

MINUTES OF THE REGULAR MEETING
OF THE
BUFFALO SEWER AUTHORITY
January 7, 2004

49855.....49870

BUFFALO SEWER AUTHORITY

January 7, 2004

REGULAR MEETING

9:00 A.M.

1038 CITY HALL

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ITEM NO. 2						
INFORMATIVE: TEMPORARY INVESTMENTS (CERTIFICATES OF DEPOSIT AND TREASURY BILLS)						
December 26, 2003						
ISSUE DATE	MATURITY DATE	TOTAL DAYS	AMOUNT	BANK	RATE	INTEREST AMOUNT
CAPITAL IMPROVEMENT FUND						
#####	MONEY MARKE		\$ 500,000.00	CHASE	1.26%	Co.High Yield
CONSTRUCTION FUND						
#####	MONEY MARKE		\$ 13,710,149.79	CHASE	1.26%	Co.High Yield
LIABILITY AND CASUALTY RESERVE FUND						
#####	MONEY MARKE		\$ 1,140,467.44	CHASE	1.26%	Co.High Yield
OPERATING FUND						
#####	MONEY MARKE		\$ 2,312,782.78	CHASE	1.26%	Co.High Yield
TRUST & AGENCY FUND						
#####	MONEY MARKE		\$ 21,138.09	CHASE	1.26%	Co.High Yield
SURPLUS FUND						
#####	31-Dec-03	184	\$ 2,844,971.84	4&T Securities	0.96%	\$14,028.16
NET REVENUE FUND						
#####	31-Dec-03	184	\$ 5,320,764.05	4&T Securities	0.96%	\$26,235.95
#####	26-Jan-04	35	\$ 499,513.89	4&T Securities	1.00%	\$486.11
#####	26-Apr-04	126	\$ 1,428,830.43	4&T Securities	1.03%	\$5,169.57
#####	01-Jul-04	210	\$ 7,620,435.32	4&T Securities	1.13%	\$50,564.68
			\$ 14,869,543.69			
DEBT RESERVE FUND						
#####	30-Jun-04	366	\$ 1,179,697.42	S.TREAS.NOTI	#####	\$16,631.87
			(1,157,000.00 par)			
SERIES I						
#####	15-Aug-08	1788	\$ 7,350,000.00	4&T Securities	3.25%	\$119,437.50
SERIES H						
#####	15-Apr-32		\$ 2,825,593.00	SLG	#####	
			\$ 11,355,290.42			
CONSTRUCTION FUND						
SERIES H						
#####	31-Dec-03	13	\$ 1,799,376.00	4&T Securities	0.96%	\$624.00
#####	08-Jan-04	28	\$ 2,822,802.78	4&T Securities	1.00%	\$2,197.22
#####	15-Jan-04	28	\$ 1,899,521.44	4&T Securities	1.00%	\$1,478.56
#####	22-Jan-04	35	\$ 1,924,108.78	4&T Securities	1.01%	\$1,891.22
#####	29-Jan-04	36	\$ 2,002,036.08	4&T Securities	0.98%	\$1,963.92
			\$ 10,447,845.08			
RECEIVE & FI						

ITEM NO. 4

AUTHORIZATION FOR 90-DAY TRIAL USE AGREEMENT AND PURCHASE OF CHOPPER PUMPS FOR DIGESTERS 5 AND 6

- WHEREAS: On November 12, 2003, the Board of the Buffalo Sewer Authority authorized the General Manager to enter into and execute a contract with URS Corporation for Engineering Services for the evaluation of the heating systems on digesters 1, 2, 5, and 6 at the Treatment Plant in order to enhance the operation of these four digesters during the coming winter months; and
- WHEREAS: Due to the low flow of sludge in the sludge recirculation loops, as well as the age and condition of the existing pumps, URS Corporation has recommended replacing the existing pumps in digesters 5 and 6 with Vaughan chopper pumps; and
- WHEREAS: Vaughan Company, Inc., submitted a quote in the amount of \$28,134.00 for two (2) new self-priming chopper pumps for digesters 5 and 6; and
- WHEREAS: Board approval is required on purchases made over \$10,000.00; and
- WHEREAS: Representatives from Vaughan Company, Inc., and the staff of the Buffalo Sewer Authority desire to enter into a 90-day trial use agreement to install and operate these pumps at the Treatment Plant. At the end of the trial period, the Buffalo Sewer Authority will have 30 days to either purchase these pumps or remove, drain, clean, and return the pumps to Vaughan Company, Inc., at no cost to the Buffalo Sewer Authority; and
- WHEREAS: The Treatment Plant Superintendent, Superintendent of Mechanical Maintenance, and staff recommend acceptance of this 90-day trial use agreement and purchase; and
- WHEREAS: Due to the necessity to expedite this order, the Board was polled and verbally authorized this 90-day trial use agreement and purchase on December 10, 2003; and
- WHEREAS: It is now necessary to formally ratify this authorization.

