

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – November 17, 2010

1. Call to Order

Mr. Schmalz, Chairman, called the scheduled meeting of the University Area Joint Authority to order at 4:36 p.m. Wednesday, November 17, 2010.

2. Roll Call

The meeting was held in the Board Room in the office of the Authority with the following in attendance: Messrs. Dempsey, Ebaugh, Lapinski, McShea, Schmalz, 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; Richard Campbell, Solicitor; Ben Burns, Doug Weikel, Jason Fralick, Consulting Engineers; Robert Moore, Mette, Evans and Woodside, Janet Sulzer, Jason Wert & Bill Blake, Mercuria Representatives; and Kathy Wheeler, Recording Secretary.

3. Reading of the Minutes

3.1 UAJA Regular Meeting – October 20, 2010

UAJA Meeting Minutes Approved
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A motion was made by Ms. Barnes, seconded by Mr. Zeigler, to approve the minutes of the UAJA meeting held on October 20, 2010. The motion passed unanimously.

4. Public Comment or Other Items not on the agenda

Ms. Sulzer stated that the Centre Region has a zoning request for the Abramson residential tract. Centre Region and College Township have reviewed. DRI's that are on the schedule for the January/February 2011 cycle are 2 in Harris Township, 1 for the Whitehall Regional Park and one for the Everhart Farm Tract.

5. Old Business

5.1 Nutrient Trading

October 1, 2010 was the beginning of the first nutrient trading year, and also the start of UAJA's total Nitrogen limit under the Chesapeake Bay Tributary Strategy. The treatment plant is capable of meeting the limits, and even the TMDL limits which EPA may impose on UAJA as punishment for DEP not being able to meet its milestones under the tributary strategy. However, meeting the Nitrogen limit requires feeding the biological process with additional Carbon, which has an ongoing operating cost.

UAJA can produce more N reductions than we need for our own use by feeding more Carbon. If the cost of producing a pound of Nitrogen credit is less than the trading price on the market, UAJA can profit from making extra credits, or at least offset our own operating cost.

Mercuria Energy, Inc. has contacted UAJA staff concerning the possibility of purchasing UAJA N credits. Representatives of Mercuria explained to the Board how such a purchase would work, and describe in general what a purchase agreement might look like.

5.2 2011 Budget

A draft budget was provided in the packet. This iteration assumes that the quarterly rate per EDU will remain \$100. An increase of the tap fee rate is from \$4262 to \$4424. Zero percent has been budgeted for the salaries. Health insurance quotes equate to a 21% increase in rates. The budget workshop will be held on December 2 at 8 a.m. in which the committee will discuss

the budget line by line with a final draft to be presented to the Board for approval at the December meeting.

6. New Business

6.1 Contract #2010-06 Aluminum Sulfate

Bids have been received for the annual purchase of Aluminum Sulfate. The low bidder is General Chemical. There are no irregularities in any of the bids.

General Chemical	\$323.00/dry ton
Univar	\$399.00/dry ton
Holland Co.	\$475.15/dry ton

Recommendation: Award the contract to General Chemical.

**Contract #2010-06
Approved**

A motion was made by Mr. Lapinski, seconded by Mr. Dempsey, to award Contract # 2010-06 to General Chemical. The motion passed unanimously.

6.2 Contract #2010-07 Sodium Hydroxide

Bids have been received for the annual purchase of Sodium Hydroxide. The low bidder is Main Pool & Chemical. There are no irregularities in any of the bids.

Main Pool & Chemical	\$2.14/gallon
Univar	\$2.25/gallon
Barbers Chemical	\$2.553/gallon

**Contract #2010-07
Approved**

A motion was made by Mr. Zeigler, seconded by Mr. Dempsey, to award Contract #2010-07 to Main Pool & Chemical. The motion passed unanimously.

6.3 Requisitions

2010 Construction Fund #11	HRI Pay App #4 (Final)	\$27,336.41
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**Requisition
Approved**

A motion was made by Mr. McShea, seconded by Mr. Zeigler, to approve the 2010 Construction Fund Requisition #11 in the amount of \$27,336.41. The motion passed unanimously.

