

AGENDA
NORTH SHORE WATER COMMISSION

400 West Bender Road
Glendale, WI 53217
Wednesday, January 11, 2012
7:30 A.M.

1. Call to order by the Chairman.
2. Approval of the minutes of the meeting held Wednesday, December 14, 2011.
3. Monthly report of plant operations.
4. Discussion of annual operating budget.
5. Approval of monthly bills.
6. Discussion and approval of the fifth payment request from J.F. Ahern for construction services pertaining to Contract 1-2011, Facilities Improvements Projects.
7. Discussion and approval of the 2012 Control System Support and Preventative Maintenance Agreement with Starnet Technologies, Inc.
8. Discussion and possible action to require individuals to sign a hold harmless agreement before participating in plant tours.
9. Manager's report for December.
10. Discussion of issues pertaining to Shorewood's request to become a member. Possible action may be taken regarding this matter.
11. Pursuant to section 19.85 (1) (e) of Wisconsin Statutes, the Commission reserves the right to convene in closed session to discuss and contemplate possible terms of an agreement with Shorewood which would provide them membership in the North Shore Water Commission. The Commission may reconvene into open session to take action regarding this matter.
12. Date and time of the next regular Commission Meeting.
13. Adjournment.

**NORTH SHORE WATER COMMISSION
MEETING OF December 14, 2011**

A meeting of the North Shore Water Commission was held at the Filtration Plant, 400 West Bender Road, Glendale, Wisconsin on Wednesday, December 14, 2011.

Meeting was called to order at 7:30 A.M.

Present: Michael West, Chairman; Richard Maslowski, Secretary; Dan Naze, Member

Also present: Eric Kiefer, Plant Manager & Recording Secretary; John Fuchs, General Counsel; Andrew Cegielski, Operator Technician; Dan Lau, CDM Representative; Michael Watkins, CDM Representative; Jonathan Lee, former Computer Administrator

Absent: Susan Robertson, Alternate for Fox Point; Dave Eastman, Alternate for Glendale; Richard Foster, Alternate for Whitefish Bay

CDM'S PEER REVIEW AND VALIDATION OF SCADA UPGRADE PROJECT

Mr. Lau and Mr. Watkins from CDM were invited to present their findings of the peer review and validation of the SCADA Upgrade Project that was completed by Mr. Lee several months ago. They reported a few minor problems with wire labels and program annotations; however, Mr. Watkins explained that they are not significant and confirmed that Mr. Lee completed the project as scoped.

CDM also identified areas of the SCADA system that require attention including server redundancy, cables running out of door seals, and placement of SCADA equipment in 480 volt panels. These issues, along with others in the full report, are outside the scope of the SCADA Upgrade Project, but were noted and will be addressed in the context of time and budget constraints.

DISBURSEMENT OF BONUS TO MR. LEE

Mr. Kiefer reviewed Mr. Lee's amended employment contract that was approved in 2010 and reported that Mr. Lee is entitled to receive \$12,000 for timely completion of the SCADA Upgraded Project now that CDM verified all of the work has been completed as scoped. After a brief discussion, it was moved by Mr. Maslowski, seconded by Mr. Naze, and unanimously carried to authorize disbursement of \$12,000 to Mr. Lee.

WAIVER OF CONFLICT OF INTEREST

Mr. Fuchs discussed the conflict waiver that was received from Godfrey & Kahn. Currently, this law firm is representing the Commission which is engaged in negotiations with the Village of Shorewood over water supply to the Village and membership in the Commission. The Village of Shorewood has recently requested legal service from Godfrey & Kahn with regards to an unrelated sewer project creating a potential conflict of interest. Mr. Fuchs advised that waiving the conflict is appropriate given the situation.

It was moved by Mr. Maslowski, seconded by Mr. Naze, and unanimously carried to authorize the Plant Manager to sign the conflict waiver provided by Godfrey & Kahn.

MINUTES

It was moved by Mr. Naze, seconded by Mr. Maslowski, and unanimously carried that the minutes for the meeting held Wednesday, November 9, 2011 be approved as drafted.

MONTHLY REPORT OF PLANT OPERATIONS

The monthly report of plant operations for November was placed on file without motion.

ANNUAL OPERATING BUDGET

The monthly budget reports were placed on file without motion.

MONTHLY BILLS

It was moved by Mr. Naze, seconded by Mr. Maslowski and unanimously carried that the following bills be approved and authorization was given to the Fiscal Agent to make such payments:

<u>Vendor</u>	<u>Amount</u>
Allied Electronics (Ethernet receptacle and cover)	42.59
Badger Meter (meter testing and calibration)	1,215.23
Batteries Plus (battery for laptop)	75.95
Buelow Vetter (legal service)	106.00
CDW-G (hard drive for server)	195.00
Cintas (uniform and custodial supplies)	284.87
Cintas Fire Protection (fire extinguisher inspection and service)	132.00
Columbia Analytical Services (chromium-6 analysis)	400.00

Diversified Benefit Services (section 125 plan administration)	90.00
Eric Kiefer (reimb for NSWC hosted breakfast and lunch)	54.42
Fuchs & Boyle (legal service)	195.00
General Chemical (treatment chemical: alum)	5,411.52
Grainger (anchors, bit, pipe heater, electrical supplies, plumbing supplies respirator, screws, flag)	427.31
Great America (lease payment for copier)	87.00
Grunau (labor related to swapping mag meters)	1,370.00
Hach (fluoride standards, and instrument lamp)	352.10
Hawkins (treatment chemicals: ammonia and polymer)	1,103.70
Idexx (lab supplies: culture media and collection vessels)	1,695.67
KA Steel (treatment chemical: sodium hypochlorite)	2,529.23
McMaster-Carr (plastic bins, bags, fiberglass sheets, float switch, and electrical supplies)	745.30
MMSD (sludge analysis)	671.00
Northern Lake Service (alkalinity, total organic carbon, and disinfection byproducts testing)	246.00
Office Copying Equipment (maintenance payment for copier)	22.78
Rotroff Jeanson (monthly accounting services)	875.00
Superior Chemical (custodial supplies: wipes)	45.75
Time Warner Cable (internet service and Klode Phone)	797.18
UPS Store (shipping)	231.15
US Cellular (cell phone charges)	35.22
USA Bluebook (corporation stops and injector quills)	335.88
Verizon Wireless (mobile broadband)	39.99
Village Ace Hardware (plumbing supplies)	91.63
Village of Whitefish Bay (Bender phone)	962.83
Waste Management (waste disposal service)	429.47
We Energies (electric at all locations)	16,942.90
We Energies (gas at all locations)	1,410.24
Wisconsin DATCP (renewal of lab certification)	680.00
Wisconsin State Lab of Hygiene (water microbiology proficiency program)	513.00
Wisconsin State Lab of Hygiene (fluoride analysis)	20.00
SUB-TOTAL	\$40,862.91
<u>Maintenance Reserve</u>	

CDM (Peer Review and Validation of SCADA Upgrade Project)	5,104.31
SUB-TOTAL	\$5,104.31
TOTAL	\$45,967.22

PAYMENT REQUEST FROM JF AHERN

Mr. Kiefer presented the fourth payment request from J.F. Ahern and confirmed the payment request was appropriate based on the work completed to date. It was moved by Mr. Naze, seconded by Mr. Maslowski, and unanimously carried that the Commission approve payment to J.F. Ahern in the amount of \$20,927.34. Funding to come from each community based on current capital allocation percentages.

CHANGE ORDER

Mr. Kiefer described the progress of the capital improvement project. Some equipment has an unusually long lead time and will not arrive until February. Because the Commission does not need the project to be completed by December 31, 2011, he recommended extending the completion date to March 31, 2012 via change order to accommodate the updated construction schedule.