NOW THEREFORE
BE IT RESOLVED:

That the Board of the Buffalo Sewer Authority hereby formally authorizes the General Manager to enter into a 90-day trial use agreement with Vaughan Company, Inc., to install two (2) new self-priming chopper pumps for digesters 5 and 6 at the Treatment Plant. If these pumps are found to be suitable for the needs of the Buffalo Sewer Authority, the Board of the Buffalo Sewer Authority further authorizes the General Manger to purchase these pumps from Vaughan Company, Inc., at a total cost of \$28,134.00, plus any incurred freight charges, or to return them at no cost to the Buffalo Sewer Authority. Funds are available in account no. 02000216-474080.

MOTION TO APPROVE

MADE BY MR. NAPLES

2ND BY MR. KENNEDY

AYES 3 NOES 0

Board Meeting of January 7, 2004

ITEM NO. 5

AMENDMENT NO. 1 TO THE AGREEMENT WITH URS CORPORATION - CONTRACT NO. 84200016

WHEREAS: On May 28, 2003, the Board of the Buffalo Sewer Authority approved a contract with URS Corporation for design, inspection, and construction administration for installation of Anaerobic Digester Mixing and Heating Systems at the Bird Island Wastewater Treatment Plant; and

WHEREAS: To house the new mixing pumps for digesters 3 and 4, a new free standing structure will have to be erected; and

WHEREAS: The work associated with the required new structure was not part of the original engineering service contract; and

WHEREAS: URS has submitted a quote for Task 8, Mixing Pump Building Design, at a cost of \$53,950.00; and

WHEREAS: The Treatment Plant Administrator and her committee have reviewed the cost for Task 8 and recommend the increase to the contract.

NOW THEREFORE
BE IT RESOLVED: That the Board of the Buffalo Sewer Authority hereby authorizes the General Manager to increase the contract with URS Corporation by \$53,950.00. This brings the total cost of the contract for design, inspection, and construction administration for installation of Anaerobic Digester Mixing and Heating Systems to a cost not to exceed \$320,838.00. Funds for this contract will be charged to account number 02000214-432004.

MOTION TO	<u>APPROVE</u>		
MADE BY	<u>MR. NAPLES</u>		
2 ND BY	<u>MR. KENNEDY</u>		
AYES	<u>3</u>	NOES	<u>0</u>

Board Meeting of January 7, 2004

ITEM NO. 6

AUTHORIZATION FOR ADDITIONAL REPAIRS TO WASTEWATER PUMPS

WHEREAS: On October 1, 2003, the Board of the Buffalo Sewer Authority authorized the General Manager to utilize the services of PRO Services for disassembly, inspection, and repair of pump No. 1 in the amount of \$21,400.00, plus a contingency of 10% (\$2,140.00), for a total cost not to exceed \$23,540.00; and

WHEREAS: Upon disassembly and inspection of this pump, PRO Services determined that there was more extensive damage to the impeller than originally thought; and

WHEREAS: PRO Services has submitted a revised quote in the total amount of \$36,680.00 for additional repairs and parts needed for the complete overhaul of pump No. 1, an increase of \$13,140.00 to their original quote; and

WHEREAS: The Superintendent of Mechanical Maintenance and the Principal Chief Stationary Engineer observed the extent of damage to this pump and recommend acceptance of this revised quote; and

WHEREAS: The Treatment Plant Superintendent and staff have reviewed the revised quote and also recommend its acceptance.

