

## MINUTES

### UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

#### Regular Meeting – January 21, 2004

#### 1. Call to Order

Mrs. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:04 p.m. on Wednesday, January 21, 2004. The meeting was held in the Board Room in the office of the Authority.

#### 2. Roll Call

Messrs. Coe, Klapac, Lapinski, McShea, Schmalz, Schwab and Mrs. Bressler were present. Also present were Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Steve Welch, Project Manager; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Doug Weikel, HRG; Dick Campbell, Solicitor; Mark Whitfield, State College Borough; Dan Abruzzo, CBICC; Tom Songer, Heritage I; John Sepp, Penn Terra Engineering; Steve Balkey, Ameron Construction; Joe Lichty, and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reorganization of Officers

Mrs. Bressler turned the meeting over to Mr. Miller to begin the election of officers.

Appointment of Chairman
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A motion was made by Mr. Coe, seconded by Mr. Klapac, to appoint Mrs. Bressler as Chairman. The motion passed unanimously.

Mr. Miller turned the meeting back over to Mrs. Bressler for the remaining election of officers.

Appointment of Vice-Chairman
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A motion was made by Mr. Coe, seconded by Mr. Schwab, to appoint Mr. Schmalz as Vice-Chairman. The motion passed unanimously.

Appointment of Secretary and Assistant Secretary
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A motion was made by Mr. Schwab, seconded by Mr. Klapac, to retain Mr. Dempsey as Secretary and Mr. Coe as Assistant Secretary. The motion passed unanimously.

Appointment of  
Treasurer

A motion was made by Mr. Schwab, seconded by Mr. Lapinski, to appoint Mr. Klapac as Treasurer. The motion passed unanimously.

Appointment of  
Assistant Treasurer

A motion was made by Mr. Schmalz, seconded by Mr. Schwab, to appoint Mr. Lapinski as Assistant Treasurer. The motion passed unanimously.

Staff and Advisors  
Appointed

A motion was made by Mr. Coe, seconded by Mr. Schwab, to approve the staff and advisors as presented. The motion passed unanimously.

**4. Reading of the Minutes**

**4.1 UAJA Regular Meeting – December 17, 2003**

The Board considered the UAJA minutes of the Regular Meeting held on December 17, 2003;

UAJA  
December 17, 2003  
Meeting Minutes  
Approved

A motion was made by Mr. Coe, seconded by Mr. Schwab, to approve the minutes of the UAJA Regular Meeting held on December 17, 2003 as presented. The motion passed by majority vote with Mr. McShea abstaining from the vote.

**5. Public Comment Period**

- 5.1 Mr. Balkey stated that there have been concerns over having property owners coming to UAJA to sign for the connection permit. This has been a hardship especially if the property owner lives out of town. Mr. Miller responded that the Authority has always accepted power of attorney to enable an out of town customer to appoint someone on their behalf to sign for the permits and that recently a blank form has been drafted and will be put on the web page.

Discussion was held regarding conditional approval of design drawings which would allow the construction process to begin without waiting for Board approval at their next meeting when there are minor deficiencies in the design drawings. Mr. Miller informed that this is currently being done at the sole discretion of Mr. Lahr.

The deadline of 30 days prior to the Board meeting for submission of drawings sometimes has consulting firms meeting the deadline when their drawings are not going to meet the specs. The review process can move more quickly when good quality drawings are submitted and when a large quantity of drawings are not all submitted exactly 30 days prior to the meeting date. Drawings are reviewed first in first out with the understanding that larger projects will take longer in the review process. The Water Quality Management permit needs to be issued prior to

the start of the project. Once the sewer extension agreement is approved and signed at the Board meeting the WQM permit can then be issued and a job conference held. Then a project can begin.

Mr. Sepp stated that asbuilt plan review is where the delay seems be the problem. In order to get building permits sewers have to be installed and the asbuilt drawings approved. If there is a financial hardship, a request can be made to allow building to begin without the issuance of the sewer permit. UAJA has the control as it doesn't have to sign the code card if the drawings are not right. The main question is whether construction can begin on residential buildings like UAJA allows on commercial properties if asbuilt drawings are not through the review process. Mr. Miller responded that this tends to lead to conflicts with the sewer line contractor and building contractors on the project. Home owners want to hold UAJA accountable for not allowing them to move into their homes when they are complete because the drawings are not through the review process or a house is built without knowing the correct elevations and the home needs to have a grinder pump to get service. Mr. Lahr presented the Board with a package that contains the standard specification policy what the requirements are for UAJA.

Discussion was also held regarding volumetric tap fees and that Mr. Songer had recently paid tap fees for new office building under protest and would like the difference in costs of the EDU's that the State College Borough Water Authority has assessed and the EDU's that UAJA has assessed returned to him.

Executive Session Held

A motion was made by Mr. Lapinski, seconded by Mr. Schwab, to adjourn to an executive session at 4:50 p.m. The motion passed unanimously.

Executive Session Held

A motion was made by Mr. Schwab, seconded by Mr. Lapinski, to return the regular meeting from the executive session at 5:15 p.m. The motion passed unanimously.

Following the executive session, Mrs. Bressler informed the public that a sub-committee will be formed to review the request by Mr. Songer for return of tap fees, tap fee charges based on volumetric basis and to obtain a legal opinion on the current tap fees schedule being assessed by UAJA.

## 6. Reports of Officers

### 6.1 Financial Report

The Financial Report for the period ending December 2003 was presented to the Board for their review.

Mr. Miller reported on Mr. Smith's behalf. The year 2003 finished with an approximate \$10,000 shortfall of revenues collected versus what was projected and the overall expenses were approximately \$300,000 less than anticipated. The new auditing firm will begin the audit

in February. The auditor was in last week to go over preliminary information needed for the audit.

## **6.2 Chairman's Report**

No report.

## **6.3 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 continues to operate well with one exception to our NPDES permit. We were again out of compliance for Total Suspended Solids; over 10 mg/l as max week. This is due to the tertiary filters being off line. Adjustments have been made in an attempt to correct the problem but to no avail. The DMR for December will reflect this violation. I supply monthly updates with DEP on the progress of the filter replacement schedule. The 12-month rolling average flow for December was 5.41 mgd with the average for the month being 5.54 mgd.

John Sengle of DEP visited the facility on January 13, 2004, for a routine inspection. It is noted in his report of our non-compliance for TSS.

Treatment units on line are as follows: primary clarifiers #2, and #3; aeration basins #1 and the new aeration basin; secondary clarifiers' #1, #2 and #3; and tertiary filters by-passed.

### **Plant Maintenance**

#### **Plant General**

- Ran temporary electric line on the street lighting going up the hill. There was excavating in the area that may have caused a short in the underground wiring. The line will be buried at a later date.
- Heat pump #5 in the Control Bldg. failed. We have received an estimate from Foust to repair the unit and a replacement cost.
- Replaced the chain and control solenoid in the master controller on the entrance gate.

#### **Primary Building**

- Utilized "BIG RED" to unplug scum line to Dewatering.

#### **Dewatering**

- The blower room was repainted.
- Replaced Blower #4 with a new unit. The unit taken off line will be sent back to the factory for warranty repairs.
- We received and installed parts needed to repair WAS feed pump #1.
- Cleaned diffusers in tank #6.

#### **Main Station**

- Installed drain lines for the new pumps.

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

## 6.4 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 – (1) 618 Stoneledge Rd.
- (UA) Lateral Repairs – (1) 424 Park Ln.
- (UA) Mainline Cleaning – (27) manholes inspected- 3394 feet cleaned)
- (UA) Mainline Repairs – None
- (UA) Manhole Repairs – None
- (UA) Manhole Casting Repairs – (19)
- (FTA) Lateral Installations – None
- (FTA) Lateral Repairs – None
- (FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)
- (FTA) Mainline Repairs – None
- (FTA) Manhole Repairs – None
- (FTA) Manhole Casting Repairs – None

We performed maintenance on all of the equipment. All of the vehicles went through “spring cleaning”. We also prepared a new stockpile site near our Maintenance building for storage of materials.

**I/I Inspection** (We TV’d 2416 ua/0 fta feet of mainline and inspected 24 ua/0 fta MH’s .)  
Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)

We are continuing to monitor flow meters in the service area. Most of the time was spent doing cleaning and televising of mainline.

### Lift Station Maintenance

Routine maintenance and general housekeeping was completed and all stations are reported to be operating normally. We experienced operational problems with the pumps at the Scott Rd. (Ferguson) station. The manufacturer is working with us to resolve the issues.

### Inspection

Preliminary As-builts Approved: Premier Theatre Sewer Relocation, Tradition Point, Ph2, Sec1B

#### Mainline Construction:

- a. Hillside Farms Offsight Extension - Construction is complete. Reviewing As-builts.
- b. Hillside Farms 2A – Construction is complete. As-builts are being reviewed.
- c. Valley Vista Park Phase 3B – As-builts have been received & are under review.
- d. Foxpointe Phase 4 – Construction is complete. Reviewing As-builts.
- e. Somerset Phase 2 – Construction is complete, TV’d and waiting for As-builts.
- f. Marywood(Hunterwood Way North/South) – Construction is complete. Reviewing As-builts.
- g. Mary Elizabeth St. Extension – As-builts have been submitted and are being reviewed.
- h. Golden Orchards Estates – Construction is approximately 75% complete.
- i. Landings ph4,sec3 – Construction is approximately 70% complete.
- j. Sterns Crossing – Construction has started.
- k. Innovation Blvd/PSU – Construction is set to start soon.
- l. Cottonwood Drive – Construction is set to start soon.
- m. Lexington Place Ph3 – Construction has started.

#### New Connections:

a.	Single-Family Residential	21	c.	Commercial	1
b.	Multi-Family Residential	0	d.	Industrial	0
					TOTAL 22

## **6.5 Construction Projects Report**

The following comments are as presented to the Board in the written report prepared by Stephen T. Welch, Project Manager.

Construction progress is back to normal after the holiday shutdown period. The general contractor is working on the tertiary filter rehabilitation in addition to their other activities. As you can see they have diverted flow to new aeration unit #1. This was a major milestone in the project.

We have for Board approval tonight eight pay applications drawn on the construction fund for a total of \$1,915,170.52.

The pay applications are as follows:

Contract 02-1 General Construction-Allan A. Myers  
Application #19- \$1,523,910.99

Contract 02-2 Plumbing & Heating-Robert Johnson  
Application #9-\$27,616.30

Contract 02-3 HVAC-G. M. McCrossin  
Application #13-\$102,059.45

Contract 02-4 Electrical-Bob Biter Electric  
Application #17-\$111,156.18  
HRG Construction Management  
Application #19-\$21,811.68

HRG Construction Management  
Application #20-\$18,319.39

HRG Construction RPR  
Application#18-\$60,535.30  
HRG Construction RPR  
Application#19-\$49,761.23

The second centrifuge has been installed and is nearing startup. The compost facility superstructure continues to take shape. The contractor has started excavation for new aeration tank #2 along with demolition of old tank #2. Once again I will defer to the engineers report for a more detailed progress report.

## **6.6 Engineer's Report**

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

### **Retainer**

In support of Cory's efforts, we have been researching several issues in the calculation of Act 203 Tapping Fees as recent House Bill 51 has changed the rules slightly. This most likely will result in a higher allowable tapping fee.

### **Pine Grove Mills Pump Station**

In previous meetings we have discussed the problems associated with a series of failures of the Ebarra pumps at the Pine Grove Pump Station. We have been working with your staff to correct these problems. Based on several site visits by the manufacturer and others, we conclude that the pumps meet the design requirements and that the design requirements are what exists within the field. Presently, our efforts are focused on the torque of bolt, which holds the impeller in place. Also, the controls are to have a current limiting override safety feature. UAJA staff is working with your controls supplier to get that feature operable. Finally, if we can overcome these equipment failures, we have been discussing ways to increase the pump capacity by 30%, but this must wait until we address the reliability issues of the existing pumps.

### **Beneficial Reuse**

#### **Transmission Line Construction**

We met with Mr. Stewart and his engineer on January 8<sup>th</sup> and agreed to revise the alignment through their properties south of SR26/64. We are preparing a Work Change Directive as a result of this that we will present to Laurel Management after the Notice to Proceed is issued. We are also finalizing the ROW's and Permits for the project with an anticipated target date of early February.

#### **Construction Phase**

We continue to perform Construction Administrative functions for the project including responding to RFI's and processing submittals. A major portion of the project is complete as the start-up of Aeration Tank #1 has been successfully initiated on January 6, 2004. Currently, the plant is using existing Aeration Tank #1 and new Aeration Tank #1. The new system is working on the DO control. The College Harris Pump Station has been in operation since September and a partial utilization/substantial completion inspection will take place 1/22/2004. Centrifuge #2 will be ready to start by the end of January.

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted to date as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

We recommend approval of the following:

#### ***Change Orders:***

No.	Contract	Description	Subtotal	Total
3-3	HVAC	Delete the demolition and disposal of HVAC ductwork within the existing Compost Building (Completed by GC)	\$(18,036.44)	\$(18,036.44)
			<b>TOTAL</b>	<b>\$(18,036.44)</b>

Reasons for Change Order Items:

No.	Reason
3-3	HVAC ductwork demolition was completed by General Contractor.

As shown on the attached logs and schedules, the total approved Change Orders for all Contracts amount to \$751,909.63 (1.77% of the total contracts) of which the Tertiary Filter replacement represents 1.42%. The total approved Change Orders for Contract 02-3 is \$(48,081.60) (-1.64% of the total contract). CO 3-3 represents (0.61)% of the contract price.

***Applications for Payment:***

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	19	\$ 1,523,910.99
02-2	Plumbing	Robert Johnson Heating & Plumbing	9	\$ 27,616.30
02-3	HVAC	G.M. McCrossin, Inc.	13	\$ 102,059.45
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	17	\$ 111,156.18
				\$ 1,764,742.92

**Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #20 is attached which describes the construction activities that occurred during the past month for your information.

**Cluster’s Meter Pit Rehabilitation**

Through phone conversations and correspondence with State College Borough and UAJA, we have worked out an arrangement where HRG will do the Construction Management for this project with support from UAJA’s inspection staff serving as the Resident Project Representative. This negotiation has resulted in a postponement of the start of this job, and we anticipate issuing McCrossin a time extension as a result.

**Harris/Curtain Sewer Rehabilitation**

We have begun work on the ROW documents for this project.

**Plan Reviews**

Project Name	Design/As-Built	St <i>atus</i>	<i>ate</i>
The Village at PSU, Ph 2	As-Built	Comments to staff	01/05/04
Village of Penn State Phase 2, Section 1	Design	Comments to staff	11/3/03
Mary Elizabeth Street	As-Built	Comments to staff	12/30/03
Independence Place, Phase 2	Design	Comments to staff	10/14/03
Boalsburg Investment Group	Design	Comments to staff	11/5/03
Hillside Farm Estates, 5B, 6, 7, & 8	Design	Comments to staff	9/24/03
Mount Nittany Terrace Ph 2	Design	Comments to staff	9/18/03
Independence Place, Phase 3&4	Design	Comments to staff	01/05/04
Hillside Farms Estates, Phase 2A	As-Built	Comments to staff	12/30/03
Premiere Theatre	As-Built	Comments to staff	10/14/03
Foxpointe Phase 4	As-Built	Comments to staff	12/8/03
Valley Vista Park Phase 3B	As-Built	Comments to staff	01/12/04
Hillside Offsite	As-Built	Comments to staff	12/30/03

Hunter Wooded Way Phase C&D	As-Built	Comments to staff	12/30/03
Hillside Extended	As-Built	Comments to staff	12/12/03

## **6.7 Executive Director’s Report**

### **PL339 Reimbursement Program Cancelled**

The State finally approved the budget, but with no funding for PL339 reimbursements. Our 2004 budget anticipated receiving half of the \$750,000 reimbursement. Consequently, the recently approved UAJA budget now shows a \$375,000 shortfall. Staff does not propose making any changes at this time.

### **Tapping Fee Law Change**

Late in December a law was passed changing the way tapping fees are calculated. All entities collecting a tapping fee have 18 months to evaluate their tapping fee according to the new law, and comply. UAJA will be completing this study internally. A draft should be available for review by the March meeting.

### **Scott Road Lift Station**

We have received a letter from DEP asking that we include a plan of action in the Chapter 94 Report. DEP has suggested that I&I removal is probably the answer. Staff will be investigating sources of I&I, and will update the board as we find sources. An emergency response plan has been developed to ensure that personnel reach the site quickly to determine if and when supplemental hauling by truck is to be initiated.

### **Centre Hills Country Club Water Supply**

The Centre Hills Country Club has requested that we evaluate the possibility of providing irrigation water to the Golf Course. This request will be reviewed by the Source Water Protection Team (formerly the Beneficial Reuse Project Management Team). A meeting is being scheduled for Wednesday, February 4, 2004 from 10:00 a.m. to 1:00 p.m. The agenda will include a reuse project update, an energy technology grant project update, discussion of the Centre Hills Country Club request, and a status report of the source water protection study by the State College Borough Water Authority.

### **Patton Township Request**

Patton Township has requested that the UAJA representatives for Patton Township attend their meeting on February 11, 2004 to give an update on UAJA.

### **Tapping Fee Study**

Mr. Whitfield reported that the Borough State College will be looking at tapping fees based on volumetric and would like UAJA to share in this study for a more uniform rate.

## 7. Old Business

### 7.1 Board Meeting Dates for 2004 and January 2005

A list of meeting dates through January 2005 has been included in your packet. The meeting dates are the third Wednesday of each month. The proposed meeting time is 4PM.

Board Meeting Dates  
for 2004 & January  
2005 Approved

A motion was made by Mr. Coe, seconded by Mr. Schmalz, to approve the Board meeting dates for 2004 and January 2005. Motion passed unanimously.

### 7.2 Public Records Access Policy Schedule of Fees

Last year UAJA adopted a public records access policy which established fees for providing copies upon request. The UAJA Board requested that the schedule of fees be evaluated and adopted each year at the January meeting. Staff has determined that the existing fees are appropriate. The fees are as follows:

1. Fees for the actual cost of mailing.
2. 12 cents per page for duplication.
3. \$2.00 for official certification if requested.
4. Reasonable fees to cover other types of actual costs such as data conversion, electronic access, etc.
5. Allowable additional actual costs incurred by the Authority which are necessary for complying with the request.

Public Records Access  
Policy Schedule of  
Fees Approved

A motion was made by Mr. Schwab, seconded by Mr. Lapinski, to approve the existing fee schedule to be in effect until the January 2005 Board meeting. Motion passes unanimously.

### 7.3 Final Design – Haymarket Lot 801 Sewer Extension

Final design drawings for the Haymarket Lot 801 Sewer Extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 53 EDUs from multi-family units. The review comments have been addressed.

Final Design –  
Haymarket Lot 801  
Sewer Extension  
Approved

A motion was made by Mr. Schmalz, seconded by Mr. Schwab, to approve the Final Design – Haymarket Lot 801 Sewer Extension. Motion passed unanimously.

**7.4 Final Design – Independence Place Phase 3 and 4 Sewer Extension**

Final design drawings for the Independence Place Phase 3 and 4 Sewer Extension (College Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 96 EDU from single family homes. The review comments have been addressed.

Final Design –  
Independence Place  
Phase 3 & 4 Sewer  
Extension Approved

A motion was made by Mr. Schwab, seconded by Mr. Coe, to approve the Final Design – Independence Place Phase 3 & 4 Sewer Extension. Motion passed unanimously.

**8. New Business**

**8.1 Change Order # 3-3, Beneficial Reuse Project**

Change Order 3-3 results from the demolition of the HVAC in the compost facility being moved from the HVAC contractor to the general contractor. Last month there was an add to the general contractor. The net result is zero. The total amount of change order 3-3 is a deduct of \$18,036.44.

Change Order 3-3  
Approved

A motion was made by Mr. Coe, seconded by Mr. Schwab, to approve Change Order 3-3 in the amount of \$18,036.44. Motion passed unanimously.

**8.2 Requisitions**

Construction Fund Stage 6-104	App. #19 Myers	\$1,523,910.99
Construction Fund Stage 6-105	App. #9 Johnson	\$27,616.30
Construction Fund Stage 6-106	App. #13 McCrossin	\$102,059.45
Construction Fund Stage 6-107	App. #17 Biter	\$111,156.18
Construction Fund Stage 6-108	App. #19 HRG-CM	\$21,811.68
Construction Fund Stage 6-109	App. #18 HRG-RPR	\$60,535.30
Construction Fund Stage 6-110	App. #20 HRG-CM	\$18,319.39
Construction Fund Stage 6-111	App. #19 HRG-RPR	\$49,761.23

Construction –  
Requisitions  
Approved

A motion was made by Mr. Coe, seconded by Mr. Schmalz, to approve the Construction Requisitions as presented. Motion passed unanimously.

## 9. Other Business

Resolution for  
Required Easements  
Approved

A motion was made by Mr. Schwab, seconded by Mr. Klapac, to approve the resolution to increase the required easement for the Cluster's meter from 10' to 20' by eminent domain and to convey the easement for the transmission line from the treatment plant to the Nittany Mall for the Beneficial Reuse to Spring Creek Pollution Control to College Township. Motion passed unanimously.

## 10. Adjournment

There being no further business to come before the Board, the meeting adjourned at 6:15 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

DAVID D. COE  
Assistant Secretary

## MINUTES

### UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

#### Regular Meeting – February 18, 2004

#### 1. Call to Order

Mrs. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:04 p.m. on Wednesday, February 18, 2004. The meeting was held in the Board Room in the office of the Authority.

#### 2. Roll Call

Messrs. Coe, Lapinski, McShea, Schwab, Zeigler, Ms. Barnes and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Steve Welch, Project Manager; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Brian Book and Doug Weikel, HRG; Dick Campbell, Solicitor; Mark Whitfield, State College Borough; Ray Regan, and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – January 21, 2004

The Board considered the UAJA minutes of the Regular Meeting held on January 21, 2004;

UAJA January 21, 2004 Meeting Minutes Approved
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A motion was made by Mr. McShea, seconded by Mr. Coe, to approve the minutes of the UAJA Regular Meeting held on January 21, 2004 as presented. The motion passed by majority vote with Mr. Zeigler abstaining from the vote.

#### 4. Public Comment Period

None

#### 5. Reports of Officers

##### 5.1 Financial Report

The Financial Report for the period ending January 2004 was presented to the Board for their review.

Questions were raised regarding the Revenue-Maintenance Boro line in the year-to-date Budget report and also the Operation Supplies line item. Mr. Miller stated that the Revenue-Maint Boro line is the funds received from the Borough of State College for items such as the Cluster's metering pit. It appears that sulfur dioxide may have been purchased in the amount

was posted to the wrong account under Operation Supplies. Mr. Miller stated that he would check to make sure that his answers are correct and would respond back to these questions.

## **5.2 Chairman's Report**

Ms. Bressler informed the Board that she, Mr. Klapac and Mr. Miller attended the Patton Township meeting to present an update of the activities of the Authority to the Supervisors. Ms. Bressler informed the Board that the Supervisors would like to receive our minutes and executive director's report to include in their meeting packages. The issue of volumetric billing was also discussed.

## **5.3 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. We were once again out of compliance for Total Suspended Solids; over 10 mg/l as max week. This is due to the tertiary filters being off line, and in all likelihood, will remain that way until the filters are back in operation. The DMR for January will reflect this violation. The 12-month rolling average flow for January was 5.45 mgd with the average for the month being 5.45 mgd.

There were no inspections by DEP this month although DEP was notified of a minor spill which occurred when the contractor damaged the backwash return line that fed the old splitter box. Estimated spill was approximately 1000-1500 gallons and was contained in the excavated area. DEP is also being updated on the progress of the tertiary filter replacement.

Treatment units on line are as follows: primary clarifiers #1, #2, and #3; aeration basins #1 and the new aeration basin; secondary clarifiers #1, #2 and #3; and tertiary filters by-passed.

### **Plant Maintenance**

#### **Plant General**

- The heat pump for the lobby area failed and will require replacement. Dave Foust heating and A/C will be giving a quote and the unit will be relocated to the floor for ease of access for preventative maintenance.
- The head gasket failed on the '89 Chevy P/U. Strubles Garage repaired the truck and it is back in service.
- A tire was replaced on the '99 Chevy that was damaged while plowing and the Nissan had the battery and exhaust replaced.

#### **Primary Building**

- The diaphragm pumps were cleaned and a protective coating of epoxy paint was applied.
- The gate valves had allowed water into the gear boxes causing them to freeze and become inoperable. All these valves were thawed, cleaned and reassembled.

### **Dewatering**

- The transducer in tank #4 was replaced. The bar graph and centrifuge did not reflect the same amount. The bar graphs have since been removed and calibration of the centrifuge display needs to be addressed.
- Replaced Tuthill blower #2 and returned it to the factory for repair under warranty.
- The new primary feed pumps have been clogging regularly and require cleaning. We feel once the headwork system is up and running and the tanks are cleaned, this will no longer be a problem.
- The Odor Control pump would not hold prime and was replaced with a spare pump. The pump will be rebuilt and kept as a spare.

### **Main Station**

- Mounting for the wet well grating was reinforced and a safety rail was installed around the opening.

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

## **5.4 Collection System Superintendent's Report**

Mr. Lahr apologized to the Board members present at the last meeting for a “politically incorrect” phrase he used in discussion of the Scott Road pump station.

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 – None

(UA) Lateral Repairs – None

(UA) Mainline Cleaning – (45) manholes inspected- 7214 feet cleaned)

(UA) Mainline Repairs – None

(UA) Manhole Repairs – None

(UA) Manhole Casting Repairs – (56)

(FTA) Lateral Installations – None

(FTA) Lateral Repairs – (1) 321 Rosemont Drive

(FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)

(FTA) Mainline Repairs – None

(FTA) Manhole Repairs – None

(FTA) Manhole Casting Repairs – None

We performed maintenance on all of the equipment. All of the vehicles went through “spring cleaning”. We also prepared a new stockpile site near our Maintenance building for storage of materials.

**I/I Inspection:**(We TV'd 4461 ua/0 fta feet of mainline and inspected 32 ua/0 fta MH's .)

Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)

We are continuing to monitor flow meters in the service area. Most of the time was spent doing cleaning and televising of mainline.

**Lift Station Maintenance**

Routine maintenance and general housekeeping was completed and all stations are reported to be operating normally. We received the newly repaired (to mfg.spec.) pump for Scott Road as well as replaced the Amp. and RTM gages which had gone bad. Plowed snow!!

**Inspection**

Preliminary As-builts Approved: Hillside Farms 2A, Hillside Farms Offsite Extension, Foxpointe Ph4

Mainline Construction:

- a. Valley Vista Park Phase 3B – As-builts have been received & are under review.
- b. Somerset Phase 2 – Construction is complete, TV'd and waiting for As-builts.
- c. Marywood(Hunterwood Way North/South) – Construction is complete. Reviewing As-builts.
- d. Mary Elizabeth St. Extension – As-builts have been submitted and are being reviewed.
- e. Golden Orchards Estates – Construction is approximately 80% complete.
- f. Landings ph4,sec3 – Construction is approximately 90% complete.
- g. Sterns Crossing – Construction is approximately 30% complete.
- h. Innovation Blvd/PSU – Construction is approximately 10% complete.
- i. Cottonwood Drive – Construction is set to start soon.
- j. Lexington Place Ph3 – Construction is approximately 20% complete.
- k. Saybrook Phase 7 – Job Conference held.
- l. Independence Place Ph 3&4 – Job Conference held.
- m. Oakwood Phase 7 – Job Conference held.

New Connections:

a.	Single-Family Residential	5	c.	Commercial	0
b.	Multi-Family Residential	0	d.	Industrial	0
					<b>TOTAL</b>
					<b>5</b>

**5.5 Construction Projects Report**

The following comments are as presented to the Board in the written report prepared by Stephen T. Welch, Project Manager.

Construction is moving forward at a much slower pace. It's been hampered by the weather, be it snow, cold, rain. The rehabilitation of the tertiary filters is progressing. The contractor has installed the under drain system in one filter and is working on the second one. The new aeration unit #1 is working fine except for some software problems. The demolition of old unit #2 is almost complete and the contractor continues to excavate down to grade. Work continues on the compost facility. The building is shaping up.

We have for Board approval tonight seven pay applications drawn on the construction fund for a total of \$1,432,884.85.

The pay applications are as follows:

Contract 02-1 General Construction-Allan A. Myers  
 Application #20-\$1,112,937.83

Contract 02-2 Plumbing & Heating-Robert Johnson  
 Application #10-\$14,202.50

Contract 02-3 HVAC G. M. Mc Crossin  
 Application #14-\$117,008.65

Contract 02-4 Electrical Bob Biter Electric

Application #18-\$109,591.17

HRG Construction Management  
Application #20-\$22,254.66

HRG Construction RPR  
Application #19-\$56,890.04

Contract 03-3 transmission line construction, has been awarded to Laurel Management of Johnstown. The contract documents are about finalized. The notice to proceed has not been issued, but will be in the very near future.

