



998 Hunters Trail Anderson, SC 29625
Phone: 864-332-6534 Fax: 864-224-6116

BOARD AGENDA

**Regular Board of Commissioners' Meeting
July 18, 2007**

Call to Order

Additions to the Agenda

Commissioners' Comments

Public Comment

Approval of Minutes of June 20, 2007

I. Information

1. Financial Report
2. Administration Report
3. Operations and Maintenance Report
4. Engineering Report

II. Discussion and Possible Action

1. Capital Facility Financing under the Water Sale and Purchase Agreement
(Joint Water System Legal Counsel)

III. Adjournment

NOTE: Due to facility construction, the next 3 Board meetings will be held in the Anderson County Library meeting rooms on the regularly scheduled days.



Your Community-Owned and Operated System
998 Hunters Trail
Anderson, SC 29625

**MINUTES OF THE
ANDERSON REGIONAL JOINT WATER SYSTEM
June 20, 2007**

LET THE MINUTES SHOW THAT THE MEDIA WERE NOTIFIED OF THIS MEETING IN ACCORDANCE WITH THE SOUTH CAROLINA FREEDOM OF INFORMATION ACT.

COMMISSIONERS PRESENT: Charlie Gibson, Sandy Springs; Rick Cotton, City of Clemson; Richard Bork, Town of Pendleton; Norb Steeber, Powdersville; Tommy Phillips, Broadway; Toddy Hopkins, West Anderson; Frank Turner, Hammond, Dennis Chastain, Homeland Park; David Davis, Belton-Honea Path; Tim Hood, Town of Williamston; Duane Rogers, Big Creek; Leo Treadaway, Starr-Iva; Jeff Caldwell, City of Anderson; Phillip Mishoe, Town of Central

OTHERS PRESENT: Belton Zeigler, Haynsworth Sinkler Boyd; Margaret Pope, Haynsworth Sinkler Boyd; Ed Chamblee, Hammond; Marshall Kowlaski, Hammond; James S. Eakes, Hammond; Chris Eleazer, City of Anderson; Dyke Spencer, Powdersville; Bud Whelchel, Sandy Springs; Jerry Cox, Broadway; Scott Willett, ARJWS; Jennifer Barrington, ARJWS; Connie Finger, ARJWS; Eddie Makison, ARJWS; David Melton, ARJWS; Ann Gates, ARJWS

Chairman Rick Cotton called the meeting of Anderson Regional Joint Water System to order at 10:02 a.m. on June 20, 2007.

There were no additions to the agenda, Commissioners' comments or Public comments at this time.

Frank Turner made a motion and Jeff Caldwell seconded to approve the minutes of the May 16, 2007 board meeting. Motion carried.

I. Election of Board Officers for FY 2007/08

A motion was made by Mr. Turner and seconded by Mr. Caldwell to elect as the 2007/08 Executive Committee: Norbert Steeber, Chairman; Jeff Caldwell, Vice Chairman; Duane Rogers; Secretary; Charlie Gibson and David Davis, at large; and Rick Cotton, past Chairman. Motion carried.

A motion was made by Richard Bork and seconded by Charlie Gibson to elect the Board Officers: Norbert Steeber, Chairman; Jeff Caldwell, Vice Chairman; Duane Rogers, Secretary. Motion carried.

II. Information

1. Financial Report

Mr. Willett gave the financial report of the month of May 2007. A copy of this report is attached to the file copy of these minutes.

2. Administration Report

All payments have been received for April and May bills were mailed on June 4th.

The Joint Water System website is up and running. We will continue to add content and have the Board meeting packets and approved minutes available. The website address is: www.arjwater.com.

The next safety meeting will be held July 12 at 11:00 am.

A copy of this report is attached to the file copy of these minutes.

3. Operations and Maintenance Report

ARJWS reached 100% settled water turbidity goal for the month of May. Water quality remains good and as of June 4th Lake Hartwell was 2½ feet below full pool.

ARJWS staff instated a power management program during mid March and preliminary results have been favorable.

High Service Pump #2 has been repaired and alignment and startup is scheduled for 6-5. Work is in progress on the pump base for raw water pump #4. Actuators on filters 8, 9 and 10 have been repaired.

A copy of this report is attached to the file copy of these minutes.

4. Engineering Report

All original contractual work has been permitted for operation on the Lake Hartwell Treatment Plant Upgrade by SCDHEC. The only outstanding component is the MIOX system.

CDM continues to work on the improvements necessary for the Transmission System to maintain reliable service.

A contract has been finalized with Lazer Construction for the Administrative/Maintenance Building. The building has been ordered from Nucor Building Systems and is scheduled for delivery early July 2007.

A copy of this report is attached to the file copy of these minutes.