After brief discussion, it was moved by Mr. Naze, seconded by Mr. Maslowski, and unanimously carried to authorize the Plant Manager to sign the change order allowing the completion date to be changed to March 31, 2012.

RESOLUTION TO ESTABLISH NEW CHECKING ACCOUNT

Mr. Kiefer discussed the nature of the scrapped SCADA equipment that the Commission intends to sell. The market for used Bristol equipment is very small. In order to attract the largest number of buyers to place a bid on the equipment, Mr. Kiefer is suggesting that the Commission use eBay. According to Mr. Kiefer, the Glendale Police Department currently uses eBay and PayPal to sell property. Mr. Kiefer believes PayPal used in conjunction with a separate checking account would be the best way to make financial transactions on eBay.

Under the current system, the Commission does not have a mechanism that would reasonably allow for PayPal transactions. Mr. Kiefer believes that the proposed resolution would provide the Commission with said mechanism that has the appropriate financial controls to safeguard the Commission's other bank accounts.

After brief discussion, it was moved by Mr. Naze, seconded by Mr. Maslowski, and unanimously carried to adopt Resolution 2011-04 as drafted.

SALE OF SCRAPPED SCADA EQUIPMENT

Mr. Kiefer informed the Commission that all three members have authorized the Commission to sell the scrapped SCADA equipment. Now that the Commission has adopted Resolution 2011-04, Mr. Kiefer requested authorization to sell the equipment on eBay.

It was moved by Mr. Naze, seconded by Mr. Maslowski, and unanimously carried to authorize the Plant Manager to sell scrapped SCADA equipment using eBay and PayPal.

INTERNSHIP

Mr. Kiefer discussed the request of Robert Hennes to work as an unpaid intern for 216 hours. He is a student of Moraine Park Technical College and is required to complete an internship at a water or waste water treatment facility to graduate. Although there is another intern working at the Commission presently, Mr. Hennes would be working different shifts and would not require much effort to manage.

It was moved by Mr. Naze, seconded by Mr. Maslowski, and unanimously carried that the Commission accept Robert Hennes's request to work as an unpaid intern for a period not to exceed 216 hours.

VERIZON WIRELESS MOBILE BROADBAND ACCOUNT

The Commission entered into an agreement with Verizon Wireless several months ago for a mobile broadband account. This service was intended to be used with a cellular modem that could be installed in remote facilities. After setting up the device, plant staff determined that it is necessary to provision a static IP address in order to establish a VPN tunnel with the plant's secure network. That setup would cost the Commission \$500; however, the North Shore Fire Department would not have to pay the setup fee because of its agreement with Verizon Wireless. Mr. Kiefer indicated a willingness by the North Shore Fire Department to take ownership of the mobile broadband account and help the Commission in its efforts without incurring any fees for provisioning the static IP address. On an ongoing basis, the Commission would reimburse the Fire Department for the monthly fees associated with the Verizon Wireless account.

It was moved by Mr. Naze, seconded by Mr. Maslowski, and unanimously carried to authorize the Plant Manager to assign the Verizon Wireless mobile broadband account to the North Shore Fire Department.

UTILITY AND PLANT METERING

Mr. Kiefer reported that the City of Glendale has been investigating meter vendors

as it is preparing to make some long term decisions about its meter replacement program. The North Shore Water Commission and other members were invited to participate in discussions about various metering schemes. It has been suggested that the Commission may be able to help the group by taking on an active role in utility metering. Mr. Kiefer agrees there may be an arrangement that is mutually beneficial for all of the members.

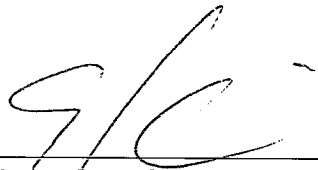
It was the sense of the Commission that Mr. Kiefer should proceed with discussions.

SHOREWOOD

There was no discussion on this item and there was no adjournment into closed session.

PLANT MANAGER'S MONTHLY REPORT

1. The Wisconsin Department of Agriculture, Trade, and Consumer Protection (WDATCP) conducted its biennial inspection of the laboratory. No significant deviations were noted.
2. After a month of testing, David Jones, an Operator Technician, was selected to be the next Technician Mechanic. The Operator Technician position will now be posted.
3. Badger Meter tested the mag meters that were swapped in November. One of the 8 inch meters was found to have a problem with precision. According to Badger Meter, the meter can still be used but it no longer meets original specifications.
4. The mag meter installed at Green Tree stopped working a week after installation. After contacting a technical support representative from Badger Meter, settings were changed to get it working again; however, the cause of the malfunction is still unknown.
5. The water line connected to the pressure gauge at the Fox Point station was repaired.
6. A fan in high service #4 VFD was replaced before it failed.
7. An electric space heater was taken out of service in one of the rooms at the Klode Park pumping station. Plant staff connected a pipe heater and insulated the water line running through that area.
8. The fountain was drained and cleaned for the year. The outdoor hydrants were also drained.
9. Chromium-6 was tested this quarter and was found to be 0.159 ppb in the lake as well as at the tap.



Eric Kiefer, Plant Manager & Recording Secretary

NORTH SHORE WATER COMMISSION
 Monthly Summary of Operations
 Month of December, 2011

	WFB.	GLE.	FPT.	MEQ	Totals
M.G. Metered at Plant	30.735	40.843	26.228	0.000	97.806
M.G. Reverse Flow	0.000	0.000	0.000	0.000	0.000
M.G. Metered in System	-0.891	6.297	-8.995	3.589	0.000
M.G. Charged to Members	29.844	47.140	17.233	0.000	94.217
M.G. Charged to All Users	29.844	47.140	17.233	3.589	97.806
M.G. Same Month Last Year (Members)	32.505	48.921	16.610	0.000	98.036
M.G. Same Month Last Year (All)	32.505	48.921	16.610	3.803	101.839
Accumulated M.G.	396.841	689.505	225.216	51.751	1363.313
Accumulated M.G. Last Year	435.278	651.058	216.267	51.653	1354.256
Accumulated % of Total Pumped	29.11%	50.58%	16.52%	3.80%	100.00%
Monthly % of Total Pumped	30.51%	48.20%	17.62%	3.67%	100.00%
Accumulated % Pumped of Members	30.26%	52.57%	17.17%		100.00%
Monthly % Pumped of Members	31.68%	50.03%	18.29%		100.00%
Average Daily Pumpage in M.G.	0.963	1.521	0.556	0.116	3.155

Maximum Day Pumpage	3.512 M.G.					
Date	13 th					
Maximum Flow Rate	5.431 M.G.D.					
Date	27 th					
Hour	1100					
Average Station Pressure	81.6 P.S.I.					
Avg. Total Cl Residual (Tap)	2.45 mg/L					
Raw Water Temperature (F)	Avg.	41	Max.	43	Min.	39
Tap Hardness (mg/L)	Avg.	137	Max.	141	Min.	134
Raw Water MPN Index	2.7					

Electrical Calculations:

This Month (Billed)

Bender On-Peak Consumption	55,017 @ \$0.06985 / kWh	\$3,843	22.7%
Bender Off-Peak Consumption	101,970 @ \$0.04974 / kWh	\$5,072	30.0%
Klode On-Peak Consumption	14,744 @ \$0.07686 / kWh	\$1,133	6.7%
Klode Off-Peak Consumption	30,846 @ \$0.05600 / kWh	\$1,727	10.2%
Other & Energy Credits		\$5,155	30.4%
Electrical Charge / kWh	\$0.08358		
Total Consumption / M.G.	2,071 kWh / MG		
\$ / M.G.	\$173.11		