The Clusters meter upgrade contract 03-8 has been awarded to G. M. McCrossin and Robert Lepley Electric. A pre-construction conference was held January 30, 2004. This contract will provide a new Trapezoidal flume at Clusters. This is a joint Boro/UAJA project. The Second centrifuge is installed and ready for use at the dewatering building. The engineers report will detail other construction activities at the plant.

## **5.6 Engineer's Report**

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

### **Retainer**

Cory Miller, Dick Lahr and I have been working on a procedure that will formalize the review of developer's plans including a schedule of submission dates and reviews.

### **Pine Grove Mills Pump Station**

Two of the three pumps are in operation and running per specification (torque on the bolts & controls). The third pump is at Ebarra's factory for repair. Ebarra has also loaned, on a long term basis, a fourth pump to UAJA. Currently, we believe we have resolved the reliability issues; although only time will tell.

### **Beneficial Reuse**

#### **Transmission Line Construction**

There are four types of approvals needed before we begin construction (Private Rights-of-Way, PennDOT Highway Occupancy Permit, College Township Highway Occupancy Permit, and Centre County Conservation District). All four were begun last year. We believe we have everything necessary from College Township. PennDOT has requested some clarification regarding the methods to be used at the crossing of SR150 and Shiloh Road, and we have responded. The Conservation District approvals were delayed because of a Pennsylvania Natural Diversity Index (PNDI) hit for the Little Brown Bat – an endangered species. We have spoken with the PNDI agent and resolved that our construction project is in the streets and well removed from the nesting site on Mount Nittany. As a result we can now move forward with the CCCD review. Finally, the private ROW's documents are with Dick Campbell, who has most of them done.

We have Laurel Management as the low bidder, and the board has taken action to authorize your staff and HRG to complete the agreement. At the moment we are using the calendar time allowed to the Owner to wait while we obtain the approvals (February 21, 2004 is the last date for execution of the agreement). After the agreements are signed, we then have 60 days to authorize Laurel Management to begin work. Ultimately, we believe the work will not begin until April due to the weather, but we are managing the contract start-up to avoid claims from the contractor.

**Water Service Extension**

During the design of the Plant Expansion, we identified the need to improve your potable water system. Cory has successfully negotiated service from College Township Water Authority to be supplied via an 8-inch main that UAJA must extend from Independence Place and into your property. The application for service has been filed with CTWA and we are preparing the necessary documents to have Allan A. Myers and Laurel Management offer proposals via change orders to their contracts for this work.

**Construction Phase**

We continue to perform Construction Administrative functions for the project including responding to RFI’s and processing submittals. The plant continues to use existing Aeration Tank #1 and new Aeration Tank #1 while Aeration Tank #2 is being excavated. The new system is working on the DO control with minor programming issues. The College Harris Pump Station has been in operation since September and a partial utilization/substantial completion inspection has been conducted. Centrifuge #2 is ready to be utilized. The lower level of the Dewatering Building will be inspected for Partial Substantial Completion later this week.

The Contractors have also been actively working on the Tertiary Filter replacement, the utility water system, compost building, headwork’s building, and septage receiving.

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted to date as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

We recommend approval of the following:

**Change Orders:**

Contract	Description	Subtotal	Total
General	Install additional anchor bolts in existing column piers	\$ 9,706.41	\$ 44,112.41
	Change compost spray water system	\$ 34,406.00	
		<b>TOTAL</b>	<b>\$ 44,112.41</b>

**Reasons for Change Order Items:**

**Reason**

Existing columns only had two anchor bolts; per OSHA four are required.  
 Contract drawings have the spray system running across the bays; proposed system will run with the bays affording control to each bay.

As shown on the attached logs and schedules, the total approved Change Orders for all Contracts amount to \$736,173.19 (1.73% of the total contracts) of which the Tertiary Filter replacement represents 1.42%. The total approved Change Orders for Contract 02-1 is \$724,505.53 (2.18% of the total contract). CO 1-16 represents 0.13% of the contract price.

**Applications for Payment:**

We recommend payment of the following:

<b>Contr. No.</b>	<b>Contract</b>	<b>Contractor</b>	<b>App No.</b>	<b>Amount</b>
02-1	General Construction	Allan A. Myers, LP	20	\$ 1,112,937.83
02-2	Plumbing	Robert Johnson Heating & Plumbing	10	\$ 14,202.50
02-3	HVAC	G.M. McCrossin, Inc.	14	\$ 117,008.65
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	18	\$ 109,591.17
				\$ 1,353,740.15

**Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #21 is attached which describes the construction activities that occurred during the past month for your information.

**Cluster’s Meter Pit Rehabilitation**

Attached to this report, please find the minutes from the Pre-Construction Conference held on January 30, 2004. We have two change orders for this project that require Authority approval.

- Contract 03-8, Change Order No. 1 for 61 days and zero dollars.
- Contract 03-9, Change Order No. 1 for 61 days and zero dollar

Change Orders No. 1 for  
Contract 03-8 and 03-9  
Approved

A motion was made by Mr. Schwab, seconded by Mr. Coe, to approve Contract 03-8, Change Order No. 1 and Contract 03-9, Change Order No. 1 for 61 day extension at no additional cost. Motion passed unanimously.

**Harris/Curtain Sewer Rehabilitation**

We are working with Mark on this project. The survey is scheduled for March, weather dependent.

**PLAN REVIEWS**

<b>Project Name</b>	<b>Design /As-Built</b>	<b>Status</b>	<b>Date</b>
Mary Elizabeth Street	As-Built	Recommend Approval	02/03/04
Boalsburg Investment Group	Design	Comments to staff	11/5/03
Hillside Farm Estates, 5B, 6, 7, & 8	Design	Comments to staff	09/24/03
Mount Nittany Terrace Ph 2	Design	Comments to staff	09/18/03
Hillside Farms Estates, Phase 2A	As-Built	Recommend Approval	02/03/04
Valley Vista Park Phase 3B	As-Built	Recommend Approval	02/03/04
Hillside Offsite	As-Built	Recommend Approval	02/03/04
Hunter Wooded Way Phase C&D	As-Built	Recommend Approval	02/03/04
Hillside Extended (Phase 2B)	As-Built	Comments to staff	02/10/04

Foxpointe Pump Station & Sewers	Design	Comments to staff	02/10/04
Rolling Ridge Subdivision	Design	Comments to staff	02/11/04

## **5.7 Executive Director’s Report**

### **Rate Increase Notices Mailed**

The notices have been mailed to all customers. A copy of the notice is included in the packet. So far, less than 20 phone calls have been received, and only three letters have been received.

### **Drawing Review System Changes**

At the last meeting, representatives of the Chamber of Business and Industry asked UAJA to review the drawing review and permitting system. Staff has a draft revision which should significantly reduce the review time for drawings, particularly as-built drawings. A draft flow chart of this proposed process was presented for the Board’s review. Staff will try it out for the next month, and if it appears to work, will bring it to the board at the March meeting for adoption into our standards.

### **Source Water Protection Team Meeting**

The Source Water Protection Team (SWPT) meeting was held on February 13 at 10 AM. An update of the project, discussion of the Centre Hills Country Club request, briefing on the progress of the State College Borough Water Authority on their Source Water Protection Plan, and a briefing on the heating and cooling study were discussed. Mr. Miller informed the Board that this request is beyond Phase 1 of the project, but it is consensus of the Team to pursue this since Phase 2 will be at Perkins’s restaurant. This would accelerate Phase 2 by about two years. SWPT would like to proceed with this to see if there is an interest to 1) outline the steps and 2) meet with COG. Discussion was held as to where the distribution line would run in Phase 1 and who are the big water users that are interested in using this water. Mr. Miller asked if any of the board members would like to participate on this team. Mr. Coe and Mr. Lapinski indicated that they would like to be added to the list of participants.

## **6. Old Business**

### **6.1 Final Design – Rolling Ridge Subdivision**

Final design drawings for the Rolling Ridge Subdivision Sewer Extension (Ferguson Township) were not received in time for review by staff and our consulting engineer for approval at the meeting.

### **6.2 Final Design – Foxpointe Lift Station and Collection System**

Final design drawings for the Foxpointe Lift Station and Collection System (Ferguson Township) were not received in time for review by staff and our consulting engineer for approval at the meeting.

### 6.3 Consideration of Draft Rate Resolution

A draft rate resolution incorporating all of the changes that have been made over the past several years has been prepared by staff. This resolution consolidates all of the previous actions of the board along with minor administrative changes that have been made to simplify billing. Several suggestions were made by the Board members regarding the rate resolution. Mr. Miller asked that the Board members review the document and inform him of any comments they may have so that the document can be revised and presented again at the March 2004 meeting.

## 7. New Business

### 7.1 Contract #2004-01 Trench Paving

Sealed Bids received:	Hawbaker	\$45.40/sq yd + \$1.00/ln ft for saw cut
	HRI	\$66.00/sq yd + \$4.00/ln ft for saw cut
	TEO Ent.	\$39.40/sq yd + \$3.10/ln ft for saw cut
	Schlegel Exc.	\$51.00/sq yd + \$ .70/ln ft for saw cut
	Terra Exc.	\$47.00/sq yd + no saw cut fee

Award Contract #2004-01  
Approved

A motion was made by Mr. Schwab, seconded by Mr. Lapinski, to award Contract #2004-01 to TEO Enterprises in the amount of \$39.40/sq yd + \$3.10/ln ft for saw cut. Motion passed unanimously.

### 7.2 Contract #2004-02 Pipe and Fittings

Sealed Bids received:	Exeter Supply	\$26,283.84
	Sparmon Fischler	\$26,130.89
	Avoc Bldg & Supply	\$32,690.00
	L/B Water Serv.	\$25,267.60
	Dixon Contr.	\$25,134.54

Award Contract #2004-02  
Approved

A motion was made by Mr. McShea, seconded by Mr. Coe, to Award Contract #2004-02 to Dixon Contracting in the amount of \$25,134.54. Motion passed unanimously.

### 7.3 Contract #2004-03 Rental Equipment

Sealed Bids received for Tandem Dump Truck:

Hawbaker	\$64.00/hr
George Robb	\$50.00/hr

Sealed Bids received for Track Loader:

Foster Wineland	\$4672.00/month
Cleveland Bros.	\$5525.00/month
Groff Equip.	\$3895.00/month

Sealed Bids received for Backhoe:

Foster Wineland	\$1662.00/month
Cleveland Bros.	\$1785.00/month
Groff Equip.	\$1195.00/month

Award Contract #2004-03  
Approved

A motion was made by Mr. McShea, seconded by Mr. Zeigler, to award Contract #2004-03 to Groff Equipment for Track Loader Rental and Backhoe Rental, and to George Robb for Tandem Dump Truck Rental. Motion passed unanimously.

**7.4 Quotes received for 2004 Driveway Paving Projects**

Quotes received for 2004 Driveway Paving Projects:

Hawbaker	\$27.50/sq yd + \$1.00/ln ft for saw cut
TEO Ent.	\$17.40/sq yd + \$1.00/ln ft for saw cut
Schlegel Exc.	\$49.00/sq yd + no saw cut fee

2004 Driveway Paving  
Purchase Order Awarded

A motion was made by Mr. Schwab, seconded by Mr. Lapinski, to award purchase order to TEO Enterprises for \$17.40/sq yd +\$1.00/ln ft for saw cut. Motion passed unanimously.

**7.5 Change Order #1-16, Beneficial Reuse Project**

This Change Order results from the addition of anchor bolts for the Compost Building. Additional anchor bolts beyond those in place are needed to comply with codes. This amounts to \$9,706.41. Also included in this change order is a change in the water spray system for the compost building. The design shows the spray water system running across the bays. UAJA's experience shows that it is better to have the spray system run the length of the bays, so individual bays can have water added. The changes in piping cost \$34,406.00.

Change Order  
#1-16, Beneficial  
Reuse Project  
Approved

A motion was made by Mr. Coe, seconded by Mr. Zeigler, to approve Change Order #1-16, Beneficial Reuse Project in the amount of \$44,112.41. Motion passed unanimously.

**7.6 Requisitions**

Construction Fund Stage 6-112	App. #20 Myers	\$1,112,937.83
Construction Fund Stage 6-113	App. #10 Johnson	\$14,202.50
Construction Fund Stage 6-114	App. #14 McCrossin	\$117,008.65

Construction Fund Stage 6-115	App. #18 Biter	\$109,591.17
Construction Fund Stage 6-116	App. #21 HRG-CM	\$22,254.66
Construction Fund Stage 6-117	App. #20 HRG-RPR	\$56,890.04
Construction Fund Stage 6-118	Misc. (CTWA)	\$3231.00
Construction Fund Stage 6-119	Misc. (PA Clean Water Fd)	\$500.00
Construction Fund Stage 6-120	Misc. (C.C. Cons. Dist.)	\$650.00

Construction – Requisitions Approved	A motion was made by Mr. Coe, seconded by Mr. McShea, to approve the Construction Requisitions as presented Motion passed unanimously.
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Revenue Fund #76	Debt Service, Op. & Maint	\$1,500,000.00
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Revenue Fund – Requisition Approved	A motion was made by Mr. Zeigler, seconded by Mr. McShea, to approve the Revenue Fund Requisition No. 76 in the amount of \$1,500,000.00. Motion passed unanimously.
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BRIF #29	Sewer Work/W. Inner Loop	\$27,236.37
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Bond Redemption & Improvement Fund – Requisition Approved	A motion was made by Mr. Lapinski, seconded by Mr. Zeigler, to approve the Bond Redemption & Improvement Fund Requisition No. 29 in the amount of \$27,236.37. Motion passed unanimously.
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## 8. Other Business

Mr. Coe informed the Board that he attended the College Township Supervisors meeting and addressed their questions regarding the rate increase and PL339.

## 10. Adjournment

There being no further business to come before the Board, the meeting adjourned at 6:00 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

DAVID D. COE  
Assistant Secretary

## MINUTES

### UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

#### Regular Meeting – March 17, 2004

#### 1. Call to Order

Mrs. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:04 p.m. on Wednesday, March 17, 2004. The meeting was held in the Board Room in the office of the Authority.

#### 2. Roll Call

Messrs. Coe, Lapinski, Klapac, McShea, Schmalz, Schwab, Zeigler, Ms. Barnes and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Steve Welch, Project Manager; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Brian Book and Doug Weikel, HRG; Dick Campbell, Solicitor; Mark Whitfield, State College Borough; Dan Abruzzo, CBICC; and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – February 18, 2004

The Board considered the UAJA minutes of the Regular Meeting held on February 18, 2004;

UAJA February 18, 2004 Meeting Minutes Approved
--

A motion was made by Mr. Schmalz, seconded by Mr. McShea, to approve the minutes of the UAJA Regular Meeting held on February 18, 2004 as presented. The motion passed unanimously.

#### 4. Public Comment Period

None

#### 5. Reports of Officers

##### 5.1 Financial Report

The Financial Report for the period ending February 2004 was presented to the Board for their review.

Mr. Smith reported that the budget report was submitted in the meeting package for the Board's review. Questions that were raised regarding the budget report at the last meeting were addressed via email.

Question was raised regarding the meaning of the asterisk behind some of the percentages. Staff will find out the meaning of the asterisk and will forward those findings to the Board via email.

Why are there a lot of line items with zero amounts for the budget (i.e. sick time, vacation time, etc.)? Each department's time is budgeted under regular pay and then the sick time, vacation time, etc. is tracked.

Under the line item Permit Tap Fees-Rt. 26 does this encompass all of the Pine Grove Mills area? This fee is associated with those connecting from Leitzinger Imports to the Scott Road pump station.

Question was raised as to the progression of the audit with the new auditors, Maher Duessel? The auditor has been in to gather preliminary information and to obtain the required invoices and checks to begin preparation for the audit. There should be a draft audit for the Board's review at the May meeting.

## **5.2 Chairman's Report**

Ms. Bressler had no report.

## **5.3 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. We were once again out of compliance for Total Suspended Solids; over 10 mg/l as max week. This is again due to the tertiary filters being off line. The DMR for February will reflect this violation. The 12-month rolling average flow for February was 5.44 mgd with the average for the month being 4.73 mgd.

John Sengle of DEP visited the facility on February 23<sup>rd</sup>, 2004. This was a visual inspection on the progress of the re-construction of our tertiary filters. DEP is also being updated monthly on the progress of the tertiary filter replacement. At this point in time all the filters have the new under-drains installed and await media placement.

Treatment units on line are as follows: primary clarifiers #1, #2, and #3; aeration basins #1 and the new aeration basin; secondary clarifiers' #1, #2 and #3; and tertiary filters by-passed.

### **Plant Maintenance**

#### **Plant General**

- Sample ports were installed on the new RAS pumps.
- Installation of the new heat pump (HP-8) is complete with the exception of the duct work. We expect to have the unit on line within the next couple of days.
- All plant vehicles were serviced.
- The Micro-Filters were cleaned and put into long-term storage.
- The 1845 Case Skid Steer was serviced. This included the repair of the back up alarm and replacement of three hydraulic lines.

- McCarthy Tire replaced the front tires on the 621 Loader with ones we had previously recapped. They will recap the old tires if possible.

### **Primary Building**

- The suction regulator was replaced on Diaphragm Pump #5 because of an air leak.
- Several aged and cracking check valve housing gaskets were replaced.

### **Dewatering**

- The suction regulator was replaced on Diaphragm Pump #5 because of an air leak.
- Several aged and cracking check valve housing gaskets were replaced.

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

## **5.4 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 – None

(UA) Lateral Repairs – None

(UA) Mainline Cleaning – (80) manholes inspected- 14,988 feet cleaned)

(UA) Mainline Repairs – None

(UA) Manhole Repairs – (1) Hills Plaza

(UA) Manhole Casting Repairs – (63)

(FTA) Lateral Installations – None

(FTA) Lateral Repairs – None

(FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)

(FTA) Mainline Repairs – None

(FTA) Manhole Repairs – None

(FTA) Manhole Casting Repairs – None

We replaced some concrete sidewalk sections that were destroyed during winter lateral repairs. We TV'd laterals in Pine Grove Mills. We are preparing the Ghaner Rd.#2 L.S. site for the installation of a generator set, for stand-by power.

**I/I Inspection:** (We TV'd 0 ua/420 fta feet of mainline and inspected 0 ua/3 fta MH's .)

Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)

We are continuing to monitor flow meters in the service area. Most of the time was spent doing cleaning and televising of mainline. Plowed snow.

### **Lift Station Maintenance**

Routine maintenance and general housekeeping was completed and all stations are reported to be operating normally. We are working on the telemetry units at Aspen Hts. and Kaywood, to make them operate more consistently. They are both in poor locations for radio signal strength. Plowed snow.

### **Inspection**

Provisional As-builts Approved: Marywood(Hunterwood Way N/S), Mary Elizabeth Street, V.V.Park-3B

**Mainline Construction:**

- a. Hillside Farms Ph2B – As-builts are being reviewed.
- b. Somerset Phase 2 – Construction is complete, TV'd and waiting for As-builts.
- c. Lexington Place Lot51 Duplexes – Construction is approximately 98% complete.
- d. Golden Orchards Estates – Construction is approximately 98% complete.
- e. Landings ph4,sec3 – Construction is approximately 98% complete.
- f. Sterns Crossing – Construction is approximately 60% complete.
- g. Innovation Blvd/PSU – Construction is approximately 85% complete.
- h. Cottonwood Drive – Construction is set to start soon.
- i. Lexington Place Ph3 – Construction is approximately 50% complete.
- j. Saybrook Phase 7 – Job Conference held.
- k. Independence Place Ph 3&4 – Job Conference held.
- l. Oakwood Phase 7 – Construction is approximately 50% completed.

**New Connections:**

a.	Single-Family Residential	13	c.	Commercial	1
b.	Multi-Family Residential	0	d.	Industrial	0
					TOTAL 14

**5.5 Construction Projects Report**

The following comments are as presented to the Board in the written report prepared by Stephen T. Welch, Project Manager.

Construction activities are getting back up to speed now that better weather conditions are here. The rehabilitation of the tertiary filters continues to move forward. All the under drain systems are installed in all eight filters. The filter media is due to arrive on site the week of March 22. We met with a representative of the insurance company concerning the filter failure. A report will be issued to the insurance company then to UAJA. The contractor is proceeding with the construction of aeration tank #2, it is taking shape. They have part of the base slab poured and are starting with the walls. They continue to work on the compost building. The building insulators are on site and are prepping the interior walls prior to spraying the interior insulation coating.

The transmission line contract should begin in mid April. There is only paper work going on at the Clusters meter project. It is scheduled to begin in April also.

We have for Board approval tonight five pay applications drawn on the construction fund for a total of \$2,997,072.22

The pay applications are as follows:

Contract 02-1 General Construction-Allan A. Myers  
 Application #21- \$2,135,961.27

Contract 02-2 Plumbing & Heating-Robert Johnson  
 Application #11-\$13,067.25

Contract 02-3 HVAC-G. M. Mc Crossin  
 Application #15- \$99,806.05

Contract 02-4 Electrical-Bob Biter Electric  
Application #19-\$105,287.65

U. S. Filter- AWT Equipment  
\$642,950.00

## 5.6 Engineer's Report

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

### **Retainer**

We are assisting your staff in responding to the requirements of Chapter 94. Specifically, I would refer you to the discussion below on the Pine Grove Mills Pump Station (Scott Road).

Attached to this report are the minutes from the February 13, 2004 Project Management Team Meeting for your information.

### **Pine Grove Mills Pump Station**

As a result of the un-permitted discharge of untreated sewage into Slab Cabin Creek from the Scott Road Pump Station on December 11, 2003, the DEP on January 12, 2004 requested that UAJA address the malfunctions of the Scott Road Pump Station by “your consultant’s recommendations reporting on any capacity problems with this pump station” in the Chapter 94 Report. We are gathering and analyzing flow data available from your collection system staff. The pump station serves approximately 600 EDU’s and was designed for approximately 800 EDU’s. The flows seem to average 100,000 gpd with a peak flow that is approximately 1,000,000 gpd. If that peak flow is correct, the pump station could be considered hydraulically overloaded due to I&I. As of the date of this report, we have not concluded this analysis, but we will provide an update at your meeting.

### **Beneficial Reuse**

Transmission Line Construction

Rights-of-Way: The ROW’s are complete except for the Nittany Mall.

PennDOT Highway Occupancy Permit: PennDOT has requested more precise info about the crossing at the Shiloh Road and SR26 intersection. This continues to hold up our HOP.

College Township Highway Occupancy Permit: I believe this permit is complete.

Centre County Conservation District: The County has approved the Stormwater/E&S NPDES permit and forwarded it on to DEP.

Laurel Management: The agreements are signed, we then have 60 days to authorize Laurel Management to begin work from 2/18.

### **Water Service Extension**

We have forwarded the design drawings to Steve to coordinate with College Township Water Authority. We will also approach Laurel Management and Allan A. Myers to gain proposed Change Orders for this work.

**Construction Phase**

We continue to perform Construction Administrative functions for the project including responding to RFI's and processing submittals. The plant continues to use existing Aeration Tank #1 and new Aeration Tank #1 while Aeration Tank #2 is being constructed. The new system is working on the DO control with minor programming issues.

The Contractors have also been actively working on the Tertiary Filter replacement, the utility water system and compost building.

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted to date as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

We recommend approval of the following:

**Change Orders:**

No.	Contract	Description	Subtotal	Total
1-17	General	Dewatering Building piping/valve changes	\$ 53,136.81	\$ 53,136.81
4-7	Electrical	Temporary relocate alum building power and site lighting	\$ 1,107.44	\$ 5,040.17
		Power for air compressor in dewatering building	\$ 1,281.41	
		Temporary and permanent level control at College Harris	\$ 3,176.32	
		Centre Communications repairs	\$ (525.00)	
<b>TOTAL</b>			<b>\$ 58,176.98</b>	

**Reasons for Change Order Items:**

No.	Reason
1-17	Piping, valves, and layout changes from the bid plans
4-7	Restore power interrupted during excavations for new work Power to air compressor not shown on drawings Existing level control did not work and new level control had to be installed Damage to communications systems requiring repair

As shown on the attached logs and schedules, the total approved Change Orders for all Contracts amount to \$742,169.38 (1.74% of the total contracts) of which the Tertiary Filter replacement represents 1.42%. The total approved Change Orders for Contract 02-1 is \$768,617.94 (2.31% of the total contract). CO 1-17 represents 0.16% of the contract price. The total approved Change Orders for Contract 02-4 is \$73,995.70 (1.64% of the total contract). CO 4-7 represents 0.12% of the contract price.

**Applications for Payment:**

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	21	\$ 2,135,961.27
02-2	Plumbing	Robert Johnson Heating & Plumbing	11	\$ 13,067.25

02-3	HVAC	G.M. McCrossin, Inc.	15	\$	101,792.45
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	18	\$	105,287.65
	MF Units	US Filter/Memcor	3	\$	64,2950.00
					<u>\$ 2,999,058.62</u>

**Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #22 is attached, which describes the construction activities that occurred during the past month for your information.

**Cluster’s Meter Pit Rehabilitation**

Attached to this report, please find the minutes from the Pre-Construction Conference held on January 30, 2004.

**Harris/Curtain Sewer Rehabilitation**

The survey is scheduled for March 15th.

**PLAN REVIEWS**

Project Name	Design /As-Built	Status	Date
Hillside Farm Estates, 5B, 6, 7, & 8	Design	Recommend Approval	03/09/04
Mount Nittany Terrace Ph 2	Design	Comments to staff	03/02/04
Hillside Offsite	As-Built	Recommend Approval	02/03/04
Hillside Extended (Phase 2B)	As-Built	Comments to staff	03/09/04
Foxpointe Pump Station & Sewers	Design	Comments to staff	02/10/04
Rolling Ridge Subdivision	Design	Comments to staff	03/10/04
Springfield Commons	Design	Comments to staff	03/09/04
The Landings, Phase 5	Design	Comments to staff	03/03/04
Lexington Place, Lot 51, Duplexes	As-Built	Comments to staff	03/08/04
Thistlewood	Design	Comments to staff	03/10/04
Somerset, Phase 2	As-Built	Comments to staff	03/09/04

**5.7 Executive Director’s Report**

**Water Conservation Presentation given to Centre Region Planning Commission**

At the March 4, 2004 meeting of the CRPC the UAJA Executive Director delivered a presentation describing the steps to developing a water conservation program and how volumetric billing of wastewater may or may not be a component of such a plan. The presentation was made in response to a written comment made by the CRPC in response to the draft Phase I Centre County Comprehensive Plan. Their comment recommended that Phase II of the Centre County Comprehensive Plan include an evaluation of the advantages and disadvantages of billing for sewer service based on water usage.

**UAJA Update to be presented at COG General Forum meeting March 22.**

Once per year, usually in the spring, UAJA is asked to give a presentation on the status of UAJA projects, primarily the Beneficial Reuse project, and any other planning issues which the

municipalities should be aware of. While the agenda is not yet set, it will likely be the Beneficial Reuse project, sewer service area expansion, and Spring Creek impairment.

### **Compost Loader Purchase**

The current compost loader is in need of major repairs to the brakes and transmission. These repairs are estimated to be around \$9,000.00. A new loader was to be purchased as part of the plant project by the end of this year. There is a current State Contract for a loader in the amount of \$95,000 that can be purchased with the construction bond money. Groff Tractor is the dealer and needs UAJA to reserve the order if this loader is approved for purchase.

Purchase of Compost Loader Approved
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A motion was made by Mr. Schwab, seconded by Ms. Barnes, to approve the purchase of a new compost loader under State Contract through Groff Tractor for an estimate amount of \$95,000. Payment will be made with funds from the construction bond. Motion passed unanimously.

## **6. Old Business**

### **6.1 Final Design – Rolling Ridge Subdivision**

Final design drawings for the Rolling Ridge Subdivision Sewer Extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve the Russian Church of Christ (2 EDU's). The review comments have been addressed.

Final Design- Rolling Ridge Subdivision Approved
--

A motion was made by Mr. Schwab, seconded by Mr. Klapac, to approve the final design drawings for the Rolling Ridge Subdivision. The motion passed unanimously.

### **6.2 Final Design – Foxpointe Lift Station and Collection System**

Final design drawings for the Foxpointe Lift Station and Collection System (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The proposed collection system and lift station will serve 27 EDU's initially, and ultimately 405 EDU's. This is a mixed residential and commercial development.

Final Design- Foxpointe Lift Stations and Collection System Approved
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A motion was made by Mr. Schwab, seconded by Mr. Klapac, to approve the final design drawings for the Foxpointe Lift Stations and Collection System. Motion passed unanimously.