NOW THEREFORE
BE IT RESOLVED:

That the Board of the Buffalo Sewer Authority hereby authorizes the General Manager to accept the revised quote and utilize the services of PRO Services for complete overhaul of pump No. 1 for a total cost not to exceed \$36,680.00. Funds are available in account no. 00280106-443301.

MOTION TO	_____	APPROVE	_____
MADE BY	_____	MR. NAPLES	_____
2 ND BY	_____	MR. KENNEDY	_____
AYES	_____	3	NOES _____ 0

Board Meeting of January 7, 2004

ITEM NO. 7

AUTHORIZATION FOR ADDITIONAL REPAIRS - OVERHAUL OF THE MOTOR TO THE NO. 1 PUMP

WHEREAS: On October 1, 2003, the Board of the Buffalo Sewer Authority authorized the General Manager to utilize the services of Ideal Electric Company, the original manufacturer and designated sole source for replacement components, parts, and service for all motors in the raw wastewater and settled wastewater stations at the Treatment Plant, to overhaul the motor to the No. 1 pump at the settled wastewater station in the amount of \$42,100.00, plus a contingency of 10% (\$4,210.00), for a total cost not to exceed \$46,310.00; and

WHEREAS: Upon inspection of this motor, Ideal Electric Company determined that there was more extensive damage to the clutch than originally thought; and

WHEREAS: Ideal Electric Company has submitted a revised quote in the total amount of \$68,390.00 for additional repairs and parts needed for the overhaul of the motor to the No. 1 pump, an increase of \$22,080.00 to their original quote; and

WHEREAS: The Treatment Plant Superintendent, Superintendent of Mechanical Maintenance, and staff have reviewed the revised quote and recommend its acceptance.

NOW THEREFORE
BE IT RESOLVED: That the Board of the Buffalo Sewer Authority hereby authorizes the General Manager to accept the revised quote and utilize the services of Ideal Electric Company for the overhaul of the motor to the No. 1 pump for a total cost not to exceed \$68,390.00. Funds are available in account no. 00280106-443301.

MOTION TO APPROVE

MADE BY MR. NAPLES

2ND BY MR. KENNEDY

AYES 3 NOES 0

Board Meeting of January 7, 2004

ITEM NO. 8

CHANGE ORDER NO. 3 – CONTRACT NO. 84200015

CONTRACTOR:	ORIGINAL CONTRACT COST	\$697,101.00
C.O. Falter Construction Corp.	PREVIOUS CHANGE ORDER	10,622.50
403 West Bear Street	THIS CHANGE ORDER	3,730.00
Syracuse, New York 13204	FINAL CONTRACT COST	\$711,453.50

WORK: Primary Clarifier, Septage, and Digested Sludge Improvements

DESCRIPTION OF CHANGE OR EXTRA WORK:

- Item #1 Installation of additional cable to provide the required power source for the grease control valves.
- Item #2 Connected the scum control cabinet into the SCADA System.
- Item #3 Installation of wire to restore the heat trace at the scum beach near the south scum collection sump.
- Item #4 Reduce retention amount from five (5) percent to two (2) percent.

REASON FOR CHANGE OR EXTRA WORK:

- Item #1 The control valves for the grease project required 120 – volt power.
- Item #2 As requested by Buffalo Sewer Authority staff.
- Item #3 In order to restore the heat trace at the south scum collection sump, additional wiring had to be added.
- Item #4 Work for this contract is in excess of 99 percent complete; the equipment has been placed into service, and is operating as intended.

COST OF CHANGE OR EXTRA WORK:

Item #1	\$ 924.00
Item #2	\$1,452.00
Item #3	\$1,354.00
Item #4	-0-

THE TOTAL COST OF THE CHANGE OR EXTRA WORK \$3,730.00

The total INCREASE to the contract as a result of this Change Order is \$3,730.00

ITEM NO. 9

CHANGE ORDER NO. 4 CONTRACT NO. 84200009

CONTRACTOR:	ORIGINAL CONTRACT COST	\$2,381,000.00
Quackenbush Company, Inc.	PREVIOUS CHANGE ORDER	121,129.00
495 Kennedy Road	THIS CHANGE ORDER	15,083.04
Cheektowaga New York 14227	ADJUSTED CONTRACT COST	2,517,212.04