Chemicals Applied	mg/L	\$/MG
Ammonium Hydroxide	0.554	\$4.86
Sodium Hypochlorite	2.866	\$12.43
Fluoride	1.244	\$15.20
Alum	5.129	\$10.31
Carbon (PAC)	0.000	\$0.00
Potassium Permanganate	0.000	\$0.00
Phosphates	2.320	\$11.11
Cationic Polymer	0.611	\$4.33
Total Chemical Cost		\$58.23

Water Metering	M.G.	% Diff.
Corrected High Service (Filters)	98.983	1.2
Total High Service	112.503	15.0
Communities	97.806	0.0

NORTH SHORE WATER COMMISSION
 Operating Fund Balance Sheet
 November 30, 2011 and 2010

	<u>Current Year</u>	<u>Prior Year</u>
ASSETS		
Cash		
Petty Cash	\$ 50.00	50.00
Checking	193,879.10	194,397.94
Temporary Investments	25,113.28	25,258.62
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Total Cash	219,042.38	219,706.56
Accounts Receivable	8,900.06	8,481.79
Prepaid Expenses	8,737.94	38,235.04
Due to/from Storm Sewer Fund	189.94	149.84
Due to/from Maint Reserve Fund	115,422.65	127,513.22
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Total Assets	\$ 352,292.97	394,086.45
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LIABILITIES AND FUND BALANCE		
Liabilities		
Accounts Payable	\$ 45,310.67	39,204.87
Payable to Municipalities	1,375.91	1,477.71
Wages Payable	13,296.68	0.00
Accrued Payroll Taxes	1,017.20	0.00
Payroll Liabilities	0.00	5,304.66
Wisconsin State Payable	779.67	0.00
Flexible Spending Accounts	9,756.02	6,186.33
Deferred Compensation Payable	0.00	250.00
Deferred Revenue - WB	7,679.00	0.00
Deferred Revenue	31,455.35	38,895.93
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Total Liabilities	110,670.50	91,319.50
Fund Balances:		
Operating Fund: Beginning of Year		
Whitefish Bay - Oper Fund	16,121.69	16,285.05
Fox Point - Oper Fund	8,502.99	8,584.16
Glendale - Oper Fund	22,426.89	22,671.24
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Total Operating Fund	47,051.57	47,540.45
Emergency Fund: Beginning of Year		
Whitefish Bay Emergency	8,127.50	8,127.50
Fox Point Emergency	5,372.50	5,372.50
Glendale Emergency	11,500.00	11,500.00
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Total Emergency Fund	25,000.00	25,000.00
Current Year Revenues Over (Under) Expenses	169,570.90	230,226.50
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Total Fund Balances	241,622.47	302,766.95
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Total Liabilities & Fund Balance	\$ 352,292.97	394,086.45
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NORTH SHORE WATER COMMISSION
Maintenance Reserve Capital Projects Fund Balance Sheet
November 30, 2011 and 2010

	<u>Current Year</u>	<u>Prior Year</u>
ASSETS		
Savings	\$ 566,626.01	565,816.86
Receivable for Asset Additions	10,698.12	10,019.24
Due to/from Operations Fund	<u>(115,422.65)</u>	<u>(127,513.22)</u>
Total Assets	\$ 461,901.48	448,322.88
LIABILITIES AND FUND BALANCE		
Liabilities		
Accounts Payable Cap Projects	\$ 20,927.34	25,608.15
Total Liabilities	20,927.34	25,608.15
Fund Balances:		
Reserve Fund: Beginning of Year		
Whitefish Bay Maint Reserve	190,452.00	220,013.10
Fox Point Maint Reserve	56,259.11	34,666.81
Glendale Maint Reserve	<u>211,727.00</u>	<u>247,656.98</u>
Total Reserve Fund	458,438.11	502,336.89
Current Year Revenues Over (Under) Expenses	<u>(17,463.97)</u>	<u>(79,622.16)</u>
Total Fund Balances	440,974.14	422,714.73
Total Liabilities & Fund Balance	\$ 461,901.48	448,322.88

NORTH SHORE WATER COMMISSION
Income Statement (2 Year Comp.)
For the Eleven Months Ending November 30, 2011

Acct.	Revenues	Current Month Actual	Current Month Last year	Year to Date Actual	Year to Date Last year	Variance
43310	Whitefish Bay-Operations	\$ 39,134.35	\$ 38,895.93	\$ 430,477.85	\$ 427,855.23	2,622.62
43320	Fox Point-Operations	19,438.37	19,493.89	213,822.07	214,432.79	(610.72)
43330	Glendale-Operations	58,525.87	56,415.18	643,784.57	620,566.98	23,217.59
43411	Transf to Deferred Rev - WB	0.00	0.00	0.00	0.00	0.00
43412	Transf to Deferred Rev - FP	0.00	0.00	0.00	0.00	0.00
43413	Transf to Deferred Rev - Gle	0.00	0.00	0.00	0.00	0.00
45100	Interest Income	0.00	0.00	0.00	0.00	0.00
45200	Insurance Policy Dividend	0.00	0.00	635.00	1,626.00	(991.00)
45300	Wholesale Water Sales	3,199.90	3,376.00	43,509.41	41,966.65	1,542.76
45400	Mequon Facilities Charges	0.00	0.00	500.00	500.00	0.00
45900	Misc Income	0.00	462.00	310.00	1,362.00	(1,052.00)
45910	Lab Services Income	900.00	930.00	12,258.04	10,965.00	1,293.04
49500	Transfer From Maint Reserve	0.00	0.00	0.00	0.00	0.00
49600	Transf from Storm Water Tes	0.00	0.00	0.00	0.00	0.00
49900	Uncategorized Income	0.00	0.00	0.00	0.00	0.00
	Total Revenues	121,198.49	119,573.00	1,345,296.94	1,319,274.65	26,022.29

Acct.	Wholesale Water Expenses					
53300	Wholesale Water Expense	0.00	0.00	0.00	0.00	0.00
	Total Wholesale Water Sales	0.00	0.00	0.00	0.00	0.00

Acct.	Source of Supply Expenses					
60100	Labor & Super. of Intake Cri	0.00	0.00	0.00	0.00	0.00
60200	Intake Supplies	0.00	0.00	0.00	0.00	0.00
60500	Maint. of Crib & Wet Well	0.00	0.00	3,705.00	5,230.00	(1,525.00)
60700	Standby Service - Milwaukee	0.00	0.00	2,700.00	2,700.00	0.00
60800	Great Lake Withdrawall Fee	0.00	0.00	7,112.00	0.00	7,112.00
	Total Source of Supply Expe	0.00	0.00	13,517.00	7,930.00	5,587.00

Acct.	Pumping Expenses					
62100	Labor & Super. Klode	11,138.62	8,928.45	110,264.62	111,673.79	(1,409.17)
62200	Electricity	16,942.90	15,736.62	210,658.16	184,954.02	25,704.14
62300	Normal Supplies, Klode	302.84	405.10	3,859.08	5,458.13	(1,599.05)
62400	Unusual Maint., Klode Pump	0.00	0.00	20,000.70	57.33	19,943.37
62510	Unusual Maint., Klode Suppl	0.00	0.00	377.56	831.76	(454.20)
62520	Unusual Maint., Klode Labor	0.00	0.00	754.33	1,196.33	(442.00)
62600	Electricity Demand	0.00	0.00	0.00	0.00	0.00
62700	Unusual Maint., Bender Pum	0.00	0.00	0.00	3,857.52	(3,857.52)
62750	Care of Grounds	0.00	16.50	1,857.36	2,521.76	(664.40)
	Total Pumping Expenses	28,384.36	25,086.67	347,771.81	310,550.64	37,221.17

