

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – June 15, 2011

1. Call to Order

Due to a lack of a quorum reports to the Board and non action items were reviewed.

2. Roll Call

The following in attendance: Messrs. McShea, Schmalz, Zeigler and Ms. Barnes; Cory Miller, Executive Director, Dave Smith, Assistant Executive Director; Dick Lahr, Collection System Superintendent; Art Brant, Plant Superintendent; Jason Brown, Project Manager; Richard Campbell & Dave Gaines, Solicitors; Doug Weikel, Jason Fralick and Ben Burns, Consulting Engineers; Janet Sulzer, Centre Region Planning; Perry Mason, UAJA Employee; Tim Morgus and Brian McCall, Maher Duessel; Jason Wert, Mercuria Energy; and Kathy Wheeler, Recording Secretary.

3. Minutes

3.1 UAJA Regular Meeting – May 18 2011

Will be considered for approval at the July 20, 2011 meeting.

4. Public Comment

None

The following items were reviewed by the members in attendance without formal action being taken.

5. Old Business

5.1. Final Design Pine Hall Traditional Town Development Phase I

Final design drawings for the Pine Hall Traditional Town Development Phase I sewer extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve a commercial building at the intersection of Blue Course Drive and the new Gatesburg Road as well as existing building along Old Block Road. The review comments have been addressed.

5.2 2010 Audit

Mr. Morgus reviewed with the Board the draft audit documents that were included in the meeting packet and presented the updated management's discussion and analysis.

6. New Business

6.1 Contract 09-3 Sippel Development Co. – Change Order #1

Contractor observed that the leading casing pipe for the stream crossing bore was jeopardizing the stability of the stream bed. This Change Order will lower the elevation of the crossing by 3 feet and adjust the height of the flushing manhole accordingly. Work not to exceed an \$11,010 increase to the contract price.

6.2 Contract 09-3 Sippel Development Co. – Change Order #2

Provide a 2" ball valve tapped to the end cap of the carrier pipe on the North side of SR 322 to facilitate drainage of the force main during connection by UAJA construction crew.

6.3 Requisitions

2010 Construction Fund #22	Sippel Development Pay App #3 Bore/Siphon Project	\$306,876.78
2010 Construction Fund #23	University Area Joint Auth. Reimburse for capital purchases	\$103,534.59
BRIF #68	Seimens Industry, Inc. Microfiltration Membranes	\$97,925.00
Revenue Fund #116	Debt Service, Operating and Maintenance	\$1,000,000

7. Reports of Officers

7.1 Financial Report

Mr. Smith reviewed with the Board the YTD budget report for the period ending May 31, 2011.

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>Jan. 2011</u>	<u>Feb. 2011</u>	<u>Mar. 2011</u>	<u>Apr. 2011</u>	<u>May 2011</u>	<u>Jun. 2011</u>
Production	732 cu/yds.	811 cu/yds.	802 cu/yds.	701 cu/yds.	812 cu/yds.	
YTD. Production	732 cu/yds.	1,543 cu/yds.	2,345 cu/yds.	3,046 cu/yds.	3,858 cu/yds.	
Distribution	0 cu/yds.	0 cu/yds.	386 cu/yds.	708 cu/yds.	628 cu/yds.	
YTD. Distribution	0 cu/yds.	0 cu/yds.	386 cu/yds.	1,094 cu/yds.	1,722 cu/yds.	
Immediate Sale	0 cu/yds.	0 cu/yds.	811 cu/yds.	884 cu/yds.	957 cu/yds.	
Currently in Storage	2,309 cu/yds.	2,388 cu/yds.	1,613 cu/yds.	1,585 cu/yds.	1,769 cu/yds.	

SEPTAGE OPERATIONS

	<u>Dec. 2010</u>	<u>Jan. 2011</u>	<u>Feb. 2011</u>	<u>Mar. 2011</u>	<u>Apr. 2011</u>	<u>May 2011</u>
Res./Comm.	8,100 gals.	0 gals.	3,000 gals.	3,000 gals.	3,600 gals.	18,450 gals.
* Other Flow	176,000 gals.	0 gals.	0 gals.	147,660 gals.	191,700 gals.	59,400 gals.
CH/Potter	5,808.81 lbs/solids	4,532.79 lbs/solids	6,713.70 lbs/solids	6,655.32 lbs/solids	6,380.10 lbs/solids	7,047.30 lbs/solids