### **6.3 Final Design – Hillside Farm Estates Phase 5b, 6, 7, 8**

Final design drawings for the Hillside Farm Estates Phase 5b,6,7,8 (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The proposed collection system will serve 79 EDU's. This is a mixed residential and commercial development.

Final Design- Hillside  
Farm Estates  
Phase 5b, 6, 7, 8  
Approved

A motion was made by Mr. Schwab, seconded by Mr. Klapac, to approve the final design drawings for the Hillside Farm Estates Phase 5b, 6, 7, 8. The motion passed unanimously.

#### 6.4 Consideration of Draft Rate Resolution

A second draft Rate Resolution, incorporating changes recommended by the Board to the draft presented last month, has been prepared by staff. This resolution consolidates previous actions of the Board. The second draft Rate Resolution is included in your packet.

Draft Rate Resolution  
Approved

A motion was made by Mr. Zeigler, seconded by Mr. Lapinski, to approve the Rate Resolution as presented. The motion passed unanimously.

### 7. New Business

#### 7.1 Sewer Service Area Expansion and Rezoning Policy

There are quite a few rezoning requests and requests for expanding the sewer service area under consideration by the Centre Region municipalities at this time. It is important for the municipalities to understand the affects rezonings and sewer service area expansion have on UAJA. Staff has prepared a policy statement for consideration by the Board. This would serve as the official position of UAJA concerning rezonings and expansion of the sewer service area. By taking this action, it clearly lets the municipalities know that deciding how much capacity UAJA will need in the future is their decision, and that actions that they take now affect future UAJA projects.

Sewer Service Area  
Expansion and Rezoning  
Policy Approved

A motion was made by Mr. Schwab, seconded by Mr. Lapinski, to adopt the Sewer Service Area Expansion and Rezoning Policy as presented. Motion passed unanimously.

#### 7.2 Elimination of Automatic Deduction from Credit Cards as Method of Payment

Staff feels fees associated with automatic deduction from credit cards are too high. Fees for automatic deduction from checking or savings accounts are much more reasonable. A memo and spreadsheet detailing these fees were included in your packet. The Board also discussed the fees associated with over the counter and phone credit card payments and would like information regarding a convenience fee that could be established to cover the costs of these transactions for the next meeting.

Elimination of Automatic  
Deduction from Credit  
Cards for Payment  
Approved

A motion was made by Mr. Coe, seconded by Mr. Schmalz, to eliminating automatic deduction from credit cards as a method of payment and offer automatic deduction from checking or savings to those customers as an alternative. Motion passed unanimously.

### 7.3 Consideration of Initiating a Process to Determine if the Reuse Transmission Main Should be Extended

At the Source Water Protection Team meeting, consensus was reached indicating the Centre Region should consider accelerating the reuse water line construction schedule to include Centre Hills Country Club (CHCC) in Phase I. In the approved Act 537 Plan, service to CHCC would be included in Phase II, which was expected to begin in 2008. This change is suggested to give the region a water user that will use large amounts of water during critical summer months, when Spring Creek water temperature is of greatest concern. In addition, by having an end of pipe user, it is possible to gain more benefit from heat transfer in the Dale Summit area.

The change is an acceleration of part of Phase II, and may make enable the Centre Region to consider postponement of the remainder of Phase II.

This action is to initiate the process to determine if the Centre Region wishes to extend Phase I. Only if UAJA and the Centre Region COG agree can this change move forward.

The process schedule is as follows:

Mentioned to COG Executive Committee, no action	March 16
UAJA Board approval to initiate process	March 17
Concept presented to COG General Forum (no action)	March 22
Meet with DEP and Susquehanna River Basin Commission	April
UAJA Board Meeting consider approval	May 19
COG (refer to municipalities)	May 24
COG consideration of Act 537 amendment	July 26
COG and individual municipal adoption	August 23

Initiation of a Process to Determine if the Reuse Transmission Main Should be Extended Approved
--

A motion was made by Mr. Schwab, seconded by Mr. Schmalz, to approve the Initiation of a Process to Determine if the Reuse Transmission Main Should be Extended. Motion passed unanimously.

### 7.4 Change Order #1-17, Beneficial Reuse Project

This Change Order results from piping, valving, and layout changes from the bid plans in the Dewatering Building. These changes result in an increase to Contract 1 in the amount of \$53,136.81. Mr. Book informed the Board that HRG is willing to reimburse UAJA 10% of this change order due to the bid plans were not properly prepared and the design could not have been implemented.

A motion was made by Mr. Schwab to approve Change Order 1-17 without reimbursement from HRG. The motion died due to a lack of a second.

Change Order 1-17 Approved
-------------------------------

A motion was made by Mr. Lapinski, seconded by Mr. Zeigler, to approve Change Order #1-17, Beneficial Reuse Project in the amount of \$53,136.81 with 10% being reimbursed by HRG. Motion passed unanimously.



## 8. Other Business

Executive Session Held

A motion was made by Mr. Lapinski, seconded by Mr. Zeigler, to adjourn to an executive session at 6:10 p.m. Motion passed unanimously.

Executive Session Held

A motion was made by Mr. Schmalz, seconded by Mr. Schwab, to return the regular meeting from the executive session at 6:35 p.m. The motion passed unanimously.

## 9. Adjournment

There being no further business to come before the Board, the meeting adjourned at 6:35 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

DAVID D. COE  
Assistant Secretary

## MINUTES

### UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

#### Regular Meeting – April 21, 2004

#### 1. Call to Order

Mrs. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:04 p.m. on Wednesday, April 17, 2004. The meeting was held in the Board Room in the office of the Authority.

#### 2. Roll Call

Messrs. Coe, Lapinski, Klapac, McShea, Schmalz, Schwab, Zeigler, Ms. Barnes and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Steve Welch, Project Manager; Dick Lahr, Collection System Superintendent; Brian Book and Doug Weikel, HRG; Scott Ethers, Solicitor; Amy Story, State College Borough; and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – March 17, 2004

The Board considered the UAJA minutes of the Regular Meeting held on March 17, 2004 and offered the following corrections;

-Page 7 Contract # 02-3 HVAC the amount should be \$99,806.05.

-Page 8 under 6.3 mixed residential and commercial should read single family development.

-Page 10 in second paragraph “the change is an acceleration of part of Phase II, and make may enable the Centre Region” should read “the change is an acceleration of part of Phase II, and may enable the Centre Region”

-Page 12 Executive Session Held should be Executive Session Held to discuss Contract Negotiations.

UAJA March 17, 2004 Meeting Minutes Approved
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A motion was made by Mr. Schmalz, seconded by Mr. Zeigler, to approve the minutes of the UAJA Regular Meeting held on March 17, 2004 as corrected. The motion passed unanimously.

#### 4. Public Comment Period

None

## 5. Reports of Officers

### 5.1 Financial Report

The Financial Report for the period ending March 2004 was presented to the Board for their review.

Mr. Smith reported that the budget report was submitted in the meeting package for the Board's review. Most of the accounts are where they should be in regards to the budgeted amounts. Some are higher due to the amounts being paid entirely at the beginning of the year. Mr. Smith informed the Board that the aging report is what is outstanding regarding sewer rental payments for the periods indicated on the report.

Mr. Zeigler asked that the construction requisition amounts on the financial spreadsheet be corrected as per the engineer's written report as follows:

Johnson requisition #127 be changed to \$18,303.65  
McCrossin requisition #128 be changed to \$119,865.30  
Biter requisition #129 be changed to \$153,433.71  
HRG CM requisition #130 be changed to \$47,437.01.

### 5.2 Chairman's Report

Ms. Bressler had no report.

### 5.3 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 no exceptions to our NPDES permit. The 12-month rolling average flow for March was 5.41 mgd with the average for the month being 5.60 mgd.

There were no inspections by DEP this month although DEP was notified of a minor spill which occurred when the main breaker for pump controls was inadvertently switched to the "off" position in the main station. This caused the wet well to flood and the flow to back up the main line. Some raw sewage was lost out of the second manhole upstream from the main station. John Sengle from DEP inspected the area of the spill and filed a report and I have notified DEP via a letter with the steps planned to keep this from reoccurring. Measures that have been taken to insure this could never happen again range from a switch cover over the breaker to the maintenance crew physically checking the main station twice daily. This will be the norm until the SCADA system is in place.

Treatment units on line are as follows: primary clarifiers #1, #2, and #3; aeration basins #1 and the new aeration basin; secondary clarifiers' #2, #3 and #4; and tertiary filters by-passed.

#### **Plant Maintenance**

##### **Plant General**

- The support bracket on secondary clarifier #1 bridge drive was bent. New parts were fabricated and installed.

### **Primary Building**

- The diaphragms in pumps #5 and #6 were replaced.

### **Dewatering**

- The factory rebuilt Tuthill blower was installed and is in operation.
- Replaced the idler roller on the short belt due to deterioration.
- The transducer in tank #6 was replaced and the control circuit card calibrated.
- The output shaft oil seal was replaced on Tuthill blower #5.

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

There were several employees that attended the PRWA conference held at the Penn-Stater this past month. All licensed personnel are required to receive classroom credits during their three year validation period and this conference provided ample credits for some and training for all that attended. I would like to thank the Authority on behalf of all that attended for these training opportunities.

## **5.4 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 – (1) Mayes Memorial
- (UA) Lateral Repairs – (1) 118 W. Crestview Ave.
- (UA) Mainline Cleaning – (33) manholes inspected- 5,919 feet cleaned)
- (UA) Mainline Repairs – None
- (UA) Manhole Repairs – None
- (UA) Manhole Casting Repairs – (69)
- (FTA) Lateral Installations – None
- (FTA) Lateral Repairs – None
- (FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)
- (FTA) Mainline Repairs – None
- (FTA) Manhole Repairs – None
- (FTA) Manhole Casting Repairs – (1)

We did some saw cutting & prep work on Douglas Drive for that project.. We finished TVing laterals in Pine Grove Mills. We are preparing the Ghaner Rd.#2 L.S. site for the installation of a generator set, for stand-by power. Some of the staff took a Collection System Certification test.

**I/I Inspection:** (We TV'd 10,989ua/0 fta feet of mainline and inspected 64 ua/0 fta MH's .)  
Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)  
We are continuing to monitor flow meters in the service area.

### **Lift Station Maintenance**

We TV'd 10,989ua/0 fta feet of mainline and inspected 64 ua/0 fta MH's .)  
Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)  
We are continuing to monitor flow meters in the service area.

### Inspection

Provisional As-builts Approved: Somerset Phase 2

Mainline Construction:

- a. Hillside Farms Ph2B – As-builts are being reviewed.
- b. Lexington Place Lot51 Duplexes – Construction is complete. Reviewing As-builts.
- c. Golden Orchards Estates – Construction is complete. Reviewing As-builts.
- d. Landings ph4,sec3 – Construction is approximately 98% complete.
- e. Sterns Crossing – Construction is approximately 95% complete.
- f. Innovation Blvd/PSU – Construction is approximately 90% complete.
- g. Cottonwood Drive – Construction is set to start soon.
- h. Lexington Place Ph3 – Construction is approximately 95% complete.
- i. Saybrook Phase 7 – Construction is approximately 30% completed.
- j. Independence Place Ph 3&4 – Construction has just commenced.
- k. Oakwood Phase 7 – Construction is approximately 60% completed.
- l. Teaberry Ridge 3B – Construction is approximately 50% completed.

New Connections:

a. Single-Family Residential	31	c. Commercial	0
b. Multi-Family Residential	0	d. Industrial	0
			TOTAL 31

### 5.5 Construction Projects Report

The following comments are as presented to the Board in the written report prepared by Stephen T. Welch, Project Manager.

Construction activity continues to move forward. The rehabilitation of the tertiary filters is to the point that media installation should be under way this week. Work continues on aeration tank #2. The compost building continues to take shape. They are still applying spray insulation and top coat on the interior walls. They are also installing the transfer conveyor. The Electrical contractor is installing the related electrical supply and control system. A punch list has been generated for the Dewatering building; this has been forwarded to the respective contractors for their action.

The Transmission Line and Clusters Meter contracts are still in the paper work stages, no construction work has started.

We have for Board approval eight pay applications drawn on the construction fund for total of \$1,362,378.06.

The pay applications are as follows:

Contract 02-1 General Construction-Allan A. Myers  
Application #22-\$959,731.45

Contract 02-2 Plumbing & Heating-Robert Johnson  
Application #12-\$18,303.65

Contract 02-3 HVAC-G. M. McCrossin  
Application #16-\$119,865.30

Contract 02-4 Electrical-Bob Biter Electric  
Application #20-\$153,433.71

U. S. Filter-AWT Equipment  
Partial Payment as per contract-\$21,050.00

Continental Blower  
Application #4-\$20,236.40

HRG Construction Management  
Application #22-\$22,320.54

HRG RPR  
Application #21-\$47,437.01

The Engineers report will detail construction activities since our last report.

## 5.6 Engineer's Report

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

### **Retainer**

Dave Smith has submitted the Chapter 94 Report to the DEP, and we have not received any response regarding the Scott Road Pump Station issue.

### **Beneficial Reuse**

#### **Transmission Line Construction**

Rights-of-Way: The ROW's are complete except for the Nittany Mall.

PennDOT Highway Occupancy Permit: It is my understanding that the HOP has been granted and is in the mail to us.

College Township Highway Occupancy Permit: During a meeting with College Township, we reviewed the Transmission Line. They requested involvement in job conferences and copies of the construction documents, but indicated the acceptance of the proposed construction.

Centre County Conservation District: The County has approved the Stormwater/E&S NPDES permit and forwarded it on to DEP. Mr. Paul Ombowski is reviewing the documents. This is the final review we need to complete prior to the start of construction.

### **Water Service Extension**

A coordination meeting was held with College Township staff on April 1, 2004, and we submitted final drawings for their review and comment on April 9, 2004. A copy of our submittal letter is attached for your information.

### **Construction Phase**

We continue to perform Construction Administrative functions for the project including

responding to RFI's and processing submittals. The plant continues to use existing Aeration Tank #1 and new Aeration Tank #1 while Aeration Tank #2 is being constructed. The Secondary Clarifier Pump Station equipment has been started and tested and Secondary Clarifier #4 has been put on-line. The Contractors have also been actively working on the Tertiary Filter replacement, the utility water system and compost building.

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted to date as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

We recommend approval of the following:

**Change Orders:**

No.	Contract	Description	Subtotal	Total
1-18	GENERAL	Relocate existing RAS line from new Aeration Tank #2	\$ 16,065.04	\$ 36,823.43
		Piping modifications for new backwash feed pumps	\$ 5,582.28	
		Riser box for elec manhole between headworks and primaries	\$ 6,896.11	
		Add chain/flight conveyor to Knight Mixer	\$ 6,900.00	
		Add 3 additional solenoid valves to Compmaster	\$ 1,380.00	
4-8	ELECTRICAL	Power changes to RIO Panels in Tertiary Building	\$ 2,413.02	\$ 4,466.95
		Change control wire to Devicenet at Tertiary Building	\$ 2,324.70	
		Delete control/power for Bioguide	\$ (3,276.62)	
		Delete installing of lights in biofilter / extra wiring for blowers	\$ 195.73	
		120Vpower for ultrasonic level monitors at Tertiary Building	\$ 2,810.12	
<b>Total</b>			<b>\$ 41,290.38</b>	

Reasons for Change Order Items:

No.	Reason
1-18	Existing RAS line shown to be demolished; needed for Ex. Aeration Tank #1
	Piping modifications needed to connect new backwash feed pumps to existing piping
	Area between headworks and primaries is being filled for driveway
	Needed to take mixer discharge up to conveyor
	Additional card needed in PLC for additional solenoid valves
4-8	Power requirement changed from design drawings for the RIO Panels
	Devicenet control cable required for new PLC for filtration equipment
	Delete control/power for Bioguide
	Lights inside biofilter header not needed; extra control wiring for blowers
	Power requirement change for the level monitors at Tertiary Building

As shown on the attached logs and schedules, the total approved Change Orders for all Contracts amount to \$839,952.58 (1.97% of the total contracts) of which the Tertiary Filter replacement represents 1.42%. The total approved Change Orders for Contract 02-1 is \$821,754.75 (2.47% of the total contracts) of which the Tertiary Filter replacement represents 1.82%. CO 1-18 represents 0.11% of the contract price. The total approved Change Orders for Contract 02-4 is \$79,035.87 (1.76% of the total contract). CO 4-8 represents 0.10% of the contract price.

**Applications for Payment:**

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	22	\$ 959,731.45
02-2	Plumbing	Robert Johnson Heating & Plumbing	12	\$ 18,303.65
02-3	HVAC	G.M. McCrossin, Inc.	16	\$ 119,865.30
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	19	\$ 153,433.71
	MF Units	US Filter/Memcor	4	\$ 21,050.00
2001-4	Aeration Equipment Procurement	Continental Blower, LLC	4	\$ 20,236.40
				\$ 1,292,620.51

**Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #23 is attached, which describes the construction activities that occurred during the past month for your information.

**Cluster’s Meter Pit Rehabilitation**

There has been minimal action on this job since your last meeting other than shop drawing submittals; most of which are approved.

**Harris/Curtin Sewer Rehabilitation**

We have completed the survey and will be sending Dick Campbell the new ROW drawings for his use in negotiating revised agreements this week.

**Chemcut Pump Station Rehabilitation**

We have developed a scope of services and proposal for this project based upon discussions with Mark and Dick.

**Plan Reviews**

Project Name	Design /As-Built	Status	Date
Mount Nittany Terrace Ph 2	Design	Comments to staff	03/02/04
Hillside Extended (Phase 2B)	As-Built	Recommend Approval	04/09/04
Springfield Commons	Design	Comments to staff	04/08/04
The Landings, Phase 5	Design	Comments to staff	03/03/04
Lexington Place, Lot 51, Duplexes	As-Built	Recommend Approval	04/01/04
Thistlewood <sup>(1)</sup>	Design	Comments to staff	04/07/04
Kish Bank <sup>(1)</sup>	Design	Comments to staff	03/23/04
Coventry Place	Design	Comments to staff	04/02/04

Golden Orchard Estates	As-Built	Comments to staff	04/02/04
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**Note 1:** The Kish Bank and Thistlewood drawings have been resubmitted, and based upon the scope of previous comments, should be approvable by your meeting date.

## **5.7 Executive Director’s Report**

### **Shiloh Road Development Scenarios**

The Centre Region Planning Agency (CRPA) has developed some sketch plans of the Shiloh Road area showing different development schemes. These are just concept sketches, not plans. They are available for viewing at the CRPA office. Contact Bob Crum at 231-3050 to arrange to see them.

### **Senate Bill 1042**

Senate Bill 1042, known as the Pollution Reduction and Prevention Act, if passed, may provide opportunities for businesses electing to us reuse water. The bill provides for grants of up to \$5000 to small businesses preparing strategies for reducing pollution, energy use and waste.

### **Patton Township action on Geisinger rezoning request**

The Patton Township Supervisors voted unanimously to develop a new zoning classification for the proposed Geisinger site. An Act 537 Plan revision is required before UAJA can serve the property. It is likely that no areas within the current sewer service boundary will be down zoned, therefore, it is almost certain that UAJA’s 9 million gallons per day (MGD) ultimate capacity will not be large enough. The municipalities will need to include additional capacity in the Act 537 plan revision (Act 537 planning is a municipal responsibility.)

### **State College Borough Water Authority**

An email was received from Max Gill, SCBWA, thanking UAJA’s crew for cleaning out the fluoride tanks with the use of our big red truck and also welcoming UAJA to their board room for the next four meetings.

### **Update to Members**

The current phone system is located where the new restrooms will be constructed. This relocation is not included in the contract and is estimated to cost \$20,000. The work will need to be completed by the phone company since it is their equipment.

### **CDEC Grant**

A telephone call was received from Senator Jake Corman informing staff that a CDEC grant in the amount of \$50,000 has been given to UAJA to be applied towards the beneficial reuse transmission line.

## 6. Old Business

### 6.1 Final Design – Thistlewood

Final design drawings for the Thistlewood development sewer extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 52 EDU's of single family homes. The review comments have been addressed.

Final Design- Thistlewood Subdivision Approved	A motion was made by Mr. McShea, seconded by Mr. Zeigler, to approve the final design drawings for the Thistlewood Subdivision. The motion passed unanimously.
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### 6.2 Final Design – Springfield Commons

Final design drawings for the Springfield Commons development sewer extension (Harris Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 87 (20 existing and 67 new EDU's) EDU's of mixed housing units. The review comments have been addressed.

Final Design- Springfield Commons Development Approved	A motion was made by Mr. Schwab, seconded by Mr. McShea, to approve the final design drawings for the Springfield Commons development. Motion passed unanimously.
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### 6.3 Final Design – Kish Bank – Hills Plaza

Final design drawings for the Kish Bank sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve the new bank which will be at the site of the former Dunkin Donuts. EDU's have not yet been determined, but will probably be one or two. The review comments have been addressed.

Final Design- Kish Bank – Hills Plaza Approved	A motion was made by Mr. Schmalz, seconded by Mr. Schwab, to approve the final design drawings for the Kish Bank – Hills Plaza. The motion passed unanimously.
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### 6.4 Final Design – Coventry Place

Final design drawings for the Coventry Place development sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 40 EDU's of single family homes. The review comments have been addressed.

Final Design- Coventry Place Development Approved	A motion was made by Mr. Schwab, seconded by Mr. Zeigler, to approve the final design drawings for the Coventry Place development. The motion passed unanimously.
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### 6.5 Convenience Fee for Use of Credit Cards

The Board requested at the last meeting that Dick Campbell check into seeing if the convenience fee for using a credit card over the counter/phone could be assessed on a per EDU/per quarter basis. Mr. Campbell has indicated that this could be done since the customer has other options available to make payment such as one time debit from their checking account, payment by check, cash or by utilizing the auto payment option. Discussion was also held regarding the amount of this fee and whether the fee should be higher and whether there should be a fee associated with those paying their bill with a one-time debt from their checking accounts.

Convenience Fee for Use  
of Credit Cards  
Approved

A motion was made by Mr. McShea, seconded by Mr. Schmalz, to approve the implementation of a convenience fee of \$2.25/EDU/quarter for the use of a credit card to pay sewer rental charges beginning with the second quarter 2004 billing. The motion passed unanimously.

## 6.6 Revision of Standard Specifications Incorporating New Plan Review Process

Included in the Board member packets were revisions to UAJA's standard specifications incorporating the new plan review process. The new process has been in place on a trial basis for two months and no difficulties have been encountered. Changes to the specifications are shown in red. Following discussion regarding the changes in the Standard Specifications, the board requested that the gender references be removed and that the submission of an electronic format must be approved by the Authority.

Revision of Standard  
Specifications  
Incorporating New Plan  
Review Process  
Approved

A motion was made by Mr. Coe, seconded by Mr. McShea, to approve the Revisions of the Standard Specifications Incorporating New Plan Review Process as corrected. The motion passed unanimously.

## 7. New Business

### 7.1 Resolution Allowing Cooperative Purchasing with PACC

Whenever possible, UAJA strives to procure equipment through cooperative purchasing agreements if it is determined it can save money. This is usually accomplished by piggy-backing on State contracts. We have become aware of another municipal contract that we can utilize held by the City of Harrisburg called "Pennsylvania Capital City" (PACC). We want to utilize this contract to purchase a Maintenance Van that is included in the 2004 budget. The Resolution contained in your packet is required by PACC to participate. Dick Campbell has reviewed it.

Resolution 04-2 Allowing  
Cooperative Purchasing  
with PACC Approved

A motion was made by Mr. Zeigler, seconded by Mr. Schmalz, to approve Resolution 04-2 allowing cooperative purchasing with PACC. Motion passed unanimously.

### 7.2 Change Order #1-18 Beneficial Reuse Project

This change order is for a collection of items for contract 1 (general contractor) detailed on page 2 of the Engineer’s Report. The total cost of the change order is \$36,823.43.

Change Order #1-18 Beneficial Reuse Project Approved	A motion was made by Mr. Schmalz, seconded by Mr. McShea, approve Change Order #1-18 Beneficial Reuse Project in the amount of \$36,823.43. Motion passed unanimously.
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**7.3 Change Order #4-8 Beneficial Reuse Project**

This change order is for a collection of items for contract 4 (electrical contractor) detailed on page 2 of the Engineer’s Report. The total cost of the change order is \$4,466.95.

Change Order #4-8 Beneficial Reuse Project Approved	A motion was made by Mr. Schmalz, seconded by Mr. McShea, approve Change Order #1-18 Beneficial Reuse Project in the amount of \$4,466.95. Motion passed unanimously.
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**7.4 Requisitions**

Construction Fund Stage 6-126	App. #22 Myers	\$959,731.45
Construction Fund Stage 6-127	App. #12 Johnson	\$18,303.65
Construction Fund Stage 6-128	App. #15 McCrossin	\$119,856.30
Construction Fund Stage 6-129	App. #20 Biter1	\$153,433.71
Construction Fund Stage 6-130	App. #22 HRG-CM	\$47,437.01
Construction Fund Stage 6-131	App. #21 HRG-RPR	\$22,320.54
Construction Fund Stage 6-132	U.S. Filter	\$21,050.00
Construction Fund Stage 6-133	Continental	\$20,236.40

Construction – Requisitions Approved	A motion was made by Mr. Coe, seconded by Mr. Schmalz, to approve the Construction Requisitions as corrected under the Financial Report. Motion passed unanimously.
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BRIF #30	PADOT/Lemont Bridge	\$13,548.23
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Bond Redemption & Improvement Fund Requisition Approved	A motion was made by Mr. Coe, seconded by Mr. McShea, to approve the BRIF Requisition No. 30 in the amount of \$13,548.23. Motion passed unanimously.
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## MINUTES

### UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

#### Regular Meeting – May 19, 2004

#### 1. Call to Order

Ms. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:04 p.m. on Wednesday, May 19, 2004. The meeting was held in the Board Room in the office of the State College Borough Water Authority, 1201 West Branch Road, State College, PA 16801.

#### 2. Roll Call

Messrs. Coe, Dempsey, Klapac, McShea, Schmalz, Schwab, Zeigler, Ms. Barnes and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Steve Welch, Project Manager; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Brian Book and Doug Weikel, HRG; Mark Whitfield, State College Borough; Dan Abruzzo, CBICC; Tom Songer, Heritage I; Bob Crum and Sebastian DeGregorio, Centre Regional Planning; and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – April 21, 2004

The Board considered the UAJA minutes of the Regular Meeting held on April 21, 2004 and offered the following corrections;

- Page 7 take out the word “total” in the sentence (1.97% of the contracts)
- Page 7 under applications for Payment: change the App No. 19 to 20.
- Page 8 under Senate Bill 1042 “electing to us reuse water” should read “electing to use reuse water”.
- Page 8 CDEC should read DCED.
- Page 11 under Requisitions, the amount of Construction Fund State 6-128, App. #15 McCrossin should be \$119,865.30.
- Page 12 in the motion to approve Revenue Fund Requisition No. 78, the amount should be \$1,500,000.00.

UAJA April 21, 2004 Meeting Minutes Approved
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A motion was made by Mr. Schmalz, seconded by Mr. Zeigler, to approve the minutes of the UAJA Regular Meeting held on April 21, 2004 as corrected. The motion passed unanimously.

#### 4. Public Comment Period

4.1 Mr. Crum reviewed with the Board zoning requests under consideration by the municipalities that may result in expansion of the UAJA sewer service area and their impact on the sewer system.

- 4.2 Mr. Songer informed the Board that his commercial building located at 2041 Cato Park was billed for 3 EDU's even though on the annual report he provided information that there was only one tenant with one employee in this building. Mr. Songer further stated that if his tenants would have increased or if the employees would have increased his bill would be higher but in this case both have decreased and the bill remained the same. Following further discussion regarding Mr. Songer's account, the board asked that a letter be forwarded to Mr. Songer regarding how his bill was calculated in regards to the information he provided. This correspondence will be reviewed by a Board representative prior to being forwarded to Mr. Songer by the end of next week. Mr. Songer stated he would pay this bill under protest to avoid any penalties due to the time restraints of the due date.

## 5. Reports of Officers

### 5.1 Financial Report

The Financial Report for the period ending April 2004 was presented to the Board for their review.

Mr. Smith reported that the budget report was submitted in the meeting package for the Board's review. The accounts are where they should be in regards to the budgeted amounts.

The following information was discussed in regards to the Year to Date Budget Report:

On page 5; the amount in the UAJA Flow to PSU Plant line item is an annual fee.

On page 10; the alum, chlorine and sulfur dioxide amounts are due to new equipment not being installed in the timeframe that was given by the contractors.

On page 14; the line item for power was discussed. Power costs are slightly higher than anticipated. 44.7% of budget has been spent after 33% of the year.