Acct.	Purification Expenses					
63100	Labor & Super., Bender	13,932.71	18,526.45	209,309.59	210,717.62	(1,408.03)
63200	Normal Supplies, Bender	2,110.90	2,428.46	33,513.02	30,037.29	3,475.73
63300	Heating at Bender	1,399.76	1,797.69	14,439.15	15,714.95	(1,275.80)
63400	Disposal of Sludge	671.00	0.00	3,738.28	4,120.52	(382.24)
63510	Unusual Maint., Bender Supp	1,548.60	2,262.36	8,903.34	19,793.55	(10,890.21)
63520	Unusual Maint., Bender Labo	3,063.38	691.74	11,802.80	20,257.35	(8,454.55)
63600	Laboratory	1,644.78	3,430.50	23,913.27	23,462.06	451.21
63700	Instrumentation	0.00	644.16	23,897.81	21,660.72	2,237.09
63750	Care of Grounds	0.00	16.50	1,857.36	2,521.74	(664.38)
63800	Treatment Chemicals	9,044.45	4,109.43	85,797.60	70,314.04	15,483.56
	Total Purification Expenses	33,415.58	33,907.29	417,172.22	418,599.84	(1,427.62)

Acct. Transmission Main Expenses

NORTH SHORE WATER COMMISSION
Income Statement (2 Year Comp.)
For the Eleven Months Ending November 30, 2011

Acct.	Revenues	Current Month Actual	Current Month Last year	Year to Date Actual	Year to Date Last year	Variance
64100	Labor & Super., Trans. Main	19.29	0.00	1,553.07	0.00	1,553.07
64200	Trans. Mains- Supplies	0.00	0.00	0.00	0.00	0.00
64300	Meter Reading Supplies	0.00	0.00	0.00	0.00	0.00
64500	Maint. of Reservoir & Clear	0.00	0.00	4,370.00	3,474.10	895.90
64600	Maint of Trans Mains	0.00	0.00	0.00	0.00	0.00
64700	Maint. of Meters	625.23	634.03	2,191.76	5,534.65	(3,342.89)
	Total Trans. Mains Expenses	<u>644.52</u>	<u>634.03</u>	<u>8,114.83</u>	<u>9,008.75</u>	<u>(893.92)</u>
Acct.	Administration & General Expenses					
92000	Office & Admin. Salaries	6,865.80	6,408.08	79,841.30	76,776.77	3,064.53
92100	Office Expenses	1,637.48	583.86	12,784.57	9,184.70	3,599.87
92200	Engineering Services	0.00	0.00	14,237.77	16,608.89	(2,371.12)
92300	Professional Services	2,355.00	5,501.25	44,102.88	36,149.01	7,953.87
92400	Prop & P.L. Insurance	0.00	3,113.59	73,911.00	12,846.79	61,064.21
92500	Injuries & Damages	0.00	0.00	0.00	0.00	0.00
92600	WI Retirement Fund	1,661.29	3,680.90	30,150.65	45,598.37	(15,447.72)
92620	Other Employee Benefits	6,760.96	9,861.65	90,775.16	106,568.70	(15,793.54)
92700	Bond, Fiscal Agent	0.00	0.00	0.00	0.00	0.00
92800	NSWC Expense	0.00	0.00	1,060.43	1,035.00	25.43
92900	Employee Training Expense	0.00	0.00	6,127.60	3,329.88	2,797.72
93000	Misc. General Expense	132.60	91.67	1,733.24	1,382.32	350.92
93100	Recording Secretary	0.00	0.00	0.00	540.00	(540.00)
93300	Transportation Expense	63.44	67.07	986.50	1,429.07	(442.57)
93500	Maint-Office Equipment	0.00	0.00	0.00	0.00	0.00
93600	General Outdoor Expense	0.00	0.00	2,569.18	3,208.75	(639.57)
93700	Maint. of 516 W Bender	0.00	0.00	0.00	0.00	0.00
93800	Loss on Investments	0.00	0.00	0.00	0.00	0.00
94000	FICA Taxes	2,516.88	2,173.05	30,869.90	28,300.67	2,569.23
94100	Relocation Expense	0.00	0.00	0.00	0.00	0.00
94500	Contingency Expense	0.00	0.00	0.00	0.00	0.00
	Total Adm. & General Expen	<u>21,993.45</u>	<u>31,481.12</u>	<u>389,150.18</u>	<u>342,958.92</u>	<u>46,191.26</u>
	Total Expenses	<u>84,437.91</u>	<u>91,109.11</u>	<u>1,175,726.04</u>	<u>1,089,048.15</u>	<u>86,677.89</u>
	Net Income	<u>\$ 36,760.58</u>	<u>\$ 28,463.89</u>	<u>\$ 169,570.90</u>	<u>\$ 230,226.50</u>	<u>(60,655.60)</u>

NORTH SHORE WATER COMMISSION
Income Statement
For the Eleven Months Ending November 30, 2011

Acct.	Revenues	Current Month Actual	Current Month Budget	Year to Date Actual	Year to Date Budget	Variance
43310	Whitefish Bay-Operations	\$ 39,134.35	\$ 39,134.35	\$ 430,477.85	\$ 430,477.85	0.00
43320	Fox Point-Operations	19,438.37	19,438.37	213,822.07	213,822.07	0.00
43330	Glendale-Operations	58,525.87	58,525.87	643,784.57	643,784.57	0.00
43411	Transf to Deferred Rev - WB	0.00	0.00	0.00	0.00	0.00
43412	Transf to Deferred Rev - FP	0.00	0.00	0.00	0.00	0.00
43413	Transf to Deferred Rev - Gle	0.00	0.00	0.00	0.00	0.00
45100	Interest Income	0.00	0.00	0.00	0.00	0.00
45200	Insurance Policy Dividend	0.00	0.00	635.00	0.00	635.00
45300	Wholesale Water Sales	3,199.90	0.00	43,509.41	0.00	43,509.41
45400	Mequon Facilities Charges	0.00	0.00	500.00	0.00	500.00
45900	Misc Income	0.00	0.00	310.00	0.00	310.00
45910	Lab Services Income	900.00	0.00	12,258.04	0.00	12,258.04
49500	Transfer From Maint Reserve	0.00	0.00	0.00	0.00	0.00
49600	Transf from Storm Water Tes	0.00	0.00	0.00	0.00	0.00
49900	Uncategorized Income	0.00	0.00	0.00	0.00	0.00
	Total Revenues	121,198.49	117,098.59	1,345,296.94	1,288,084.49	57,212.45
Acct.	Wholesale Water Expenses					
53300	Wholesale Water Expense	0.00	0.00	0.00	0.00	0.00
	Total Wholesale Water Sales	0.00	0.00	0.00	0.00	0.00
Acct.	Source of Supply Expenses					
60100	Labor & Super. of Intake Cri	0.00	0.00	0.00	0.00	0.00
60200	Intake Supplies	0.00	0.00	0.00	0.00	0.00
60500	Maint. of Crib & Wet Well	0.00	666.67	3,705.00	7,333.37	(3,628.37)
60700	Standby Service - Milwaukee	0.00	291.66	2,700.00	3,208.34	(508.34)
60800	Great Lake Withdrawall Fee	0.00	802.09	7,112.00	8,822.91	(1,710.91)
	Total Source of Supply Expe	0.00	1,760.42	13,517.00	19,364.62	(5,847.62)
Acct.	Pumping Expenses					
62100	Labor & Super. Klode	11,138.62	10,227.42	110,264.62	112,501.58	(2,236.96)
62200	Electricity	16,942.90	19,750.00	210,658.16	217,250.00	(6,591.84)
62300	Normal Supplies, Klode	302.84	552.50	3,859.08	6,077.50	(2,218.42)
62400	Unusual Maint., Klode Pump	0.00	1,666.66	20,000.70	18,333.34	1,667.36
62510	Unusual Maint., Klode Suppl	0.00	166.66	377.56	1,833.34	(1,455.78)
62520	Unusual Maint., Klode Labor	0.00	275.00	754.33	3,025.00	(2,270.67)
62600	Electricity Demand	0.00	0.00	0.00	0.00	0.00
62700	Unusual Maint., Bender Pum	0.00	316.66	0.00	3,483.34	(3,483.34)
62750	Care of Grounds	0.00	291.66	1,857.36	3,208.34	(1,350.98)
	Total Pumping Expenses	28,384.36	33,246.56	347,771.81	365,712.44	(17,940.63)
Acct.	Purification Expenses					
63100	Labor & Super., Bender	13,932.71	20,292.09	209,309.59	223,212.91	(13,903.32)
63200	Normal Supplies, Bender	2,110.90	3,083.34	33,513.02	33,916.66	(403.64)
63300	Heating at Bender	1,399.76	2,000.00	14,439.15	22,000.00	(7,560.85)
63400	Disposal of Sludge	671.00	583.34	3,738.28	6,416.66	(2,678.38)
63510	Unusual Maint., Bender Supp	1,548.60	1,333.34	8,903.34	14,666.66	(5,763.32)
63520	Unusual Maint., Bender Labo	3,063.38	1,583.34	11,802.80	17,416.66	(5,613.86)
63600	Laboratory	1,644.78	2,200.41	23,913.27	24,204.59	(291.32)
63700	Instrumentation	0.00	2,041.66	23,897.81	22,458.34	1,439.47
63750	Care of Grounds	0.00	291.66	1,857.36	3,208.34	(1,350.98)
63800	Treatment Chemicals	9,044.45	8,792.00	85,797.60	96,712.00	(10,914.40)
	Total Purification Expenses	33,415.58	42,201.18	417,172.22	464,212.82	(47,040.60)
Acct.	Transmission Main Expenses					

