

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – February 19, 2014

1. Call to Order

Mr. Lapinski, Vice- Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:10 p.m. Wednesday, February 19, 2014. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Dempsey, Dietz, Guss, Lapinski, McShea and Mellott; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Jason Brown, Project Manager; David Gaines, Solicitor; Doug Weikel, Ben Burns and Jason Fralick, Consulting Engineers; Jason Wert, Chris Underwood and Cadee Oakleaf, Rettew; Edward Holmes, State College Borough; Janet Sulzer, Centre Region and Kathy Wheeler, Recording Secretary.

2. Reading of the Minutes

2.1 UAJA Regular Meeting – January 15, 2014

UAJA Meeting Minutes Approved
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A motion was made by Mr. McShea, seconded by Mr. Guss, to approve the minutes of the UAJA meeting held on January 15, 2014 as submitted. The motion passed unanimously.

3. Public Comment

Ms. Sulzer commented that College Township and Hill Top property owners are in talks again.

4. Old Business

4.1 Contract #2014-01 Manholes for Selders Circle Project

Three bids were received:

By-Crete	\$14,558.00
Terre Hill	\$17,267.00
McCarroll Precast	\$21,172.00

By-Crete is the low bidder, and meets the specifications.

Contract #2014-01 Manholes for Selders Circle Project Approved

A motion was made by Mr. Guss, seconded by Mr. Dempsey, to award the contract to By-Crete in the amount of \$14,558.00. The motion passed unanimously.

4.2 Contract #2014-02 Pipe and Fittings for 2014 Projects

Four bids were received:

LB Water	\$28,816.00
HD Supply	\$31,572.44
Exeter Supply	\$32,562.31
Ferguson Waterworks	\$34,362.51

LB Water is the low bidder, and meets the specifications.

Contract #2014-02 Pipe and Fittings for 2014 Projects Approved

A motion was made by Mr. McShea, seconded by Mr. Mellott, to award the contract to LB Water in the amount of \$28,816.00. Motion passed unanimously.

4.3 Contract #2014-03 Paving Contract 2014

Five bids were received:

Hawbaker	\$73.45/sq yd
Mid State Paving	\$75.35/sq yd
Ameron	\$101.00/sq yd
Schlegel Exc.	\$117.00/sq yd
Eby Paving	\$125.00/sq yd

Hawbaker is the low bidder, and meets the specifications.

**Contract #2014-03
Paving Contract 2014
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Dietz, to award the contract to Hawbaker for the unit price of \$73.45/sq yd. Motion passed unanimously.

4.4 Plant Upgrades Status Report

The plant upgrade project, which is a collection of improvement projects around the plant including process changes to the advanced water treatment system, Reverse Osmosis membrane replacement, pumping and piping modifications to the dewatering system, and other smaller projects. Jason Wert of Rettew presented a status report of the project.

5. New Business

5.1 Final Design: Rockey Ridge Cluster Development Section 2

Final design drawings for the Rockey Ridge Cluster Development Section 2 sewer extension (Harris Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 18 EDU's of single family homes. The review comments have been addressed.

**Final Design: Rockey
Ridge Cluster
Development Section 2
Approved**

A motion was made by Mr. Guss, seconded by Mr. McShea, to approve the Final Design: Rockey Ridge Cluster Development Section 2. Motion passed unanimously.

5.2 Final Design: Stonebridge Planned Residential Development Building 1

Final design drawings for the Stonebridge Planned Residential Development Building 1 sewer extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 108 EDU's of senior living units within one building. There will be a second building and sewer extension at a future date. The review comments have been addressed.

**Final Design:
Stonebridge Planned
Residential
Development Building 1
Approved**

A motion was made by Mr. Mellott, seconded by Mr. Dietz, to approve the Final Design: Stonebridge Planned Residential Development Building 1. Motion passed unanimously.

5.3 Final Design: The Reserve at Gray's Woods Phase 1

Final design drawings for the Reserve at Gray's Woods Phase 1 sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 38 EDU's of single family homes. There is a pump station included in the development. The review comments have been addressed.

Final Design: The Reserve at Gray's Woods Phase 1

The information for this project was not received in time for the meeting.