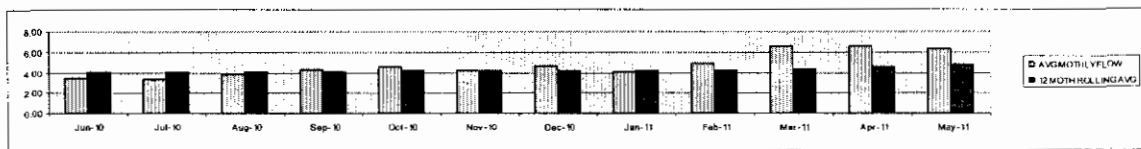
Port Matilda	583.80 lbs/solids	447.13 lbs/solids	2,251.80 lbs/solids	1,017.48 lbs/solids	2,201.76 lbs/solids	2,368.56 lbs/solids
Huston Twp.	467.04 lbs/solids	0 lbs/solids	400.32 lbs/solids	533.76 lbs/solids	567.12 lbs/solids	450.36 lbs/solids
Total Flow	241,300 gals.	55,000 gals.	79,600 gals.	226,160 gals.	263,300 gals.	164,350 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 May was 4.73mgd with the average for the month being 6.35mgd. Please see chart below.



There were no inspections this month.

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

Plant Maintenance

- Repaired roof leaks at the Headworks Bldg. and the Control Bldg.
- The Utility water line developed a leak outside of the old Sulfur Dioxide Bldg. A two inch valve had to be replaced.
- Tuthil Blower #2 failed and was sent out to be rebuilt.
- Serviced Primary Tanks 1 through 4.
- Aeration Mixer NM-504 failed and was sent out to be rewound.
- The '01 van, T-Tag, and '89 Chevy were inspected.
- Square D Service inspected and adjusted the Bio-Fan soft starts units. They also checked the Accu-sine units. The generator Accu-Sine was repaired and parts ordered for the units in the RAS and AWT Bldgs. The unit in Dewatering is beyond repair and will be budgeted for replacement next year.

Reuse Total

Total for 2011----- 7,172,500 gallons.
 Total for May 2011-----2,146,500 gallons.
 Total Reuse Water Distributed to Date-----169,581,900 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 – (1)
- (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 completed restoration of the reuse line across the golf course and meadow. We started brushing and clearing operations for the Big Hollow project, which is next on our list. We also did some maintenance on equipment.

(A)Construction &(B)I/I Inspection: : (A)(We TV'd 983 ua/560 fta feet of mainline and inspected 7 ua/5 fta MH's .) (B)Tested/Grouted – (MH's grouted 8 fta 0 /Joints tested 0 fta 0 /grouted 0 fta 0) (Grout used 478.0/Gal.). Estimated I/I-flow decreased (138,240gpd/= 790 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 the wet-wells. We had to replace the electrical service (underground) for the Outer Dr. station.

West Penn is now the proud owner of this line rather than UAJA. We had to man the portable generator at that station for the entire Memorial Day Holiday weekend (Fri. night until Tue. forenoon).

Inspection: Provisional As-builts Approved: None

Mainline Construction:

- a. Aikens-Boalsburg – Construction is approximately 75% complete and should restart soon.
- b. Rocky Ridge, ph1 – Construction is approximately 95% complete and put on hold by the Developer.
- c. Waddle Heights – Construction is complete and we are awaiting As-built revisions.
- d. Hospital Expansion – New lateral construction is approximately 95% complete.

New Connections:

a.	Single-Family Residential	6	c.	Commercial	0	
b.	Multi-Family Residential	0	d.	Industrial	0	
					TOTAL	6

PA One-Calls Responded to 5/1-31/11: **286**

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 is currently reviewing pumping conditions at the Ghaner Pumps Stations to determine if long term operation of both force mains out of Ghaner Pump Station No. 2 would deleteriously impact the pumps or other facilities.

HRG is currently reviewing options to enhance the accuracy of the effluent meters.

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 later in 2011.

- **Contract 09-2:Big Hollow Forcemain Installation and Appurtenances**
 HRG provided detail drawings, sample specifications and performance bonds to assist UAJA Staff in material procurement. HRG provided assistance with the review of received bids and submitted material data provided by the potential suppliers. A Pre-Construction Meeting with PSU was held on April 5, 2011. Stake-out of the forcemain was completed for use by the UAJA’s field crew.
- **Contract 09-3:Big Hollow Siphon and Highway Crossing**
 Highlights of the Construction Phase of the Big Hollow Siphon and Highway Crossing project are as follows:

Contract Summary (as of June 8, 2010)

Contr. No.	Contract	Contractor	Notice to Proceed	Substantial Completion Date	Time Remaining (days)
09-3	Big Hollow Siphon/Hwy Crossing	Sippel Development Co., Inc.	3/15/11	7/13/11	35

- Job Conference Number 3 was held on June 8, 2011.
- The Spring Creek stream crossing has been installed.
- The additional siphon barrel (24” DIP) has been installed, with the exception of the chamber tie-ins.
- Approximately 230 L.F. of casing pipe has been installed under I-99/SR-322.
- The Siphon Inlet and Outlet chamber modifications are proceeding.