NORTH SHORE WATER COMMISSION
Income Statement
For the Eleven Months Ending November 30, 2011

Acct.	Revenues	Current Month Actual	Current Month Budget	Year to Date Actual	Year to Date Budget	Variance
64100	Labor & Super., Trans. Main	19.29	108.34	1,553.07	1,191.66	361.41
64200	Trans. Mains- Supplies	0.00	0.00	0.00	0.00	0.00
64300	Meter Reading Supplies	0.00	0.00	0.00	0.00	0.00
64500	Maint. of Reservoir & Clear	0.00	500.00	4,370.00	5,500.00	(1,130.00)
64600	Maint of Trans Mains	0.00	0.00	0.00	0.00	0.00
64700	Maint. of Meters	625.23	208.34	2,191.76	2,291.66	(99.90)
		<hr/>	<hr/>	<hr/>	<hr/>	
	Total Trans. Mains Expenses	644.52	816.68	8,114.83	8,983.32	(868.49)
Acct.	Administration & General Expenses					
92000	Office & Admin. Salaries	6,865.80	7,083.34	79,841.30	77,916.66	1,924.64
92100	Office Expenses	1,637.48	1,180.84	12,784.57	12,989.16	(204.59)
92200	Engineering Services	0.00	1,666.66	14,237.77	18,333.34	(4,095.57)
92300	Professional Services	2,355.00	3,605.41	44,102.88	39,659.59	4,443.29
92400	Prop & P.L. Insurance	0.00	5,000.00	73,911.00	55,000.00	18,911.00
92500	Injuries & Damages	0.00	0.00	0.00	0.00	0.00
92600	WI Retirement Fund	1,661.29	4,416.66	30,150.65	48,583.34	(18,432.69)
92620	Other Employee Benefits	6,760.96	10,833.34	90,775.16	119,166.66	(28,391.50)
92700	Bond, Fiscal Agent	0.00	0.00	0.00	0.00	0.00
92800	NSWC Expense	0.00	250.00	1,060.43	2,750.00	(1,689.57)
92900	Employee Training Expense	0.00	720.84	6,127.60	7,929.16	(1,801.56)
93000	Misc. General Expense	132.60	166.66	1,733.24	1,833.34	(100.10)
93100	Recording Secretary	0.00	0.00	0.00	0.00	0.00
93300	Transportation Expense	63.44	166.66	986.50	1,833.34	(846.84)
93500	Maint-Office Equipment	0.00	0.00	0.00	0.00	0.00
93600	General Outdoor Expense	0.00	483.34	2,569.18	5,316.66	(2,747.48)
93700	Maint. of 516 W Bender	0.00	0.00	0.00	0.00	0.00
93800	Loss on Investments	0.00	0.00	0.00	0.00	0.00
94000	FICA Taxes	2,516.88	3,083.34	30,869.90	33,916.66	(3,046.76)
94100	Relocation Expense	0.00	0.00	0.00	0.00	0.00
94500	Contingency Expense	0.00	416.66	0.00	4,583.34	(4,583.34)
		<hr/>	<hr/>	<hr/>	<hr/>	
	Total Adm. & General Expen	21,993.45	39,073.75	389,150.18	429,811.25	(40,661.07)
	Total Expenses	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
		84,437.91	117,098.59	1,175,726.04	1,288,084.45	(112,358.41)
	Net Income	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>
		\$ 36,760.58	\$ 0.00	\$ 169,570.90	\$ 0.04	169,570.86

NORTH SHORE WATER COMMISSION
Maintenance Reserve Income Statement
For the Eleven Months Ending November 30, 2011

	Current Month This Year	Current Month Last Year	Year to Date This Year	Year to Date Last Year
Revenues				
Whitefish Bay-Maint Reserve	\$ 17,001.84	\$ 8,039.97	\$ 36,834.46	\$ 10,068.61
Fox Point-Maint Reserve	10,698.12	5,255.77	23,177.45	6,070.83
Glendale-Maint Reserve	20,273.65	9,587.16	43,922.87	11,326.69
Interest	65.20	102.76	729.94	829.93
Wholesale Water Sales	2,614.25	2,728.08	35,455.35	34,077.66
	<hr/>	<hr/>	<hr/>	<hr/>
Total Revenues	50,653.06	25,713.74	140,120.07	62,373.72
	<hr/>	<hr/>	<hr/>	<hr/>
Expenses				
Capital Outlays Maint Reserve	26,031.65	11,886.15	157,584.04	141,995.88
	<hr/>	<hr/>	<hr/>	<hr/>
Total Expenses	26,031.65	11,886.15	157,584.04	141,995.88
	<hr/>	<hr/>	<hr/>	<hr/>
Net Income	\$ 24,621.41	\$ 13,827.59	\$ (17,463.97)	\$ (79,622.16)
	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>

