

MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801
Regular Meeting – May 16, 2007

1. Call to Order

Mr. Schmalz called the scheduled meeting of the University Area Joint Authority to order at 4:00 p.m. Wednesday, May 16, 2007. The meeting was held in the Board Room in the office of the Authority.

2. Roll Call

Messrs. Coe, Dempsey, Dietz, DeWolfe, McShea, Schmalz, Spac, Zeigler and Ms. Barnes were present. Also present were Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Jason Brown, Project Manager; Dick Lahr, Collection System Superintendent; Jason Wert, HRG; Mark Whitfield, Borough of State College; Janet Sulzer, Centre Regional Planning Liaison; and Kathy Wheeler, Recording Secretary.

3. Reading of the Minutes

3.1 UAJA Regular Meeting – April 18, 2007

The Board considered the UAJA minutes of the Regular Meeting held on April 18, 2007.

<p>UAJA April 18, 2007 Meeting Minutes Approved</p>

A motion was made by Mr. Zeigler, seconded by Mr. Dempsey, to approve the minutes of the UAJA meeting held on April 18, 2007 with corrections. The motion passed unanimously.

4. Public Comment

4.1 None

5. Old Business

5.1 Final Design – The Gables at Foxpointe PRD Section 1C- Phase 1

Final design drawings for the Gables at Foxpointe sewer extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 76 EDU's in the condominium development. The review comments have been addressed for the sewer system.

<p>Final Design- The Gables at Foxpointe Approved</p>
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A motion was made by Mr. Coe, seconded by Mr. Dempsey, to approve the Final Design – The Gables at Foxpointe PRD Section 1C-Phase 1. The motion passed unanimously.

5.2 Final Design – Geisinger Medical Clinic Phase I

Final design drawings for the Geisinger Medical Clinic Phase I sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 20 EDU's in the medical clinic. The review comments have been addressed for the sewer system. Following a lengthy discussion, the board created a committee of Mr. Dietz, Mr. DeWolfe and Mr. Dempsey to review the application for connection for the Geisinger Medical Clinic Phase 1.

<p>Final Design - Geisinger Medical Clinic Phase I Approved</p>
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A motion was made by Mr. McShea, seconded by Mr. Dietz, to approve the Final Design – Geisinger Medical Clinic Phase I with the Board of Director's committee review of the industrial waste questionnaire, when submitted. The motion passed unanimously.

5.3 Request for change of EDU assignment – 908 W Beaver Ave

A letter was received from the property owners of 908 W Beaver Ave. The property is divided into four efficiency apartments. The property was recently purchased as an investment property. A copy of the letter is included in the board member packets. The current billing is consistent with the rate resolution. Mr. Miller explained to the board that this was previously a 2 unit apartment building that the current owner has now made into four small efficiency apartments. The Rate Resolution calls for these type of units to be billed at a half an EDU; therefore, the charges will be adjusted back to 2 EDU's. There is no definition of an "efficiency apartment" in the Rate Resolution so the Board will need to take action on an amendment to the Rate Resolution at their next meeting. No further action is required regarding this request.

5.4 Scott Road Pump Station Contract 06-8 and 06-9

Bids were opened Friday, May 11th. A bid tabulation and recommendation was available at the board meeting. Mr. Wert explained to the board that the low bidder for the electrical had requested to withdraw their bid due to a mathematical error. (The price for the emergency generator was not extended.) Mr. Wert then recommended the Board award Contract 06-8 General Construction to 4-M Construction Services Company of Mifflintown, PA for \$335,000 and Contract 06-9 Electrical Construction to Hickes Associates, Inc. of Alexandria, PA for \$157,100.

**Scott Road Pump
Station Contract 06-8
and 06-9 Awarded**

A motion was made by Mr. Zeigler seconded by Mr. DeWolfe, to award Contract 06-8 to 4-M Construction Services Company and Contract 06-9 to Hickes Associates, Inc. The motion passed unanimously.

