

**MINUTES**  
**UNIVERSITY AREA JOINT AUTHORITY**  
**1576 SPRING VALLEY ROAD**  
**STATE COLLEGE, PA 16801**  
**Regular Meeting – February 15, 2012**

**1. Call to Order**

Mr. Lapinski, Vice-Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:00 p.m. Wednesday, February 15, 2012. The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Ballenger, Ebaugh, Lapinski, McShea, Spac, Zeigler and Ms. Barnes; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Jason Brown, Project Manager; Dave Gaines, Solicitor; Doug Weikel, Jason Fralick and Ben Burns, Consulting Engineers; Janet Sulzer, Centre Region Planning; and Kathy Wheeler, Recording Secretary.

**2. Reading of the Minutes**

**2.1 UAJA Regular Meeting – January 18, 2012**

<b>UAJA</b> <b>Meeting Minutes</b> <b>Approved</b>
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A motion was made by Mr. Zeigler, seconded by Mr. Spak, to approve the minutes of the UAJA meeting held on January 18, 2012 as submitted. The motion passed unanimously.

**3. Public Comment**

Ms. Sulzer stated that College Township is reviewing plans for phase 4 and 5 of Canterbury Crossings. It is a 100 unit, stacked condo, family development.

**4. Old Business**

**4.1 Extension of fixed electricity rates**

UAJA has a fixed price contract for electricity with Constellation Energy which expires December 2, 2014. It is possible to extend the contract by up to two additional years to Dec 2016. Energy prices are determined daily in the market. Over the winter months, the price has been moving downward. Up to date pricing will be provided at the meeting, and a snapshot of the market trend is provided in your packet.

There are several options available to UAJA:

1. Continue with the existing contract, and make a decision about energy nearer to the expiration of the current contract.
2. Extend the contract based on the price provided at the board meeting.
3. Take action to set a target price. When the market hits that price, UAJA would extend the contract. If the market does not reach that price, then we will eventually be back to option 1.

Between now and 2019, when the debt service drops considerably, managing risk is important. The price that is currently available is lower than our current price. It would be wise to avoid paying more for energy than we currently are paying.

<b>Extension of fixed</b> <b>electricity rates</b> <b>Approved</b>
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A motion was made by Mr. McShea, seconded by Mr. Spac, to approve the extension of the fixed electricity rates for two year period past the current expiration date of December 2, 2014. The motion passed unanimously.

**4.2 Contract 2012-01 Carbon Supplement**

On Wednesday, February 8<sup>th</sup>, 2012 at 2 pm, a bid opening was held for the purchase of Carbon Supplement. The results are as follows:

**Contract #2012-01 Carbon Supplement**

Environmental Operating Solutions (EOS) 1,040,000 mg/L COD)	.225 dollars per lb. of COD (\$1.95/gallon based upon
Suffolk Sales	.265 dollars per lb. of COD (\$2.21/gallon based upon 1,000,000 mg/L COD)
Univar	.345 dollars per lb. of COD (\$2.90/gallon based upon 1,040,000 mg/L COD)

This is a one year contract with the option to extend in one year increments, up to a total of 3 extensions. We are currently paying \$2.40/gal.

**Contract 2012-01  
Carbon Supplement  
Approved**

A motion was made by Mr. Zeigler, seconded by Mr. Ebaugh, to approve Contract 2012-01 Carbon Supplement to EOS. Motion passed unanimously.

**4.3 Port Matilda, Centre Hall/Potter and Huston Township Sludge Receiving Agreement**

UAJA currently accepts sludge from Port Matilda, Centre Hall/Potter and Huston Township. UAJA continues to have unused capacity in our solids handling system, in turn, past boards have decided that we should help our neighboring treatment plants with their sludge disposal as long UAJA does not incur any additional costs. The proposed disposal fee for 2012 is \$564.34/dry ton.

**Sludge Receiving  
Agreements  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Zeigler, to approve the renewal of the contracts with Port Matilda Borough, Centre Hall/Potter Township and Huston Township with no rate increase. The motion passed unanimously.