5.4 Final Design: Villa 1 and Villa 2 Apartments

Final design drawings for the Villa 1 and Villa 2 Apartments sewer extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will replace and existing private sewer system which serves 10 existing buildings, as well as a future 8 unit building and future rental office, for a total of 9 new EDU's. The review comments have been addressed.

Final Design: Villa 1 and Villa 2 Apartments Approved

A motion was made by Mr. McShea, seconded by Mr. Guss, to approve the Final Design: Villa 1 and Villa 2 Apartments. Motion passed unanimously.

6.1 Requisitions

2010 Construction Fund #101	Manufacturers and Traders Trust Payment 1 of 3, Track Loader	\$75,995.76
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Requisitions Approved

A motion was made by Mr. Dietz, seconded by Mr. Dempsey, to approve the 2010 Construction Fund #101. The motion passed unanimously.

2010 Construction Fund #102	Groff Tractor & Equipment Accessories-Track loader	\$594.01
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Requisitions Approved

A motion was made by Mr. Mellott, seconded by Mr. Guss, to approve the 2010 Construction Fund # 102. The motion passed unanimously.

2010 Construction Fund #103	Retnew Associates Solids Handling and AWT Upgrade Engineering	\$14,499.88
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Requisitions Approved

A motion was made by Mr. McShea, seconded by Mr. Mellott, to approve the 2010 Construction Fund # 103. The motion passed unanimously.

7.2 Chairman’s Report
No report.

7.3 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>Aug. 2013</u>	<u>Sep. 2013</u>	<u>Oct. 2013</u>	<u>Nov. 2013</u>	<u>Dec. 2013</u>	<u>Jan. 2014</u>
Production	653 cu/yds.	559 cu/yds.	786 cu/yds.	661 cu/yds.	771 cu/yds.	783 cu/yds.
YTD. Production	5,949 cu/yds.	6,508 cu/yds.	7,294 cu/yds.	7,955 cu/yds.	8,726 cu/yds.	783 cu/yds.
Distribution	694 cu/yds.	733 cu/yds.	924 cu/yds.	506 cu/yds.	253 cu/yds.	139 cu/yds.
YTD. Distribution	5,917 cu/yds.	6,650 cu/yds.	7,574 cu/yds.	8,080 cu/yds.	8,333 cu/yds.	139 cu/yds.
Immediate Sale	935 cu/yds.	855 cu/yds.	447 cu/yds.	710 cu/yds.	1,118 cu/yds.	1,750 cu/yds.
Currently in Storage	1,588 cu/yds.	1,414 cu/yds.	1,233 cu/yds.	1,371 cu/yds.	1,889 cu/yds.	2,533 cu/yds.

SEPTAGE OPERATIONS

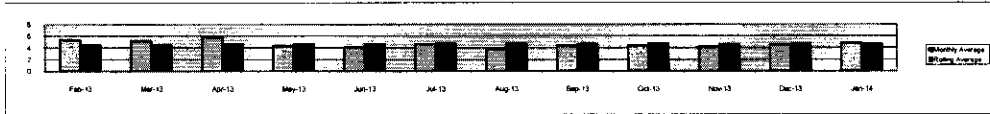
	<u>Aug. 2013</u>	<u>Sep. 2013</u>	<u>Oct. 2013</u>	<u>Nov. 2013</u>	<u>Dec. 2013</u>	<u>Jan. 2014</u>
Res./Comm.	0 gals.	2,000 gals.	4,200 gals.	0 gals.	0 gals.	2,000 gals.
* Other Flow	19,500 gals.	0 gals.	84,500 gals.	36,000 gals.	178,000 gals.	124,500 gals.
CH/Potter	3,523.65 lbs/solids	5,366.79 lbs/solids	5,475.21 lbs/solids	2,457.87 lbs/solids	2,927.34 lbs/solids	2,764.71 lbs/solids
Port Matilda	1,351.08 lbs/solids	750.60 lbs/solids	1,584.60 lbs/solids	2,034.96 lbs/solids	1,351.08 lbs/solids	2,135.04 lbs/solids
Huston Twp.	817.32 lbs/solids	1,434.48 lbs/solids	0 lbs/solids	0 lbs/solids	984.12 lbs/solids	767.28 lbs/solids
Total Flow	63,500 gals.	61,000 gals.	145,700 gals.	69,000 gals.	221,500 gals.	171,500 gals.