BILLS TO BE APPROVED AT COMMISSION MEETING OF

1/11/12

Batteries Plus (12V lead acid battery)	159.95	
Brooks Rand Labs (total chromium analysis)	114.00	
Cintas (employee uniforms and custodial supplies)	295.37	
City of Milwaukee (standby service)	1,350.00	
Concentra (respirator review and fit testing)	482.50	
Diversified Benefit Services (section 125 plan admin)	91.32	
Eric Kiefer (reimb paper binding expense and postage)	48.36	
Fuchs & Boyle (legal services)	351.00	
Glendale Water Utility (Bender storm and environmental charges)	429.30	
Grainger (haylard, fuses, extension cord)	80.55	
Great America (lease payment for copier)	87.00	
Hach (phosphate test reagent)	151.82	
Hawkins (treatment chemicals: aqua ammonia and polymer)	728.10	
Idexx (Colilert for bacteriological analyses)	1,330.68	
JF Ahern (labor and materials to fix various plumbing issues)	2,399.81	
MMSD (4th quarter sludge disposal)	1,463.07	
Modular Piping Supply (plumbing materials)	199.11	
Northern Lake Service (water analysis)	53.00	
Office Copying Equipment (maintenance payment for copier and toner)	24.38	
Pristine Water Solutions (treatment chemical: phosphate)	2,196.30	
Rotroff Jeanson (monthly accounting service)	875.00	
Time Warner Cable (internet service)	764.80	
Time Warner Cable (Klode phone)	32.65	
UPS Store (shipping)	61.45	
US Cellular (cell phone charges)	35.73	
USA Bluebook (reagent for fluoride analysis)	93.45	
Village Ace Hardware (masking tape and painting supplies)	11.68	
Village of Fox Point (gasoline for truck)	63.44	
Waste Management (waste disposal)	426.70	
Water Research Foundation (annual membership renewal)	3,020.85	
We Energies (electric-all locations)	16,942.28	
We Energies (gas-all locations)	1,828.83	
Wilkens-Anderson (hardness and chlorine reagent, silicon oil, conductivity std, pipet tips, and age	522.70	
Wisconsin State Lab of Hygiene (fluoride analysis)	20.00	
	SUB-TOTAL	\$36,735.18
<u>Maintenance Reserve</u>		
CDM (peer review and validation of SCADA Upgrade project)		12,332.48
	SUB-TOTAL	\$12,332.48
	TOTAL	\$49,067.66

Credit: R&R Insurance (audit adjustment of 2010-2011 policy) (\$970.00)
 Credit: Verizon Wireless (cancel account--transfer to NSFD) (\$13.33)

12/31/2011 Checking account balance - Main	\$170,134.51
12/31/2011 Checking account balance - Secondary	\$500.00
12/31/2011 Local Government Investment Pool balance	\$566,693.15

North Shore Water Commission

Payment to J.F. Ahern

Contract 1-2011

J.F. Ahern Project Number 211936

January 11, 2012

An invoice from J.F. Ahern Company for construction services pertaining to Contract 1-2011 has been reviewed and approved by the North Shore Water Commission. This invoice pertains to work completed.

The payment request is for \$39,462.88. The proportionate costs for the respective municipalities are as follows:

Whitefish Bay	35.44%	\$13,985.64
Fox Point	22.30%	\$8,800.22
Glendale	42.26%	\$16,677.02
		\$39,462.88

Please remember that the three municipalities must deposit these above amounts into the North Shore Water Commission Operating Account before payment can be made to J.F. Ahern. Your prompt attention to this matter is appreciated.

Respectfully,

Eric Kiefer

APPLICATION FOR PAYMENT

OWNER North Shore Water Commission PROJECT Glendale WTP
CONTRACTOR J. F. Ahern Co. CONTRACT 3561.005/1-2011
FOR PERIOD ENDING 12/31/11 PAYMENT APPLICATION DATE 12/28/11
PAYMENT APPLICATION NO. 5

TOTAL AMOUNT REQUESTED TO DATE	<u>\$138,509.70</u>
LESS RETAINAGE <u>5 TO 50 COMPLETE</u> %	<u>\$0.00</u>
NET AMOUNT DUE	<u>\$138,509.70</u>
AMOUNT OF PREVIOUS PAYMENTS	<u>\$99,046.82</u>
AMOUNT DUE THIS APPLICATION	<u>\$39,462.88</u>

CONTRACTOR's Certification:

The undersigned CONTRACTOR certifies that: (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with Work covered by prior Applications for Payment numbered 1 through 4 inclusive; (2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all liens, claims, security interests and encumbrances (except such as are covered by Bond acceptable to OWNER indemnifying OWNER against any such lien, claim, security interest or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and not *defective* as that term is defined in the Contract Documents.

Dated December 28, 2011

J. F. Ahern Co.
CONTRACTOR

By 
(Authorized Signature)

Required lien waivers attached.

Payment of the above AMOUNT DUE THIS APPLICATION is recommended.

Dated _____, _____

STRAND ASSOCIATES, INC.®

By _____
(Authorized Signature)

APPLICATION AND CERTIFICATE FOR PAYMENT

JFA Detail

Project: Glendale WTP
Glendale WI

J F AHERN CO Job Number: 211936

CONTINUATION SHEET

A	B	C	D		E	F	G	H	I			
			PREVIOUS APPLICATIONS	WORK COMPLETED THIS APPLICATION						TOTAL STORED & COMPLETED TO DATE (D + E + F)	% COMPL (G/C)	BALANCE TO FINISH (C - G)
1.	General Conditions	19,886.00	15,245.90	2,300.00		17,545.90	88%	2,340.10				
2.	Concrete Demo & New Work	9,500.00	9,185.00			9,185.00	97%	315.00				
3.	Coating Prep & New Application	17,250.00	12,075.00	3,500.00		15,575.00	90%	1,675.00				
4.	Mechanical Piping & Equipment Work	68,364.00	52,114.92	12,830.88		64,945.80	95%	3,418.20				
5.	Electrical Demo & New Work	67,800.00	10,170.00	20,340.00		30,510.00	45%	37,290.00				
CHANGE ORDERS												
6.	Upgraded Ball Valve	256.00	256.00			256.00	100%					
7.	Klode Park Fill Move	492.00		492.00		492.00	100%					
		183,548.00	99,046.82	39,462.88	0.00	138,509.70	75%	45,038.30				

WAIVER OF LIEN

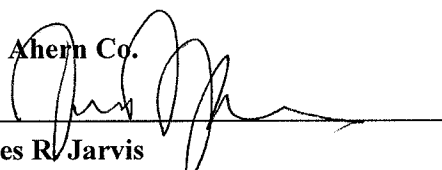
JFA JOB #211936

December 28, 2011

For Value received, we hereby waive partial rights and claims for lien on land and on buildings about to be erected, being erected, erected, altered or repaired and to the appurtenances thereunto, for **North Shore Water Commission** owner, for **Water Treatment Plant Work** same being situated in **Milwaukee** County, State of Wisconsin, described as **Glendale WTP** Project for all labor performed and for all material furnished for the erection, construction, alteration or repair of said building and appurtenances, except, none.

\$39,462.88

J. F. Ahern Co.



James R. Jarvis
Executive Vice President
Wisconsin Construction Division
J. F. Ahern Co.



Control System Support and Preventative Maintenance Agreement North Shore Water Commission Water Production Facilities

The following is the scope of support and preventive maintenance to be performed by Starnet Technologies, Inc. for the North Shore Water Commission on their water production control system.

HARDWARE SUPPORT

Starnet Technologies will provide availability of 24-hour emergency on-site service for the control system. Parts that fail will be repaired or replaced as expeditiously as possible so as to minimize any down time. Our response time goal will be 4 hours. It is the customer's responsibility to stock spare parts for critical long lead-time items.

Labor provided by Starnet Technologies will be our standard rates minus 15%. Labor that would be at the 1.5 multiplier normally will be provided at 1.0 times our standard rates under this agreement. Labor that would be at the 2.0 multiplier normally will be provided at 1.5 times our standard rates under this agreement. See the attached rate schedule.

TELEPHONE SUPPORT

Up to (4) four hours per year of telephone support is included in this agreement.