### 5.2 Chairman's Report

Ms. Bressler had no report.

### 5.3 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 no exceptions to our NPDES permit. The 12-month rolling average flow for April was 5.40 mgd with the average for the month being 5.56 mgd.

There were no inspections by DEP this month although DEP was notified of a minor spill which occurred at the Meter Bldg. A representative of US Filter inadvertently closed one channel before opening the bypass channel. This caused head pressure against a closed gate and the inability for one man to lift the gate. Flow was turned off at the Main Station to ease the pressure and allow the gate to be removed.

Treatment units on line are as follows: primary clarifiers #1, #2, and #3; aeration basins #1 and the new aeration basin; secondary clarifiers' #2, #3 and #4; and tertiary filters by-passed

#### **Plant Maintenance**

##### **Plant General**

- Roof leaks were repaired in the Control and Chlorine Bldgs.

- Brush removal around the plant security fence was started.
- The new loader for the Compost facility was ordered.
- The power line feeding the street lights on the hill was buried.
- There were 29 trees planted along Spring Creek utilizing funds received through a grant Dave Smith acquired for UAJA last year.

### **Primary Building**

- The Jet Truck was used to unplug the scum line between the Primary and Dewatering Bldgs.
- Installed three new MAC boxes for the diaphragm pumps.

### **Dewatering**

- The drive end oil seal and blower pulley were replaced on #4 Tuthill blower.
- Replaced the belts on #7 Tuthill blower.

### **Main Station**

- The contractors replaced the complete shaft coupler on pump #3 and the spring connector on the coupler on #2 pump.
- The wet well transducer failed causing the pumps to cycle on and off together. A new transducer was installed and another ordered for backup.

Mr. Brant informed the Board that the filters are back online in the tertiary building as of May 13 with the operators receiving training on the operation and maintenance of the filters. John Sengle, DEP, was notified prior to the filters being put back in operation.

A question was raised regarding the high alum usage. Mr. Brant's response was that the usage is higher to keep the TSS in control in lieu of operable tertiary filters.

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

## **5.4 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 – None
- (UA) Lateral Repairs – (1) 432 Rolling Ridge Dr.
- (UA) Mainline Cleaning – (0) manholes inspected- 0 feet cleaned)
- (UA) Mainline Repairs – 10% complete @ Douglas Drive mainline rehab project.
- (UA) Manhole Repairs – None
- (UA) Manhole Casting Repairs – (10)
- (FTA) Lateral Installations – (1) Lot 1 Meckley Drive
- (FTA) Lateral Repairs – None
- (FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)
- (FTA) Mainline Repairs – None
- (FTA) Manhole Repairs – None
- (FTA) Manhole Casting Repairs – None

We TV'd laterals in Pine Grove Mills. We did topsoil work and yard restoration at several lateral repair sites, from the winter. We helped the Water Authority by cleaning their big process tanks and disposing of the debris. We cleaned out two (2) storm drain pipes for Patton Township.

**I/I Inspection:** (We TV'd 7,875ua/0 fta feet of mainline and inspected 46 ua/0 fta MH's .)  
Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)  
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 are rebuilding our spare pumps to make them serviceable. Rebuilt a pump at the Douglas Drive station. Making repairs to telemetry system. Cleaning grease from wet wells. Helping the construction crew on the Douglas Drive mainline rehab project when time allows.

**INSPECTION:**

**Inspection**

Hillside Farms Ph2B, Lexington Place Lot51 Duplexes,  
Golden Orchards Estates

**Mainline Construction:**

- a. Landings ph4,sec3 – Construction is complete. Awaiting As-builts.
- b. Sterns Crossing – Construction is approximately 98% complete.
- c. Innovation Blvd/PSU – TV inspection showed 15± deficiencies. Reconstruction scheduled.
- d. Cottonwood Drive – Construction is approximately 30% completed.
- e. Lexington Place Ph3 – Construction is complete. Reviewing As-builts.
- f. Saybrook Phase 7 – Construction is approximately 85% completed.
- g. Independence Place Ph 3&4 – Construction is approximately 50% completed.
- h. Oakwood Phase 7 – Construction is approximately 65% completed.
- i. Teaberry Ridge 3B – Construction is approximately 75% completed.
- j. Alpha Ambulance – Construction is approximately 95% completed

**New Connections:**

a.	Single-Family Residential	40	c.	Commercial	1
b.	Multi-Family Residential	0	d.	Industrial	0
					TOTAL 41

Mr. Lahr informed the Board that Scott Driver, a collection system staff member, was hospitalized due to severe headaches and high fever. Mr. Driver has been tested for the West Nile virus and Lime Disease. Results are still pending.

A public informational meeting is scheduled for June 2<sup>nd</sup> at the Radio Park elementary school to give information to the residents of Curtin and Harris streets regarding the backlot sewer replacement project that will begin there in the near future.

**5.5 Construction Projects Report**

The following comments are as presented to the Board in the written report prepared by Stephen T. Welch, Project Manager.

Construction progress continues to move forward at a steady pace. At this writing (5/12/04) the

tertiary filters are being test run, prior to being placed into full operation. The construction of aeration tank #2 continues. The work on the compost facility continues also. The foam insulation and hard coating should be completed this week. The exterior of the building is complete except for trim. We are in the process of starting the new utility water pumps. Once they are up and running this will allow us to start the head works equipment for grit removal and coarse screening.

There has been little activity on the Clusters Meter project. The contractors have been assembling materials for a June start. A pre-construction meeting was held on 5/7/04 in regards to the transmission line. The notice to proceed has been issued. The contractor will be mobilizing over the next several weeks. They plan to dig some test pits along the pipeline corridor to gage rock conditions.

Six pay applications drawn on the construction fund for a total of \$ 2,386,423.99 were presented for the Board's approval. The pay applications are as follows:

Contract02-1 General Construction-Allan A. Myers  
Application #23- \$1,981,897.46

Contract 02-2 Plumbing & Heating-Robert Johnson  
Application #13- \$19,631.75

Contract 02-3 HVAC-G. M. Mc Crossin  
Application #17-\$ 186,643.08

Contract 02-4 Electrical- Bob Biter Electric  
Application #21- \$98,094.33

HRG-Construction Management  
Application #23 \$ 30,999.07

HRG-RPR  
Application # 22- \$ 69,158.30

Mr. Welch informed the Board that more equipment is being put online weekly. The insulators at the compost facility should be done this week or early next week. Work continues on the second aeration tank and restoration has begun on some areas.

Mr. Zeigler asked if the pay application numbers are correct in this report as they are different in the executive director's report and will need to be clarified prior to the requisitions being approved. Mr. Welch reported that his numbers are correct.

The engineers report will detail construction activities since our last meeting.

## **5.6 Engineer's Report**

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

### **Retainer**

The Chapter 94 Report to the DEP is in, but we have not received any response to it. We have had discussions with Cory, Dave and Dick Campbell regarding the Act 57 Tapping Fees. There will be an informational conference presented by HRG at the Ramada in State College on June 8<sup>th</sup>, and you are all invited to attend.

### **Rock Road Sewer Relocation**

We have revised these record drawings as requested.

### **Beneficial Reuse**

#### **Transmission Line Construction**

Rights-of-Way: The ROW's are complete.

PennDOT Highway Occupancy Permit: The HOP is complete.

College Township Highway Occupancy Permit: I am not aware of any outstanding issues. College Township was present at the job conference.

Centre County Conservation District: The County has approved the Stormwater/E&S NPDES permit and forwarded it on to DEP. Mr. Paul Dombowski is reviewing the documents. At a recent meeting with the DEP, we were told that we will have the permit shortly.

Job Conference No. 1: We had the preliminary job conference on May 7<sup>th</sup>, and minutes are attached.

### **Water Service Extension**

We have not gotten a response yet from our most recent submittal. Subject to CTWA approval, we will collect prices from A. A. Myers and Laurel Management.

### **Construction Phase**

We continue to perform Construction Administrative functions for the project including responding to RFI's and processing submittals. The plant continues to use existing Aeration Tank #1 and new Aeration Tank #1 while Aeration Tank #2 is being constructed. We have been experiencing aeration control problems due to change in parameters (warmer weather) that are being addressed. The following is a list of most process units and their status:

<b>Process Unit</b>	<b>Status</b>
College Harris Pump Station	Partial Utilization – in operation
Headworks/Grit	Ready to start when building HVAC completed
Primary Clarifiers	Compressor Building to finish & concrete repair
Aeration Tanks	#1 being operated; #2 under construction
Secondary Clarifier #4	In operation
Secondary Clarifier Pump Station	Partial Utilization – in operation
Intermediate Pump Station	Not started yet
Tertiary Filters	Being started up 5/12; expect placed into operation 5/13
Utility Water Pumps	Started; expect placed into operation 5/13
UV	After tertiary filters placed into operation – June
Dewatering	Partial Utilization – in operation
Compost	Under construction – June/July start-up
AWT Feed Pump Station	Under construction
AWT Building	Under construction

On April 28, 2004, during start-up of the filter screen, all channels had gates installed forcing flow into the screen. The filter screen manufacturer dropped the gate in front of the filter to simulate high flow conditions and was unable to remove it. This caused the channels to

overflow. The doors were opened and the raw sewage escaped the building. The Contractor removed the gates and re-mediated the spill area with lime.

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted to date as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

We recommend approval of the following:

**Change Orders:**

No.	Contract	Description	Subtotal	Total
1-19	GENERAL	Install sanitary sewer and potable water laterals to the new portion of the Compost Locker Room Area.	\$ 9,975.70	\$ 9,975.70
<b>Total</b>			<b>\$ 9,975.70</b>	<b>\$ 9,975.70</b>

Reasons for Change Order Items:

No.	Reason
1-19	New water and sewer laterals are required. The existing laterals cannot be tapped because the existing electric room is between the two areas.

As shown on the attached logs and schedules, the total approved Change Orders for all Contracts amount to \$881,242.96 (2.07% of the total contracts) of which the Tertiary Filter replacement represents 1.42%. The total approved Change Orders for Contract 02-1 is \$858,578.18 (2.58% of the total contract). Without the Tertiary Filter replacement, the total Change Orders for Contract 02-1 is \$252,372.79 (0.76%). CO 1-19 represents 0.03% of the contract price.

**Applications for Payment:**

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	23	\$ 1,981,897.46
02-2	Plumbing	Robert Johnson Heating & Plumbing	13	\$ 19,631.75
02-3	HVAC	G.M. McCrossin, Inc.	17	\$ 186,643.08
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	21	\$ 98,094.33
<b>Total</b>				<b>\$ 2,286,266.62</b>

**Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #24 is attached, which describes the construction activities that occurred during the past month for your information.

### **Harris/Curtin Sewer Rehabilitation**

Dick Campbell has the ROW's and is collecting the additional easements.

### **Chemcut Pump Station Rehabilitation**

We have developed a scope of services and proposal for this project based upon discussions with Mark and Dick.

### **Berrena's Property Pin Relocation**

We are gathering courthouse data to replace two property pins related to last years sewer rehabilitation project in Pine Grove Mills.

### **Plan Reviews**

<b>Project Name</b>	<b>Design /As-Built</b>	<b>Status</b>	<b>Date</b>
Mount Nittany Terrace Ph 2	Design	Comments to staff	03/02/04
Rolling Ridge	Design	Recommend Approval	04/23/04
The Landings, Phase 5	Design	Comments to staff	03/03/04
Lexington Place, Lot 51	As-Built	Recommend Approval	04/21/04
Cobblecreek	Design	Comments to staff	05/03/04
Golden Orchard Estates	As-Built	Comments to staff	04/02/04
Golden Orchard Estates	As-Built	Recommend Approval	04/28/04
Saybrook, Ph 7	Design	Comments to staff	05/07/04

## **5.7 Executive Director's Report**

### **Sewer Service Area Expansion**

Both Patton Township and Ferguson Township have taken actions which may result in expansion of the UAJA sewer service area. There are other potential areas for expansion as well. It is important for UAJA board members to know where these locations are, and the potential impact on the sewer system. Bob Crum, Senior Planner for the Centre Region Planning Agency, will briefly describe these areas and their potential impact on the UAJA system.

### **May 24 COG General Forum**

A presentation will be made to the COG General Forum describing in detail the steps the region will need to take to expand the sewer service area, estimates of the time involved, as well as future impacts on the UAJA system.

### **TMDL Modeling**

Last Fall, UAJA authorized Gannet-Flemming to develop a Total Maximum Daily Load (TMDL) computer model for Spring Creek. The project was funded jointly by the Penn State Office of Physical Plant and UAJA. The first draft of the modeling results have been produced. A presentation of results will be scheduled for the July meeting. The COG executive committee would like to have the presentation at their June meeting.

### **Riparian Tree Planting Grant**

In 2002 UAJA applied for and received a Growing Greener Riparian Tree Planting Grant in the amount of \$10,000. Last year a portion of those funds were used to plant trees on the Penn State Farm #5 along Spring Creek. Earlier this month the remaining funds were used for trees that were planted on the farm between Houserville and the Trout Road bridge. Pictures were made available for the board's review.

## 6. Old Business

### 6.1 Request by Windmere Centre for Change in the Method of Determining Tapping Fees

On December 30, 2003 Thomas F. Songer II, on behalf of Windmere Centre, requested that UAJA revise its method of determining tapping fees. At the January meeting, the UAJA board discussed the matter in executive session because of the potential legal challenge as mentioned in Mr. Songer's letter. The UAJA board instructed staff to review UAJA's tapping fee policy and if needed, convene a subcommittee of the UAJA board to review the findings. Staff reviewed the UAJA rate resolution and consulted with a tapping fee expert as well as UAJA's legal counsel.

The result of the review indicated that UAJA's method of determining tapping fees is legal. However, recent legislation does require UAJA to conduct a study to ensure that the tapping fee calculation is consistent with Act 57, which was passed in December 2003. Act 57 gives municipal Authorities 18 months to comply with the act. As was suggested at the September 2003 UAJA board meeting, a full review of UAJA's rates will be considered after the current plant construction project is substantially complete. At this time, that appears to be December 2004.

Request to Adjust Method of Calculating Tapping Fees for Windmere Place Denied
--

A motion was made by Mr. Zeigler, seconded by Mr. Schmalz, to deny the request to adjust UAJA's method of calculating tapping fees for Windmere Place. The motion passed unanimously.

### 6.2 Discussion of Several Sewer Rental Accounts That Have Received Previous Special Dispensation by the Board

A list of accounts that have received special dispensation over the years or have been historically billed by water usage was given to the board. Staff is looking for guidance from the board to bill these accounts under the current rate resolution. Following a review of the accounts, the board requested that each account owner be notified so that they can be in attendance at the June meeting to discuss their account with the board.

## 7. New Business

### 7.1 2003 Audit Report

The draft audit report was distributed to board members at the meeting. A brief overview of the report was provided. Board members were asked to review the draft audit report and provide questions or comments before the June meeting. The report will be presented for approval in June.

## 7.2 Change Order #1-19 Beneficial Reuse Project

This change order is for sanitary sewer and water laterals to the new Compost Building locker room. Details are provided in the Engineers Report. The total cost of the change order is \$9,975.70.

Change Order #1-19 Beneficial Reuse Project Approved	A motion was made by Mr. Schwab, seconded by Mr. Coe, approve Change Order #1-19 Beneficial Reuse Project in the amount of \$9,975.70. Motion passed unanimously.
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## 7.3 Requisitions

Construction Fund Stage 6-134	App. #23 Myers	\$1,981,897.46
Construction Fund Stage 6-135	App. #13 Johnson	\$19,631.75
Construction Fund Stage 6-136	App. #17 McCrossin	\$186,643.08
Construction Fund Stage 6-137	App. #21 Biter	\$98,094.33
Construction Fund Stage 6-138	App. #23 HRG-CM	\$30,999.07
Construction Fund Stage 6-139	App. #22 HRG-RPR	\$69,158.30

Construction – Requisitions Approved	A motion was made by Mr. Schmalz, seconded by Mr. Klapac, to approve the Construction Requisitions as corrected. Motion passed unanimously.
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## 8. Other Business None

## 9. Adjournment

There being no further business to come before the Board, the meeting adjourned at 6:10 p.m.

## 10. Executive Session – Contract Negotiations

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

BRIAN A. DEMPSEY  
Secretary

# MINUTES

## UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

### Regular Meeting – June 16, 2004

#### 1. Call to Order

Ms. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:02 p.m. on Wednesday, June 16, 2004. The meeting was held in the Board Room in the office of the State College Borough Water Authority, 1201 West Branch Road, State College, PA 16801.

#### 2. Roll Call

Messrs. Coe, Klapac, McShea, Schmalz, Schwab, Zeigler, Ms. Barnes and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Steve Welch, Project Manager; Dick Lahr, Collection System Superintendent; Brian Book and Doug Weikel, HRG; Richard Campbell, Solicitor; Steve and Kathy Herr; Carl Lauck, Sandy Erwin; Pauline McVay; and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – May 19, 2004

The Board considered the UAJA minutes of the Regular Meeting held on May 19, 2004 and offered the following corrections;

- Under Collection System Superintendent's Report;
  - The report information was not changed from the previous month's report.
  - Under the informational item regarding Scott Driver, change sever to severe.
- Other changes were made due to sentence structure.

UAJA May 19, 2004 Meeting Minutes Approved
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A motion was made by Mr. Zeigler, seconded by Mr. Schmalz, to approve the minutes of the UAJA Regular Meeting held on May 19, 2004 as corrected. The motion passed unanimously.

#### 4. Public Comment Period

##### 4.1 Agenda Item 8.4

Five commercial customers that have either received special dispensation by the Board or have been billed by water usage were notified that their status was under review so that they could be in attendance for the meeting to present any pertinent information. The customers that were in attendance briefly described their current situation and asked that Board continue billing their account in the same manner as it is currently being billed.

Special Dispensation by
-------------------------

A motion was made by Mr. Schmalz, seconded by Mr. Schwab, to continue billing the five sewer rental accounts (Old Oak Tavern, VFW Post 5825, massage business located at 540

the Board Approved

Scotia Road, Pauline's Creative Designs and the State College Legion) as they are currently being billed for a period of one year or until another form of billing is established for the entire system. The motion passed by majority of the votes with Mr. Zeigler opposing the vote.

## 5. Reports of Officers

### 5.1 Financial Report

The Financial Report for the period ending May 2004 was presented to the Board for their review.

Mr. Smith reported that the budget report was submitted in the meeting package for the Board's review. Most accounts are tracking in line with the budgeted amounts.

The following information was discussed in regards to the Year to Date Budget Report:

On page 6; the amount in the Interest Paid-1993 Bond Issue is higher due to all of the bond interest being lumped by the trustee into one account.

On page 10; the amounts in Skid Steer 1845-Compost and Front End loader 621-Compost are due to unanticipated repairs. The front end loader was repaired so that it could be utilized in the field.

### 5.2 Chairman's Report

Ms. Bressler reported that the Good Shepard Lutheran Church had contacted her regarding the increase in their sewer bill due to the calculations from their annual report. Mr. Miller informed the Board that he has talked with the Church and the issue has been resolved. There was an error in the way they reported some of the information.

### 5.3 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 no exceptions to our NPDES permit. The 12-month rolling average flow for May was 5.37 mgd with the average for the month being 4.50 mgd.

John Sengle of DEP made a routine inspection on May 13th, 2004. He noted the extensive construction on the plant site and took a grab sample from the chlorine contact tank for a Water Quality Protection Analysis. The results were excellent.

Treatment units on line are as follows: primary clarifiers #1, #2, and #3; aeration basins #1 and the new aeration basin; secondary clarifiers' #2, #3 and #4; and four of eight tertiary filters that were returned to service May 13<sup>th</sup>, 2004.

#### **Plant Maintenance**

##### **Plant General**

- The Primary and RAs scum pits were cleaned with the assistance of the collection staff.

- Started relocating the maintenance shop to the Reuse Bldg.
- The Office van and '89 Chevy pick-up were inspected with the pick-up needing a muffler.

### **Dewatering**

- The transducer in tank #5 was replaced.

### **Main Station**

- The batteries for the emergency lighting were replaced.

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

## **5.4 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 – None

(UA) Lateral Repairs – None

(UA) Mainline Cleaning – (0) manholes inspected- 0 feet cleaned)

(UA) Mainline Repairs – (2) 119 October Dr., 137 S. Butz St.

(UA) Manhole Repairs – None

(UA) Manhole Casting Repairs – None

(FTA) Lateral Installations – (1) 402 Meckly Drive

(FTA) Lateral Repairs – None

(FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)

(FTA) Mainline Repairs – None

(FTA) Manhole Repairs – None

(FTA) Manhole Casting Repairs – None

We did some top soil work and restoration at Kirk St. We helped Plant construction by smoke-testing the filter work to make sure of proper dispersal. We have completed our installation and restoration in the 1<sup>st</sup> block of the Douglas Drive Project. We have received several compliments.

**I/I Inspection:** (We TV'd 1,692ua/0 fta feet of mainline and inspected 15 ua/0 fta MH's .)

Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)

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. Replaced the water pump on the Piney Ridge gen-set and a block heater at Scott Rd. Rebuilt #2 pump at the Douglas Drive station. Replaced a float at the Ghaner 2 station. Helped re-build an Ebara pump at Scott Rd., which had a broken shaft.

### **Inspection**

Provisional As-builts Approved: Lexington Place Phase 3

### **Mainline Construction:**

- a. Landings ph4,sec3 – Construction is complete. Awaiting As-builts.

- b. Stearns Crossing – Construction is complete. Awaiting As-builts.
- c. Innovation Blvd/PSU – Corrective repairs have been made, TV re-inspection has been done. (Blasting work near the sewer is scheduled, approval will not be given until that has been re-inspected after the blasting.)
- d. Cottonwood Drive – Construction is approximately 30% completed.
- e. Saybrook Phase 7 – Construction is approximately 95% completed.
- f. Independence Place Ph 3&4 – Construction is approximately 99% completed.
- g. Oakwood Phase 7 – Construction is approximately 90% completed.
- h. Teaberry Ridge 3B – Construction is approximately 99% completed.
- i. Alpha Ambulance – Construction is completed. Awaiting As-builts.

New Connections:

a.	Single-Family Residential	29	c.	Commercial	0	
b.	Multi-Family Residential	0	d.	Industrial	0	
					TOTAL	29

Mr. Lahr updated the Board regarding Scott Driver, a collection system staff member, who had been hospitalized due to severe headaches and high fever. Mr. Driver is still awaiting the test results for the West Nile virus and Lime Disease.

## 5.5 Construction Projects Report

The following comments are as presented to the Board in the written report prepared by Stephen T. Welch, Project Manager.

Construction progress continues to move forward. In some areas it seems to move faster, while others slower. The tertiary filters are on line with the exception of #5. This filter needs a level monitor. There are a few software problems and minor adjustments that need to be incorporated yet. The construction of Aeration tank #2 is still progressing, it's just about done structurally. The Compost facility is showing signs of coming together. The utility water pumps are not up and working due to a software problem in the control panel.

There has been little activity on the Clusters meter project other than paper work. The progress on the transmission line is also very slow. Some test holes were dug to explore for rock were completed.

Six pay applications drawn on the Construction Fund for a total of \$1,550,194.03 were presented for the Board's approval. The pay applications are as follows:

Contract 02-1 General Construction-Allan A. Myers  
Application #24- \$753,956.54

Contract 02-2 Plumbing & Heating-Robert Johnson  
Application #14- \$12,260.70

Contract 02-3 HVAC-G. M. Mc Crossin  
Application #18 \$85,684.30

Contract 02-4 Electrical- Bob Biter Electric  
Application #22 \$611,265.70

HRG- RPR  
Application #23 \$64,803.74

HRG-Construction Management  
Application #24 \$22,223.05

The engineer's report will detail construction activities since our last meeting.

## 5.6 Engineer's Report

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

### Retainer

Chapter 94 Report – We continue to wait for a response from the DEP.

Plan Review Process – Dick Lahr and I are working on some updates to the checklists for drawings submissions as well as the escrow table. It is our intent to continue to streamline the review process.

Scott Road Pump Station – There is a meeting planned for June 15<sup>th</sup>. At the last meeting with Ebarra, we discussed the continued pump failures without resolution. The pumps themselves have discharge pressures which match the certified performance curves and design conditions. We will be checking our design calculations and survey over the next few weeks to make sure there are no surprises. In general the discussion focused on the dynamics of the pump start/stop, the VFD's and controls and operational issues. Everyone continues to be concerned regarding the reliability of this pump station.

Act 57 – Thanks to Cory, Bob and Bill for attending our session. We hope it was informative regarding the new tapping fee regulations.

### Beneficial Reuse

#### Transmission Line Construction

The construction is ready to begin. To date we have been talking to Laurel Management about shop drawings, and the most recent log is attached for your information. Also, there is a Job Conference scheduled for 9AM, June 14<sup>th</sup>.

#### Water Service Extension

We have a tentative meeting set with CTWA for June 17<sup>th</sup> or 18<sup>th</sup> to finalize the water service extension design and developer's agreement.

### Construction Phase

We continue to perform Construction Administrative functions for the project including responding to RFI's and processing submittals. The plant continues to use existing Aeration Tank #1 and new Aeration Tank #1 while Aeration Tank #2 is being constructed. We have been experiencing aeration control problems due to change in parameters (warmer weather) and a rain water leak that are being addressed. The following is a list of most process units and their status:

Process Unit	Status
College Harris Pump Station	Partial Utilization – in operation
Headworks/Grit Primary Clarifiers	Ready to start when building HVAC completed Compressor Building to finish & concrete repair
Aeration Tanks	#1 being operated; #2 under construction

Secondary Clarifier #4	In operation
Secondary Clarifier Pump Station	Partial Utilization – in operation
Intermediate Pump Station	Not started yet
Tertiary Filters	Placed into operation 5/13; partial utilization
Utility Water Pumps	Control Panel problems need corrected
UV	Set first unit 6/9
Dewatering	Partial Utilization – in operation
Compost	Under construction – June/July start-up; biofilter media concerns
AWT Feed Pump Station	Under construction
AWT Building	Under construction

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted to date as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

We recommend approval of the following:

**Change Orders:**

No.	Contract	Description	Subtotal	Total
3-4	HVAC	ROOF OPENING AND SUPPORT AT HEADWORKS	\$ 1,464.93	\$ 1,464.93
4-9	ELECTRICAL	POWER TO MAINTENANCE OVERHEAD DOOR (VACTOR)	\$ 1,752.76	\$29,279.05
		ALUM BLDG TEMP FEED	\$ 671.00	
		CHANGE STARTERS TO SURGE BIN	\$26,855.29	
<b>Total</b>				<b>\$30,743.98</b>

Reasons for Change Order Items:

3-4	Roof opening and support is required for installation of new exhaust fan.
4-9	Overhead door supplied with motor. Cost is to energize motor.
	Duct bank demolished during AWT Feed Pump Station construction, temporary power needed to keep alum in operation.
	Reversing augers in surge bin changed horsepower.

As shown on the attached logs and schedules, the total approved Change Orders for all Contracts amount to \$891,218.66 (2.10% of the total contracts). The total approved Change Orders for Contract 02-3 is \$(66,118.04) (2.25% of the total contract). CO 3-4 represents 0.03% of the contract price. The total approved Change Orders for Contract 02-4 is \$83,502.82 (1.86% of the total contract). CO 4-9 represents 0.65% of the contract price.

**Applications for Payment:**

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	24	\$ 753,956.54
02-2	Plumbing	Robert Johnson Heating & Plumbing	14	\$ 12,260.70
02-3	HVAC	G.M. McCrossin, Inc.	18	\$ 85,684.30
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	22	\$ 611,265.70
				\$ 1,463,167.24

**Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #25 is attached, which describes the construction activities that occurred during the past month for your information.

**Harris/Curtin Sewer Rehabilitation**

Dick Campbell has the ROW's and is collecting the additional easements. We are reviewing our records to consider what additional property pin information should be recorded prior to the start of construction.

**Chemcut Pump Station Rehabilitation**

A preliminary cost estimate of \$ 225,000 has been forwarded to Dave, and we have begun the design effort.

**Berrena's Property Pin Relocation**

The site survey and investigation is scheduled for June 22<sup>nd</sup>, weather dependent.

**Plan Reviews**

Project Name	Design /As-Built	Status	Date
Mount Nittany Terrace Ph 2	Design	Recommend Approval	05/28/04
The Landings, Phase 5	Design	Comments to staff	03/03/04
Cobblecreek	Design	Recommend Approval	05/28/04
Golden Orchard Estates	As-Built	Recommend Approval	05/18/04
Saybrook, Ph 7 & 8	Design	Recommend Approval	05/18/04
Wiltree Townhomes	Design	Under Review	06/15/04

**6.0 Executive Session to Discuss Contract Negotiations and Potential Litigation**

**6.1 Contract with American Federation of State, County, and Municipal Employees District Council 83 Local 1203U**

Contract with American Federation of State, County, and Municipal Employees District Council 83 Local 1203U  
Approved

A motion was made by Mr. McShea, seconded by Mr. Zeigler, to approve the four year contract with American Federation of State, County and Municipal Employees District Council 83 Local 1203U. The motion passed unanimously.