7.4 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 with no exceptions to our NPDES permit. The 12-month rolling average flow for January was 4.61mgd with the average for the month being 4.81mgd. Please see chart below.



There were no inspections of the treatment facility this month.

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

Plant Maintenance

- Replaced the shifting cable on the '99 Chevy truck.
- Replaced the motor in Primary Air-compressor #1.
- Repaired the Mioxx Units numerous times.
- The MF Units were inspected. All the valve actuators were removed and inspected. US Filer will perform an audit on the MF's to determine the cause of the resistance climbing so rapidly.
- Re-anchored the AWT Feed Line to the MF's. The mechanical joint was separating. All-thread was installed to hold the joint together.
- Replaced the bearing in Centrifuge Feed Pump #2.
- The shredder in the D/W Bldg. is worn out and parts are obsolete. The shredder will be replaced in the D/W upgrade.
- Replaced the water pump and installed an oil pan heater on the Trommel Screen.
- Repaired the Bay Fans on the Bays that will be put in service to trial the new Compost mix.

Reuse Total

Total for 2014-----5,545,000 gallons.
 Total for January 2014-----5,545,000 gallons.
 Total Reuse Water Distributed to Date-----447,355,600 gallons.

7.5 Collection System Superintendent's Report

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

Mainline Maintenance:

- (UA) Lateral Installations – (0)
- (UA) Lateral Repairs – (7) Various locations in Park Forest Village
- (UA) Mainline Cleaning – (86) manholes inspected- (13,208) feet cleaned
- (UA) Mainline Repairs – (1) 2042 North Oak Ln.
- (UA) Manhole Repairs – (0)
- (UA) Manhole Casting Repairs – (0)
- (FTA) Lateral Installations – (0)
- (FTA) Lateral Repairs – (0)
- (FTA) Mainline Cleaning – (13) manholes inspected- (2159) feet cleaned
- (FTA) Mainline Repairs – (1) 256 Deepwood Drive
- (FTA) Manhole Repairs – (0)
- (FTA) Manhole Casting Repairs – (0)

We are progressing with the Ghaner #1 lift station rehabilitation project and are approximately 90 % complete. We did also did some equipment maintenance.

(A)Construction &(B)I/I Inspection(A)(We TV'd 6341 ~~ua/0~~ ~~fta~~ feet of mainline and inspected

36 ua/0 fta MH's.) (B) Tested/Grouted – (MH's grouted ua 0 fta 0 /Joints tested ua 0 fta 0 /grouted ua 0 fta 0 /) (Grout used 0/Gal.). Estimated I/I-flow decreased (0gpd/= 0 EDU's).

Lift Station Maintenance:

Routine maintenance and general housekeeping was completed and all stations are reported to be operating normally.

We cleaned wet wells and did some snow plowing. We also repaired a sump drain line in the dry side at Shiloh Rd.

Inspection: Provisional As-builts Approved: The Landings Ph1A, Foxpointe 11, Turnberry / Rushcliffe St., Hunter's Chase, ph10

Mainline Construction:

- a. Liberty Hill, Phase 3 – Construction is approximately 50% complete.

New Connections:

a.	Single-Family Residential	14	c.	Commercial	0	
b.	Multi-Family Residential	0	d.	Industrial	0	
					TOTAL	14

PA One-Calls Responded to 1/1-31/14: **135**

7.6 Engineer's Report

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

Retainer

- Sewer Model Updates –Staff is updating the GIS database for geospatial EDU distribution.
- Reviewed pump station drawings and specifications for The Reserve and coordinating SCADA requirements.
- Attended a meeting with staff and State College Borough to review flow monitoring at the Cluster's Meter Station. Evaluated the calibration data used at the Cluster's Meter Station.
- Met with staff to discuss field survey of manholes along Atherton Street near Radio Park.

Big Hollow Interceptor Rehabilitation

- Contract 09-4/5/6 Big Hollow Diversion Pump Station (General, Mechanical, Electrical)

Contract Summary (as of January 15, 2014, date of Board Meeting)

Notice to Proceed	Contract Time ¹	Substantial Completion ¹	Time Used	% Used
2/26/2013	321	1/13/2014	358	100%

¹Contract Time and Substantial Completion Date reflect time extension in accordance with Change Order 4-4.