7. Reports of Officers

7.1 Financial Report

Mr. Smith reviewed with the Board the YTD budget report for the period ending October 31, 2010.

7.2 Chairman's Report – Nothing to 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>May 2010</u>	<u>Jun. 2010</u>	<u>Jul. 2010</u>	<u>Aug. 2010</u>	<u>Sept. 2010</u>	<u>Oct. 2010</u>
Production	782 cu/yds.	905 cu/yds.	677 cu/yds.	827 cu/yds.	874 cu/yds.	776 cu/yds.
Distribution	742 cu/yds.	1,255 cu/yds.	811 cu/yds.	932 cu/yds.	1,095 cu/yds.	2,045 cu/yds.
YTD. Production	4,505 cu/yds.	5,410 cu/yds.	6,087 cu/yds.	6,914 cu/yds.	7,788 cu/yds.	8,564 cu/yds.
Immediate Sale	2,818 cu/yds.	2,345 cu/yds.	2,439 cu/yds.	2,185 cu/yds.	1,909 cu/yds.	738 cu/yds.
Currently in Storage	3,600 cu/yds.	3,250 cu/yds.	3,116 cu/yds.	3,012 cu/yds.	2,783 cu/yds.	1,514 cu/yds.

SEPTAGE OPERATIONS

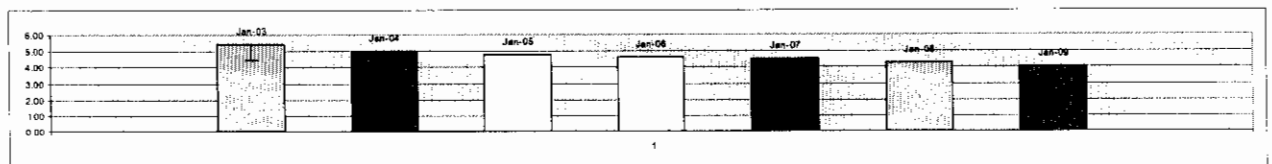
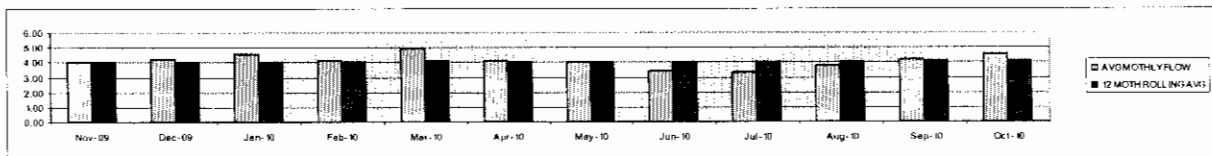
	<u>May 2010</u>	<u>Jun. 2010</u>	<u>Jul. 2010</u>	<u>Aug. 2010</u>	<u>Sept. 2010</u>	<u>Oct. 2010</u>
Res./Comm.	3,500 gals.	15,050 gals.	8,500 gals.	14,550 gals.	12,350 gals.	18,350 gals.
* Other Flow	27,500 gals.	0 gals.	72,300 gals.	71,500 gals.	136,500 gals.	423,500 gals.
CH/Potter	6,742.89 lbs/solids	4,953.96 lbs/solids	3,198.39 lbs/solids	5,515.24 lbs/solids	1,601.28 lbs/solids	5,874.69 lbs/solids
Port Matilda	1,901.52 lbs/solids	2,034.96 lbs/solids	1,968.24 lbs/solids	400.32 lbs/solids	1,467.84 lbs/solids	2,435.28 lbs/solids
Huston Twp.	467.04 lbs/solids	300.24 lbs/solids	917.40 lbs/solids	550.44 lbs/solids	850.68 lbs/solids	650.52 lbs/solids
Total Flow	108,000 gals.	81,050 gals.	138,800 gals.	141,150 gals.	182,850 gals.	509,750 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 October was 4.12mgd with the average for the month being 4.57mgd. Please see chart below.