WORK: RAS/WAS Pump Station Improvements

DESCRIPTION OF CHANGE OR EXTRA WORK:

- Item #1 RAS pump discharge valve status indication.
- Item #2 VSD Interface Relays.
- Item #3 RAS pump suction valve push button station relocation.
- Item #4 Credit for not removing WAS starters from MCC.
- Item #5 Credit for telescopic valve repair.
- Item #6 Three wire control to Waste Activated Sludge Pumps

REASON FOR CHANGE OR EXTRA WORK:

- Item #1 RAS pump discharge valve status indication was not included in the original design. Status indication will provide an additional level of safety against the pumps operating against closed valves.
- Item #2 The existing DCU system's discrete output cards used solid-state logic, standard on Bailey DCU systems. The new VFD's have SSL inputs for the start/stop commands. In order for the VFD to operate successfully, a load needs to be introduced between the two systems. New VSD interface relays installed in the DCU cabinet will provide a load between the DCU and the VFD's allowing the system to operate in automatic mode.
- Item #3 The pushbutton stations were installed on the wall of the RAS wet well adjacent to the valves as designed. Subsequent to the installation of the stations, operations staff requested that the stations be moved to eliminate the potential of future damage caused by leaking valves.

NOW THEREFORE
BE IT RESOLVED:

That the Board of the Buffalo Sewer Authority hereby approves Change Order No. 4 to contract no. 84200009 as written in the above Agenda Item, increasing the contract cost in the amount of \$15,083.04, making the final contract cost \$2,517,212.04.

MOTION TO APPROVE

MADE BY MR. NAPLES

2ND BY MR. KENNEDY

AYES 3 NOES 0

Board Meeting of January 7, 2004

ITEM NO. 10

AUTHORIZATION TO PURCHASE CENTRIFUGAL PUMPS AND COMPONENTS FOR DIGESTERS 1, 2, 5, AND 6

WHEREAS: On November 12, 2003, the Board of the Buffalo Sewer Authority authorized the General Manager to enter into and execute a contract with URS Corporation for Engineering Services for the evaluation of the heating systems on digesters 1, 2, 5, and 6 at the Treatment Plant in order to enhance the operation of these four digesters during the coming winter months; and

WHEREAS: Due to the low flow of hot water in all four hot water recirculation loops, as well as the inadequate size of the existing hot water circulation pumps, URS Corporation has recommended replacing the existing hot water circulation pumps in digesters 1, 2, 5, and 6 with Bell & Gossett centrifugal pumps; and

WHEREAS: Frank P. Langley Co., Inc., the only area representative for Bell & Gossett products, has submitted a quote in the amount of \$12,484.80 as follows:

Two centrifugal pumps w/10 HP, 1750 RPM, ODP high efficiency motors at \$2,290.00 each	\$4,580.00	Total Cost
Two centrifugal pumps w/7.5 HP, 1750 RPM, ODP high efficiency motors at \$1,878.00	\$3,756.00	Total Cost
Various additional components needed for installation	<u>\$4,148.80</u>	Total Cost
	\$12,484.80	Grand Total

; and

WHEREAS: Board approval is required on purchases made over \$10,000.00; and

WHEREAS: Due to the necessity to expedite this order, the Board was polled and verbally authorized this purchase on December 10, 2003; and

WHEREAS: It is now necessary to formally ratify this authorization.

NOW THEREFORE
BE IT RESOLVED:

That the Board of the Buffalo Sewer Authority hereby formally authorizes the General Manager to purchase four Bell & Gossett centrifugal pumps and components from Frank P. Langley Co., Inc., at a total cost of \$12,484.80, plus any incurred freight charges. Funds are available in account no. 02000216-474080.

MOTION TO APPROVE

MADE BY MR. NAPLES

2ND BY MR. KENNEDY

AYES 3 NOES 0

Board Meeting of January 7, 2004

ITEM NO. 11

ADJOURNMENT OF MEETING

MOTION TO APPROVE

MADE BY MR. NAPLES

2ND BY MR. KENNEDY

AYES 3 NOES 0

Board Meeting of January 7, 2004