III. Discussion and Possible Action

1. FY 2007-08 Joint Water System Budget - Second Reading

After reviewing the budget, a motion was made by Norb Steeber and seconded by Duane Rogers to accept the 2007-08 Joint Water System Budget. Motion carried.

2. Capital Facility Financing under the Water Sale and Purchase Agreement

After a lengthy discussion there was no action taken by the Board. The Board agreed to have a special meeting called on July 10th at 1:30 pm to review and determine the terms of the Water Sale and Purchase Agreement and financing alternatives.

IV. Adjournment

With no further business, Chairman Cotton adjourned the meeting at 12:26 pm.

Respectfully submitted,

Jeff Caldwell
City of Anderson

PUMPED REPAIR & REPLACEMENT ACCOUNT

June 30, 2007

<u>DATE</u>	<u>PAYEE</u>	<u>DEPOSIT</u>	<u>AMOUNT</u>	<u>BALANCE</u>
06/01/07	BALANCE BROUGHT FORWARD			277,092.74
06/25/07	DEPOSIT (transfer from O & M)	6,806.20		283,898.94
06/28/07	DEPOSIT (interest)	972.68		<u>284,871.62</u>
	LESS EMCUMBERED FUNDS			-
	BALANCE UNEMCUMBERED FUNDS			<u>284,871.62</u>

SYSTEMS REPAIR & REPLACEMENT ACCOUNT

June 30, 2007

<u>DATE</u>	<u>PAYEE</u>	<u>DEPOSIT</u>	<u>AMOUNT</u>	<u>BALANCE</u>
06/01/07	BALANCE BROUGHT FORWARD			1,953,985.14
06/11/07	JJ&G		3,400.00	1,950,585.14
06/18/07	SEEPEx, INC		9,562.00	1,941,023.14
06/25/07	DELL MARKETING L.P.		6,443.40	1,934,579.74
06/25/07	DEPOSIT (O&M)	92,265.17		2,026,844.91
06/28/07	DEPOSIT (INTEREST)	7,107.86		2,033,952.77
	LESS ENCUMBERED FUNDS			836,379.20
	BALANCE UNENCUMBERED FUNDS			1,197,573.57

SUMMARY OF JUNE SPENDING

ON-SITE CHLORINE GENERATION SYS	9,562.00
CONTRUCTION ADMINISTRATION	3,400.00
MISC. R&R	6,443.40
TOTAL	19,405.40

ENCUMBERENCES

	<u>BUDGET</u>	<u>BALANCE</u>
NEW OFFICE BUILDING	753,629.00	753,629.00
RAW WATER PUMP	124,350.00	80,958.68
CELLO METERS	83,500.00	1,791.52
		836,379.20

SRF LOAN FUNDING:

PLANT EXPANSION/UPGRADE PROJECT:

	BUDGET	AMOUNT WITHDRAWN	
JJ&G TASK #11 Plant expansion	248,000.00	248,000.00	-
JJ&G TASK #12 Bidding phase/plant expansion	15,500.00	15,500.00	-
JJ&G TASK #13 Construction Adm/Plant Expansion	184,000.00	174,430.00	9,570.00
On-Site Chlorine Generation/Feasibility Study	7,500.00	6,814.04	685.96
On-Site Chlorine Generation/Design	93,750.00	91,533.49	2,216.51
CONSTRUCTION ENGINEERING (Guthrie Engineering)	87,600.00	88,138.09	(538.09)
CONSTRUCTION(Plant Expansion)	4,446,102.00	<u>4,433,561.71</u>	12,540.29

ANDERSON REGIONAL JOINT WATER SYSTEM
Profit & Loss Budget vs. Actual
July 2006 through June 2007