6. New Business

6.1 Residential Reuse Water Project – Matilda Avenue (College Twp)

College Township asked the developers of a parcel of land along Matilda Avenue (see enclosed drawing) to contact UAJA concerning the feasibility of using reuse water for heating and cooling the homes within the development. Tom Songer and Barry Begoumian met with UAJA and are interested in pursuing an Energy Harvest grant through DEP. UAJA will work with the developer to prepare and submit the grant application. Grant applications are due by June 15th.

**Preparation and
Submittal of an Energy
Harvest grant
application
Approved**

A motion was made by Mr. Dietz, seconded by Mr. DeWolfe, to formally endorse the preparation and submittal of an Energy Harvest grant application through DEP. The motion passed unanimously.

6.2 Requisitions

05 Const. Fund-Req. #43	Kukurin - #5	\$ 253,098.88
05 Const. Fund-Req. #44	HRG – Construction Mgmt.	\$ 15,353.72

**Requisitions
Approved**

A motion was made by Mr. Coe, seconded by Mr. Zeigler, to approve the requisitions for the 05 Construction Fund # 43-44. The motion passed unanimously.

- The ceiling power box for composter #2 was reinstalled.

Septage Operations

We currently have five septage haulers under a UAJA septage hauler permit. The current septage rate is \$54.00/1000 gallons for residential/commercial septage and \$2.84/100 gallons for municipal sludge. Flow through the septage facility for the month of April was as follows:

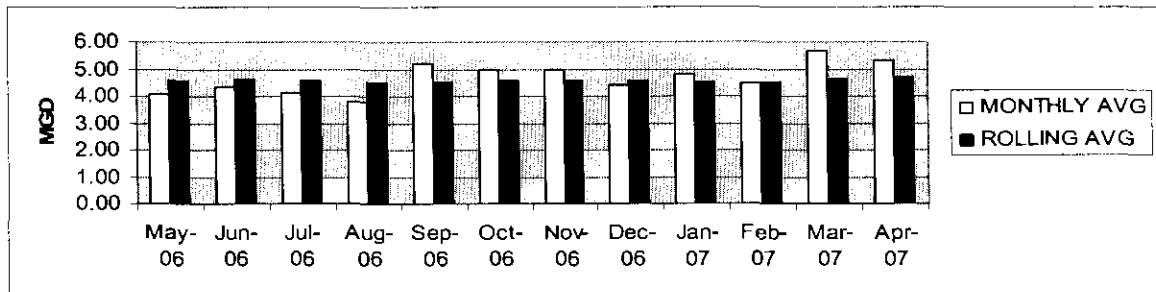
<u>Residential/Commercial Septage-</u>	27,750 gallons
<u>Centre Hall/Potter Treatment Plant-</u>	52,650 gallons
<u>Port Matilda Treatment Plant-</u>	16,000 gallons
<u>Huston Township Treatment Plant-</u>	10,000 gallons

7.4 Plant Superintendent’s Report

The following comments are as presented to the Board in the written report prepared by Arthur Brant, Plant Superintendent. This was an informational item only, no action required.

Plant Operation

The treatment plant is operating well with one exception to our NPDES permit. Once again we are over our phosphorus limits. I believe this was due to an excessively high reading of 1.29 recorded on April 11th. Had this been a normal reading we would have been within our limits. It was reported to DEP which waived the five day written submission. The 12-month rolling average flow for April was 4.68mgd with the average for the month being 5.30mgd. Please see chart below.



There were no inspections by DEP this month.

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

Plant Maintenance

- Cleaned and serviced the Skimmer Drive over-torque clutches and replaced shorted wiring in Primary Drives #1 and #2 over-torque shutdown switches.
- Replaced the reversing contactors in the Auma Valve for Aeration Train#3 - Zone#1.
- Replaced the diaphragm in Alum Pump #2.
- Serviced the mixers in Aeration Train #1.
- The sump pump on the dry side of the Main Station was replaced under warranty.
- The check valve in the sump discharge line at the Main Station was replaced.
- Made minor repairs to the air diffusers, water bleed-off, and replaced the coupler in the main airline for Aeration Train #1. This unit was then put on-line and Train #2 was taken off-line.
- Vulcain performed the semi-annual calibration of the air monitors in the Headworks Bldg.

