

**MINUTES**  
**UNIVERSITY AREA JOINT AUTHORITY**  
**1576 SPRING VALLEY ROAD**  
**STATE COLLEGE, PA 16801**  
**Regular Meeting – April 16, 2014**

**1. Call to Order**

Mr. Schmalz, Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:08 p.m. Wednesday, April 16, 2014. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Dempsey, Ebaugh, Guss, Lapinski, Schmalz, Spac and Ms. Prestia; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Dick Lahr, Collection System Superintendent; Jason Brown, Project Manager; Richard Campbell, Solicitor; Ben Burns, Consulting Engineers; Brian Book and Mark Delisio, Hazen and Sawyer; Janet Sulzer and Eric Vorwald, Centre Region; Amy Kerner, State College Borough; and Kathy Wheeler, Recording Secretary.

**2. Reading of the Minutes**

**2.1 UAJA Regular Meeting – March 19, 2014**

<b>UAJA Meeting Minutes Approved</b>
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A motion was made by Mr. Lapinski, seconded by Mr. Guss, to approve the minutes of the UAJA meeting held on March 19, 2014 as submitted. The motion passed unanimously.

**3. Public Comment**

None.

**4. Old Business**

**4.1 2013 Chapter 94 Report**

The Chapter 94 Report has been reviewed by DEP. They have issued a letter indicating that our report was both “complete and accurate” and that our facilities “show neither an existing hydraulic or organic overload, nor are they projected to be overloaded in the near future”. The letter from DEP was included in the meeting packet.

**4.1 2013 Audit**

Field work for the Audit was completed during the week of March 24<sup>th</sup>. No major problems were encountered. The auditors will have a draft audit ready by the first week of May. This draft will be distributed to the board at that time for comments. A final draft will then be developed to be distributed in the May board packets. The auditors will attend the May meeting to present the audit and answer questions. The expectation is that the board will take action to approve the audit at the May meeting.

**5. New Business**

**5.1 UAJA Green Infrastructure Concept Plan**

Early this year, UAJA Staff attended several conferences where stormwater management using “Green Technology” was a topic of discussion. The Centre Region Municipalities are each managing an MS4 program (Municipally Separate Storm Sewer System), which requires municipalities to educate the public, and adopt stormwater management practices to ensure that water quality impacts from stormwater are minimized. UAJA is one of the largest municipally owned facilities in the region. UAJA staff believes that UAJA should improve its stormwater management practices to support our own goal of improving water quality in the watershed.

While the stormwater management facilities at the plant do a fine job of controlling the quantity of stormwater, there are many opportunities to improve water quality. To evaluate what could be

accomplished, staff contacted Hazen & Sawyer to brainstorm some preliminary ideas. They agreed to produce a concept plan at no cost, a draft of which has been reviewed by staff and was presented at the meeting. The concept plan also includes an evaluation of grant opportunities, which must be acted upon quickly if UAJA wishes to take advantage of potential outside funding.

Aside from the benefit to the watershed of improving water quality, having a collection of green technology at the treatment plant will result in a significant educational opportunity. All of the fifth grade classes of the State College Area School District tour our facility each year, as well as customers, professional organizations, and university students.

The costs of making the improvements can be spread over several years, and many of the projects can be accomplished using mostly UAJA manpower and equipment.

Hazen and Sawyer representatives presented the results of the concept plan at the meeting.

<b>Authorization to Pursue Grant Opportunities Approved</b>	A motion was made by Mr. Lapinski, seconded by Mr. Dempsey, to authorize staff to pursue grant opportunities to help fund green technology projects at the treatment plant. Motion passed unanimously.
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**5.2 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.

<b>Final Design: The Reserve at Gray's Woods Phase 1 Approved</b>	A motion was made by Mr. Ebaugh, seconded by Mr. Guss, to approve the Final Design: The Reserve at Gray's Woods Phase 1. The motion passed unanimously.
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**5.3 Final Design: Calvary at Harvest Fields**

Final design drawings for the Calvary at Harvest Fields sewer extension (Harris Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve a church (1 EDU). The review comments have been addressed. This project can not be built until it is approved by the Planning Agency due to it being outside the sewer service area.

