt Service, Operation and Maintenance Expenses	\$1,000,000.00
<b>TOTAL REVENUE FUND</b>		<b>\$1,000,000.00</b>

**Total Revenue Fund Approved**

A motion was made by Mr. Nucciarone, second by Mr. Guss to approve Revenue Fund #200, 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 August 31, 2023, were reviewed with the Board by Jason Brown.

### 6.2 Chairman's Report

Due to a change in the board, a new election of secretary took place.

**Secretary Approved**

A motion was made by Mr. Nucciarone, second by Mr. Kunkle to elect Mr. Auman as Secretary. Mr. Auman accepted. A motion was made by Mr. Kunkle, second by Mr. Guss to close the nominations.

Due to Mr. Auman becoming the Secretary, an appointment for Assistant Secretary was held.

**Assistant Secretary  
Approved**

A motion was made by Mr. Auman to nominate Mr. Glebe as Assistant Secretary. Mr. Glebe accepted. A motion was made by Mr. Nucciarone, second by Mr. Guss to close the nominations.

Mr. Lapinski asked Mr. Kunkle to provide 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	MAR 2023	APR 2023	MAY 2023	JUNE 2023	JULY 2023	AUGUST 2023
PRODUCTION	840	655	753	575	803	483
YTD PRODUCTION	2451	3106	3859	4434	5237	5720
DISTRIBUTION	452	1150	557	805	423	1333
YTD DISTRIBUTION	2407	3557	4113	4918	5341	6674
IMMEDIATE SALE	1758	1448	1546	1494	1646	803
CURRENTLY IN STORAGE	2598	2103	2299	2069	2449	1411

SEPTAGE OPERATIONS

LBS/SOLIDS

	MAR 2023	APR 2023	MAY 2023	JUNE 2023	JULY 2023	AUGUST 2023
PORT MATILDA	2631	1237	1981	1843	1681	1409
HUSTON TOWNSHIP	300	537	307	350	306	384

TOTAL GALLONS

	MAR 2023	APR 2023	MAY 2023	JUNE 2023	JULY 2023	AUGUST 2023
RESIDENTIAL/COMMERCIAL	5200	13800	20100	10450	6950	23600
PORT MATILDA	17500	13000	19500	19500	19500	13000
HUSTON TOWNSHIP	6000	6000	8000	6000	8000	6000
TOTAL GALLONS	28700	32800	47600	35950	34450	42600

**Plant Operation**

The facility continues to operate well. On-line treatment units: Primary Clarifiers #1, #2, and #6; Aeration Basin Trains #1 and #3; Secondary Clarifiers #2, #3 and #4; and eight De-nitrification Filters.

The flows for August are listed below.

August average influent flow: 4.02 MGD  
 Highest average daily influent flow (8/14): 6.84 MGD  
 Lowest average daily influent flow (8/4): 3.76 MGD  
 August 12-Month rolling average: 3.65 MGD

**Reuse Water Distribution Data**

	August	Year to date gallons
Best Western Hotel	45,000	276,000
Centre Hills Golf	5,314,000	31,175,000
Stewart Drive	0	5,800
Collections Maintenance Garage	0	13,000
CINTAS	626,000	4,684,000
Red Line	315,000	3,441,000
Plant site	4,707,000	35,903,000
GDK Park vault	33,937,000	233,902,000
Kissinger's Pond	0	8,122,000
Elks	704,000	7,108,000
Total Gallons	45,648,000	324,629,800
Plant effluent temperature monthly average	67.9°	
Wetland temperature monthly average	67.4°	

**Plant Maintenance**

- Replaced 2 flow monitors and 2 PLC cards at the GDK Wetlands.
- Completed the repairs to Aeration Trains #1 and #3.
- Replaced the diaphragm in Primary Pump #12.
- Repaired the field wiring for Aeration Tank #1.
- Replaced an expansion joint on MF #3.
- Repaired the unloading conveyor on the Knight Mixer.
- Replaced the universal joint and yoke on the 621G loader.
- Installed a new DO probe at the end of the UV tank.

**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:**

New Laterals – 3 (Geisinger Grayswoods, Arize Federal Credit Union, Mt. Nittany Hospital Job Trailer)  
 Mainline Cleaning – 6,027 ft cleaned/cut with root cutter

Mainline televising – 29,323 ft televised – 134 manholes inspected  
Replaced 70’ of mainline and 65’ of lateral on South Barkway  
East Hillside project started on the 21<sup>st</sup>  
Replaced 439’ of mainline and 164’ of lateral  
Adjusted 5 castings for paving

**Lift Station Maintenance:**

Cleaned (9) wet wells

**Next Month Projects:**

East Hillside project  
Casting adjustments for paving projects (Jay St., Kennard Dr., and Canterbury Dr.)  
Continue televising mainline

**Inspection:**

None

**Mainline Construction:**

- a. Toftrees West (Mount Nittany Medical Center) – waiting on final as-builts

**New Connections:**

a. Single-Family Residential	3	c. Commercial	0
b. Multi-Family Residential	1	d. Non-Residential	0

**TOTAL 4**

PA One-Calls Responded to August 1 thru August 31, 2023: 382

**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)**

- Met with Collection System staff to review permitting requirements for upcoming replacement projects (Park Forest).