Change Orders/Work Change Directives

WC D#	Estimated Amount	Reason
1	+ \$11,010.00	As discussed during the April meeting, to lower the Spring Creek crossing to reduce potential impacts to the stream bed.
2	\$0	Relocate the Siphon Flushing Chamber to the opposite side of Spring Creek
3	\$0	Replace the tee within the Flushing Chamber with a tapping saddle to reduce space constraints and to provide future flexibility for repairs
4	\$0	Adjust the launching and receiving elevations of the casing pipe under I-99/SR-322 to avoid conflicts with existing utilities

CO#	Estimated Amount	Reason
1	+\$11,010.00	Incorporation of WCD No. 1 into a Change Order
2	+\$616.28	Facilitate drainage of force main during connection by UAJA Construction Crew

The Contractor has submitted a request for Change Order Number Three in the amount of +\$5,720.00, claiming additional casing pipe was required to complete the Spring Creek crossing. HRG is currently reviewing this request with the Authority’s Staff and the on-site inspector.

Applications for Payment

Application for Payment Number Two has been received and reviewed. Payment is recommended as summarized in the following table:

Contract Number	Application for Payment No.	Current Payment Due	Contract Price To Date	Total Work To Date	% Monetarily Complete	Amount Remaining to Pay*
09-3	3	\$306,876.78	\$815,000.00	\$473,794.38	58.1%	\$388,585.06

*Including Retainage after Current Payment Due

- 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. The diversion chamber has been re-designed to accommodate its relocation, pump selection is being confirmed and electrical/control design has commenced. Anticipated bidding will be during the summer of 2011.

Carbon Addition Study

HRG has updated the previously completed Carbon Addition Study and stand ready to assist UAJA Staff to complete further investigations to lower the nitrogen discharge. Denitrification monitoring data is reviewed as it is received.

Mt. Nittany Extension and Storage Tanks

The Water Quality Management Permit was received for the project. A coordination meeting was held with GOH on April 11 prior to re-start of construction. We are also coordinating the power service and control equipment manufacture.

Reuse Water Quality Assurance – Quality Control Plan

We continue to respond to minor PA DEP questions/comments concerning the Water Quality Management Permits.

Constructed Wetlands Master Planning

HRG is preparing the design for the wetland construction which includes two stream augmentation discharges. During the past month, we have assisted UAJA Staff in presentations to College Township Park & Rec Committee and Council about the project. The following lists permit applications:

- NPDES Permit Application - submitted to PA DEP for the two stream augmentations and wetland discharges.
- DEP/ACE Joint Permit Application for the water obstruction - submitted.
- Chapter 102 Permit Application – completed awaiting submittal.

Based on notice from PA Historical and Museum Commission for the DEP/ACE Joint Permit, we have been coordinating a Phase 1A and Phase 1B Archaeological Survey with Heberling and Associates.

Recycled Waterline Extension – Kissinger Meadow

- a. Permitting- HRG has responded to minor PADEP comments concerning the Water Quality Management Permit which will be issued once the NPDES is issued. Other required permits have been obtained.
- b. Construction - UAJA Construction Crew completed installing the line with restoration efforts to complete at the Kissinger Meadow. HRG provided construction stakeout of the waterline as well as general assistance.

UV Tank Cover System

A letter of intent to install a cover system on the UV Tank was sent to the PADEP. The PADEP found this level of notification acceptable. Cover System drawings have been prepared and HRG is currently working to develop the project manual.

7.7 Executive Director's Report

Mr. Miller, Executive Director had no additional comments to add to his written report.

Reuse Water for Gas Well Hydrofracturing

The Susquehanna Basin Commission (SRBC) has approved Exco Energy's application to use up to 400,000 gallons per day of UAJA's high purity water for hydrofracturing operations in Pennsylvania.

Mr. Miller informed the Board that on Torrie lane the property owners were given sewer assessments. The west side of the street was left out of the Act 537 Plan. Harris Township is reviewing this. IF the area is not in the sewer service area do the owners get a refund and if so who pays the refund, UAJA or Harris Township?


8. Other Business

9. Adjournment

The meeting was adjourned at 5:00 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY


Secretary/Assistant Secretary