- Joe Berrena Mechanicals removed Headworks Heater HW-3. This heater is being recalled by the manufacturer because of a glycol mixture problem. This is being done under warranty.
- A water supply line was added to the RO Flush Tank. This allows the ability to fill the tank with re-use water utilizing the High Service Pumps.
- U.S.Filter inspected the CMF's and made changes to the PLC program that the staff requested.
- In our efforts to assist State College Borough Water in the cleaning of their fluoride tanks, we inadvertently caused problems with the RO system. The fluoride was put into a manhole near the end of our collection system and was diluted. However the quantity still had an adverse effect on the Re-Use System. The fluoride concentrated in the second array of the RO unit causing the pressure to increase dramatically. With assistance from Nalco it was determined that a cleaning needed to be done to the second array and keep the system shut down while the fluoride worked its way through our treatment process. The RO was put on-line three days later and has been operating under normal conditions since.

The maintenance staff attended a 4-hour seminar on arc flashing sponsored by Friedman Electric. It was informative and emphasized the need for safety while working in and around high voltage.

The Authority participated in the "Take Your Child to Work Program" with four students participating in the program.

These items were completed along with preventative maintenance around the entire plant.

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. This was an informational item only, no action required.

MAINLINE MAINTENANCE:

(UA) Lateral Installations – (0)

(UA) Lateral Repairs – (3) 2197 N. Oak Ln., 630 Wayland Place, 1351 Park Hills Ave.

(UA) Mainline Cleaning – (4) manholes inspected- 800 feet cleaned)

(UA) Mainline Repairs – (2) 1635 Princeton Dr., 114 Wildot Dr.

(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 – (1) Harold St.

(FTA) Manhole Casting Repairs – (1) Harold St.

We started clearing the ROW for the Linn St Back-lot project. We installed a new storm drain at the Scott Rd. Lift Station. We cleaned up a major overflow at the Oakwood bypass crossing location, which appeared to be caused by a combination of construction fill material and grease.

I/INSPECTION: (A)(We TV'd 0 ua/0 fta feet of mainline and inspected 0 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 replaced the dehumidifiers at Douglas Drive and Patton Forest. We replaced the mechanical seal in the #1 pump at Douglas Drive.

INSPECTION: Provisional As-builts Approved: None

Mainline Construction:

- a. Innovation Park Extension ~ Expected to start soon.
- b. Liberty Hill, Ph 1 – Expected to start soon

New Connections:

a.	Single-Family Residential	16	c.	Commercial	0	
b.	Multi-Family Residential	0	d.	Industrial	0	
					TOTAL	16

7.6 Engineer's Report

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

Beneficial Reuse

Stage 6 Additions and Modifications Construction Phase

Allan A. Myers, Inc. (Contract 02-1) has executed and returned the Final Change Order for the Project. Closeout has been completed for all four contracts.

Stage 8 Additions and Modifications Construction Phase (Transmission Main Phase IA)

Highlights of the Construction Phase of the Transmission Main Phase IA project are as follows:

Contract Summary (May 11, 2007)

Contr. No.	Contract	Contractor	Notice to Proceed	Substantial Completion Date	Time Remaining (days)
06-4	Transmission Main IA	D&M Contracting, Inc.	11/17/06	5/1/07	-10
06-5	Booster - General	Kukurin Contracting, Inc.	11/9/06	5/1/07	-10
06-6	Transmission Main IA	Robert P. Lepley Electric	11/9/06	5/1/07	-10

Contract 06-4 Transmission Main IA

- Transmission Main has been constructed and tested from the connection to Phase I (at corner of Struble and First Avenue) to near the intersection of Pike Street and Limerock Terrace (vicinity of Sheetz).
- All of the Railroad Borings have been successfully completed.
- Directional Drilling under SR 322 has not been successfully resolved and the Contractor has requested a Highway Occupancy Permit be filed to allow for the removal of the boring tool.
- Directional Drilling under Spring Creek is approximately 70% complete and pipe pullback is schedule for May 14, 2007.