	TOTAL			
	Jun 07	Budget	Jul '06 - Jun 07	Budget
Ordinary Income/Expense				
Income				
6000 · FEES O & M + CAP				
6001 · FEES O & M -TOTAL				
6001.1 · Base O & M Subtotal	0.00	213,954.00	0.00	2,567,458.00
6001.2 · Pumped O & M Subtotal	0.00	17,030.00	0.00	204,369.00
Total 6001 · FEES O & M -TOTAL	0.00	230,984.00	0.00	2,771,827.00
6002 · FEES CAP	0.00	290,723.00	0.00	3,488,670.00
6000 · FEES O & M + CAP - Other	576,496.97		6,513,323.94	
Total 6000 · FEES O & M + CAP	576,496.97	521,707.00	6,513,323.94	6,260,497.00
6010 · FEES- MISC. INCOME	0.00	2,500.00	35,875.16	30,000.00
6015 · TRANSFERS FROM RSF	0.00	14,250.00	0.00	171,000.00
Total Income	576,496.97	538,457.00	6,549,199.10	6,461,497.00
Expense				
4000 · Reconciliation Discrepancies	0.00		0.02	
8010 · SALES TAX ACCRUAL	0.00	250.00	2,876.25	3,000.00
8050 · ADVERTISING -	0.00	166.00	244.10	2,000.00
Total 8060 · OFFICE SUPPLIES/EXPENSE:	948.60	707.00	7,383.61	8,500.00
8065 · DUES/SUBSCRIPTIONS	196.00	500.00	5,576.75	6,000.00
8070 · BANK SERVICE CHARGES	0.00	50.00	2,415.40	600.00
8080 · DEBT SVC 2002 Bond Series	312,839.92	304,973.00	3,719,960.97	3,659,670.00
8081 · DEBT SVC 2005 Bond Series	27,105.88		135,529.38	
Total 8090 · AUTO/TRUCK EXPENSE	4,060.54	1,875.00	24,161.97	22,500.00
8105 · RENT	4,575.75	690.00	12,364.60	8,280.00
Total 8110 · LICENSES/PERMITS	0.00	3,125.00	37,719.50	37,500.00
8120 · Lease/Purchase Miox Gen. Equip	0.00		41,896.36	
8130 · STATIONARY/PUBLICATIONS	141.06	25.00	600.66	300.00
8140 · SEMINARS & CONVENTIONS	530.00	416.00	4,568.50	5,000.00
8150 · POSTAGE/FREIGHT	101.21	141.00	2,763.87	1,700.00
8160 · FILM & PROCESSING	0.00	9.00	58.87	100.00
Total 8175 · METER REPAIR	0.00	1,084.00	2,765.63	13,000.00
8180 · SECURITY	0.00	500.00	345.92	6,000.00
Total 8200 · PUMP MAINT./REPAIR	2,923.11	3,150.00	25,346.82	37,800.00
Total 8220 · PROFESSIONAL FEES	7,686.70	5,623.00	43,413.58	67,500.00
Total 8300 · INSURANCE	2,214.00	7,601.00	70,781.58	91,221.00
Total 8400 · LABORATORY	2,631.36	3,848.00	43,431.93	46,160.00
Total 8500 · WATER TREATMENT	291.40	3,300.00	43,400.16	39,600.00
Total 8600 · PAYROLL EXPENSES	109,807.80	94,945.00	1,012,258.87	1,139,346.00
Total 8700 · TELEPHONE	1,564.50	3,271.00	47,234.20	39,260.00
Total 8800 · MISCELLANEOUS	4,170.78	1,232.00	16,502.22	14,800.00
Total 8820 · CUSTODIAL CARE	94.30	234.00	3,190.89	2,800.00
Total 8830 · REPAIRS/MAINTENANCE	4,111.08	3,341.00	33,486.79	40,100.00
Total 8840 · CHEMICAL SUPPLIES	20,090.48	28,334.00	316,083.16	340,000.00
Total 8850 · TANKS/STANDPIPES/RESEV	353.75	434.00	12,905.90	5,200.00
Total 8860 · UTILITIES	27,645.01	65,114.00	751,903.79	781,360.00
8870 · TRAVEL	938.78	234.00	5,815.78	2,800.00
8871 · MANAGER'S EXPENSE	39.40	100.00	370.55	1,200.00
8872 · BOARD EXPENSE	93.04	150.00	1,504.74	1,800.00
8873 · STAFF INCENTIVE PROGRAM	0.00	50.00	0.00	600.00
8874 · TRAINING & EDUCATION REIMBUF	0.00	334.00	4,477.00	4,000.00
8875 · MEALS/ENTERTAINMENT	0.00	150.00	2,248.11	1,800.00
Total Expense	535,154.45	535,956.00	6,435,588.43	6,431,497.00
Net Ordinary Income	41,342.52	2,501.00	113,610.67	30,000.00
Other Income/Expense				
Other Income				
6030 · Pumped R&R	6,585.47		78,799.58	
6040 · SYSTEM R&R	83,639.95		1,062,479.01	
8900 · INTEREST INCOME	0.00		111,135.19	
Total Other Income	90,225.42		1,252,413.78	
Net Other Income	90,225.42		1,252,413.78	
Net Income	131,567.94	2,501.00	1,366,024.45	30,000.00



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BOARD MEMORANDUM

June 4, 2007

Subject

June 2007 Administration Report

Discussion

Billing

All payments for the month of May have been received. Meters were read on July 2nd, with usage up approximately 4.4% from last month (for the same number of days), and up 5.0% from the same period/same number of days last year. June bills were mailed on July 9th.

Seasonal surplus charges for June were 22,710,000 gallons; \$25,798.40. Total gallons sold to-date are now 89,431,000 and total dollars \$111,461.72.

Training

The next safety meeting will be held on Thursday, September 13th at 11:00 am. The subject will be Fall Protection.