## 6.2 Cost of Living Adjustment for Non-Union Employees

Cost of Living  
Adjustment for Non-  
Union Employees  
Approve

A motion was made by Mr. Zeigler, seconded by Mr. Klapac, to approve the Cost of Living Adjustment for Non-Union Employees. The motion passed unanimously.

## 6.3 DEP Consent Order

DEP Consent Order  
Accepted

A motion was made by Mr. Coe, seconded by Mr. Schwab, to accept the Department of Environmental Protection Consent Order in the amount of \$1,200.00. The motion passed unanimously.

## 7. Reports of Officers (cont.)

### 7.1 Executive Director's Report

A presentation will be made to the COG General Forum describing the preliminary results of the Total Maximum Daily Load (TMDL) modeling which is being accomplished as a joint venture between the Penn State Physical Plant and UAJA. In addition, a brief introduction to the concept of extending the Reuse Water Line to the Centre Hills Country Club will be provided.

#### DCED Grant Obtained

UAJA has received written notice that a Department of Community and Economic Development (DCED) grant will be awarded to UAJA. The amount of the grant is \$50,000 towards the Beneficial Reuse Phase I Transmission Line. Senator Jake Corman, who was instrumental in obtaining this funding, will present the check at a future COG General Forum meeting.

#### John Susan

John Susan an employee of UAJA recently earned his high school diploma. The Board wishes to congratulate Mr. Susan on his achievement.

#### Halfmoon Township COLDS

Information was recently received regarding the COLD system in Halfmoon Township. The Board will be updated once staff has had an opportunity to review this information.

## 8. Old Business

### 8.1 Final Design – Mt. Nittany Terrace, Phase 2

Final design drawings for the Mt. Nittany Terrace Phase 2 sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 36 EDU's of single family homes. The review comments have been addressed.

**Final Design – Mt.  
Nittany Terrace, Phase 2  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Zeigler, to approve the Final Design – Mt. Nittany Terrace, Phase 2. The motion passed unanimously.

## **8.2 Final Design – Saybrook Phases 7 and 8**

Final design drawings for the Saybrook Phases 7 and 8 sewer extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 27 EDU's of single family homes. The review comments have been addressed.

**Final Design- Saybrook  
Phases 7 and 8  
Approved**

A motion was made by Mr. Schwab, seconded by Mr. Coe, to approve the Final Design – Saybrook Phases 7 and 8. Motion passed unanimously.

## **8.3 Final Design – Cobble Creek Phase 2**

Final design drawings for the Cobble Creek Phase 2 sewer extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 35 EDU's from 17 duplexes. The review comments have been addressed.

**Final Design - Cobble  
Creek Phase 2  
Approved**

A motion was made by Mr. Schwab, seconded by Mr. Coe, to approve the Final Design – Cobble Creek Phase 2. Motion passed unanimously.

## **8.4 Discussion of Several Sewer Rental Accounts That Have Received Previous Special Dispensation by the Board (See Public Input)**

## **8.5 2003 Audit Report**

The draft Audit report was distributed to board members at the May meeting. Staff did not receive any comments or recommendations based upon the draft. The final Audit Report has been prepared.

**2003 Audit Report  
Accepted**

A motion was made by Mr. Zeigler, seconded by Mr. McShea, to accept the 2003 Audit Report. Motion passed unanimously.

## **9. New Business**

### **9.1 Authorization to Advertise an RFP for Phase I Archaeological Work for the Phase 1A Transmission Main**

In order to proceed as directed by the Board with investigation of providing Reuse water to Centre Hills Country Club, a Phase I Archaeological Study must be conducted for parts of the Transmission Main corridor. This Study would have been needed for any future extension of the Transmission Main. HRG and Staff are working on developing the scope and specifications of this study.

**Authorization to Advertise an RFP Approved**

A motion was made by Mr. McShea, seconded by Mr. Schmalz, to authorize staff to advertise the RFP when the scope and specifications are finalized. Motion passed unanimously.

**9.2 Resolution 04-3 Changing Company Contact Information and Trustee for Kathleen Wheeler’s Retirement Account from FTA**

Ms. Wheeler is unable to transfer her retirement money from FTA to UAJA because FTA no longer exists and the Trustee that is listed is deceased.

**Resolution 04-3 Approved**

A motion was made by Mr. Zeigler, seconded by Mr. McShea, to approve Resolution 04-3 Changing Company Contact Information and Trustee for Kathleen Wheeler’s Retirement Account from FTA. The motion unanimously.

**9.3 Change Order #3-4 Beneficial Reuse Project**

This change order is to cut a roof opening and provide necessary support for the opening at the Headworks Building. The total cost of the change order is \$1,464.93.

**Change Order #3-4 Beneficial Reuse Project Approved**

A motion was made by Mr. Schmalz, seconded by Mr. Zeigler, to approve change order 3-4 in the amount of \$1,464.93. The motion unanimously.

**9.4 Change Order #4-9 Beneficial Reuse Project**

This change order is for:

- 1) Provide power to overhead door.
- 2) Provide temporary power to Alum Building
- 3) Upgrade starters for Compost augers.

Detail is provided on Page 2 of the engineer’s report. The total cost of the change order is \$29,279.05.

**Change Order #4-9 Beneficial Reuse Project Approved**

A motion was made by Mr. Schmalz, seconded by Mr. Schwab, to approve Change Order 4-9 in the amount of \$29,279.05. The motion unanimously.

**9.3 Requisitions**

Construction Fund Stage 6-140	App. #24 Myers	\$753,956.54
Construction Fund Stage 6-141	App. #14 Johnson	\$12,260.70

Construction Fund Stage 6-142	App. #18 McCrossin	\$85,684.30
Construction Fund Stage 6-143	App. #22 Biter	\$611,265.70
Construction Fund Stage 6-144	App. #24 HRG-CM	\$22,223.05
Construction Fund Stage 6-145	App. #23 HRG-RPR	\$64,803.74

Construction – Requisitions Approved	A motion was made by Mr. McShea, seconded by Mr. Zeigler, to approve the Construction Requisitions. Motion passed unanimously.
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BRIF #31	PENNDOT	\$28,000.00
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BRIF # 31 Requisition Approved	A motion was made by Mr. Schwab, seconded by Ms. Barnes, to approve the BRIF # 31 Requisition in the amount of \$28,000.00. Motion passed unanimously.
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BRIF #32	Chowns Communications	\$7,592.77
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BRIF # 32 Requisition Approved	A motion was made by Mr. Schwab, seconded by Mr. McShea, to approve the BRIF # 32 Requisition in the amount of \$7,592.77. Motion passed unanimously.
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Revenue Fund #79	Debt Service, Operation &	\$500,000.00
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Revenue Fund # 79 Requisition Approved	A motion was made by Mr. Schmalz, seconded by Mr. Zeigler, to approve the Revenue Fund Requisition # 79 in the amount of \$500,000.00. Motion passed unanimously.
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**10. Other Business**  
None

**11. Adjournment**

There being no further business to come before the Board, the meeting adjourned at 6:15 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

BRIAN A. DEMPSEY  
Secretary

## MINUTES

### UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

#### Regular Meeting – July 21, 2004

#### 1. Call to Order

Mr. Schmalz called the regular scheduled meeting of the University Area Joint Authority to order at 4:03 p.m., due to Ms. Bressler being delayed, on Wednesday, July 21, 2004. The meeting was held in the Board Room in the office of the State College Borough Water Authority, 1201 West Branch Road, State College, PA 16801.

#### 2. Roll Call

Messrs. Coe, Dempsey, Lapinski, McShea, Schmalz, Schwab, Zeigler, and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Steve Welch, Project Manager; Art Brant, Plant superintendent; Dick Lahr, Collection System Superintendent; Brian Book and Doug Weikel, HRG; Richard Campbell, Solicitor; Amy Story, Borough of State College; Dave Gilbert, Gannet Flemming; and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### Agenda Item 7.1

Mr. Gilbert presented to the Board the TMDL modeling project summary of work and preliminary results from the model. Discussion was held regarding what the stream impairments are. What are the TMDLs. How the TMDLs are measured and how it relates to the NPDES Phase II and UAJA. What the condition of Spring Creek is and how a cost effective plan for recovery can be developed.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – June 16, 2004

UAJA June 16, 2004 Meeting Minutes Approved
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A motion was made by Mr. Schmalz, seconded by Mr. Lapinski, to approve the minutes of the UAJA Regular Meeting held on June 16, 2004 as presented. The motion passed unanimously.

#### 4. Public Comment Period

There was no public in attendance.

#### 5. Reports of Officers

##### 5.1 Financial Report

The Financial Report for the period ending June 2004 was presented to the Board for their review.

Mr. Smith reported that the budget report was submitted in the meeting package for the Board's review. Most accounts are tracking in line with the budgeted amounts. Mr. Smith reviewed with the Board the few accounts that have exceeded the budget amounts to-date.

##### 5.2 Chairman's Report

Ms. Bressler stated that she had no report. Mr. Zeigler presented his comments made to the Board of Supervisors at the Ferguson Township meeting held on July 19 regarding the water reuse project. Mr. Zeigler's concerns are that there are no policies in place regarding finding commercial users for the reuse water, allocation of the water among users and the price of the reuse water to the consumer. With current users paying for the project these items should be in place prior to when the water is ready to flow. It is also Mr. Zeigler's belief that elected officials should be taking

responsibility for economic development projects such as the water reuse project to ensure policies are in place. Mr. Steve Miller, Ferguson Township Supervisor, informed Mr. Zeigler that he will begin discussion with the COG Public Service Committee to get written policies and procedures in place. Mr. Zeigler asked that each of the UAJA board members contact their respective elected official on this COG committee and request that they support the discussions to be introduced by Mr. Steve Miller.

### 5.3 **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. Due to an alum pump failure the phosphorus levels exceeded the limit for monthly average. We are below the limit to this point for the month of July. The 12-month rolling average flow for June was 5.26 mgd with the average for the month being 3.76 mgd.

There were no inspections by DEP since my last report.

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

#### **Plant Maintenance**

##### **Plant General**

- Drained and cleaned one train of the chlorine contact tank to facilitate the installation of the UV system.
- Replaced the motor on #1 skimmer drive for primary tanks #1 and #2.
- Replaced the underground wiring for the gate. The wiring had been sheered off three feet from the Master Controller.
- Stockers Chevrolet replaced several parts of the steering system on the '01 Chevy pick-up. This was done under warranty.

##### **Dewatering**

- The motor and pump bearings were replaced on the new polymer system. These were warranted items.
- Cleaned the headers and air diffusers in WAS tank #4.

##### **Main Station**

- The commercial power was lost at the Main Station for approximately 5 hours. The emergency generator operated the pumps until Allegheny Power's crew made their repairs.

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

### 5.4 **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 – None
- (UA) Lateral Repairs – (1) 2053 N.Oak Ln.
- (UA) Mainline Cleaning – (19 manholes inspected- 3,173 feet cleaned)
- (UA) Mainline Repairs – None
- (UA) Manhole Repairs – None
- (UA) Manhole Casting Repairs – (17)
- (FTA) Lateral Installations – (1) Kocher Ln.
- (FTA) Lateral Repairs – (1) Selders Cir.
- (FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)
- (FTA) Mainline Repairs – None
- (FTA) Manhole Repairs – None
- (FTA) Manhole Casting Repairs – None

We are at this writing approximately 60% complete with the Douglas Drive replacement project. We also located

the buried fuel tanks in front of the FTA building. We are nearly finished with doing topsoil work and restoration in Pine Grove Mills as a follow up to our last project.

**I/I Inspection** (We TV'd 3,933ua/0 fta feet of mainline and inspected 25 ua/0 fta MH's .)  
Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)  
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 rebuilt a pump at Scenery Park as well as a spare. We replaced the odor controller at the Scott Rd. station. We cleaned the wet wells at Kaywood, Piney Ridge, and Haymarket. We also worked on the telemetry at Kaywood.

**Inspection**

Provisional As-builts Approved: None

Mainline Construction:

- a. Landings ph4,sec3 – Construction is complete. Reviewing As-builts.
- b. Stearns Crossing – Construction is complete. Reviewing As-builts.
- c. Innovation Blvd/PSU – Corrective repairs have been made, TV re-inspection has been done. (Blasting work near the sewer is scheduled, approval will not be given until that has been re-inspected after the blasting.)
- d. Cottonwood Drive – Construction is approximately 90% completed.
- e. Saybrook Phase 7 – Construction repair is to be completed.
- f. Independence Place Ph 3&4 – Construction is complete. Awaiting As-builts.
- g. Oakwood Phase 7 – Construction is approximately 93% completed.
- h. Teaberry Ridge 3B – Construction is complete. Awaiting As-builts.
- i. Alpha Ambulance – Construction is completed. Awaiting As-builts.
- j. Tradition Point Phase 1C – Construction is approximately 20% completed.

New Connections:

a. Single-Family Residential	26	c. Commercial	0
b. Multi-Family Residential	0	d. Industrial	<u>0</u>
			TOTAL 26

**5.5 Construction Projects Report**

The following comments are as presented to the Board in the written report prepared by Stephen T. Welch, Project Manager.

Construction progress continues to move along. As of this writing areas of focus are the first unit of the ultra violet system. Factory reps are on site doing set up and check out. The second area is aeration train #2. All wall sections have been poured and the tank was filled with water for leak testing. The tank met the specs required for leakage. The third area is the compost facility; it should be in operation by the time you get this report. There will be period of time to make adjustments and address any issues that may come up.

The Clusters meter project is almost complete except for the paving and final clean up. The new flume and associated manholes are in place and they are receiving flow from the borough. The new recording meter has been installed and calibrated as of Tuesday.

The Transmission line project is still in the very early stages of start up with very little activity other than paper work changing hands.

Nine pay applications drawn on the construction fund for a total of \$1,611,258.14 were presented to the Board for approval.

Contract 02-1 General Construction Allan A. Myers  
Application #25 \$1,055,027.40

Contract 02-2 Plumbing & Heating Robert Johnson  
Application #15 \$11,046.60

Contract 02-3 HVAC G. M. Mc Crossin  
Application #19 \$146,775.00

Contract 02-4 Electrical Bob Biter Electric  
Application #23 \$117,644.75

HRG Construction Management  
Application #25 \$37,417.07

HRG Construction Management  
Application #26 \$25,882.66

HRG RPR  
Application #24 \$71,576.03

HRG RPR  
Application #25 \$49,555.63

Groff Tractor New Front End Loader  
\$95,333.00

The engineer's report will detail construction activities since our last meeting.

## 5.6 Engineer's Report

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

### **Retainer**

Plan Review Process – New checklists that include many of the current requirements for Design and Record Drawings have been developed. The checklists have been posted on your website.

Scott Road Pump Station – We have received a report back from the representative of the pump manufacturer which characterizes the reliability issues at the pump station. In general, the pump manufacturer provided pumps which match the specifications, and the specifications have been checked relative to a new survey HRG just conducted. From this we conclude that the design was correct and the pumps supplied met the contract. The problem appears to be that the controls (supplied independently) either do not have a torque limiting device installed or the limiting system is not programmed. I can discuss this further at your meeting.

### **Beneficial Reuse**

#### **Transmission Line Construction**

A change order is moving through the system for a deduct of \$10,637 that allows for a substituted pipe fitting to be used. We also have a Job Conference scheduled for Friday, July 16<sup>th</sup> to review the status of the project. If we have the change order completed before the Authority meeting, I will present it for Authority action. Also, if we receive a schedule from Laurel Management and have the Meeting Minutes, I will provide copies of these items to the board as a supplemental to this report.

#### **Water Service Extension**

CTWA has approved our water service extension, and a draft agreement has been forwarded to UAJA for execution. There are two easements that UAJA needs to obtain and then dedicate to CTWA. One is from the owner of the Independence Place development, and the other is for your own property. Finally, we have gone back to the two existing General Contractors involved with the Beneficial Reuse Project and requested a change order price to install the water service. We will select the most favorable proposal and move forward on getting the service extending to UAJA.

#### **Construction Phase**

We continue to perform Construction Administrative functions for the project including responding to RFI's and processing submittals. The following is a list of most process units and their status:

Process Unit	Status
College Harris Pump Station	Partial Utilization – in operation
Headworks/Grit	Ready to start when building HVAC completed
Primary Clarifiers	Compressor Building to finish & concrete repair
Aeration Tanks	#1 being operated; #2 structure complete; equipment being installed
Secondary Clarifier #4	In operation
Secondary Clarifier Pump Station	Partial Utilization – in operation
Intermediate Pump Station	Not started yet
Tertiary Filters	Placed into operation 5/13; partial utilization
Utility Water Pumps	Placed into operation; Control Panel problems need corrected
UV	Unit #1 being started this week
Dewatering	Partial Utilization – in operation
Compost	Expect to start process this week
AWT Feed Pump Station	Under construction
AWT Building	Under construction

As you can see, July and August will be a busy time starting processes and completing outstanding issues. Beginning August, we expect only Aeration Tank #3, Intermediate Pump Station, and the piping of the Advanced Water Treatment system to be remaining large items.

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted or we have requested to date, as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

We recommend approval of the following:

**Change Orders:**

No.	Contract	Description	Subtotal	Total
1-20	GENERAL	AWT - MF PIPING	\$110,076.57	\$ 179,938.05
		BIOFILTER NETTING	\$12,995.00	
		AWT - RO PIPING	\$56,866.48	
<b>Total</b>			<b>\$179,938.05</b>	

Reasons for Change Order Items:

1-20	Revised piping to the Micro Filter Units from that shown on the Bid Documents.
	Change the separation fabric from geotextile to netting to allow free movement of air.
	Revised piping to the Reverse Osmosis Unit from that shown on the Bid Documents.

As shown on the attached logs and schedules, the total approved Change Orders for all Contracts amount to \$920,497.71 (2.16% of the total contracts). The total approved Change Orders for Contract 02-1 is \$868,553.88 (2.61% of the total contract). CO 1-20 represents 0.54% of the contract price.

**Applications for Payment:**

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	25	\$ 1,055,027.40

02-2	Plumbing	Robert Johnson Heating & Plumbing	15	\$ 11,046.60
02-3	HVAC	G.M. McCrossin, Inc.	19	\$ 146,775.00
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	23	\$ 117,644.75
				<b>\$ 1,330,493.75</b>

**Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #26 is attached, which describes the construction activities that occurred during the past month for your information.

**Cluster’s Meter Chamber**

We have reviewed and forwarded the first application for payment from G.M. McCrossin for the General Construction work on this project in the amount of \$19,001.21. The total contract is for \$148,183.46. There was a start-up and review meeting for the meter chamber and instrument conducted on July 2, 2004.

**Harris/Curtin Sewer Rehabilitation**

Dick Campbell has the ROW’s and is collecting the additional easements. We are reviewing our records to consider what additional property pin information should be recorded prior to the start of construction.

**Chemcut Pump Station Rehabilitation**

A preliminary cost estimate of \$ 225,000 has been forwarded to Dave, and we have begun the design effort.

**Berrena’s Property Pin Relocation**

The site survey is complete, but there remains a problem with the pin locations as the existing deeds on file at the County Courthouse do not close. We are working to resolve this issue.

Plan Reviews

Project Name	Design /As-Built	Status	Date
Stearns Crossing Phases 1-4	As-Built	Comments to staff	07/09/04
The Landings, Phase 4	As-Built	Comments to staff	07/09/04
The Landings, Phase 5	Design	Comments to staff	03/03/04
Wiltree Townhomes	Design	Recommend Approval	07/01/04

**Change Order # 1-1  
 Approved**

A motion was made by Mr. Schmalz, seconded by Mr. Zeigler, to approve Change Order # 1-1 as a deduct in the amount of \$10,637 to allow for substituted pipe fittings to be used in the Transmission Line Construction. Motion passed unanimously.

**Change Order # 1-2  
 Approved**

A motion was made by Mr. McShea, seconded by Mr. Lapinski, to approve Change Order # 1-2 in the amount of \$126,250.00 for the Water Service Extension and to allow the Executive Director execute the change order. Motion passed unanimously.

**5.7 Executive Director’s Report**

**College Township Water Service**

Arrangements have been made to connect to the College Township Water Authority (CTWA) system along Trout Road to supply our potable water. This will allow UAJA to abandon our private well which is having difficulty meeting safe drinking water requirements. Change orders have been requested from both Allen Myers and Laurel Management to lay the required pipe. Connecting to CTWA will be less expensive than renovating the well.

### **Upcoming Grant Applications**

Staff is preparing two grant applications that will be submitted before the end of July. The first is an Energy Harvest Grant that will propose a continuation of the work accomplished in the PEEC grant feasibility study that investigated use of reuse water for heating and cooling. This grant application will propose constructing facilities to accomplish harvesting the energy from reuse water. The second application will be for an Innovative Technology grant from DEP. The focus of this application will be on advanced wastewater treatment for nutrient removal.

### **Clusters Meter Replacement**

The Clusters meter replacement project is nearing completion. The new meter is in service and has been calibrated. During the next month, we will be checking the new readings against the old readings to determine how extreme the error was in the old meter.

### **EDU Count**

UAJA staff and CRPA staff are working on a spreadsheet to show all of the EDU's allocated to developments, and how many have had permits issued. This is part of the advance work needed for the upcoming Act 537 plan revision. It will also more readily provide us with the information required when we must report our Chapter 94 information to DEP.

### **Septage Management**

UAJA Staff and CRPA Staff are also preparing information which will be needed for the Centre Region to address the septage management portion of the Act 537 plan update. This information will also be needed as UAJA approaches the start up of the septage receiving station.

### **Retirement Announced**

Stephen Welch has announced that he will be retiring in November. Mr. Welch's last day of work will be August 20, 2004. Mr. Miller thanked Mr. Welch for his 36 years of service and for his support when Mr. Miller was first hired as the executive director. Mr. Welch's dedication is greatly appreciated.

## **6. Other Business**

### **6.1 TMDL Watershed Modeling Presentation**

## **7. Old Business**

### **7.1 Final Design – Wiltree Townhomes**

Final design drawings for the Wiltree Townhomes sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 51 EDU's of townhomes. The review comments have been addressed.

**Final Design – Wiltree  
Townhomes  
Approved**

A motion was made by Mr. Schwab, seconded by Mr. Dempsey, to approve the Final Design – Wiltree Townhomes. The motion passed unanimously.

## **8. New Business**

### **8.1 Change Order # 1-20**

Piping changes for Microfiltration and RO equipment and change the separation fabric in the Compost Biofilter as described in the Engineer's report. Cost of the change order is \$179,938.05

**Change Order # 1-20  
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Schwab, to approve Change Order # 1-20 in the amount of \$179,938.05. Motion passed unanimously.

## 8.2 Budget Adjustment – Chemcut

Ferguson Township is widening Science Park Road. This work impacts our Chemcut Pump Station which is in the road right of way. All possibilities have been explored and the least costly option for UAJA is to relocate the existing pump station. Work has begun on this project and will last into 2005. Staff was not aware of this relocation when the budget was prepared. We are receiving invoices on this project but we have no account to charge against.

HRG prepared a cost estimate for the relocation. It is included in your packet.

<b>Budget Adjustment Chemcut Relocation Approved</b>
--

A motion was made by Mr. Zeigler, seconded by Mr. Schmalz, to approve the 2004 Budget Adjustment for the Chemcut Pump Station Relocation in the amount of \$50,000. The motion unanimously.

## 8.3 Requisitions

Construction Fund Stage 6-146	App. #25 Myers	\$1,055,027.40
Construction Fund Stage 6-147	App. #15 Johnson	\$11,046.60
Construction Fund Stage 6-148	App. #19 McCrossin	\$146,775.00
Construction Fund Stage 6-149	App. #23 Biter	\$117,644.75
Construction Fund Stage 6-150	App. #25 HRG-CM	\$37,417.07
Construction Fund Stage 6-151	App. #24 HRG-RPR	\$71,576.03
Construction Fund Stage 6-152	App. #26 HRG-CM	\$25,882.66
Construction Fund Stage 6-153	App. #25 HRG-RPR	\$49,555.63
Construction Fund Stage 6-154	Groff Tractor	\$95,333.00

<b>Construction – Requisitions Approved</b>
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A motion was made by Mr. Schmalz, seconded by Mr. McShea, to approve the Construction Requisitions. Motion passed unanimously.

## 9. Executive Session to Discuss Real Estate Negotiations

## 10. Adjournment

There being no further business to come before the Board, the meeting adjourned at 6:15 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

BRIAN A. DEMPSEY  
Secretary

# MINUTES

## UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

### Regular Meeting – August 18, 2004

#### 1. Call to Order

Ms. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:03 p.m. Wednesday, August 18, 2004. The meeting was held in the Board Room in the office of the State College Borough Water Authority, 1201 West Branch Road, State College, PA 16801.

#### 2. Roll Call

Messrs. Coe, Dempsey, Klapac, Lapinski, Schmalz, Zeigler, Ms. Barnes and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Steve Welch, Project Manager; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Brian Book and Doug Weikel, HRG; Scott Eters, Solicitor; Mark Whitfield, Borough of State College; Dr. Bob Carline and Staff, Spring Creek Water Resources Monitoring Project; Ms. Kay Beck, Hair Salon Owner; and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – July 21, 2004

UAJA July 21, 2004 Meeting Minutes Approved
--

A motion was made by Mr. Schmalz, seconded by Mr. Dempsey, to approve the minutes of the UAJA Regular Meeting held on July 21, 2004 as presented. The motion passed unanimously.

#### 4. Public Comment Period

##### 4.1 Spring Creek Water Resources Monitoring Project Presentation

Dr. Bob Carline presented to the Board the Spring Creek Water Resources Monitoring Project report. Discussion was held regarding the Water Resources Monitoring committee and the following topics; project funding, the monitoring stations, base flow, storm event, ground-water level measurements, results and analyses for the water quality, thermal suitability, streamflow data, ground-water storage replenished in 2003, land use and water quality and impaired waters. Also discussed were the watershed recommendations for the entire watershed area and the sub basin.

##### 4.2 Agenda Item 7.2 EDU Assignment for “That Special Touch Family Haircare”

Ms. Beck, owner of That Special Touch Family Haircare, stated that she was present to request that the Board consider reducing her bill since she feels that the EDU assignment for her business doesn't reflect her usage. The water usage per quarter is approximately \$10.00. The salon has 6 chairs but only uses three and 3 shampoo sinks are used. The Rate Resolution indicates ½ EDU per chair so she is being charged 3 EDU's based upon the questionnaire that was provided. The Board indicated that Ms. Beck could remove some of her chairs to lower the EDU assignment, but felt that they must adhere to the Rate Resolution due to the potential use of the currently unused chairs.

## 5. Reports of Officers

### 5.1 Financial Report

The Financial Report for the period ending July 2004 was presented to the Board for their review.

Mr. Miller reported on behalf of Mr. Smith that the most accounts are tracking in line with the budgeted amounts. The Board questioned the Bad Debt/Write Off account that exceeded the budget amount to-date. It was reported that the amount was due to the closing of the CH bonds. A question was raised as to what the \$68,477.30 in the 61-90 day column of the U/B Aging Report represented. It was reported that this amount was billed to the Borough of State College to correct the 1<sup>st</sup> quarter 2004 bill that was done at the old bulk rate.

### 5.2 Chairman's Report

No Report

### 5.3 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 no exceptions to our NPDES permit. The 12-month rolling average flow for July was 5.18 mgd with the average for the month being 3.84 mgd.

There were no inspections by DEP since my last report.

Treatment units on line are as follows: primary clarifiers #1, #2, and #3; aeration basins #1 and the new aeration basin; secondary clarifiers' #2, #3 and #4; and four of eight tertiary filters.

#### **Plant Maintenance**

##### **Plant General**

- Replaced motor bearings in the bridge drives on secondary clarifiers #1, #2, and #3.
- Repaired a small leak on the Control Bldg. roof.
- Replaced the diaphragm in primary pump #3.

##### **Dewatering**

- The headers and diffusers were cleaned in tanks #3 and #4. Tank #4 required the use of the Vactor truck to remove grit and rags that had accumulated since the last cleaning.

##### **Main Station**

- The power wire for the well had burned off inside the conduit. This water was used to supply coolant to the pump seals. Utility water from the plant is now being used for this purpose. The wiring was repaired and the well can be used as a stand-by supply.

##### **Compost**

- The Compost received its new loader and the facility is operating exceptionally well with few problems.

Mr. Brant took the opportunity to wish Steve Welch the best in his retirement.