The facility was inspected on October 14, 2010. No discrepancies were noted.

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

Plant Maintenance

- The lamps in Outfall UV Light Bank 1B were replaced
- Replaced the packing in Pump#1 at the Main Station.
- Cleaned Primary Tanks #4 and #5 at Dewatering.
- Rebuilt #2 Centrifuge.
- Cleaned the RO unit as well as the MF Units.
- Completed the flushing of the Reuse Line.
- The bearings and stub shaft on the upper auger were replaced on the Knight Mixer.
- The motor bearings were replaced on Bio Fan #5.
- The motor on Bay Fan 15A was replaced.
- We had a main switch gear fail in the Generator Bldg. We also found the cause to be three shorted feed cables to the RAS Bldg. We are working with Breon Inc. and Lion Country to get the matter resolved in a timely fashion. This will be turned in as an insurance claim.

Reuse Total

Total for 2010----- 51,794,500 gallons.

Total for October 2010-----1,731,000 gallons.

Total Reuse Water Distributed to Date-----161,024,400 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 – (0)
- (UA) Mainline Cleaning – (0 manholes inspected- 0 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)

The Wetlands project has been started and is approximately 20% complete.

(A)Construction &(B)I/I Inspection: (A)(We TV’d 983 ua/0 fta feet of mainline and inspected 5 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 0.0/Gal.). Estimated I/I-flow decreased (0gpd/= 0 EDU’s). We are continuing to monitor flow meters in the service area.

Lift Station Maintenance:

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

We cleaned grease out of 4 stations and changed oil in the pumps at 14 stations.

Inspection: Provisional As-builts Approved: None

Mainline Construction:

- a. Patton Town Center – Construction has resumed and is approximately 90% complete.
- b. Aikens-Boalsburg – Construction is approximately 30% complete.
- c. Rocky Ridge – Construction is approximately 90% complete.

New Connections:

a.	Single-Family Residential	8	c.	Commercial	0	
b.	Multi-Family Residential	0	d.	Industrial	0	
					TOTAL	8

PA One-Calls Responded to 10/1-31/10: 293

7.6 Engineer's Report

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

Retainer

HRG continues to periodically evaluate other reuse opportunities within the Centre Region. We have also consulted with UAJA Staff concerning facility operational issues.

Advanced Anaerobic Digestion Study

HRG has completed a draft of the Plan and provided to UAJA Staff for review and comment prior to finalization.

Big Hollow Interceptor Rehabilitation

A reimbursement request has been completed for the Act 537 Plan to allow for the potential granting of ±\$50,000 in project costs. Based upon recent correspondence, actual funding is not anticipated until 2011.

HRG met with UAJA Staff to review the following design documents:

- Contract 09-2: Big Hollow Forcemain Installation and Appurtenances
Provided drawings for UAJA's Construction Crew and assisted with construction material identification for ordering. Construction is anticipated to commence in spring 2011.
- Contract 09-3: Big Hollow Siphon and Highway Crossing Project
Design drawings have been revised based on comments provided by UAJA Staff and bidding documents are being prepared with anticipated bidding during January 2011.
- Contract 09-4/5/6 Big Hollow Diversion Pump Station (General, Mechanical, Electrical)
The Pump Station Building has been re-designed to a more compact size. Anticipated bidding will be in summer of 2011.

Carbon Addition Study

HRG has reviewed the findings of the previously completed Carbon Addition Study and is working with UAJA Staff to complete further investigations to lower the nitrogen discharge.

Mt. Nittany Extension and Storage Tanks

HRG continues to coordinate with UAJA Staff, Hawbaker and their contractor. We have prepared and submitted a Water Quality Management Permit to the PADEP and are addressing

comments received. The geotechnical investigation has been completed as well as the foundation design review. We are currently working on tank wall repair issues. We have also coordinated with Allegheny for power requirements.