Prepared by: Connie Finger, Office Manager
Approved by: Scott Willett, Executive Director



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BOARD MEMORANDUM

July 5, 2007

Subject

June 2007 Operations and Maintenance Report

Discussion

Operations

As of July 2, 2007 Lake Hartwell was at 656.60 ft above mean sea level. This is three and four tenths feet below full pool. Raw water is being taken from the second gate of the intake structure. Water temperature at the second gate is eighty degrees. Warmer water temperatures work well with our process in respect to settled water turbidity goals. ARJWS reached 100% settled water turbidity goal for the month of June. Water quality remains generally good. Raw water turbidity is normal. Raw water, settled water, and finished water pH levels are normal. The maximum day for June was 85.4% of finished water capacity.

In addition to quality sampling for the Lake Hartwell Water Treatment Plant, Joint Water System staff processed 183 total coliform samples for local entities. The City of Belton was added to the routine sampling schedule in June.

Water Production Data

	Average	Minimum	Maximum	Total
Raw Water (MG)	24,191,000	20,015,000	30,512,000	725,734,000
Finished Water (MG)	22,752,000	18,887,000	27,330,000	682,561,000
Finished Max Capacity	71.00%	59.00%	85.4.00%	76.00%

NOTE: Percentages are finished water capacities.
 Minimum day for raw water is less than minimum day for finished water due to normal seasonal production shutdowns.

Water Quality Data

	Raw	Settled	Finished
pH	6.84	6.17	6.96
Turbidity (NTU) Range	1.9 to 4.7	0.44 to 0.94	0.06 to 0.09
Turbidity (NTU) Average	2.69	0.71	0.06
Turbidity (NTU) Exceedance	N/A	0%	0%
Residual Disinfectant (ppm)	N/A	0.43	1.27

NOTE: Area Wide Optimization Program Goal equals 1.0 NTU or less for settled water turbidity 95% of the time.
 Regulations require 1.0 NTU or less for finished water.

ARJWS has completed thirteen months of Long Term 2 Enhanced Surface Water Treatment Rule testing. Results for the tenth month are negative for Cryptosporidium and Giardia. The Long Term 2 testing period will encompass twenty four months.

Weather Data

	Minimum	Maximum	Total
Rainfall	0.00	0.58 in.	2.17 in.
Temperature	60 °F	99 °F	N/A
Humidity	15% Rh	100% Rh	N/A

Maintenance

- All settled and mixed water pipes on the mixers and clarifiers have been sandblasted, primed and painted.
- Cummins Atlantic is scheduled to install the re-cored radiator for generator #2 the week of July 2.
- All materials have been received and the installation of Raw Water Pump 4 is tentatively scheduled for the week of July 16.
- Re-installation of the post mixer is scheduled for July 11.
- The cooling fan for the High Service building has been rebuilt and re-installed.
- All cranes and hoists have been inspected. The hoist in the MIOX room will need repairs.
- A new shielded control cable has been pulled for Raw Water Valve # 2.

Prepared by: Eddie Makison, Maintenance Manager
David Melton, WTP Superintendent

Approved by: Scott Willett, Executive Director



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BOARD MEMORANDUM

July 6, 2007

Subject

June 2007 Engineering Update

Discussion

Lake Hartwell Water Treatment Plant Upgrade

A Miox representative successfully commissioned the system during his visit to the site and was able to make product from all three generators. However, problems with the chiller still exist. Miox is scheduling the chiller manufacturer to visit the site immediately. ARJWS will continue to work with Miox to correct this problem in a timely manner.

A permit to operate will not be requested from SCDHEC until the chiller issues are corrected.

Transmission System Improvements

Based on the input received by member agencies, CDM is proceeding with hydraulic modeling to identify the immediate core improvements necessary to maintain reliable service in the ARJWS system. CDM and I have met with SCDOT and spoken with the Army Corps of Engineers regarding different routing scenarios to install the pipe across Lake Hartwell.

Annual Maintenance on Storage Tanks

Utility Service Company is tentatively scheduled to conduct a washout inspection at the Clemson House Tank on July 17, 2007. ARJWS continues to work with Cingular Wireless on the removal of the antennas on the Clemson House Tank.

Administrative/Maintenance Building

Anderson County Building and Land Use permits were issued mid-June. The contractor has poured the slab for the building and is in the process of erecting the structural steel.

Duke Power will install a new service to the site for the Administration Building. This work should be complete within the next two months.

Underground Power to Raw Water Pump Station

A CDM electrical engineer has visited the site twice regarding the design of the electrical duct bank to the Raw Water Intake Structure. ARJWS should receive final plans and specs for review early to mid- July. ARJWS plans to advertise for construction services in July 2007.

Prepared by: Jennifer H. Barrington, P.E., System Engineer
Approved by: Scott Willett, Executive Director