Mr. Brant thanked the Collection System for the use of the Vactor truck. Their assistance is greatly appreciated.

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

#### **5.4 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 – None

(UA) Lateral Repairs – (6) 328 Strouse, 1927 Lauck, 1935, 1934, 1820, 1907 Weaver St.

(UA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)

(UA) Mainline Repairs – (6) 328 Strouse, 1927 Lauck, 1935, 1934, 1820, 1907 Weaver St.

(UA) Manhole Repairs – None

(UA) Manhole Casting Repairs – (4)

(FTA) Lateral Installations – None

(FTA) Lateral Repairs – None

(FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)

(FTA) Mainline Repairs – None

(FTA) Manhole Repairs – None

(FTA) Manhole Casting Repairs – None

We are at this writing approximately 75% complete with the Douglas Drive replacement project. We are finishing the topsoil work and restoration in Pine Grove. We have done some equipment maintenance.

**I/I Inspection:** (We TV'd 1,174 ua/0 fta feet of mainline and inspected 9 ua/0 fta MH's .)

Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)

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 generator hoses at Piney Ridge. We repaired the level control system at Shiloh Rd. We had to pull the pumps at both Patton Forest and Haymarket to remove debris from the impellers.

##### **Inspection**

Provisional As-builts Approved: Teaberry Ridge 3B, Stearns Crossing, Landings ph4, sec3

##### **Mainline Construction:**

- a. Innovation Blvd/PSU – Corrective repairs have been made, TV re-inspection has been done.  
(Blasting/Excavation work near the sewer is underway, approval will not be given until that is completed.)
- b. Cottonwood Drive – Construction is completed. As-builts have been received.
- c. Saybrook Phase 6 – Construction repair is to be completed.

- d. Independence Place Ph 3&4 – Construction is complete. Awaiting As-builts.
- e. Oakwood Phase 7 – Construction is approximately 99% completed.
- f. Alpha Ambulance – Construction is completed. Awaiting As-builts
- g. Kish Bank – Job Conference has been held.
- h. Tradition Point, Phase 1C – Construction is approximately 85% completed.
- i. Aaron Plaza – Construction is approximately 90% completed.
- j. Cobble Creek II – Job Conference has been held.
- k. Haymarket Lot 801 – Job Conference has been held.

New Connections:

a.	Single-Family Residential	28	c.	Commercial	2	
b.	Multi-Family Residential	2	d.	Industrial	0	
					TOTAL	32

Mr. Lahr reported that Mr. Floyd (Butch) Pletcher had announced his retirement effective November 1, 2004 and thanked Mr. Pletcher for his many years of service. Instead of hiring a Chief Inspector the position will be Assistant Inspector and was posted today. Mr. Coe made mention that he had worked with Mr. Pletcher both when he had his own business and while with the school district. Mr. Pletcher was always enjoyable to work with and very knowledgeable and surely will be missed.

## 5.5 Construction Projects Report

The following comments are as presented to the Board in the written report prepared by Stephen T. Welch, Project Manager.

Construction continues to move forward. Hopefully by the time you receive this report Aeration train #2 will be up and operating. If all goes according to plan, Thursday, August 12, will be the day flow is introduced into #2 Aeration train. Factory reps will be on site to make any adjustments necessary and to check out their equipment. Work has started on the internal piping of the AWT facility. Most of the contractor's attention is being directed at this time to bringing #2 on line.

The Clusters meter project has been issued partial completion status. A punch list has been generated and provided to the contractors.

The Transmission line project is now under way. A crew started laying the dual 12" pipes from the plant along Spring Valley Road. A second crew is preparing a road boring in front of the Stewart Salvage yard. UAJA has a full time inspector following this project.

Four pay applications drawn on the construction fund for a total of \$1,066,180.82 were presented to the Board for approval.

Contract 02-1 General Construction Allan A. Myers  
Application #26 \$944,203.03

Contract 02-2 Plumbing & Heating Robert Johnson  
Application #16 \$3,703.10

Contract 02-3 HVAC G. M. Mc Crossin  
Application #20 \$39,661.55

Contract 02-4 Electrical Bob Biter Electrical  
Application #24 \$78,613.14

The engineer's report will detail construction activities since our last meeting.

## 5.6 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 – There is nothing new to report on the Pump Station. I believe staff is looking into the current limiting system as part of the existing controls.

### Beneficial Reuse

#### Transmission Line Construction

Attached are the most recent minutes of the job conference held August 9, 2004. The work is progressing at two points along the alignment.

#### Water Service Extension

The change order has been forwarded to Laurel Management to install the water service. Cory has been working with College Township Water Authority on the agreement.

### Construction Phase

We continue to perform Construction Administrative functions for the project including responding to RFI's and processing submittals. The following is a list of most process units and their status:

Process Unit	Status
College Harris Pump Station	Partial Utilization – in operation
Headworks/Grit	Ready to start when building HVAC completed
Primary Clarifiers	Compressor Building finished & concrete repair
Aeration Tanks	#1 being operated; #2 begin operation on 8/12
Secondary Clarifier #4	In operation
Secondary Clarifier Pump Station	Partial Utilization – in operation
Intermediate Pump Station	Not started yet
Tertiary Filters	Partial Utilization – in operation
Utility Water Pumps	Placed into operation; Control Panel problems need corrected
UV	Unit #1 ready; Unit #2 to be installed after headworks completion
Dewatering	Partial Utilization – in operation
Compost	Partial Utilization – in operation
AWT Feed Pump Station	Under construction – ready to start when AWT completed
AWT Building	Under construction (Units installed; MF and Air piping being installed)

As you can see, August continues to be a busy time starting processes and completing outstanding issues. After the start-up of Aeration Tank #2, Aeration Tank #3, the Intermediate Pump Station, and the piping of the Advanced Water Treatment system will be the three remaining large items. The architectural work in the Control and Administration Building will also be completed with the clean-up of outstanding items.

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted or we have requested to date, as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

***Change Orders:***

No.	Contract	Description	Subtotal	Total
1-21	GENERAL	ADDITIONAL LEVEL MONITORS	\$6,934.02	\$ 47,143.30
		LANDFILL SURCHARGE	\$40,209.28	
		<b>Total</b>		<b>\$ 47,143.30</b>

**Reasons for Change Order Items:**

1-21	Additional level monitoring instruments for the Drain Pump Station, AWT tanks, and AWT Feed Pump Station.
	New state law after project bid for \$4/ton surcharge on dewatered sludge disposed at a landfill

As shown on the attached logs and schedules, the total approved Change Orders for all Contracts amount to \$1,100,435.76 (2.52% of the total contracts). The total approved Change Orders for Contract 02-1 is \$1,048,491.93 (3.10% of this contract). CO 1-21 represents 0.14% of the contract price.

***Applications for Payment:***

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	26	\$ 944,203.03
02-2	Plumbing	Robert Johnson Heating & Plumbing	16	\$ 3,703.10
02-3	HVAC	G.M. McCrossin, Inc.	20	\$ 39,661.55
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	24	\$ 78,613.14
				<b>\$ 1,066,180.82</b>

**Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #27 is attached, which describes the construction activities that occurred during the past month for your information.

**Cluster's Meter Chamber**

The project is substantially complete as of July 13, 2004. A punchlist of outstanding work is attached to this report.

### **Harris/Curtin Sewer Rehabilitation**

I have been working on some revisions to these ROW's. Dick Campbell is negotiating the agreements.

### **Chemcut Pump Station Rehabilitation**

A preliminary cost estimate of \$ 225,000 has been forwarded to Dave, and we have begun the design effort.

### **Plan Reviews**

<b>Project Name</b>	<b>Design /As-Built</b>	<b>Status</b>	<b>Date</b>
Stearns Crossing Phases 1-4	As-Built	Recommend Approval	07/14/04
Teaberry Ridge Phase 3B	As-Built	Recommend Approval	07/27/04
The Landings, Phase 5	Design	Comments to staff	03/03/04
Wambold	Design	Comments to staff	08/10/04
Benner Pike Shops	Design	Under Review	
Centre Hills Village	As-Built	Comments to staff	07/28/04

## **5.7 Executive Director's Report**

### **UAJA Beneficial Reuse Project: Distribution of Water – COG Executive Committee**

As suggested by board member Bill Zeigler, Ferguson Township Supervisor Steve Miller has asked that the COG Executive Committee discuss the Region's interest in determining how to best manage the water from UAJA's Beneficial Reuse Project. I will be attending the Executive Committee meeting at 12:30 PM, August 17<sup>th</sup> in the COG Forum room to begin the discussion. In general, the discussion will center around how involved the Municipalities should be in determining policies for water reuse, and who should actively search for reuse water customers. The Executive Committee will most likely refer this to the municipalities or to the Public Services Committee. Any Board members are encouraged to attend.

### **Floyd "Butch" Pletcher Retirement**

Butch Pletcher, UAJA's Chief Inspector, has announced his retirement. Butch's last official day of work is October 1. Butch served the authority for 26 years. Through Butch's diligence, contractors have installed UAJA's many miles of sewer lines meeting our very tough specifications. Many years from now, our system will still be reaping the benefits of his efforts.

### **Spring Creek Water Resources Monitoring Project Presentation**

Representatives from the Spring Creek Watershed Community Water Resources Monitoring Project have requested the opportunity to make a presentation to the board in advance of their request for continued funding. The 2003 annual report is included in the board member's agenda packets.

UAJA was one of the founding members of the project, and has always been involved in the project both in funding and in developing the scope of the project. Monitoring data is vital to UAJA and many watershed stakeholders. UAJA and the Penn State Physical Plant are using the data from the project to develop the TMDL model which was presented at the last UAJA meeting. In 2004, UAJA provided \$7,500 to the program.

In addition to funding the monitoring program, UAJA also funds one half of the cost of maintaining the Houserville gauging station, operated by the US Geological Survey. Our portion is \$6,700 per year.

At the September meeting, UAJA will be asked to consider a funding level for the following three years (2005-2007). No action is required at this time.

## 6. Old Business

### 6.1 Phase 1A Archeological Study

Several months ago, the Board authorized staff to advertise an RFP to conduct the necessary archeological study for the proposed Phase 1A transmission line. The RFP was advertised and two firms provided responsive proposals.

Heberling Associates, Inc.	\$19,905.37
Archeological & Historical Consultants, Inc.	\$19,908.00

Staff and the Consulting Engineer have reviewed the proposals.

**Phase 1A Archeological  
Study  
Approved**

A motion was made by Mr. Zeigler, seconded by Mr. Schmalz, to approve Phase 1A Archeological Study by Heberling Associates in the amount of \$19,905.37 and to authorize staff to execute the contract. The motion passed unanimously.

### 6.2 USGS Contract for Houserville Gauging Station

UAJA's NPDES permit relies heavily on data from the Houserville gauge for determining permit limits and compliance. For the past six years, UAJA has agreed to jointly fund the gauge. USGS considers this gauge to be less important than the Axemann gauge, thus, if USGS cannot find funding partners, the Houserville gauge will be abandoned to keep the Axemann gauge operating.

In the past, UAJA and USGS have split the operating and maintenance costs evenly. However, because of funding limitations, USGS is no longer able to share the cost evenly. Therefore UAJA's portion is to increase by \$1,000. The cost for October 2004 to September 2006 is \$14,400 which will be billed half in 2004 and half in 2005. USGS will pay \$13,400 for the same period.

Since this gauge is so important to UAJA, I see no alternative other than agreeing to the increase in cost.

**USGS Funding  
Approved**

A motion was made by Mr. Schmalz, seconded by Mr. Dempsey, to approve the USGS Contract for Houserville Gauging Station in the amount of \$14,400 for Oct. 2004-Sept. 2006. The motion passed unanimously.

## 7. New Business

### 7.1 Change Order # 1-21

This change order is for additional level monitors in the Drain Pump Station, Advanced Water Treatment storage tanks, and the Advanced Water Treatment pump station, which were omitted from the original drawings and specifications. The amount of these monitors is \$6,934.02.

The change order also includes payment for the \$4 per ton landfill surcharge which went into effect by State Law after the contract was awarded. While the compost facility was out of service, sludge was hauled to a landfill, and the contractor had to pay this additional fee. Since the State made the change after the award of contract, UAJA is responsible for the \$40,209.28 additional that was incurred by the contractor.

Mr. Zeigler raised the question as to why the landfill surcharges couldn't be paid with operating funds versus using the construction funds. Mr. Miller suggested that this wait until the end of the project when tap fee money will be used to reimburse uncovered costs.

**Change Order # 1-21  
Approved**

A motion was made by Mr. Schmalz, seconded by Mr. Zeigler, to approve Change Order # 1-21 in the amount of \$47,143.30. The motion passed unanimously.

### 7.2 EDU Assignment for “That Special Touch Family Haircare”.

This item was moved in the agenda to 4.2.

### 7.3 Permit Notice Amendment

At the time a customer obtains a permit to connect to the sewer, the customer is required to sign a permit notice which explains UAJA's policy for the time given to start construction. If a permit has been issued and construction is not started within 90 days, the permit is void and they must apply again and pay fees.

A change is needed to cover the disposition of the tapping fee. Tapping fees were not mentioned in the notice. To make it clear what happens to the tapping fee, a line is to be added that states, “At that time the tap fees that were paid for the permit will be returned and reapplication of the permit must be made paying the current tap fees.” A copy of the form is included in the packet.

This change will ensure that people do not obtain a permit in December to avoid the January increase unless they are serious about starting construction in a reasonable time.

The Board made the following wording changes to the last sentence of the Notice. “The tap fee(s) will be returned to the applicant. Reapplication must be made with payment of the current tap fee (s). The original permit fee (which is non-refundable) is forfeited and a new permit fee must be paid at the current amount.”

**Permit Notice  
Amendment Approved**

A motion was made by Mr. Schmalz, seconded by Mr. Dempsey, to approve the Permit Notice Amendment as reworded. The motion passed unanimously.

**7.4 Requisitions**

Construction Fund Stage 6-155	App. #26 Myers	\$944,203.03
Construction Fund Stage 6-156	App. #16 Johnson	\$3,703.10
Construction Fund Stage 6-157	App. #20 McCrossin	\$39,661.55
Construction Fund Stage 6-158	App. #24 Biter	\$78,613.14
Construction Fund Stage 6-159	Miller, Kistler & Campbell	\$249.50

**Construction –  
Requisitions  
Approved**

A motion was made by Mr. Coe, seconded by Mr. Zeigler, to approve the Construction Requisitions. Motion passed unanimously.

Revenue Fund	Requisition #80	\$1,000,000.00
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**Revenue Fund  
Requisition  
Approved**

A motion was made by Mr. Zeigler, seconded by Mr. Schmalz, to approve the Revenue Fund Requisition. Motion passed unanimously.

**8. Other Business**

**8.1 Recommendation**

Dr. Schmalz reported that John Sepp, John Coleman, Mark Whitfield, Frank Schwab, Dan Abruzzo and he had met on two occasions regarding the tap fees. What merged from these discussions was the need for the Board to take action as soon as possible to initiate the study of a new billing system. It is recommended that at the September meeting a committee be formed to begin looking at the billing system instead of waiting until the end of construction.

**9. Adjournment**

There being no further business to come before the Board, the meeting adjourned at 6:15 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

BRIAN A. DEMPSEY  
Secretary

# MINUTES

## UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

### Regular Meeting – September 15, 2004

#### 1. Call to Order

Ms. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:03 p.m. Wednesday, September 15, 2004. The meeting was held in the Board Room in the office of the State College Borough Water Authority, 1201 West Branch Road, State College, PA 16801.

#### 2. Roll Call

Messrs. Coe, Dempsey, Lapinski, McShea, Schwab, Zeigler, Ms. Barnes and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Doug Weikel and Jason Wert, HRG; Dick Campbell, Solicitor; Amy Story, Borough of State College; Bob Crum and D.J. Ligitt, Centre Region Planning Agency; and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – August 18, 2004

UAJA August 18, 2004 Meeting Minutes Approved
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A motion was made by Mr. Zeigler, seconded by Mr. Barnes, to approve the minutes of the UAJA Regular Meeting held on August 18, 2004 as presented. The motion passed unanimously.

#### 4. Public Comment Period

##### 4.1 Agenda Item 7.2 Centre Region Planning Agency Septage Management Presentation

See Agenda Item 7.2.

#### 5. Reports of Officers

##### 5.1 Financial Report

The Financial Report for the period ending August 2004 was presented to the Board for their review.

The Board questioned if there was a sale forthcoming of an asset that was budgeted for. It was reported that the sale of the Pine Grove Mills property was still pending. A question was raised regarding the FICA & Medicare Expense under Treatment Plant Operations being out of line of the payroll line item. This will be checked into and reported back. A question as to why the line items for alum, chlorine and sulfur dioxide are high. This is due to the chlorine still being used since the contractor has not completed the work as scheduled.

##### 5.2 Chairman's Report

No Report

### **5.3 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 no exceptions to our NPDES permit. The 12-month rolling average flow for August was 5.08 mgd with the average for the month being 4.19 mgd.

There were no inspections by DEP since my last report.

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

#### **Plant Maintenance**

##### **Plant General**

- Repaired the control circuit on HP-9 in the Admin. Bldg.
- Replaced over-torque limit switches on Primary Clarifier Drives #1 and #2.
- The elements went bad in the water heater for the Control Bldg. It was determined that because of age and condition it would be wise to replace it. It was to be relocated by the contractors. They will now install a new unit.
- Our annual fire extinguisher checks were completed along with life rings being installed on the new tanks.
- Grease lines were installed on the Bio-Fans at Compost.
- The phase monitor was replaced on the dehumidifier in the Tert. Bldg.

##### **Compost**

- We now have 668 cubic yards of compost curing as of the end of August.
- All air exchange filters were changed.
- We are experiencing some problems with the unloading augers going out on overload for the surge bin augers. Engineers are working with the contractors to remedy the problem.

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

### **5.4 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 – None
- (UA) Lateral Repairs – None
- (UA) Mainline Cleaning – (3 manholes inspected- 330 feet cleaned)
- (UA) Mainline Repairs – None
- (UA) Manhole Repairs – None
- (UA) Manhole Casting Repairs – (6)
- (FTA) Lateral Installations – None
- (FTA) Lateral Repairs – None
- (FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)

- (FTA) Mainline Repairs – None
- (FTA) Manhole Repairs – None
- (FTA) Manhole Casting Repairs – None

**I/I Inspection:** (We TV'd 2,799ua/0 fta feet of mainline and inspected 20 ua/0 fta MH's.)  
Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)  
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 two air compressors (for bubbler) at Patton Forest. We rebuilt two pumps at Haymarket. We also replaced the phase monitor at the Scott Road Station.

**Inspection**

Provisional As-builts Approved: None

Mainline Construction:

- a. Innovation Blvd/PSU – Construction is complete. We are awaiting As-built drawings.
- b. Cottonwood Drive – Construction is completed. As-builts are being reviewed.
- c. Saybrook Phase 6 – Construction repair is completed. We are awaiting As-builts.
- d. Independence Place Ph 3&4 – Construction is complete. As-builts are being reviewed.
- e. Oakwood Phase 7 – Construction is completed. We are awaiting As-built drawings.
- f. Alpha Ambulance – Construction is completed. Awaiting As-builts
- g. Kish Bank – Job Conference has been held. Relocation work has yet to start.
- h. Tradition Point, phase 1C – Construction is completed. We are awaiting As-builts.
- i. Aaron Plaza – Construction is approximately 95% completed.
- j. Cobble Creek II – Job Conference has been held. Work has just started.
- k. Haymarket, Lot 801 – Job Conference has been held. Construction is approximately 80% completed.
- l. Independence Place Ph 2 – Construction is completed. As-builts are being reviewed.

New Connections:

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

Mr. Lahr reported that Ferguson Township has a stormwater project scheduled for the Shadow Oaks development which has been placed on hold until the sewer lines can be relocated. Approximately 600' of sewer line needs to be lowered approximately 7'. The cost of the relocation is estimated to be \$150,000. These funds have not been included in the 2004 budget. Mr. Miller will contact Mark Kunkle, Township Manager, regarding this project.

**5.5 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 – Representatives from Square-D, the manufacturer of the drives, met with Doug Weikel and Jeff Clark at the Pump Station. Based upon the configuration of the drives and the settings, the Square-D representative reported that the Pump should no longer be able to pull more current than the pumps can accept. At this point, we should take a wait and see approach in the belief that the necessary steps have been implemented to avoid future pump failures.

**Beneficial Reuse**

**Transmission Line Construction**

A Job Conference was held September 7, 2004 and the meeting minutes are attached for your information. The work is progressing at two points along the alignment with approximately 10,000 feet of line installed. The General Contractor, Laurel Management, has submitted their first request for payment in the amount of \$42,084.00, and we recommend payment.

**Construction Phase**

We continue to perform Construction Administrative functions for the project including responding to RFI's and processing submittals. The following is a list of most process units and their status:

<b>Process Unit</b>	<b>Status</b>
College Harris Pump Station	Partial Utilization – in operation
Headworks/Grit	Ready to start when building HVAC completed
Primary Clarifiers	Compressor Building finished & concrete repair
Aeration Tanks	#1 & #2 being operated; #3 under construction
Secondary Clarifier #4	Partial Utilization – in operation
Secondary Clarifier Pump Station	Partial Utilization – in operation
Intermediate Pump Station	Concrete walls being constructed
Tertiary Filters	Partial Utilization – in operation
Utility Water Pumps	Placed into operation; Control Panel problems & pump failures need corrected
UV	Unit #1 ready; Unit #2 to be installed after headworks completion
Dewatering	Partial Utilization – in operation
Compost	Partial Utilization – in operation
AWT Feed Pump Station	Under construction – ready to start when AWT completed
AWT Building	Under construction (Units installed; MF and Air piping being installed)

August continued to be a busy time starting processes and completing outstanding issues. The majority of the work is centered on the excavation for Aeration Tank #3, Intermediate Pump Station, and the piping of the Advanced Water Treatment System. The Control and Administration Building continue to proceed with demolition work in the Control Building and trade work in the Administration Building.

We have encountered a few problems in the past month. The Aeration System did not work properly causing high ammonia levels in the effluent. The problems include the inability to maintain a required DO level in a zone, most open valve, and suspected water in the aeration headers. The Contractor is aware of the problems and the violations and is working toward solutions. Also, with the failure of the new utility water pumps, the old system has been in operation. Both the Contractor and manufacturer are investigating the cause and will be providing a solution.

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted or we have requested to date, as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

***Change Orders:***

We recommend approval of the following:

No.	Contract	Description	Subtotal	Total
1-22	GENERAL	Additional laterals in sanitary sewer for AWT Building	\$ 35,762.19	\$ 35,762.19
4-10	ELECTRICAL	277V BALLAST IN ADMIN LIGHTING	\$ 780.89	\$ 29,845.98
		CONTROL PANEL HEADWORKS (COMBUSTIBLE GAS)	\$ 1,650.00	
		CHANGE FEED SIZE TO MUA 1301-1305	\$ 1,087.00	
		ADD NUETRAL WIRE TO UV UNITS	\$ 3,402.37	
		CHANGE MUA BREAKERS FROM 60 TO 40	\$ 2,090.30	
		SR FEED AND BREAKER & MAINTENANCE BLDG BREAKER	\$ 20,835.42	
<b>Total</b>			<b>\$ 65,608.17</b>	

**Reasons for Change Order Items:**

1-22	There were 6 pipe penetrations and laterals shown on the Bidding drawings; 9 pipe penetrations are required.
	The plans show 277V ballasts in the lower level of the Administration Building and 110V is the only power available
4-10	Installation of additional relays, etc. in the control panel for Combustible Gas Detection
	The drawings showed the wrong wire size for the units
	The third wire is required by the manufacturer for proper operation of the UV Units.
	Change in the breaker as required by Centre Region Code
	Change the type of power feed to allow main shut off's at the buildings instead of the Emergency Generator Building

As shown on the attached logs and schedules, the total approved Change Orders for all Contracts amount to \$1,147,579.07 (2.70% of the total contracts). The total approved Change Orders for Contract 02-1 is \$1,048,491.93 (3.25% of this contract). CO 1-21 represents 0.11% of the contract price. The total approved Change Orders for Contract 02-4 is \$112,781.87 (2.51% of this contract). CO 4-10 represents 0.65% of the contract price.

***Applications for Payment:***

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	27	\$ 707,484.55
02-2	Plumbing	Robert Johnson Heating &	17	\$ 3,564.40

		Plumbing		
02-3	HVAC	G.M. McCrossin, Inc.	21	\$ 8,045.55
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	25	\$ 72,497.35
				<b>\$ 791,591.85</b>

### **Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #28 is attached, which describes the construction activities that occurred during the past month for your information.

### **Cluster’s Meter Chamber**

G.M. McCrossin has requested final completion. The Electrical Contractor, Lepley, is in a similar condition. We would anticipate the project being done within the next two weeks, at which point, UAJA would be processing final payments.

### **Harris/Curtin Sewer Rehabilitation**

Dick Campbell is negotiating the agreements.

### **Chemcut Pump Station Rehabilitation**

We have begun the design effort and most recently we did some additional survey beyond what Sear-Brown made available to UAJA for the pump station site.

### **Plan Reviews**

<b>Project Name</b>	<b>Design /As-Built</b>	<b>Status</b>	<b>Date</b>
Independence Place – Phase II	As-Built	Under Review	
Independence Place – Phase III & IV	As-Built	Under Review	
The Landings, Phase 5	Design	Recommend Approval	09/09/04
Wambold	Design	Recommend Approval	08/26/04
Benner Pike Shops	Design	Under Review	
Centre Hills Village	As-Built	Under Review	
Varsity Hallow	Design	Comments to staff	09/01/04

## **5.7 Executive Director’s Report**

### **UAJA Beneficial Reuse Project: Distribution of Water – COG Public Services Committee**

As reported last month, the COG Executive Committee referred the development of a reuse water distribution policy to the COG Public Services Committee. The committee met September 8, 2004. Since several committee members were not involved in the decisions leading to beneficial reuse, a presentation was made to bring all members up to speed on how reuse came about. After much discussion, it was determined that other entities including the Centre County Planning Office, Center County Chamber of Business and Industry, Heritage I, College Township Industrial Development Authority, be asked to attend the next meeting and be involved in developing the proposed guidelines. The next meeting is scheduled for October 13, 2004 at 12 noon at the COG meeting room. Anyone is welcome to attend.

## **Ferguson Township Rezoning**

At the September 7, 2004 meeting of the Ferguson Township Supervisors, the supervisors voted 3-2 in favor of rezoning 26 acres of agricultural land along Whitehall Road to R4. This land is outside of the sewer service area. It is expected that Ferguson Township will request this land be included in the sewer service area in the upcoming Act 537 Sewage Facilities Plan update which will begin early in 2005. The Centre Region municipalities, through COG, will be funding the plan update, and selecting the consultants needed to accomplish the work.

Before UAJA can serve this rezoned property, the land must be included in the UAJA sewer service area described in the Act 537 Plan.

## **6. Old Business**

### **6.1 Centre Region Planning Agency Septage Management Presentation**

The Centre Region Planning Agency (CRPA) has been working with UAJA staff to develop a septage management program for the Centre Region. UAJA will soon be able to accept septage at the new septage receiving station, however, a very strict management system needs to be in place to protect the treatment plant. Included in the board member packets is a draft report describing the current status of septage management in the region, and a list of issues which need to be addressed.

On Thursday, September 16, 2004, CRPA and UAJA staff will present this preliminary report to the municipal managers for their input.

CRPA staff will present the report, and answer questions concerning septage management. Comments on the report are welcome.

### **6.2 Final Design – Wambold Subdivision**

Final design drawings for the Wambold Subdivision sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 5 EDU's of single family homes. The review comments have been addressed.

**Final Design – Wambold  
Subdivision  
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Lapinski, to approve the Final Design – Wambold Subdivision. The motion passed unanimously.

### **6.3 Final Design – The Landings Phase 5**

Final design drawings for the Landings Phase 5 sewer extension (Ferguson Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 29 EDU's of single family homes. The review comments have been addressed.

**Final Design –  
The Landings Phase 5  
Subdivision**

A motion was made by Mr. Dempsey, seconded by Mr. Lapinski, to approve the Final Design – The Landings Phase 5 Subdivision. The motion passed unanimously.

**Approved**

**7. New Business**

**7.1 Resolution Authorizing Condemnation of Property Along Route 26 Ferguson Township**

The Russian Church project along Route 26 in Ferguson Township is to be served by public sewer. The first 400 feet of the service lateral will be within an easement that UAJA will eventually need to serve many of the properties on the west side of Route 26. Attempts have been made to obtain the easement from the owner, with no response. To provide service to the church on schedule, condemnation may be required. This action authorizes UAJA to condemn the easement.