Valley Vista Interceptor

HRG has prepared and submitted Record Drawings for the Valley Vista Interceptor.

Reuse Water Quality Assurance Plan

HRG has completed a draft of the Plan and provided to UAJA Staff for review and comment prior to finalization.

Constructed Wetlands Master Planning

HRG continues to work with a small group of personnel from UAJA Staff and the Clearwater Conservancy to characterize the existing Kissinger Meadow site and prepare a draft Plan for implementation. HRG personnel completed wetlands delineation on the property and have provided preliminary options for wetlands construction, including a soil reconstruction option to increase groundwater diffusion.

Puddintown Interceptor Construction Administration

Highlights of the Construction Phase of the Puddintown Interceptor Rehabilitation project are as follows:

Contract Summary (November 11, 2010)

Contr. No.	Contract	Contractor	Notice to Proceed	Substantial Completion Date	Time Remaining (days)
09-7	Pd Rd Interceptor Rehab	HRI, Inc.	3/5/10	7/3/10	0

Contract 09-7 (HRI, Inc.) was determined to be substantially complete on June 25, 1010. The Contractor has since completed all punchlist items.

Change Orders/Work Change Directives

The Contractor has completed most of the work associated with the PennDOT approved corrective action plan. The lane lines still remain to be painted, although, PennDOT has found the work acceptable.

Applications for Payment

The final Application for Payment is expected to be submitted after the submission of this report, but prior to the November meeting on the 17th. Therefore, HRG will make a recommendation regarding the final Application for Payment during the meeting. Since the final Application was not received prior to the preparation of this report, it is not reflected in the following table.

Contract Number	Application for Payment #	Current Payment Due	Contract Price To Date	Total Work To Date	% Monetarily Complete	Amount Remaining to Pay*
09-7	---	-----	\$468,055.00	\$449,800.00	96.1%	\$27,366.41

*Including Retainage

Record Drawings

HRG has prepared and submitted Record Drawings for the Puddintown Interceptor based on Contractor provided mark-ups and field survey of the constructed sewer line.

Cricklewood Sewer Relocation and Rehabilitation

HRG completed the field survey of the constructed system and is finalizing the Record Drawings.

Recycled Waterline Extension – Kissinger Meadow

Right-of-Way

HRG has provided revised Right-of-Way exhibits addressing additional comments by the Centre Hills Country Club (CHCC).

Permitting

HRG has provided supplemental data to PADEP for the Water Quality Management Permit as requested. The Application is currently under technical review by PADEP Staff. We also have received the GP-5 and GP-8 for the crossings of Slab Cabin as well as a Highway Occupancy Permit for the temporary driveway for access.

Construction

The UAJA Construction Crew has installed the No. 10 fairway crossing and installed the line through the detention basin as well as restoring the Branch Road crossing. HRG provided revised construction stakeout of the waterline as well as general assistance.

Solid Waste Management Permit Renewal

HRG has prepared and submitted the Permit Renewal.

7.7 Executive Director’s Report

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

Colonial Court

Mr. Miller reported that there was a report of minor cracking due to our crew pounding the rock during the installation of the reuse line over by Colonial Court. This issue has been turned over to our insurance and will be revisited by Mr. Miller in the Spring of 2011.

Redline Car Wash

The car wash on Shiloh Road has opened and will be using reuse water for the car washing and for the geothermal heating system of their facility.

8. Other Business

8.1 Executive Session to discuss personnel matters

<p>Adjourn to an Executive Session Approved</p>
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A motion was made by Mr. Lapinski, seconded by Mr. Zeigler to adjourn to an executive session at 5:15p.m. The motion passed unanimously.

<p>Return to Regular Meeting Approved</p>
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A motion was made by Mr. Lapinski, seconded by Mr. McShea, to approve return to the regular meeting at 5:30 p.m. The motion passed unanimously.

9. **Adjournment**

The meeting was adjourned at 5:30 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Bill A. Dwyer

Secretary/Assistant Secretary