**5. New Business**

**5.1 Requisitions**

2010 Construction Fund #38	R & R Fencing	18,686.21
	Security fencing – Tank site	

**Requisitions  
Approved**

A motion was made by Mr. Zeigler, seconded by Mr. Lapinski, to approve the 2010 Construction Fund # 38. The motion passed unanimously.

**6. Reports of Officers**

**6.1 Financial Report**

Mr. Smith reviewed with the Board the YTD budget report for the period ending January 31, 2012.

**6.2 Chairman's Report** – Mr. Lapinski informed the Board that he will be giving a review of UAJA to the College Township Supervisors. He also state that he had met with College Township Water Authority regarding the reuse water and and that discussions are continuing. Will update

when more information is available. Mr. Ebaugh shared with the Board and article from the New York Times “Yuck Factor”.

**6.3 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. 2011</u>	<u>Sep. 2011</u>	<u>Oct. 2011</u>	<u>Nov. 2011</u>	<u>Dec. 2011</u>	<u>Jan. 2012</u>
<b>Production</b>	796 cu/yds.	749 cu/yds.	731 cu/yds.	828 cu/yds.	721 cu/yds.	738 cu/yds.
<b>YTD. Production</b>	6,025 cu/yds.	6,774 cu/yds.	7,505 cu/yds.	8,333 cu/yds.	9,054 cu/yds.	738 cu/yds.
<b>Distribution</b>	517 cu/yds.	789 cu/yds.	596 cu/yds.	665 cu/yds.	132 cu/yds.	169 cu/yds.
<b>YTD. Distribution</b>	4,913 cu/yds.	5,702 cu/yds.	6,298 cu/yds.	6,963 cu/yds.	7,095 cu/yds.	169 cu/yds.
<b>Immediate Sale</b>	1,073 cu/yds.	957 cu/yds.	1,110 cu/yds.	1,249 cu/yds.	1,945 cu/yds.	2,497 cu/yds.
<b>Currently in Storage</b>	1,869 cu/yds.	1,706 cu/yds.	1,841 cu/yds.	2,077 cu/yds.	2,666 cu/yds.	3,235 cu/yds.

**SEPTAGE OPERATIONS**

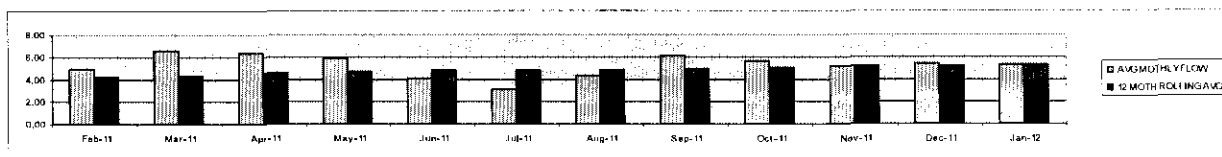
	<u>Aug. 2011</u>	<u>Sep. 2011</u>	<u>Oct. 2011</u>	<u>Nov. 2011</u>	<u>Dec. 2011</u>	<u>Jan. 2012</u>
<b>Res./Comm.</b>	14,400 gals.	22,000 gals.	11,500 gals.	6,500 gals.	0 gals.	0 gals.
<b>* Other Flow</b>	0 gals.	0 gals.	70,200 gals.	0 gals.	0 gals.	0 gals.
<b>CH/Potter</b>	4,878.90 lbs/solids	5,800.47 lbs/solids	5,583.63 lbs/solids	4,966.47 lbs/solids	4,391.01 lbs/solids	5,787.13 lbs/solids
<b>Port Matilda</b>	550.44 lbs/solids	600.48 lbs/solids	867.36 lbs/solids	1,634.64 lbs/solids	1,417.80 lbs/solids	2,001.60 lbs/solids
<b>Huston Twp.</b>	1,167.60 lbs/solids	0 lbs/solids	517.08 lbs/solids	1,334.40 lbs/solids	567.12 lbs/solids	241.86 lbs/solids
<b>Total Flow</b>	64,900 gals.	81,500 gals.	134,700 gals.	73,500 gals.	59,000 gals.	65,200 gals.