**Resolution to Condemn  
the Easement  
Approved**

A motion was made by Mr. McShea, seconded by Ms. Barnes, to approve the resolution to condemn the easement of property along Rt. 26, Ferguson Township. The motion passed unanimously.

**7.2 Resolution Authorizing Participation in the Vantagecare Retirement Health Savings Program**

The contract with the union allows for employees to convert unused vacation and sick days at retirement into payment for healthcare premiums. Currently, UAJA will be responsible for administering these individual accounts for our retirees.

The proposed program allows the conversion to be made using pre-tax dollars. In addition, ICMA administers the accounts. Finally, employees can also elect to contribute pre-tax dollars to their fund on a continuing basis, thus spreading their retirement health care costs over many years.

The individual accounts are subject to rules very similar to our current 401(k) and 457 plans. Employees can designate how their funds are to be invested within an approved list of funds.

UAJA staff can find no negative aspects of this program, nor can the union. Both agree that this is a good way to manage our retirement healthcare funds.

**Resolution to authorize  
participation in the  
Vantagecare Retirement  
Health Savings Program  
Approved**

A motion was made by Mr. Zeigler, seconded by Ms. Barnes, to approve the resolution to authorize participation in the Vantagecare Retirement Health Savings Program. The motion passed unanimously.

**7.3 Compost Pricing**

Now that the compost facility is producing compost, an initial rate for compost sales needs to be established. Since we have been out of production for more than a year, our customer base needs to be reestablished. Previously our compost rates were \$4 per cubic yard for commercial customers, and \$5 per cubic yard for residential customers. Commercial customers

represent about 80 percent of the sales. At this time, we believe simply setting one rate for all sales at \$5 per cubic yard is reasonable and will help us establish a good customer base. The rate charged can be reviewed as we track the demand. The rate can be adjusted annually, with the adoption of all of the other fees and charges at the January board meeting.

**Compost Rate Approved**

A motion was made by Mr. Coe, seconded by Mr. Dempsey, to approve the Compost Rate of \$5.00 per cubic yard for all compost sales. The motion passed unanimously.

**7.4 Change Order # 1-22**

This change order is for additional drain laterals in the advanced water treatment building. These laterals are needed to pipe the overflows from several storage tanks to the drain line in front of the building. Additional details are included in the engineer's report.

**Change Order # 1-22  
Approved**

A motion was made by Mr. Coe, seconded by Mr. Zeigler, to approve the Change Order #1-22 in the amount of \$35,762.19. Motion passed unanimously.

**7.5 Change Order # 4-10**

This change order is for a collection of electrical changes, the largest of which is the addition of a local cut-off at the maintenance building and the septage receiving building. This will allow power to be shut off to either of these buildings without having to go to the generator building. This eliminates a serious safety concern. The other items are detailed in the engineer's report.

**Change Order # 4-10  
Approved**

A motion was made by Ms. Barnes, seconded by Mr. McShea, to approve the Change order # 4-10 in the amount of 29,845.98. Motion passed unanimously.

**7.6 Requisitions**

Construction Fund Stage 6-160	App. #27 Myers	\$707,484.55
Construction Fund Stage 6-161	App. #17 Johnson	\$3,564.40
Construction Fund Stage 6-162	App. #21 McCrossin	\$8,045.55
Construction Fund Stage 6-163	App. #25 Biter	\$72,497.35
Construction Fund Stage 6-164	HRG-CM #27	\$22,440.42
Construction Fund Stage 6-165	HRG-RPR # 26	\$51,939.75
Construction Fund Stage 7-166	Laurel Management	\$42,084.00

**Construction –**

A motion was made by Mr. Coe, seconded by Mr. Zeigler, to

<b>Requisitions Approved</b>	approve the Construction Requisitions. Motion passed unanimously.
BRIF	Requisition #33                      \$7.987.04

<b>BRIF Requisition Approved</b>	A motion was made by Mr. Coe, seconded by Mr. Zeigler, to approve the BRIF Fund Requisition. Motion passed unanimously.
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**8. Other Business**

**8.1 Recommendation**

Mr. Miller reported that an easement has been challenged for the Stewart tract. The appraisal is for \$15,583. Stewarts are requesting \$20,000. The board authorized Mr. Campbell to negotiate with the Stewarts not to exceed the \$15,583 they are requesting.

**9. Adjournment**

There being no further business to come before the Board, the meeting adjourned at 5:50 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

BRIAN A. DEMPSEY  
Secretary

BAD/kmw

# MINUTES

## UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

### Regular Meeting – October 20, 2004

#### 1. Call to Order

Ms. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:05 p.m. Wednesday, October 20, 2004. The meeting was held in the Board Room in the office of the State College Borough Water Authority, 1201 West Branch Road, State College, PA 16801.

#### 2. Roll Call

Messrs. Coe, Dempsey, McShea, Schmalz, Schwab, Zeigler, Ms. Barnes and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Brian Book, Doug Weikel and Jason Wert, HRG; Scott Eppers, Solicitor; Mark Whitfield, Borough of State College; Rick Wardrop and Becky Dunlap, Water Resources Monitoring Project; and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – September 15, 2004

The Board considered the UAJA minutes of the Regular Meeting held on September 15, 2004 and offered the following corrections;

- Page 1 change Mr. Barnes to Ms. Barnes
- Page 5 under Change Orders: change NUETRAL to NEUTRAL

UAJA  
September 15, 2004  
Meeting Minutes  
Approved

A motion was made by Mr. Zeigler, seconded by Mr. McShea, to approve the minutes of the UAJA Regular Meeting held on September 15, 2004 as corrected. The motion passed unanimously.

#### 4. Public Comment Period

##### 4.1 Spring Creek Watershed Monitoring Program Funding

Mr. Wardrop of the Watershed Monitoring program attended on behalf of Bob Carline to answer any questions related to the request for funding commitment distributed at the last UAJA meeting. The request is for UAJA to provide financial support for the Water Resources Monitoring Project in the amount of \$8,500 for 2005, \$9,000 for 2006, and \$9,500 for 2007.

Spring Creek Watershed  
Monitoring Program  
Funding Approved

A motion was made by Mr. Schwab, seconded by Mr. Dempsey, to approve the request for funding for the Spring Creek Watershed Monitoring Program Funding in the amount of \$8,500 for 2005, \$9,000 for 2006, and \$9,500 for 2007. The motion passed unanimously.

## **5. Reports of Officers**

### **5.1 Financial Report**

The Financial Report for the period ending September 2004 was presented to the Board for their review.

### **5.2 Chairman's Report**

No Report

### **5.3 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. The Total Suspended Solids exceeded the maximum (lbs/wk) due to the by-passing of the tertiary filters during the IVAN event. The filters remained out of service from September 17<sup>th</sup> and were put back on line September 22<sup>nd</sup>. The plants' highest flow was recorded on September 18<sup>th</sup> at 19.6mgd. The 12-month rolling average flow for September was 5.11 mgd with the average for the month being 7.50 mgd.

The facility was inspected by John Sengle of DEP on September 20<sup>th</sup> through September 27<sup>th</sup> to conduct his quarterly report. Mr. Sengle was informed of the plant status due to high flows.

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

#### **Plant Maintenance**

- Replaced the diaphragm and exhaust muffler on Primary pump #7.
- The sump pump located in the Primary Bldg. was replaced. The existing pump had sheared the impeller drive shaft.
- Replaced fan belts on the Odor Control system.
- All the new equipment in the Headworks Bldg. was put into service on September 20<sup>th</sup>. The screening unit failed after being on line for a week. The auger drive shaft broke and has since been repaired and put back into service as of October 11<sup>th</sup>.
- Replaced Tuthill blower #7 with a spare unit. The old blower was repaired and placed back in inventory.
- Replaced the chemical feed pump for the Odor Control system with a spare pump. This pump was worn beyond repair and a spare has been ordered as a back-up.

#### **Compost**

- We now have 1948 cubic yards of compost curing as of the end of September.
- Installed external grease fittings on the new Compost Bio-Filters for ease of access.
- Composter #2 failed to stop on home bay and continued moving to the point that the electrical wiring had been affected. The contractors made the necessary repairs and the unit was put back on-line.
- The drive shaft key on the drive coupler had worked itself loose on the new Knight mixer causing the shaft to slip. A new key was installed along with a more aggressive set screw to assure reliability.

During the week of September 27<sup>th</sup> we assisted Bellefonte with the clean-up and drying of their facility. As you may be aware, the Bellefonte plant was completely out of service because of IVAN and we received many thanks for the two employees (Ron Chronister and Ray Wozniak) who aided in their getting back on-line in a timely manner.

I would like to thank our employees for the hard work and extra effort that was made in the clean-up here at our facility. The plant was back to “normal” in a short period of time.

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

#### **5.4 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 – None

(UA) Lateral Repairs – None

(UA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)

(UA) Mainline Repairs – None

(UA) Manhole Repairs – None

(UA) Manhole Casting Repairs – (19)

(FTA) Lateral Installations – None

(FTA) Lateral Repairs – None

(FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)

(FTA) Mainline Repairs – None (Removed empty fuel tanks, backfilled and paved at old office bldg.)

(FTA) Manhole Repairs – None

(FTA) Manhole Casting Repairs – None

At this writing, the Douglas Drive mainline replacement project has been completed. Only some curbing, trench paving, and restoration remains which will be completed by the end of October. We are approximately 30% completed at the Curtin/Harris St back-lot replacement project.

**I/I Inspection:** (We TV’d 369 ua/0 fta feet of mainline and inspected 7 ua/0 fta MH’s .)

Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)

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 safety disconnect at the Ghaner 1 station. We completed installation of an HVAC unit, telemetry, and address signage at the Clusters meter site. We dealt with the heavy rain at the Scott Rd. station.

##### **Inspection**

Provisional As-builts Approved: Cottonwood Drive

Mainline Construction:

- a. Innovation Blvd/PSU – Construction is complete. We are awaiting As-built drawings.
- b. Saybrook Phase 6 – Construction is completed. As-builts are being reviewed.

- c. Independence Place Ph 3&4 – Construction is completed. As-builts are being reviewed.
- d. Oakwood Phase 7 – Construction is completed. We are awaiting As-built drawings.
- e. Alpha Ambulance – Construction is completed. As-builts are being reviewed.
- f. Kish Bank – Construction is completed. We are awaiting As-builts.
- g. Tradition Point, phase 1C – Construction is completed. We are awaiting As-builts.
- h. Aaron Plaza – Construction is completed. TV inspection to be done yet.
- i. Cobble Creek II – Construction is approximately 80% completed.
- j. Haymarket, Lot 801 – Construction is approximately 85% completed.
- k. Independence Place Ph 2 – Construction is completed. As-builts are being reviewed.
- l. Saybrook Phase 7 – Construction is approximately 90% completed.
- m. Hunters Chase Phase 3 – Construction is approximately 60% completed.

New Connections:

a.	Single-Family Residential	16	c.	Commercial	0
b.	Multi-Family Residential	2	d.	Industrial	0
					TOTAL 18

### 5.5 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 & Chapter 94 Reporting – There are indications that the DEP will be modifying their response to our Chapter 94 Report to include a request for a Corrective Action Plan (CAP) for the Scott Road Pump Station. The station did receive a high amount of flow during the hurricanes. While the pumps worked without mechanical failure, the pump station was not able to keep up with the flow. Several tanker trucks were called, but even that stop-gap measure did not prevent the discharge of untreated wastewater. Given the excessive I&I problems in the collection system, the authority should consider focusing some resources on corrective actions in this part of your collection system, and the CAP will need to promise measurable improvements.

#### Beneficial Reuse

##### Transmission Line Construction

A Job Conference was held October 4, 2004 and the meeting minutes are attached for your information. The work is progressing at two points along the alignment with approximately 18,000 feet of line installed. The General Contractor, Laurel Management, has submitted a second request for payment in the amount of \$223,519.50, and we recommend payment.

##### Water Service Extension

The work on the water service extension has begun, and we anticipate water service by the end of November. Previously, the Authority approved a Work Change Directive and then a Change Order establishing unit prices for this extra work. The number contained within that WCD was an estimated value of \$133,430. Actual installed pipe will result in a finished effort of approximately \$160,000. As this is a unit price contract, the Authority does not need to take any action, but this information is provided as an update.

#### Construction Phase

We continue to perform Construction Administrative functions for the project including responding to RFI’s and processing submittals. The following is a list of most process units and their status:

Process Unit	Status
College Harris Pump Station	Partial Utilization – in operation
Headworks/Grit	Screening unit and grit unit are in operation
Primary Clarifiers	Compressor Building finished & concrete repair
Aeration Tanks	#1 & #2 being operated; #3 under construction-50% complete

Secondary Clarifier #4	Partial Utilization – in operation
Secondary Clarifier Pump Station	Partial Utilization – in operation
Intermediate Pump Station	Structure complete
Tertiary Filters	Partial Utilization – in operation
Utility Water Pumps	Placed into operation; Control Panel problems & pump failures corrected
UV	Unit #1 ready; Unit #2 to be installed after headworks completion in two weeks
Dewatering	Partial Utilization – in operation
Compost	Partial Utilization – in operation
AWT Feed Pump Station	Under construction – ready to start when AWT completed
AWT Building	Under construction (Units installed; MF and Air piping being installed)

September continued to be a busy time starting processes and completing outstanding issues as they appear. The majority of the work is centered on the excavation for Aeration Tank #3, Intermediate Pump Station, and the piping of the Advanced Water Treatment System. The Control and Administration Building continue to proceed with demolition work completed in the Control Building and drywall being completed in the Administration Building. The Septage Receiving Area and Headworks/Grit Area have been paved as well as the Compost Area.

The problems mentioned last month appear to be corrected. The Aeration Control System has been fixed through programming. The failure of the new utility water pumps has also been corrected.

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted or we have requested to date, as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

***Change Orders:***

We recommend approval of the following:

No.	Contract	Description	Subtotal	Total
1-23	GENERAL	INSTALL POTABLE WATER TO AWT BUILDING	\$ 7,243.63	\$ 5,153.47
		EXTEND DRAIN TO COMPOST BUILDING	\$ 5,271.61	
		RELOCATE POTABLE WATER LINE	\$ 8,779.82	
		HEADWORKS GRATING	\$ 4,008.41	
		DELETE RETAINING WALL, HANDRAIL & SIDEWALK AT BIOFILTER	\$ (20,150.00)	
3-5	HVAC	DEMOLISH PLENUM IN CONTROL BUILDING	\$ 2,750.00	\$ 2,750.00
			<b>Total</b>	<b>\$ 7,903.47</b>

**Reasons for Change Order Items:**

1-23	There was no potable water line shown on the plans to the AWT Building Changed the drain of the biofilter and bay drains to gravity (existing system had a pump station). Looped potable water line around aeration tanks to connect upper and lower systems. Installed grating over all the channels. With the FRP header and grading changes, the retaining wall, handrail and sidewalks were not needed.
3-5	The existing plenum was shown to remain but is needed to be removed for the new HVAC system in the lower level of the Control Building

As shown on the attached logs and schedules, the total approved Change Orders for all Contracts amount to \$1,213,187.24 (2.85% of the total contracts). The total approved Change Orders for Contract 02-1 is \$1,131,397.43 (3.40% of this contract). CO 1-23 represents 0.02% of the contract price. The total approved Change Orders for Contract 02-3 is \$(66,118.04) (-2.25% of this contract). CO 3-5 represents 0.90% of the contract price.

**Applications for Payment:**

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	28	\$ 513,821.01
02-2	Plumbing	Robert Johnson Heating & Plumbing	NA	NA
02-3	HVAC	G.M. McCrossin, Inc.	22	\$ 48,813.85
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	26	\$ 43,536.29
				<b>\$ 606,171.15</b>

**Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #29 is attached, which describes the construction activities that occurred during the past month for your information.

**Cluster’s Meter Chamber**

A final inspection with State College Borough, UAJA, HRG, and the two contractors is scheduled for 11:00 AM Tuesday, October 19, 2004. I will update the Authority at your meeting.

**Harris/Curtin Sewer Rehabilitation**

Dick Campbell is negotiating the agreements.

**Chemcut Pump Station Rehabilitation**

The project is currently on hold as the property owner may not grant the additional land necessary for the relocated pump station.

**Plan Reviews**

Project Name	Design /As-Built	Status	Date
Independence Place – Phase II	As-Built	Recommend Approval	09/30/04
Independence Place – Phase III & IV	As-Built	Recommend Approval	09/28/04
The Landings, Phase 5	Design	Recommend Approval	09/16/04
Benner Pike Shops	Design	Recommend Approval	10/06/04
Centre Hills Village	As-Built	Recommend Approval	09/23/04
Varsity Hallow	Design	Recommend Approval	09/30/04
Saybrook, Phase 6, Section 7	As-Built	Recommend Approval	10/06/04
Alpha Ambulance	As-Built	Comments to Developer	10/06/04
Innovation Blvd Extension	As-Built	Comments to staff	
Wooded Hill	Design	Comments to staff	
Tradition Cove II	Design	Comments to staff	

## **5.7 Executive Director's Report**

### **2005 Budget**

Work has begun on the 2005 budget. Department heads and staff are providing information to be inputted during October. A *draft* budget document will be provided in the Board packet for the November meeting. Preliminary discussion will be encouraged at the November meeting. Comments and suggestions from Board members will be incorporated in the document through December 3, 2004. A budget sub-committee from the Board should meet with staff during the week of December 6<sup>th</sup> to finalize the budget presentation. A final document for your consideration will be provided in your December packet and adoption of the 2005 budget should occur at the December 15<sup>th</sup> meeting.

### **Septage Management - COG Public Services Committee**

At the last UAJA Board meeting, Centre Region Planning Agency presented a summary of the status of septage management in the Centre Region with a list of decisions that the municipalities needed to make before UAJA begins accepting septage. The information was passed on to the Public Services Committee for consideration. The Public Services Committee reached consensus on several issues. First, the committee agrees that all on-lot systems in the Centre Region should be included in the septage management program. Second that a single septage hauling contract is not preferred. All septage haulers that agree to the UAJA permitting program should be encouraged to compete for individual tank pumpings. Finally, UAJA should manage the entire septage program, assuming UAJA can demonstrate that there will not be an increase in the administrative costs compared to what the individual municipalities would charge if they managed the program themselves. The program will continue to be discussed at the November Public Services Committee meeting.

### **Allocation of Beneficial Reuse Water – COG Public Services Committee**

The COG Public Services Committee also continued the discussion of allocating reuse water. The College Township Industrial Development Authority, the Centre County Chamber of Business and Industry, Centre County Planning, and the Heritage I Group were also represented at the meeting as requested by COG. While no formal action was taken, it appears that the committee is leaning towards recommending that UAJA contact the existing business in the Dale Summit Industrial Park to see if any are interested in using the water. In addition, it was discussed that perhaps half of the available flow be allocated to environmental benefit. COG Executive staff will be preparing minutes of the meeting which will be forwarded to the board members. Board members will be notified of future meetings where this topic will be discussed.

### **Centre Region Tapping Fees**

Last year, Pennsylvania changed the law concerning tapping fees and how they are to be calculated. All entities charging tapping fees must comply with the law by June 2005, unless fees are to be modified, in which case the new fee must be in accordance with the new law. Since UAJA increases its tapping fee each January by at least an amount to keep pace with inflation, our fee must comply with the law by January 1, 2005

There are four entities in the Centre Region that charge tapping fees – The Borough of State College, College Township Water Authority, State College Borough Water Authority, and UAJA. Each of these organizations has its own fee calculated and charged based on its own unique formula. An attempt is being made to have all four fees be based on the same definition of EDU and be charged according to a region wide schedule of fees. At the meeting, it was agreed that using water meter size to determine the number of EDU's would provide the uniform fair system required by the law, while keeping the system as simple as possible.

A follow up meeting will occur in a few weeks, with the detailed proposal being presented to all four entities in November and December.

### **Selders Circle**

The Ferguson Township Board of Supervisors has approved the purchase of 390 Selders Circle and to water proof a second property rather than move forward with construction of the stormwater drainage system.

## **6. Old Business**

### **6.1 Final Design – Varsity Hollow (Village at Penn State)**

Final design drawings for the Varsity Hollow sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 20 EDU's of duplex homes. The review comments have been addressed.

**Final Design – Varsity  
Hollow Subdivision  
Approved**

A motion was made by Mr. Schmalz, seconded by Mr. McShea, to approve the Final Design – Varsity Hollow Subdivision. The motion passed unanimously.

### **6.2 Final Design – Benner Pike Shops**

Final design drawings for the Benner Pike Shops sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 13 EDU's of commercial development. The review comments have been addressed.

**Final Design – Benner  
Pike Shops  
Approved**

A motion was made by Mr. Schwab, seconded by Mr. McShea, to approve the Final Design – Benner Pike Shops. The motion passed unanimously.

## **7. New Business**

### **7.1 Change Order # 1-23**

This change order is to install the potable waterline to the Advanced Water Treatment Building, extending a drain line for the compost building, relocating a potable waterline which was found to be in the way of the aeration tanks, fabrication of grating from recycled grating from the old plant, and the deletion of a retaining wall, sidewalk, and handrails at the biofilter.

**Change Order #1-23  
Approved**

A motion was made by Mr. Zeigler, seconded by Mr. Coe, to approve the Change Order #1-23 in the amount of \$5,153.47. The motion passed unanimously.

**7.2 Change Order # 3-5**

This change order is for demolition of the steel plenum in the control building which is in the way of wiring and ductwork.

**Change Order #3-5  
Approved**

A motion was made by Mr. McShea, seconded by Mr. Coe, to approve Change Order #3-5 in the amount of \$2,750.00. The motion passed unanimously.

**7.3 Requisitions**

Construction Fund Stage 6-167	App. #28 Myers	\$513,821.01
Construction Fund Stage 6-168	App. #22 McCrossin	\$48,813.85
Construction Fund Stage 6-169	App. #26 Biter	\$43,536.29
Construction Fund Stage 6-170	HRG-CM #28	\$29,348.73
Construction Fund Stage 6-171	HRG-RPR # 27	\$68,984.24
Construction Fund Stage 7-172	Laurel Management	\$223,519.50

**Construction –  
Requisitions  
Approved**

A motion was made by Mr. Coe, seconded by Mr. Zeigler, to approve the Construction Requisitions. Motion passed unanimously.

**8. Other Business**

**9. Adjournment**

There being no further business to come before the Board, the meeting adjourned at 5:15 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

BRIAN A. DEMPSEY  
Secretary

## MINUTES

### UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

#### Regular Meeting – November 17, 2004

#### 1. Call to Order

Ms. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:06 p.m. Wednesday, November 17, 2004. The meeting was held in the Board Room in the office of the State College Borough Water Authority, 1201 West Branch Road, State College, PA 16801.

#### 2. Roll Call

Messrs. Coe, Dempsey, McShea, Schmalz, Schwab, Zeigler, Ms. Barnes and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Dave Smith, Assistant Executive Director; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Brian Book, Doug Weikel and Jason Wert, HRG; Richard Campbell, Solicitor; Mark Whitfield, Borough of State College; Dan Abruzzo, CBICC; Ray Regan Jr., PennTerra Engineering; and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – October 20, 2004

The Board considered the UAJA minutes of the Regular Meeting held on October 20, 2004 and offered the following motion;

UAJA October 20, 2004 Meeting Minutes Approved
---

A motion was made by Ms. Barnes, seconded by Mr. McShea, to approve the minutes of the UAJA Regular Meeting held on October 20, 2004. The motion passed unanimously.

#### 4. Public Comment Period

##### 4.1 Sedgefield North Development (Halfmoon Township) Request for Pressure Sewer System

The developer of this Community Onlot Disposal System (COLDS) in Halfmoon Township has requested permission to build a pressure sewer collection system rather than a gravity system because of the rolling terrain and the large lot sizes. UAJA rules require Board approval to allow pressure sewers. Since a pressure sewer system limits the flowrate to the COLDS system, which is desirable, and based on the additional lengths of sewer line that would be required if the homes were served by gravity, UAJA staff recommends allowing the pressure sewer system.

**Sedgefield North  
Development Halfmoon  
Township) Request for  
Pressure Sewer System  
Approved**

A motion was made by Mr. Coe, seconded by Mr. Schwab, to authorize the developer to proceed with the design of a pressure sewer system for the Sedgefield North development. The motion passed unanimously.

## 5. Old Business

### 5.1 Final Design – Tradition Cove II

Final design drawings for the tradition Cove II sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The proposed sewer will serve 5 EDU's of single family condominiums. The review comments have been addressed.

**Final Design – Tradition  
Cove II Subdivision  
Approved**

A motion was made by Mr. Schmalz, seconded by Mr. Zeigler, to approve the Final Design – Tradition Cove II Subdivision. The motion passed unanimously.

## 6. New Business

### 6.1 Draft Budget – Discussion

The draft budget was provided in each board member packet with an updated draft presented at the meeting that includes a \$50,000 grant. Notification was just received that the \$50,000 will be awarded to the Authority in the year 2005. We are prepared to discuss the draft and take questions and comments. A budget sub-committee should be formed to work on details of the budget before the December meeting. The final budget should be approved in December.

A budget committee consisting of Ms. Bressler & Barnes and Messrs. Zeigler & Dempsey will meet on December 1<sup>st</sup> beginning at 8:15 a.m. at the Authority's office.

### 6.2 Change Order # 1-24

This change order is for small diameter piping in the advanced water Treatment building that was omitted from the design, changing pipe types to withstand the chemicals used for cleaning the reverse Osmosis unit, and deleting the work associated with repowering the air flow meters.

**Change Order #1-24  
Approved**

A motion was made by Mr. Schwab, seconded by Mr. Schmalz, to approve Change Order #1-24 in the amount of \$51,196.02. The motion passed unanimously.

### 6.3 Change Order # 2-3

This change order is for an 87 day extension for the plumbing contractor, which is consistent with a previous time extension granted to the general contractor.

**Change Order #2-3  
Approved**

A motion was made by Mr. Schwab, seconded by Mr. Dempsey, to approve Change Order #2-3 to allow the plumbing contractor to extend the contract duration 87 days. The motion passed unanimously.

**6.4 Change Order # 3-6**

This change order is for the demo of the duct work in the control building to allow room for the new heat pump.

**Change Order #3-6  
Approved**

A motion was made by Mr. Coe, seconded by Mr. McShea, to approve Change Order #3-6 in the amount of \$2,661.00. The motion passed unanimously.

**6.5 Change Order # 4-11**

This change order is for repowering the air flow meters (deleted from the general contractor's work), changing the ballasts for the administration building lighting, adding nine hub enclosures to the data system, and adding overload protection to the scum collectors.

**Change Order #4-11  
Approved**

A motion was made by Mr. Schwab, seconded by Mr. Dempsey, to approve Change Order #4-11 in the amount of \$15,592.11. The motion passed unanimously.

**6.6 Requisitions**

Construction Fund Stage 6-173	App. #29 Myers	\$501,964.25
Construction Fund Stage 6-174	App. #18 Johnson	\$17,097.15
Construction Fund Stage 6-175	App. #23 McCrossin	\$30,027.60
Construction Fund Stage 6-176	App. #27 Biter	\$61,404.64
Construction Fund Stage 6-177	HRG-CM #29	\$25,924.63
Construction Fund Stage 6-178	HRG-RPR # 28	\$50,486.24
Construction Fund Stage 7-179	App. #3 Laurel	\$373,956.30
Construction Fund Stage 7-180	PA DOT	\$1,006.91
Construction Fund Stage 7-181	Phase 1 Right-of-Ways	\$23,359.00

**Construction –  
Requisitions  
Approved**

A motion was made by Mr. Dempsey, seconded by Mr. Schmalz, to approve the Construction Requisitions. Motion passed unanimously.

**7. Reports of Officers**

**7.1 Financial Report**

The Financial Report for the period ending October 2004 was presented to the Board for their review.

**7.2 Chairman's Report**

Ms. Bressler reported that she had been contacted by a Douglas Drive resident who had been concerned about the restoration work done at their property. The resident is now completely satisfied with the work.

Ms. Bressler on behalf of the Board wanted to acknowledge Lisa Kline for the wonderful job she did regarding Steve Welch's retirement dinner.

**7.3 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 no exceptions to our NPDES permit. The 12-month rolling average flow for October was 5.07 mgd with the average for the month being 5.09 mgd.

The facility was inspected by John Sengle of DEP on November 3<sup>rd</sup>, 2004. He noted all major treatment processes were on-line and operating well. This included the new screening and grit removal units and the new UV system.