<b>Final Design: Calvary at Harvest Fields Approved</b>	A motion was made by Mr. Lapinski, seconded by Mr. Ebaugh, to approve the Final Design: Calvary at Harvest Fields. The motion passed unanimously.
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**5.4 Requisitions**

2010 Construction Fund #113	Dale Summit Acquisitions March 2014 Lease Pymt Reuse Water Storage Tanks	\$25,000.00
2010 Construction Fund #114	Lobar Inc.	\$24,025.31

Pay App #11  
Big Hollow Pump Station

2010 Construction Fund #115	Robert P. Lepley Electric 80% complete Ghaner 1	\$2,880.00
2010 Construction Fund #116	HRG CA – 93% Big Hollow Pump Station	\$2,214.94
2010 Construction Fund #117	CMT Labs Concrete testing Big Hollow Pump Station	\$452.50
2010 Construction Fund #118	Rettew Design Solids Handling & AWT upgrade	\$8,340.63

**Requisitions  
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Lapinski, to approve the 2010 Construction Fund #113 - 118. The motion passed unanimously.

BRIF #72	Rettew Design Solids Handling & AWT upgrade	\$19,658.62
BRIF #73	Robert P. Lepley Electric Pay App #4 Big Hollow Pump Station	\$133,377.06

**Requisitions  
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Dempsey, to approve the BRIF # 72 & 73 requisitions. The motion passed unanimously.

Revenue Fund #132	Debt Service, Operating and Maintenance	\$1,000,000
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**Requisitions  
Approved**

A motion was made by Mr. Guss, seconded by Mr. Dempsey, to approve the Revenue Fund # 132. The motion passed unanimously.

1. **Reports of Officers**

7.1 **Financial Report**

Mr. Smith reviewed with the Board the YTD budget report for the period ending February 28, 2014.

**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>Oct. 2013</u>	<u>Nov. 2013</u>	<u>Dec. 2013</u>	<u>Jan. 2014</u>	<u>Feb. 2014</u>	<u>Mar. 2014</u>
<b>Production</b>	786 cu/yds.	661 cu/yds.	771cu/yds.	783 cu/yds.	623 cu/yds.	680 cu/yds.
<b>YTD. Production</b>	7,294 cu/yds.	7,955 cu/yds.	8,726 cu/yds.	783 cu/yds.	1,406 cu/yds.	2,086 cu/yds.
<b>Distribution</b>	924 cu/yds.	506 cu/yds.	253 cu/yds.	139 cu/yds.	0 cu/yds.	387 cu/yds.
<b>YTD. Distribution</b>	7,574 cu/yds.	8,080 cu/yds.	8,333 cu/yds.	139 cu/yds.	139 cu/yds.	526 cu/yds.
<b>Immediate Sale</b>	447 cu/yds.	710 cu/yds.	1,118 cu/yds.	1,750 cu/yds.	2,533 cu/yds.	2,772 cu/yds.
<b>Currently in Storage</b>	1,233 cu/yds.	1,371 cu/yds.	1,889 cu/yds.	2,533 cu/yds.	3,541 cu/yds.	3,452 cu/yds.