**6.4 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 5.23mgd with the average for the month being 5.23mgd. Please see chart below.



There were no inspections by DEP this month.

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

**Plant Maintenance**

- Replaced the rubber on the skimmer arm on Secondary Clarifier #2.
- Replaced the drive belts on the short conveyor at D/W.
- Installed the spare lift cylinder on Composter #2.
- Optimum Controls continues to repair the SCADA System.
- Rewired the control panel for BWP #2.
- Replaced the starter and battery in the 01” Chevy Pick-up.
- Rebuilt an Anoxic Mixer for the Aeration Basin.
- Hazel Plumbing was in to repair the process air line in the AWT.
- Repaired the process air line and valve actuator AV-16 on MF#1.
- Replaced the communications interface card in the control panel for Centrifuge #1.
- Repaired a broken utility water line in Compost.
- Programming and communications are complete for the Mountain Tanks. Electrical issues remain before putting them into service.

**Reuse Total**

Total for 2012-----9,209,000 gallons.  
 Total for January 2012-----9,209,000 gallons.  
 Total Reuse Water Distributed to Date-----260,919,900 gallons.

**6.5 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 – (0)
- (UA) Mainline Cleaning – (28manholes inspected- 5503 feet cleaned)
- (UA) Mainline Repairs – (0)
- (UA) Manhole Repairs – (0)
- (UA) Manhole Casting Repairs – (0)
- (FTA) Lateral Installations – (0)
- (FTA) Lateral Repairs – (0)
- (FTA) Mainline Cleaning – (0) manholes inspected- 0 feet cleaned)
- (FTA) Mainline Repairs – (0)
- (FTA) Manhole Repairs – (0)
- (FTA) Manhole Casting Repairs – (0)

We have installed approximately 8000ft.( ±73%) of the force main pipe required at Big Hollow. We did some small equipment maintenance.

**(A)Construction &(B)I/I Inspection:** (A)(We TV’d 4563 ua/0 fta feet of mainline and

inspected 26 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 replaced 2 seals on pump #2 at Marywood. We replaced the incoming pressure gage for the booster pumps at Scott Road. We also cleaned grease out of several wet wells.

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

**Mainline Construction:**

- a. Aikens-Boalsburg -- Construction is complete. TV work has been completed. Awaiting As-builts.
- b. Rocky Ridge, ph1 – Construction is approximately 97% complete and put on hold by the Developer.
- c. Hospital Expansion – New lateral construction is approximately 98% complete and is on hold for other work.
- d. Old Block Road Extension – Construction is approximately 70% complete.
- e. Second Mile – Construction has been halted.

**New Connections:**

a.	Single-Family Residential	9	c.	Commercial	1	
b.	Multi-Family Residential	0	d.	Industrial	0	
					<b>TOTAL</b>	<b>10</b>

PA One-Calls Responded to 1/1-31/12: 187

**6.6 Engineer's Report**

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

**Retainer**

- Scott Road Pump Station – Coordinating with LB Water and JM Eagle Pipe to have failed pipe sections tested.

**Big Hollow Interceptor Rehabilitation**

- Contract 09-2: Big Hollow Forcemain Installation and Appurtenances  
We provided additional stake-out of the forcemain for use by UAJA's field crew. We have also provided technical specifications and quantities needed for the bidding of the 36" force main materials.
- Contract 09-3: Big Hollow Siphon and Highway Crossing:  
We provided the solicitor with documentation concerning property owner claim.
- Contract 09-4/5/6 Big Hollow Diversion Pump Station (General, Mechanical, Electrical)  
With the proposed alignment confirmed, the proposed pump design has been re-calculated and selection confirmed. Right-of-way drawings have been forwarded to Penn State who has requested additional notations on the drawings as well as metes and bounds descriptions of the permanent pump station easement. We have revised the wetwell to include the partition which now includes two gates and internal piping/valving to facilitate maintenance. We have prepared the DEP WQM Part II Permit Application for submittal as well as the PennDOT HOP electronic application. Architectural, structural and electrical design has begun. It is the intent to bid the project at the end of April with Contract Award scheduled for the June meeting.