PREVENTIVE MAINTENANCE

This agreement includes (8) eight 1-day (8 hour) trips per year for preventive maintenance of the control system hardware and software. These trips are intended to be on a non-emergency basis. Mileage for these trips is included.

These trips are intended for preventive maintenance and equipment calibration, but can also be used for upgrades, training, or other non-emergency support.

Starnet Technologies will maintain an off-site backup of the Commission's software and configuration. During each preventive maintenance trip, Starnet Technologies will make a backup of Commission's system software for off-site backup.

Software upgrades for the high service pump control touch screen are included at no charge.

Agreement price..... \$11,210.00

This agreement is for a term beginning on the date Starnet Technologies receives the Commission's signed copy of this agreement as authorization, and ending on the same day of the following year. The agreement is automatically renewed for the next year by the parties at the stated amount plus CPI unless either party provides the other 30 days written notice to cancel the agreement or propose a change in the conditions.

NORTH SHORE WATER COMMISSION

STARNET TECHNOLOGIES, INC.

By: _____

By: _____

Date: _____

Date: _____

WATER TREATMENT PLANT TOUR HOLD HARMLESS AGREEMENT

By signing this document I acknowledge on my own behalf, or on behalf of my minor child or ward, the following with respect to a tour of the North Shore Water Commission Water Treatment Plant Facility. The water treatment plant is a structure, which structure has various equipment, fixtures, and facilities. I acknowledge that such facilities can present a risk of harm, whether foreseen or unforeseen, and particularly if rules, directives, and admonitions by Water Commission representatives are disregarded or not followed.

In consideration of being permitted to participate in a tour of the North Shore Water Commission, I hereby agree to indemnify and hold harmless and release the North Shore Water Commission and its agents from liability for injury or loss of or damage to any personal property whatsoever sustained by me or my successors, heirs, assigns and next of kin by reason of my presence in or upon the premises of the North Shore Water Commission provided that such liability does not arise solely from any act or omission of the North Shore Water Commission or its agents.

It is understood and agreed that wherever the words "I" or "my" or other first person, singular pronouns are used within this agreement, such terms shall include the minor on whose behalf this release is executed and the parents and/or legal guardians of said minor, whether specifically named or not, and wherever our initials or signatures appear on this release, the same are signed by us for ourselves individually and as parents and/or legal guardian(s) of said minor.

_____ **INITIALS**, parents and/or legal guardians.

I further understand and acknowledge that but for my voluntary execution of this release of liability, the North Shore Water Commission will not allow me to participate in any tour activities.

Name of Participant

Signature (Parent / Guardian if participant is under the age of 18)

Date

North Shore Water Commission Representative

Date of Tour

Manager's Report of Operations January 2012

For the Period: December 14 - January 10

1. Business Fitness completed its review of our telecommunication system. Their recommendation was to get off of the Whitefish Bay system and disconnect 3 telephone lines. To avoid paying cancellation fees, Business Fitness recommended that the NSWC stay with the incumbent provider, One Communications. These recommendations have been implemented by the Plant Manager. In about one year, Business Fitness recommends another review after trying our 3G cellular modem at each remote site.
2. The bulk sodium hypochlorite transfer pump developed a leak in the containment area. Plant staff repaired the pump.
3. Plant staff installed a new gutter heating system to replace the one that failed last year.
4. The old lab, formerly the Computer Administrator office, has been cleaned and reorganized to be an office for the Working Foreman and the new Technician Mechanic. In addition, the floor in this area was also stripped and waxed.
5. Plant staff is transitioning from Microsoft ® to Google Apps applications. Also, certain business processes have been automated and enhanced using Google Apps including a website that allows NSWC members to share main break information.
6. We had two power failures on December 19 that caused our high service pumps to stop unexpected. No damage was noted and the plant generator worked without any problems.
7. The sludge blowoff valve on basin #2 does not operate. Repairs will be made this summer.
8. Minor problems occurred with the SCADA system resulting in the loss of about 4 hours of data. The system is currently running without any problems.
9. Plant Manager entered into the following agreements:
 - a. GB Technologies, UPS maintenance and support for 2012--\$1,542.00, full battery replacement for UPS--\$2,299.30.
 - b. Emerson, Open Enterprise and related SCADA support for 2012--\$9,780.00.

NORTH SHORE WATER COMMISSION
 WHOLESALE WATER SALES
 FOR YEAR: 2011

WHOLESALE INCOME BY COMPONENT
 (Top: JAN-MAR, Bottom: APR-DEC)

FACILITIES CHARGE

MONTH	CUSTOMER	KGAL PURCHASED	WHOLESALE RATE (\$/K GAL)	TOTAL VOLUME CHARGE	CAPITAL \$/Kgal \$0.720 / Kgal	OPERATING \$ \$0.891 / Kgal	CONVEYANCE \$0.390 / Kgal	FOR 2010 FACILITIES UPKEEP					AMOUNT BILLED
								DISTRIBUTION OF CONVEYANCE CHARGE			\$500 / yr	NSWC REVENUE	
								FOX PT: 0.60	GLEN: 0.20	WFB: 0.20			
JANUARY	Mequon Water	3,908	\$2.001	\$7,819.91	\$2,813.76	\$3,482.03	\$1,524.11	\$914.47	\$304.82	\$304.82	\$0.00	\$6,295.80	\$7,819.91
FEBRUARY	Mequon Water	3,549	\$2.001	\$7,101.55	\$2,555.28	\$3,162.16	\$1,384.11	\$830.47	\$276.82	\$276.82	\$0.00	\$5,717.44	\$7,101.55
MARCH	Mequon Water	4,012	\$2.001	\$8,028.01	\$2,888.64	\$3,574.69	\$1,564.69	\$938.81	\$312.94	\$312.94	\$500.00	\$6,963.32	\$8,528.01
APRIL	Mequon Water	3,716	\$2.038	\$7,573.21	\$2,753.56	\$3,370.41	\$1,449.24	\$869.54	\$289.85	\$289.85	\$0.00	\$6,123.97	\$7,573.21
MAY	Mequon Water	4,251	\$2.038	\$8,663.54	\$3,149.99	\$3,855.66	\$1,657.89	\$994.73	\$331.58	\$331.58	\$0.00	\$7,005.65	\$8,663.54
JUNE	Mequon Water	4,821	\$2.038	\$9,825.20	\$3,572.36	\$4,372.65	\$1,880.19	\$1,128.11	\$376.04	\$376.04	\$0.00	\$7,945.01	\$9,825.20
JULY	Mequon Water	6,416	\$2.038	\$13,075.81	\$4,754.26	\$5,819.31	\$2,502.24	\$1,501.34	\$500.45	\$500.45	\$0.00	\$10,573.57	\$13,075.81
AUGUST	Mequon Water	5,146	\$2.038	\$10,487.55	\$3,813.19	\$4,667.42	\$2,006.94	\$1,204.16	\$401.39	\$401.39	\$0.00	\$8,480.61	\$10,487.55
SEPTEMBER	Mequon Water	4,714	\$2.038	\$9,607.13	\$3,493.07	\$4,275.60	\$1,838.46	\$1,103.08	\$367.69	\$367.69	\$0.00	\$7,768.67	\$9,607.13
OCTOBER	Mequon Water	4,112	\$2.038	\$8,380.26	\$3,046.99	\$3,729.58	\$1,603.69	\$962.21	\$320.74	\$320.74	\$0.00	\$6,776.57	\$8,380.26
NOVEMBER	Mequon Water	3,528	\$2.038	\$7,190.06	\$2,614.25	\$3,199.90	\$1,375.91	\$825.55	\$275.18	\$275.18	\$0.00	\$5,814.15	\$7,190.06
DECEMBER	Mequon Water	3,589	\$2.038	\$7,314.38	\$2,659.45	\$3,255.22	\$1,399.71	\$839.83	\$279.94	\$279.94	\$0.00	\$5,914.67	\$7,314.38
TOTALS		51,762		\$105,066.60	\$38,114.80	\$46,764.63	\$20,187.18	\$12,112.30	\$4,037.44	\$4,037.44	\$500.00	\$85,379.43	\$105,566.61