**Meeks Lane Pump Station – Act 537 Plan Special Study (R001178.0663)**

- Authority staff is reviewing the alternative pump station location near Waddle with Patton Township in October.

**Scott Road Pump Station and Bristol Interceptor (001178.0682)**

- The General Contractor is completed all punch list items.

- The Electrical Contractor is completing final punch list items.
- There were no applications for payments submitted this month.

<b>SCOTT ROAD PUMP STATION UPGRADE</b>					
<b>SUMMARY OF APPLICATIONS FOR PAYMENT</b>					
<b>Contract No.</b>	<b>Application for Payment No.</b>	<b>Amount Due</b>	<b>Current Contract Price</b>	<b>Total Completed and Stored</b>	<b>Balance to Finish Plus Retainage</b>
2021-03		\$0.00	\$515,303.23	\$515,303.23	\$6,600.00
2021-04		\$0.00	\$262,972.92	\$262,972.92	\$15,300.00

- Both Contractors have submitted time extension requests. Justifying documentation is being compiled.

**Persia Pump Station Evaluation (P001178.0724)**

- An EDU build-out and flow projection analysis was completed based on the 2017 Centre Region Regional Development Capacity Report and it was concluded that the existing pump station infrastructure is not adequately sized to support planned growth.
- Pump model recommendations are being developed along with timeline projections based on current wet well and force main capacities.
- The evaluation report will be submitted prior to the October meeting.

**Puddintown Interceptor Act 537 Special Study (P001178.0725)**

- The Task Activity Report (TAR) was revised based on comments submitted to the CRPA from members of the Millbrook Marsh Project Coordination meeting (College Township, Trout Unlimited and Clearwater Conservancy).
- The revisions included additional alternatives to evaluate (PSU flow diversion, water conservation programs, and scalping plants).
- The TAR is ready to be submitted to the PA DEP with the Authority’s authorization.

**Developer Plan Reviews:**

- Toftrees Planned Community West/Mount Nittany Health Outpatient Center (R001178.0727): As-built drawings were reviewed, and comments were addressed. A recommendation will be issued once signed drawings are submitted.
- Canterbury Crossing Phase 3&4 (R001178.0726): As-built drawings were recommended for approval on August 28, 2023.
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**6.6 Construction Report**

**WWTP NPDES Permit – Phosphorus Study (094612027)**

- Continuous in-stream monitoring of Spring Creek wrapped up at the end of October. We are compiling data for review with PA DEP.

**Phosphorus Study Project Schedule**

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

**Ozone Disinfection for Effluent (094612023)**

- All Ozone equipment has now arrived on site. The General and Electrical contractors are completing their final tie-in connections prior to the Manufacturer beginning start-up and commissioning. The General Contractor is working to ascertain the time required for commissioning, however, their preliminary schedule indicates a Substantial Completion prior to the end of the year.

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			\$5,448,000.00	\$4,828,020.00	88.62%	\$861,381.00
2021-06 EC			\$350,000.00	\$263,275.00	75.22%	\$99,888.75
2021-07 MC			\$223,000.00	\$215,881.50	96.81%	\$17,912.58
		\$0.00	\$6,021,000.00	\$5,307,176.50	88.14%	\$979,182.33

- No applications were received this month for processing.

**Ozone Disinfection for Effluent Project Schedule**

Milestone	Date
Notice to Proceed Issued	12/27/2021
Substantial Completion	03/27/2023
Projected Substantial Completion Date (per Contractor)	12/13/2023

**Anaerobic Digestion Project (094612026)**

- Bid opening is scheduled via the PennBid website Wednesday, September 13<sup>th</sup> at 2:00 pm. A tabulation of bids will be presented to the Board for review during the meeting.
- College Township Council has conditionally approved the land development plan.
- CFA has postponed their decision on grant awards until their September 19<sup>th</sup> Board meeting. An update will be provided at the Board Meeting.

**Anaerobic Digestion Project Schedule**

Milestone	Date
Updated Biogas Term Sheets and Biosolids Agreements to Stakeholders	Week of December 12 <sup>th</sup>
Submission of Land Development Plan	May 19, 2023
Submission of Building Permit Application	Week of July 10th
Complete Bidding Documents/Advertise for Bids	Week of June 5th
Bids Due for Construction	September 13, 2023
CFA Meeting Grant Announcement/Bid Award (Likely)	September 19, 2023
Begin Construction	November 2023
Complete Construction	February 2025



**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 discussed the debt service payment for September.

**7. Other Business**

None.

**Executive Session**

A motion was made by Mr. Derr, second by Mr. Nucciarone, to go into executive session at 5:17 pm. A motion was then made by Mr. Nucciarone, second by Mr. Guss to come out of executive session at 5:41 pm. Both motions passed unanimously.

**8. Adjournment**

A motion was made by Mr. Nucciarone, second by Mr. Guss, to adjourn the meeting at 5:41 pm. The motion was passed unanimously.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

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Secretary/Assistant Secretary