Contract 06-5 Centre Hills Booster Pump Station General Construction

- Building structural is complete and the roof is 90% complete. Cupola and exhaust fans are slated for installation the week of May 14, 2007
- HVAC and mechanical work is ongoing.

- Interconnection with Bikepath Work has been completed and is awaiting pressure testing and disinfection.

Contract 06-6 Centre Hills Booster Pump Station Electrical Construction

- Electrical Ductbank Installation is 50% complete

Change Orders/Work Change Directives

None at this time.

Applications for Payment (All Projects):

One payment application is presented for Authority action. HRG recommends execution of Payment Application #5 for Kukurin Contracting, Inc. in the amount of \$253,098.88.

Contract Number	Application for Payment #	Current Payment Due	Contract Price To Date	Total Work To Date	% Monetarily Complete	Amount Remaining to Pay*
06-4	n/a	\$0.00	\$2,681,333.50	\$1,315,325.66	49%	\$1,431,774.12
06-5	5	\$253,098.88	\$1,102,363.00	\$679,517.60	62%	\$456,821.28
06-6	n/a	\$0.00	\$147,300.00	\$ 0.00	0%	\$147,300.00

*Includes 5% Retainage

Electronic Operations and Maintenance Manual

HRG has completed the scanning of numerous of the Operations and Maintenance Manuals and has met with the Operations staff to discuss the organization and layout of the interface. Operational text and descriptions have been completed for 90% of the unit processes and HRG has provided UAJA staff a preliminary listing of the documents to be scanned directly to the manual. Document scanning will be completed in May 2007 and work will begin on final layout of Manual.

Stage 6 and Stage 7 Record Drawings

HRG anticipates completion of a draft set of all record drawings for Authority review the week of May 14, 2007. Following a review by UAJA and HRG staff, the final record drawings will be delivered and scanned for use.

Scott Road Pump Station Improvements

Bids are due on May 11, 2007 at 3PM and results will be provided for review at the May Board Meeting.

Energy Production Feasibility Study

Work is ongoing on the Energy Production Feasibility Study and we continue to work with staff for possible grant opportunities.

Circleville Road - Blue Course Drive Wastewater Feasibility Study

HRG met with UAJA staff regarding the Circleville Road – Blue Course Drive Wastewater Feasibility Study and reviewed the preliminary capital and operations cost estimates. Based upon some recommendations from Staff and the completion of a benefit analysis, HRG will present the draft results at the June Board Meeting.

Carbon Addition Pilot Testing and Feasibility Study

Once the carbon addition chemicals are present on-site, work will begin on the Pilot Testing and Feasibility Study.

NPDES Permit Renewal and Modifications

Awaiting comments from the PADEP.

Big Hollow Interceptor Rehabilitation

The aerial and field surveys have been completed for the Big Hollow Interceptor Rehabilitation and HRG is preparing detailed basemapping for review and discussion at the June Board Meeting.

Western Patton Township Flow Study and Basis of Design

HRG has completed the sanitary sewer model for the Western Patton Township Flow Study and has prepared a summary report for Authority review on the projected flows and pumping station capacities. HRG will be reviewing the field conditions and current infrastructure needs for each of the pump stations in the coming weeks.

Linn-Harris Backlot Sewer Project

HRG will prepare Record Drawings from information provided by the Authority upon completion of the project.

Western Patton Township Interceptor Design

Aerial photography has been secured and completed and HRG will be completing the field survey work in the next several weeks. A draft permit application will be prepared for June submission to the PADEP. Additionally, HRG was able to secure detailed mapping of the landfill cells and will make a presentation to the Board at the meeting.

7.7 Executive Director's Report

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

Centre Region Act 537 Plan

The Centre Region Act 537 Plan has been reviewed by DEP and will be approved once Benner Township adopts a resolution approving the plan. This is required because the properties along Shiloh Road are partially within Benner Township.

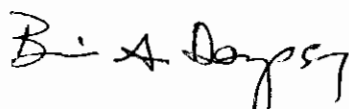
8. Other Business -None

9. Adjournment

The meeting was adjourned at 5:45 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY



BRIAN DEMPSEY
Secretary