**SEPTAGE OPERATIONS**

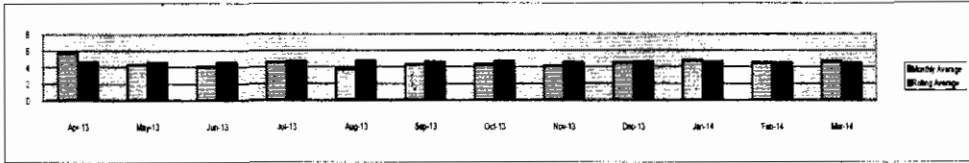
	<u>Sep. 2013</u>	<u>Oct. 2013</u>	<u>Nov. 2013</u>	<u>Dec. 2013</u>	<u>Jan. 2014</u>	<u>Feb. 2014</u>
<b>Res./Comm.</b>	4,200 gals.	0 gals.	0 gals.	2,000 gals.	0 gals.	0 gals.
<b>* Other Flow</b>	84,500 gals.	36,000 gals.	178,000 gals.	124,500 gals.	82,500 gals.	52,500 gals.
<b>CH/Potter</b>	5,475.21 lbs/solids	2,457.87 lbs/solids	2,927.34 lbs/solids	2,764.71 lbs/solids	4,065.75 lbs/solids	3,903.12 lbs/solids
<b>Port Matilda</b>	1,584.60 lbs/solids	2,034.96 lbs/solids	1,351.08 lbs/solids	2,135.04 lbs/solids	1,251.00 lbs/solids	1,534.56 lbs/solids
<b>Huston Twp.</b>	0 lbs/solids	0 lbs/solids	984.12 lbs/solids	767.28 lbs/solids	0 lbs/solids	600.48 lbs/solids
<b>Total Flow</b>	145,700 gals.	69,000 gals.	221,500 gals.	171,500 gals.	120,500 gals.	98,500 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 March was 4.50mgd with the average for the month being 4.70mgd. Please see chart below.



Sue Herzing of D.E.P. inspected and split samples with our facility on March 13 and 14, 2014. No discrepancies were noted. Test results are available upon request.

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

**Plant Maintenance**

- Repairs were made to the facility as recommended by the Safety Committee.
- Replaced the batteries in the Plant Emergency Generator.
- Replaced the weir brushes on the Secondary Clarifiers and put the brushes in place for the season.
- Replaced the thermostat on the explosion-proof heater in the Headworks Bldg.
- Replaced the diaphragms and rebuilt the air cylinders on Primary Pumps #1 and #3.
- Serviced the Carbon Addition pumps and started feeding carbon.
- Replaced the water meter and re-located the remote display at Cintas.
- Replaced the Back Drive PLC for Centrifuge #1 at Dewatering.
- Replaced the wiring and fuses for the dolly motor on Composter #1.
- Repaired the plow on the transfer conveyor at Compost.
- Replaced the main controller, spark plug and flame sensor in MAU-1301.

**Reuse Total**

Total for 2014-----17,330,000 gallons.  
Total for March 2014-----6,071,000 gallons.  
Total Reuse Water Distributed to Date-----453,069,600 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 – (1) Toftrees Clubhouse
- (UA) Lateral Repairs – (8) Various locations in Park Forest Village
- (UA) Mainline Cleaning – (50) manholes inspected- (9,357) feet cleaned
- (UA) Mainline Repairs – (1) Cricklewood Drive
- (UA) Manhole Repairs – (0)
- (UA) Manhole Casting Repairs – (0)
- (FTA) Lateral Installations – (0)
- (FTA) Lateral Repairs – (1) 274 Deepwood Drive
- (FTA) Mainline Cleaning – (0) manholes inspected- (0) feet cleaned
- (FTA) Mainline Repairs – (0)
- (FTA) Manhole Repairs – (0)
- (FTA) Manhole Casting Repairs – (0)

We are progressing with the Ghaner #1 lift station rehabilitation project and are approximately 98% complete. We also did restoration and sidewalks for lateral repairs.

**(A)Construction &(B)I/I Inspection(A)**(We TV'd 10,301 ua/0 fta feet of mainline and inspected 58 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 replaced check valves at the Graysdale 2A station. We replaced 2 capacitors at Kaywood.

**Inspection:** Final As-builts Approved: None

**Mainline Construction:**

- a. Liberty Hill, Phase 3 – Construction is complete. We are reviewing As-built drawings.
- b. Liberty Hill, Phase 2C – Construction is 99% complete.