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

**Plant Maintenance**

- The motor on Primary Air – Compressor #2 burned up and was replaced with a spare. This spare motor will not be replaced due to the new air compressors being put into service shortly.
- The diaphragm on Primary Pump #1 was replaced.
- A blown head gasket on the '89 Chevy was replaced by Struble's Garage.
- Old Non-Potable pump #2 failed. Repairs were made to the unit and it will be used as a backup pump until the pumps are put on-line.
- The airline brackets in tank #6 at Dewatering pulled from the floor. These brackets will be replaced during a scheduled cleaning later this month.
- The wet well level transducer at the Main Station was relocated in an attempt to keep grease from accumulating around the unit. An attempt is also being made to reduce grease accumulation by drawing the wet well down once a week and sending it through the screening unit in the Headworks Facility to be disposed of.

- The water heater and a sink that were removed from the old Compost Bldg. were installed at the Main Station to assist the maintenance crew.
- All primary tanks located at Dewatering are scheduled to be cleaned this month. This will greatly reduce pump plugging problems we have had in the past and assure longer life out of the centrifuges.

### **Compost**

- We have now produced 3428 cubic yards of compost as of the end of October and sold 721 cubic yards.
- The battery in the street sweeper was replaced.

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

## **7.4 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 – None
- (UA) Lateral Repairs – None
- (UA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)
- (UA) Mainline Repairs – None
- (UA) Manhole Repairs – None
- (UA) Manhole Casting Repairs – (11)
- (FTA) Lateral Installations – None
- (FTA) Lateral Repairs – None
- (FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)
- (FTA) Mainline Repairs – None
- (FTA) Manhole Repairs – None
- (FTA) Manhole Casting Repairs – None

At this writing, the Douglas Drive mainline replacement project has been completed. Curbing, trench paving, and restoration was completed by the end of October. We are completed at the Curtin/Harris St back-lot replacement project. Minor restoration work remains and will be completed within two weeks of this writing. We also paved Scott Road to repair the damage done by the tankers during the Ivan flooding.

**I/I Inspection:** (We TV'd 0 ua/0 fta feet of mainline and inspected 0 ua/0 fta MH's .)  
Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.)  
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 re-stoned the Whitehall Road Station access drive. We did pump maintenance and oil change at 16 stations. Final Inspection was held at the Clusters meter site. We removed the old vent blower from the vault, which is no longer required, to eliminate the odor from the site.

**Inspection**

Provisional As-builts Approved: Alpha Ambulance Extension, Independence Place Ph2,3a&b, Saybrook Ph6

**Mainline Construction:**

- a. Innovation Blvd/PSU –As-built drawings are being reviewed.
- b. Oakwood Phase 7 –As-built drawings are being reviewed.
- c. Kish Bank – Construction is completed. We are awaiting As-builts.
- d. Tradition Point,phase 1C –As-built drawings are being reviewed.
- e. Aaron Plaza – Construction is completed. TV inspection to be done yet.
- f. Cobble Creek II – Construction is approximately 90% completed.
- g. Haymarket,Lot 801 – Construction is completed and on hold for further site development.
- h. Saybrook Phase 7 – Construction is approximately 95% completed.
- i. Hunters Chase Phase 3 – Construction is approximately 90% completed.
- j. Golden Orchard Estates Ph2 – Construction is approximately 80% completed.
- k. Thistlewood – Construction has just begun.
- l. College Court Apts. – Construction is soon to start.

**New Connections:**

a.	Single-Family Residential	23	c.	Commercial	2
b.	Multi-Family Residential	0	d.	Industrial	0
					TOTAL 25

**7.5 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

HRG remains available to assist UAJA in the preparation of the Correction Action Plan for the I&I impacted Scott Road Pump Station.

**Tapping Fee Analysis**

HRG is beginning to work on the tapping fee analysis for UAJA and the State College Borough Water Authority per Cory’s direction.

**Beneficial Reuse**

Stage 6 Additions and Modifications Construction Phase

We continue to perform Construction Administrative functions for the project including responding to RFI’s and processing submittals. The following is a list of most process units and their status:

Process Unit	Status
College Harris Pump Station	Partial Utilization – in operation
Headworks/Grit	Partial Utilization – in operation
Primary Clarifiers	Compressor Building complete, New control system operational.
Aeration Tanks	#1 & #2 being operated; #3 80% structure complete
Secondary Clarifier #4	Partial Utilization – in operation
Secondary Clarifier Pump Station	Partial Utilization – in operation
Intermediate Pump Station	Structure complete
Tertiary Filters	Partial Utilization – in operation
Utility Water Pumps	Placed back into operation after pumps were corrected
UV	Unit #1 in operation; Unit #2 installed & being wired
Dewatering	Partial Utilization – in operation
Compost	Partial Utilization – in operation
AWT Feed Pump Station	Under construction – ready to start when AWT completed

AWT Building	Under construction (MF 95%; RO 75%)
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October began the wrap-up of the major processes as well as addressing common issues as they appear. The majority of the work is centered on the continued construction for Aeration Tank #3, installation of the Advanced Water Treatment System; installation of the UV System, and yard piping. The Control and Administration Building continue to proceed with walls completed in the lower level of the Control Building and finishes being completed in the Administration Building.

We have attached the following Logs for your information.

1. *Application for Payment Log for Contracts 02-1, 02-2, 02-3, and 02-4:* The logs track the Application for Payments to date as well as Change Orders approved.
2. *Change Order Request Logs:* The log lists all the Change Order Requests (COR) the Contractors have submitted or we have requested to date, as well as their status.
3. *Contract Drawdown Schedule:* The schedule is a comprehensive view of the all current contracts payment status.

**Change Orders:**

We recommend approval of the following:

No.	Contract	Description	Subtotal	Total
1-24	General	SMALL PIPING IN AWT	\$ 41,687.87	\$ 51,196.02
		AWT CIP FROM DIP TO CPVC	\$ 14,820.05	
		RE-POWER AIR FLOW METERS	\$ (5,311.90)	
2-3	Plumbing	87 DAY TIME EXTENSION	N/A	N/A
3-6	HVAC	DEMOLISH EXISTING DUCTWORK IN CONTROL BUILDING	\$ 2,661.00	\$ 2,661.00
4-11	Electrical	HUB ENCLOSURES	\$ 5,853.07	\$ 15,592.11
		ADMIN AND CONTROL LIGHTS BALLAST CHANGES	\$ 1,569.26	
		NEW OVERLOAD PROTECTION & POWER TO EX SCUM COLLECTORS	\$ 2,857.88	
		RE-POWER AIR FLOW METERS	\$ 5,311.90	
<b>Total</b>			<b>\$ 69,449.13</b>	

**Reasons for Change Order Items:**

1-24	Additional piping for chemical feed and pneumatic required for functional operation of RO and MF Equipment
	Change the piping from DIP to CPVC for additional life of the piping
	Air flow meters were powered incorrectly; deduct to have Electrical Contractor complete work
2-3	The General Contractor was previously granted a time extension. Since the Plumbing Contractor's work is predicated on the General Contractor's work, a time extension of the same amount is needed
3-6	The existing ductwork is required to be removed for installation of new heat pump and ductwork.
4-11	The patch panels for fiber optic to copper were specified as wall mounted without enclosures. Enclosures will protect the panels.
	The plans show 277V ballasts in the upper level of the Admin and Control Buildings; 110V is the only power available
	Retro-fit of existing equipment.
	Provide 120V power to all air flow meters in the aeration tanks.

The following table illustrates the impact of the Change Orders:

	General Construction	Plumbing	HVAC	Electrical	Total
Total Approved Change Orders	\$1,136,550.90	\$ 5,280.00	\$ (61,903.85)	\$ 142,627.85	\$ 1,222,554.90
Percentage Approved CO's vs. Original Contract	3.41%	1.58%	-2.11%	3.17%	2.87%

THIS MONTH Percentage Recommended CO's vs. Original Contract	0.17%		0.09%	0.35%	0.17%
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### Resident Project Representative

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #30 is attached, which describes the construction activities that occurred during the past month for your information.

### Stage 7 Additions and Modifications (Transmission Line Phase I) Construction Phase

A Job Conference was held November 1, 2004 and the meeting minutes are attached for your information. The following is a list of the major alignments and their status:

Alignment	Status
Spring Valley Road	Complete and awaiting final testing
Shiloh Road to SR 150	Approximately 80% complete, including major restoration
Shiloh Road to SR 26	Approximately 90% complete, including major restoration
SR 26 to Stewart Drive	No major work completed, expected to begin 12/04
Stewart Drive to Carolean Industrial	Approximately 95% complete, including major restoration
Carolean Industrial to Stewart Drive	Approximately 95% complete, including major restoration
First Avenue	Removed from the Contract

The First Avenue portion of the project was deleted from the project due to delays in the completion timeline stemming from a stop work order by College Township. With a delay of approximately 1 to 2 months expected, the Contractor would not have been able to complete paving restoration until the late spring. This removal from the project is expected to reduce the contract amount by approximately \$ 40,000 and will be incorporated into the final corrective change order for the unit price items.

There are no change orders for presentation to the Board tonight from this project

### Water Service Extension

The Contractor is working with the site General Contractor to coordinate final testing and disinfection of the potable water service extension. Upon completion of final testing and disinfection, the system will be ready for use.

### Applications for Payment (All Projects):

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	29	\$ 501,964.25
02-2	Plumbing	Robert Johnson Heating & Plumbing	18	\$ 17,097.15
02-3	HVAC	G.M. McCrossin, Inc.	23	\$ 30,027.60
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	27	\$ 61,404.64
03-3	Transmission Main	Laurel Management Company	3	\$ 373,956.30
				<b>\$ 984,449.94</b>

### Cluster's Meter Chamber

HRG has completed all of the final closeout documentation and recommended the final payment applications for approval.

### **Harris/Curtin Sewer Rehabilitation**

HRG is scheduling our surveyors to replace several property corner monuments along the sewer rehabilitation.

### **Chemcut Pump Station Rehabilitation**

The project is currently on hold, as the property owner may not grant the additional land necessary for the relocated pump station.

#### **Plan Reviews**

<b>Project Name</b>	<b>Design /As-Built</b>	<b>Status</b>	<b>Date</b>
Benner Pike Shops	Design	Recommend Approval	10/06/04
Saybrook, Phase 6, Section 7	As-Built	Recommend Approval	10/06/04
Alpha Ambulance	As-Built	Recommend Approval	10/22/04
Innovation Park	As-Built	Comments to staff	11/10/04
Wooded Hills	Design	Comments to staff	10/10/04
Tradition Cove II	Design	Recommend Approval	10/29/04
Village Square	As-Built	Recommend Approval	11/10/04
Kish Bank	As-Built	Comments to staff	11/04/04
Tradition Point Phase 1-C	As-Built	Comments to staff	11/10/04

## **7.6 Executive Director’s Report**

### **Septage Management - COG Public Services Committee**

This project has been delayed by one month due to some data collection problems. It will be on the December Public Services Committee meeting agenda. As it stands right now, the Public Services Committee reached consensus on several issues. First, the committee agrees that all on-lot systems in the Centre Region should be included in the septage management program. Second that a single septage hauling contract is not preferred. All septage haulers that agree to the UAJA permitting program should be encouraged to compete for individual tank pumpings. Finally, UAJA should manage the entire septage program, assuming UAJA can demonstrate that there will not be an increase in the administrative costs compared to what the individual municipalities would charge if they managed the program themselves (collecting data from the individual municipalities took longer than expected). After the Public Services Committee reaches agreement, it will be forwarded on to the COG General Forum. After that, individual municipalities will need to adopt the program.

### **Allocation of Beneficial Reuse Water – COG Public Services Committee**

The COG Public Services Committee also continued the discussion of allocating reuse water. The following items represent the Committee’s areas of agreement:

- CBICC should assist with securing future customers for the Beneficial Reuse Project. Specifically, the CBICC should actively encourage companies that could utilize beneficial reuse water to locate in the Dale Summit Industrial and Shiloh Road areas.
- UAJA should actively pursue customers, entering into contracts with potential customers in the Dale Summit Industrial areas. The goal is to “wrap-up” existing potential water users.

- The timeframe for constructing Phase IA of the Beneficial Reuse Project relating to the extension of the waterlines to Centre Hills Country Club should be expedited.
- Priority should be given to uses that ultimately increase the stream flow to upstream tributaries of Spring Creek such as farmland irrigation, creation of wetlands, and commercial uses that reduce the need to pump water from the aquifer.
- A public outreach program should be implemented. For instance, local professional associations such as Architects and Engineers should be made aware of the water's availability. These entities should be encouraged to integrate the reuse water in the designs of future buildings.

Ultimately, the committee will make a recommendation to the COG General Forum early in 2005.

### **Rates and Tapping Fees**

UAJA staff is not recommending a rate increase for the quarterly charge or the state College Borough wholesale rate. Consistent with the findings of the tapping fee committee from 1998, staff will be recommending the tapping fee be increased by 8 percent, which is the rate of inflation for all construction as recorded in the "Engineering News Record". The new fee, if adopted by the board through the budget process, will increase to \$3415 per EDU. The new rate would go into affect January 1, 2005.

### **Phase II Beneficial Reuse**

Mr. Miller reported that he would be attending the College Township meeting to discuss the route of the transmission line going through Lemont, to follow the power line in the mountain, follow Mt. Nittany Road or to follow Route 26 to 322 to Branch Road on November 18<sup>th</sup>.

### **Patton Township**

Mr. Miller reported that Patton Township has informed him that Mike Klapac has resigned his position on the Board. A replacement will be appointed before the January 2005 meeting.

### **Pine Grove Mills Property Sold**

Mr. Miller reported that the property at 152 E. Pine Grove Road has been sold. The funds from the sale will be credited to the debt incurred to connect the Pine Grove system and UAJA's system.

## **8. Other Business**

## **9. Adjournment**

There being no further business to come before the Board, the meeting adjourned at 5:45 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

BRIAN A. DEMPSEY  
Secretary

## MINUTES

### UNIVERSITY AREA JOINT AUTHORITY 1576 SPRING VALLEY ROAD STATE COLLEGE, PA 16801

#### Regular Meeting – December 15, 2004

#### 1. Call to Order

Ms. Bressler called the regular scheduled meeting of the University Area Joint Authority to order at 4:06 p.m. Wednesday, December 15, 2004. The meeting was held in the Board Room in the office of the Authority.

#### 2. Roll Call

Messrs. Coe, Dempsey, McShea, Schmalz, Schwab, Ms. Barnes and Ms. Bressler were present. Also present were Cory Miller, Executive Director; Art Brant, Plant Superintendent; Dick Lahr, Collection System Superintendent; Brian Book, Doug Weikel and Jason Wert, HRG; Richard Campbell, Solicitor; Mark Whitfield, Borough of State College; Dan Abruzzo, CBICC; and Kathy Wheeler, Recording Secretary. There being a quorum, the meeting was declared open for business.

#### 3. Reading of the Minutes

##### 3.1 UAJA Regular Meeting – November 17, 2004

The Board considered the UAJA minutes of the Regular Meeting held on November 17, 2004 and offered the following motion;

UAJA November 17, 2004 Meeting Minutes Approved
--

A motion was made by Mr. Schmalz, seconded by Mr. Schwab, to approve the minutes of the UAJA Regular Meeting held on November 17, 2004. The motion passed unanimously.

#### 4. Public Comment Period

None

#### 5. Old Business

##### 5.1 2005 Budget

The 2005 budget has been reviewed by the budget review committee. Corrections have been made, and the budget is now in final form, as distributed with the Board member packets.

The Board expressed their thanks for those who served on the budget committee and to Mr. Smith.

2005 Budget Approved
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A motion was made by Ms. Barnes, seconded by Mr. Schmalz, to approve the 2005 Budget as presented. The motion passed unanimously.

## 5.2 2005 Tapping Fee

The tapping fee revenues projected in the 2005 budget are based on an 8 percent increase in the tapping fee, from \$3162 to \$3415 per Equivalent Dwelling Unit (EDU). The tap fee increase is based on the increase in all construction costs as documented in the October issue of the *Engineering News record*. The tapping fee committee agreed in 1997 that it was appropriate to inflate the tapping fee each year based on this index. This ensures that anyone paying a tapping fee is paying the same value regardless of year paid.

UAJA is required to document that this fee is below the maximum amount allowable by Pennsylvania Law. Initial calculations indicate that the new amount is well below the maximum allowable. The formal calculation will be documented prior to the fee going into effect January 1, 2005.

<b>2005 Tapping Fee Approved</b>
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A motion was made by Mr. Coe, seconded by Mr. Schmalz, to approve the increase of the plant capacity tapping fee from \$3162 per EDU to \$3415 per EDU effective January 1, 2005. The motion passed unanimously.

## 6. New Business

### 6.1 Contracts No. 2004-5 and 2004-6 – Bulk Chemicals

On Tuesday, November 30, 2004 at 2 pm bids were opened for the purchase of Aluminum Sulfate and Sodium Hypochlorite for the period of January 1 through December 31, 2004. The bids that were submitted are as follows:

Sodium Hypochlorite (Contract #2004-6):	Univar	\$1.20/gal
Aluminum Sulfate (Contract #2004-5)	Delta Chemical	\$265.00/dry ton
	General Chemical	\$189.50/dry ton
	Univar	\$250.00/dry ton

It is our recommendation to award the bid for Sodium Hypochlorite to Univar and Aluminum Sulfate to General Chemical. Contract documents will be available for signature at the board meeting.

<b>Contracts No. 2004-5 and 2004-6 Bulk Chemicals Approved</b>
--

A motion was made by Mr. McShea, seconded by Mr. Schwab, to Award Contract No. 2004-5 to General Chemical for \$189.50 per dry ton and Contract No. 2004-6 to Univar for \$1.20 per gallon. The motion passed unanimously.

### 6.2 Change Order # 4--12

This change order is to add a larger starter for a 40 horsepower backwash pump.

**Change Order #4-12  
Approved**

A motion was made by Mr. McShea, seconded by Ms. Barnes, to approve Change Order #4-12 in the amount of \$6,314.40. The motion passed unanimously.

**6.3 Requisitions**

Construction Fund Stage 6-182	App. #30 Myers	\$552,636.68
Construction Fund Stage 6-183	App. #24 McCrossin	\$77,654.83
Construction Fund Stage 6-184	App. #28 Biter	\$59,387.76
Construction Fund Stage 7-185	PA DOT	\$4,323.48
Construction Fund Stage 7-186	Appl # 4 Laurel	\$ 585,583.00
Construction Fund Stage 6-187	HRG-RPR # 30	\$46,901.41
Construction Fund Stage 6-188	HRG-CM #29	\$18,486.65
Construction Fund Stage 6-189	Johnson #19	\$14,649.00

**Construction –  
Requisitions  
Approved**

A motion was made by Mr. Coe, seconded by Mr. Schmalz, to approve the Construction Requisitions. Motion passed unanimously.

**7. Reports of Officers**

**7.1 Financial Report**

The Financial Report for the period ending November 2004 was presented to the Board for their review.

**7.2 Chairman’s Report**

**7.3 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 no exceptions to our NPDES permit. The 12-month rolling average flow for November was 5.04 mgd with the average for the month being 4.68 mgd.

There were no inspections by DEP of the treatment facility; however William S. Hanczar of DEP inspected and sampled compost from the Compost facility on November 17<sup>th</sup>, 2004. Of

the three samples he took, two failed for fecal. He returned for a follow up visit on December 6<sup>th</sup>, 2004 and it was determined that the samples were taken from an uncured compost pile.

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

### **Plant Maintenance**

- A by-pass switch was installed for the low water shut-off float at the Main Station. This will enable the staff to run the pumps should the float fail.
- Removed a fairly large piece of firewood from suction line of #3 pump at the Main Station. The pump still has an undetermined noise and is out of service until the problem is corrected.
- The compressor on HP #5 failed. This unit is under a 5 year warranty and will be replaced at the cost of labor.
- Our new utility water pumps were put on line and are operating smoothly.
- Now that the SO2 building is no longer being used, it is being altered to store spare parts and eventually be utilized as a maintenance work area.
- The grit chamber of #2 primary tank was cleaned.
- Train #2 at the UV tank was cleaned in preparation of total utilization of the UV system. This was put on line December 1<sup>st</sup> 2004. Some Plant and Maintenance personnel were given 2-3 hours of training on this system.
- Tanks #4, #5 and #6 at Dewatering were cleaned utilizing the Vactor truck. I would like to thank the Collection and other Plant personnel for their assistance.

### **Compost**

- We have now produced 4959 cubic yards of compost as of the end of November and sold 1576 cubic yards.
- Replaced alternator on the street sweeper.
- Replaced the master link for the drive chain in the Knight mixer.

With the retirement of Sam Taylor, we have had some personnel shifting position. John Susan has replaced Sam in Dewatering, Greg Thal has moved to Maintenance and Jim Poorman has moved to Compost.

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

## **7.4 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 – (2) 159 Lower Grandview Rd., 224 Science Park Ct.
- (UA) Lateral Repairs – (2) 700 Cornwall, 430 Sylvan Dr.
- (UA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)
- (UA) Mainline Repairs – None
- (UA) Manhole Repairs – None

- (UA) Manhole Casting Repairs – (1)
- (FTA) Lateral Installations – None
- (FTA) Lateral Repairs – None
- (FTA) Mainline Cleaning – (0 manholes inspected- 0 feet cleaned)
- (FTA) Mainline Repairs – None
- (FTA) Manhole Repairs – None
- (FTA) Manhole Casting Repairs – None

The Douglas Drive and Harris Street back-lot (phase1) mainline replacement projects have been completed. We helped clean Plant tanks with the cleaner machine and did routine equipment maintenance.

**I/I INSPECTION:**(We TV'd 5,604 ua/0 fta feet of mainline and inspected 35 ua/0 fta MH's .) Tested/Grouted – (0/0) Estimated I/I-flow decreased – (0gpd. fta.) 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 rebuilt one of the pumps at the Chemcut station.

**INSPECTION:** Provisional As-builts Approved: Oakwood phase 7, Tradition Point phase 1C, Kish Bank

**Mainline Construction:**

- a. Innovation Blvd/PSU –As-built drawings are being reviewed.
- b. Aaron Plaza – Construction is completed. We are awaiting As-builts.
- c. Cobble Creek II – Construction is completed. We are awaiting As-builts.
- d. Haymarket, Lot 801 – Further site development will begin soon.
- e. Saybrook Phase 7 – Construction is completed. We are awaiting As-builts.
- f. Hunters Chase Phase 3 – Construction is approximately 95% completed.
- g. Golden Orchard Estates Ph2 – Construction is completed. We are awaiting As-builts.
- h. Thistlewood – Construction has just begun.
- i. College Court Apts. – Construction is soon to start.

**New Connections:**

a.	Single-Family Residential	23	c.	Commercial	3
b.	Multi-Family Residential	0	d.	Industrial	0
					TOTAL 26

**7.5 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**

HRG remains available to assist UAJA in the preparation of the Correction Action Plan for the I&I impacted Scott Road Pump Station.

**Tapping Fee Analysis**

HRG is working an tapping fee analysis for UAJA and the State College Borough Water Authority per Cory's direction.

**Beneficial Reuse**

**Stage 6 Additions and Modifications Construction Phase**

We continue to perform Construction Administrative functions for the project including

responding to RFI's and processing submittals. The following is a list of most process units and their status:

Process Unit	Status
College Harris Pump Station	Partial Utilization – in operation
Headworks/Grit	Partial Utilization – in operation
Primary Clarifiers	Compressor Building complete, New control system operational.
Aeration Tanks	#1 & #2 being operated; #3 90% structure complete
Secondary Clarifier #4	Partial Utilization – in operation
Secondary Clarifier Pump Station	Partial Utilization – in operation
Intermediate Pump Station	Structure complete
Tertiary Filters	Partial Utilization – in operation
Utility Water Pumps	Placed back into operation after pumps were corrected
UV	Both Units in operation;
Chemical Addition	Alum tank moved; completing mechanical and structural
Dewatering	Partial Utilization – in operation
Compost	Partial Utilization – in operation
AWT Feed Pump Station	Under construction – ready to start when AWT completed
AWT Building	Under construction (MF 95%; RO 85%)

**Change Orders:**

We recommend approval of the following:

No.	Contract	Description		Total
4-12	Electrical	ADD SIZE 3 STARTER FOR 40HP MF BACKWASH PUMP	\$ 6,314.40	\$ 6,314.40
<b>Total</b>				<b>\$ 6,314.40</b>

**Reasons for Change Order Items:**

4-12	Pump motor sizes changed throughout the AWT Building. One additional starter is needed for the Backwash Pump.
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The following table illustrates the impact of the Change Orders:

	General Construction	Plumbing	HVAC	Electrical	Total
Total Approved Change Orders	\$1,187,746.92	\$ 5,280.00	\$ (59,242.85)	\$ 158,219.96	\$ 1,292,004.03
Percentage Approved CO's vs. Original Contract	3.57%	1.58%	-2.02%	3.52%	3.04%
THIS MONTH Percentage Recommended CO's vs. Original Contract				0.14%	0.01%

**Resident Project Representative**

We continue to support the Project providing Resident Project Representatives. Monthly Progress Report #31 is attached, which describes the construction activities that occurred during the past month for your information.

**Stage 7 Additions and Modifications (Transmission Line Phase I) Construction Phase**

A Job Conference was held November 15, 2004 and the meeting minutes are attached for your information. The following is a list of the major alignments and their status:

Alignment	Status
Spring Valley Road	Complete and awaiting final testing
Shiloh Road to SR 150	Approximately 95% complete, including major restoration
Shiloh Road to SR 26	Approximately 95% complete, including major restoration
SR 26 to Stewart Drive	Complete and awaiting final testing
Stewart Drive to Carolean Industrial	Approximately 95% complete, including major restoration
Carolean Industrial to Stewart Drive	Approximately 95% complete, including major restoration
First Avenue	Removed from the Contract

The system is structurally complete with all pipeline work completed. The system still needs some final pressure testing and the entire facility requires disinfection.

There are no change orders for presentation to the Board tonight from this project.

**Water Service Extension**

The Contractor is working with the site General Contractor to coordinate final testing and disinfection of the potable water service extension. Upon completion of final testing and disinfection, the system will be ready for use.

**Applications for Payment (All Projects):**

We recommend payment of the following:

Contr. No.	Contract	Contractor	App No.	Amount
02-1	General Construction	Allan A. Myers, LP	30	\$ 552,636.68
02-2	Plumbing	Robert Johnson Heating & Plumbing	19	\$ 14,649.00
02-3	HVAC	G.M. McCrossin, Inc.	24	\$ 77,654.83
02-4	Electrical	Bob Biter Electrical Enterprises, Inc.	28	\$ 59,378.76
03-3	Transmission Main Ph 1	Laurel Management Company	4	\$ 585,583.00
				<b>\$ 1,289,902.27</b>

**Cluster’s Meter Chamber**

HRG has completed all of the final closeout documentation and recommended the final payment applications for approval. Draft Record drawings will be submitted to the Authority for review in the next week.

**Harris/Curtin Sewer Rehabilitation**

HRG is scheduling our surveyors to replace several property corner monuments along the sewer rehabilitation.

Project Name	Design /As-Built	Status	Date
Innovation Park	As-Built	Recommend Approval	12/1/04
Wooded Hills	Design	Comments to staff	10/10/04
Kish Bank	As-Built	Recommend Approval	11/18/04
Tradition Point Phase 1-c	As-Built	Recommend Approval	11/18/04
Golden Orchard Estates-Phase II	As-Built	Comments to staff	12/3/04
Aaron Plaza	As-Built	Comments to staff	12/8/04
Cobblecreek Manor Two	As-Built	Comments to staff	12/8/04
Foxpointe PRD Section 1D	As-Built	Comments to staff	12/8/04

## **7.6 Executive Director’s Report**

### **Allocation of Beneficial Reuse Water – COG Public Services Committee**

The COG General Forum has reviewed the work of the Public Services Committee to date, and has agreed that the committee is headed in the right direction. A report on the findings of the committee will be prepared by the Centre Region Planning Agency and UAJA. The report should be available by February. An additional meeting and one at College Township will be held to discuss Phase II line. Would like to avoid Lemont and see the line follow College Avenue to Route 322 to the bike path to Centre Hills Country Club. The meeting should be held on January 18, 2005 to discuss this with the public.

### **Rates and Tapping Fees**

UAJA staff is not recommending a rate increase for the quarterly charge or the state College Borough wholesale rate. Consistent with the findings of the tapping fee committee from 1998, Staff will be recommending the tapping fee be increased by 8 percent, which is the rate of inflation for all construction as recorded in the “Engineering News record”. The new fee, if adopted by the board through the budget process, will increase to \$3415 per EDU. The new rate would go into affect January 1, 2005.

### **Pine Grove Mills**

Flow meters are being installed to collect data to pin point areas in the Pine Grove Mills district. Piney Ridge is not a source of concern due to data collected from the pumping station. A report will be drafted to DEP to discuss corrective action.

## **8. Other Business**

## **9. Adjournment**

There being no further business to come before the Board, the meeting adjourned at 5:45 p.m.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

BRIAN A. DEMPSEY  
Secretary