- Construction Conference No. 11 was held on February 6, 2014 at 10 AM.
- Wet weather Impacts – CMT recommended monitoring of the slab; HRG is surveying several slab spots for monitoring.
- Wet well and dry well piping is nearly complete. Pumps are installed, but not powered.
- Metering manhole installed.

- 36” gravity line installed from concrete channel to station.
- 36” and 20” forcemains installed on south side of I-99.
- CMU building is complete, trusses are set and sheeting is completed.
- Contractor is working to install the 20” forcemain connection to the Big Hollow Interceptor.
- Contractor is using fill from UAJA’s borrow site to proceed with backfill around the station.
- Contractor and Owner mutually agreed to postpone mediation until project completion for Engineer’s denial of costs (+\$125,270.46) for flooding.
- Contractor requested a time extension of four weeks for delays claimed to be associated with permanent site power. Subsequently, contractor extended this request to account for all delays associated with delay in permanent power.
- Contractor requested a time extension until June 15th for backfill relate work items for delays claimed to be associated with rain and flooding.
- Contractor provided notice that a claim for additional time would be submitted due to cold weather.
- Coordinating with the General Contractor and UAJA’s system integrator to change the controls subcontractor.
- Emergency generator installed.
- Majority of electrical equipment has been set and is being wired.

Contract Changes (Change Orders/Work Change Directives)

The following summarizes the status of all Contract Changes requested, approved, or pending:

No.	Cont r	Description	Amount	Status
CO 4-1	GC	Delete requirement for obtaining Building Permit.	(\$20,543.11)	Executed
CO 4-2	GC	Additional Code Requirements	16,818.99	Executed
CO 4-3	GC	Shorten Factory Pump Cable Lengths	(\$9,135.00)	Executed
CO 6-1	EC	Add Junction Box & Wiring/Upsize main breaker	\$4,492.70	Executed
CO 4-4	GC	Additional Time for Rain Events	21 days	Mediation
COR 4-2	GC	Upcharge for window frame color selection	\$875.00	Rejected
COR 4-4	GC	Additional cost for Rain Events	\$125,270.46	Rejected

Applications for Payment

The following Applications for Payment were received and are recommended for approval, as follows:

Contr. No.	Contract	Contractor	App No.	Amount
09-4	General	Lobar, Inc.	10	\$ 194,28.05
09-5	Mechanical	Port Vue	3	\$ 70,533.00
09-6	Electrical	Lepley Electric	2	\$ 78,962.36
				\$ 343,753.41

Constructed Wetlands

The Amendment of the WQM Permit for the wetland and stream augmentation features has been issued.

Radio Park Interceptor

Finalization is being withheld to corroborate data with hydraulic sewer model update.

Selders Circle Sewer Relocation

Sanitary Sewer design was finalized based on Storm Sewer Improvements designed provided by Ferguson Township. The GP-5 Stream Crossing Permit (w/E&S Plan) and PennDOT HOP were secured. The Sewage Facilities Planning Module has been approved by DEP. The Water Quality Management Permit application will be completed and submitted.

Ghaner Road Pump Station

Construction activities continue with HRG assisting staff with utility coordination (electrical, cable). Start-up is anticipated for late February.

7.7 Executive Director's Report

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

Kissinger Meadow Project

The PA Fish and Boat Commission held a meeting with UAJA and DEP to discuss their concerns about thermal impact of the augmentation of Slab Cabin Run. It is unknown at this time if they will comment on the Water Quality Management permit.

8. Other Business

Executive Session

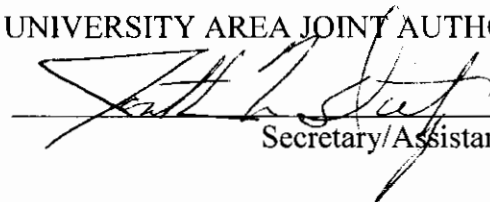
A motion was made by Mr. Dietz, seconded by Mr. Dempsey, to adjourn to executive session at 5:20 p.m. The motion passed unanimously.

9. Adjournment

The meeting was adjourned at 5:20 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



Secretary/Assistant Secretary