**New Connections:**

a.	Single-Family Residential	10	c.	Commercial	0	
b.	Multi-Family Residential	3	d.	Industrial	0	
					<b>TOTAL</b>	<b>13</b>

PA One-Calls Responded to 3/1-31/14: 164

**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 data base for geospatial EDU distribution.
- Completed field survey and prepared base plan 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 March 14, 2014, date of Board Meeting)***

Notice to Proceed	Contract Time <sup>1</sup>	Substantial Completion <sup>1</sup>	Time Used	% Used
2/26/2013	321	1/13/2014	414	+100%

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

- Construction Conference No. 13 was held on April 3, 2014 at 10 AM.
- Submittal reviews are almost completed
- 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.
- 36" gravity line installed from concrete channel to station.
- 36" and 20" forcemains installed on south side of I-99.

- CMU building is complete
- Backfill is nearly complete
- Contractor and Owner mutually agreed to postpone mediation until project completion for Engineer’s denial of costs for flooding.
- Contractor requested time extensions
- Delays associated with wet weather
- Delays associated with delay in permanent power.
- Delays associated with cold weather
- Emergency generator scheduled for start-up on April 14<sup>th</sup> and 15<sup>th</sup>.
- Permanent power installed.
- Concrete deck pour completed.
- Testing of wet well revealed cracks leaking to pump room. Contractor is applying an injection chemical grout.
- Gas line on north side of I-99 located and requires relocation. Agreement with Columbia Gas has been executed and submitted.
- Wet well covers are being installed; however there are alignment issues.
- Contractor preparing for start-up of 100-Series Pumps.

**Contract Changes** (Change Orders/Work Change Directives)

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

No.	Cont	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
CO 6-2	EC	Provide Starters for EF-1, EF-2, and SF-1	\$ 4,168.45	Recommended
COR 4-2	GC	Upcharge for window frame color selection	\$875.00	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.	12	\$ 24,025.31
09-5	Mechanica 1	Port Vue	--	\$ ---
09-6	Electrical	Lepley Electric	4	\$ 133,377.06
				\$ 157,402.37

There is a deletion to #094 for onsite control work and an increase to #096 for site grading.

<p><b>Electrical Contract Approved</b></p>
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A motion was made by Mr. Lapinski, seconded by Mr. Guss, to approve \$4,168.45 for the exhaust fan wiring and starters in the Electrical Contract #The motion passed unanimously.

**Constructed Wetlands**

Contract drawings and project manual completed.

**Radio Park Interceptor**

Finalizing hydraulic model update for the Radio Park Sewershed using survey data collected for manholes at Atherton Street crossing. Counting EDUs for single residential units and consulting with UAJA staff for multiple EDU connections.

**Selders Circle Sewer Relocation**

All permits have been received. HRG is coordinating with staff for construction later this summer.

**Ghaner Road Pump Station**

Permanent power has been provided to the site and construction is nearly complete. HRG is working with vendors to schedule start-up.

**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.

**Slab Cabin Run Meeting with DEP**

On March 24<sup>th</sup>, a meeting was held at UAJA to discuss the list of questions that had been submitted to DEP concerning the impacts of the eventual designation of Slab Cabin Run as a high quality cold water fishery. A copy of the questions is included in the board meeting packet. Marcus Kohl, DEP Regional Director, was present to answer the questions. Based on the answers, there does not appear to be a way under existing regulations, for UAJA to be permitted to augment the flow in Slab Cabin Run once the stream is designated HQ. Marcus suggested that the region might want to try a legislative approach.

**8. Other Business**

**Executive Session**

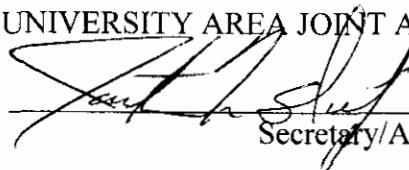
A motion was made by Mr. Lapinski, seconded by Mr. Ebaugh, to adjourn to an executive session at 5:35 p.m. The motion passed unanimously.

**9. Adjournment**

The meeting was adjourned at 5:35 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

  
Secretary/Assistant Secretary