**Mt. Nittany Extension and Storage Tanks**

The reuse water storage tank relocation project has been halted due to cold temperatures. During the past month, we have coordinated with the contractors and various subcontractors as well as communications consultants for the establishment of the radio signal.

Additional tank requirements/recommendations, which were not included in the original capital lease, as well as Applications for Payments and Capital Lease Costs are summarized below.

***Applications for Payment***

#	Amount	Description of Work
1	\$1,800.00	Transport mulch
2	\$58,448.14	95% completion of ladders, 95% completion of internal piping, 20% completion of electrical and control work
<b>\$60,248.14</b>		<b>TOTAL TO DATE</b>

***Summary of Costs***

	CO#	Amount	Notes
<b>\$1,300,000.00</b>			<b>Original Capital Lease</b>
	--	+ \$1,800.00	Add to transport mulch
	1	+ \$50,000.00	Add safety to access ladder, internal piping for fill/withdraw
	2	+\$54,740.70	Add Electrical, Instrumentation, Controls
	total	\$106,540.70	
<b>\$1,406,540.70</b>			<b>Capital Lease to Date</b>

**Constructed Wetlands**

HRG is preparing the design for the wetland construction which includes two stream augmentation discharges. The following lists permit applications:

- The second draft NPDES Permit has been received which addressed some of the comments we provided on the first draft. The second draft was published in the PA Bulletin. We discussed our concerns with Staff and advised PA Central Office and Northcentral Regional Office will discuss these issues and will respond in the near future. HRG provided comments to DEP Central Office and Northcentral Regional Office and coordinated a conference call to discuss the permit requirements. DEP agreed to complete a third draft based on Class A limits (as opposed to Class A+). A draft is expected shortly.
- DEP/ACE Joint Permit Application for the water obstruction - submitted.
- Chapter 102 Permit Application – completed awaiting archaeological clearance.
- The Phase 1A and Phase 1B Archaeological Surveys have been completed.
- ACE has completed their review of the project and provided DEP & PHMC clearance to continue.

We are currently working with Heberling and Associates and farmers to complete Phase 2 study in the spring due to weather related issues.

**UV Tank Cover System**

The substantial completion date is 1/25/2012 with Final Completion by 2/25/2012. The contractor has submitted a request for a time extension until May 31. After consultation with Staff, a Change Order was prepared for the extension.

**6.7 Executive Director's Report**

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

**Clearfield Treatment Plant**

UAJA has been testing to see about taking the liquid for disposal from the Bionol plant in Clearfield. We are looking at doing this on a trial bases. The liquid will need to be blended and added slowly to the treatment facility. The costs have been calculated and the "Other" sludge fee of \$144/1000 gallons is what would cover the cost. DEP has been contacted for approval. Will keep the Board informed once UAJA starts accepting this liquid.

**Centre Region Planning** is doing a "mini" 537 Plan update.

**SWAP/SWAPTION update:** The figures are still running about the same.

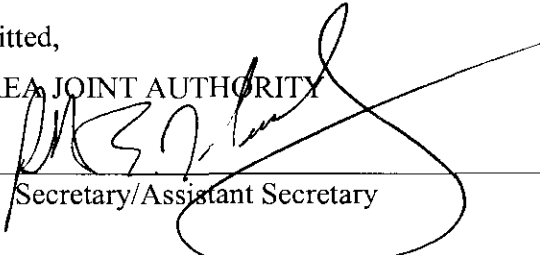
**7. Other Business**

**8. Adjournment**

The meeting was adjourned at 4:45 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

  
Secretary/Assistant Secretary