North Shore Water Commission
Extended Monthly Report (Page 2) December 2011
Flows Uncorrected for Distribution Activity

Date	High Service PSI (Gauge #1)			High Service PSI (Gauge #2)			WFB Tower PSI			Glen Standpipe PSI			FPT Standpipe PSI			WFB Standpipe Level (ft)			Glen Standpipe Level (ft)			FPT Tower Level (ft)			Monthly Pumpage RANK	Sum Master Meters (MGD)			WFB Flow (MGD)			Glen Flow (MGD)			FPT Flow (MGD)			
	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min		Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max
12/1/2011	84.36	81.17	79.28	84.72	81.75	79.76	67.66	65.42	61.12	57.97	50.00	37.37	57.87	54.07	51.53	32.00	26.22	20.27	77.56	60.75	44.16	22.52	21.00	19.49	18	4.47	3.15	1.93	2.33	0.98	-0.28	2.17	1.36	0.84	1.43	0.81	0.42	
12/2/2011	83.35	81.26	79.26	83.70	81.83	79.70	67.76	65.47	62.26	56.99	50.12	37.95	56.02	54.16	51.56	32.04	26.13	20.12	77.53	60.37	43.96	22.52	20.97	19.56	23	4.36	3.08	1.91	2.40	0.98	-0.33	2.06	1.30	0.77	1.37	0.80	0.45	
12/3/2011	84.51	81.16	79.47	85.00	81.73	79.98	69.18	65.59	62.64	56.79	50.01	37.95	57.74	54.12	52.07	32.10	28.14	23.84	78.08	59.61	39.91	22.52	20.76	19.04	29	4.26	2.93	1.77	2.13	0.96	0.02	2.09	1.21	0.69	1.49	0.75	0.40	
12/4/2011	82.85	81.15	78.54	83.49	81.73	78.83	67.68	65.53	61.98	56.32	49.13	37.58	56.18	54.06	51.93	32.15	28.55	24.21	78.03	60.18	42.18	22.52	20.71	18.82	20	4.67	3.12	1.90	2.36	1.00	0.08	2.13	1.30	0.65	1.45	0.82	0.39	
12/5/2011	82.76	81.51	79.52	83.29	82.08	80.14	67.59	65.79	62.60	57.29	50.48	38.28	55.93	54.25	51.86	32.06	28.18	23.21	77.92	61.61	44.05	22.52	21.09	19.52	19	4.41	3.12	1.90	2.12	0.97	0.03	2.06	1.29	0.85	1.43	0.87	0.50	
12/6/2011	83.50	81.48	79.73	84.07	82.06	80.38	67.73	65.72	62.63	56.47	50.15	37.81	56.55	54.39	52.05	32.03	27.84	22.69	77.75	60.82	43.78	22.52	21.34	20.10	16	4.54	3.16	1.94	2.13	1.00	0.03	2.04	1.34	0.89	1.41	0.82	0.46	
12/7/2011	82.37	81.47	79.47	82.89	82.06	80.18	67.58	65.74	62.79	56.89	50.07	37.15	55.58	54.40	51.84	32.06	27.93	22.89	77.75	61.23	44.50	22.52	21.35	20.16	15	4.22	3.19	1.89	2.12	1.02	0.07	2.13	1.37	0.85	1.37	0.80	0.44	
12/8/2011	82.56	81.40	79.69	83.04	82.00	80.15	67.72	65.73	62.74	56.70	50.12	37.79	55.49	54.34	52.02	32.06	27.79	22.71	77.71	60.63	42.83	22.52	21.33	20.10	11	4.66	3.20	1.90	2.19	1.00	-0.12	2.22	1.39	0.83	1.41	0.81	0.46	
12/9/2011	83.59	81.17	78.75	83.92	81.78	79.46	67.62	65.43	62.10	56.66	49.90	36.97	55.88	54.16	51.72	32.03	26.88	21.32	77.41	59.33	40.92	22.52	21.12	19.58	17	5.08	3.15	1.92	2.47	1.00	-0.19	2.42	1.36	0.65	1.52	0.79	0.36	
12/10/2011	82.37	80.66	79.18	83.07	81.26	79.70	67.67	65.10	62.12	56.72	49.35	37.64	55.50	53.71	52.12	32.03	26.58	21.85	77.87	57.66	36.95	22.52	20.66	18.98	21	4.44	3.11	1.96	2.23	1.02	-0.23	2.05	1.30	0.78	1.25	0.79	0.46	
12/11/2011	82.28	80.95	79.09	82.66	81.54	79.63	67.62	65.37	62.31	56.80	49.19	37.19	55.45	53.76	51.27	32.01	27.28	22.75	77.79	57.35	39.11	22.53	20.58	18.93	9	4.38	3.21	2.11	2.28	1.03	-0.09	1.96	1.32	0.73	1.36	0.86	0.47	
12/12/2011	82.42	81.44	79.21	82.77	82.06	79.70	67.63	65.71	62.58	56.87	50.01	37.99	55.69	54.09	51.64	32.08	28.00	22.87	74.91	56.25	38.91	22.52	20.50	18.98	2	5.04	3.50	1.97	2.19	1.01	-0.03	2.34	1.43	0.93	1.46	1.05	0.50	
12/13/2011	84.10	81.44	79.40	84.82	82.04	79.84	67.91	65.71	61.26	58.72	49.94	37.01	56.22	54.03	51.56	32.08	28.23	23.12	75.54	57.56	41.42	22.53	20.43	18.90	1	5.20	3.51	1.94	2.26	1.01	0.03	2.33	1.42	0.87	1.64	1.09	0.51	
12/14/2011	82.97	81.42	79.45	83.29	82.04	80.09	67.86	65.75	62.77	56.49	50.19	38.49	55.76	54.25	51.61	32.10	28.21	23.00	76.46	59.00	42.29	22.53	20.78	19.43	12	4.52	3.20	1.94	2.19	1.00	0.00	2.29	1.37	0.90	1.46	0.84	0.47	
12/15/2011	83.47	81.45	79.40	84.06	82.06	80.01	67.50	65.74	61.62	57.02	50.03	37.74	55.99	54.37	52.72	32.09	28.18	23.03	76.26	58.99	41.85	22.52	20.88	19.39	5	4.67	3.24	1.93	2.44	1.02	0.00	2.24	1.41	0.89	1.35	0.82	0.46	
12/16/2011	84.91	81.40	79.69	85.55	82.01	80.17	67.92	65.74	62.27	58.34	49.54	38.26	55.99	54.32	52.09	32.07	28.25	23.30	76.63	57.09	40.95	22.52	20.86	19.41	13	5.24	3.19	2.03	2.58	0.99	-0.02	2.18	1.39	0.89	1.37	0.82	0.44	
12/17/2011	82.44	80.88	79.61	83.08	81.47	80.08	67.83	65.24	62.27	56.34	49.28	38.54	55.58	53.92	52.14	32.01	26.98	21.16	77.79	59.60	40.68	22.51	20.77	19.15	25	4.83	3.06	1.89	2.44	0.99	-0.35	1.98	1.29	0.64	1.20	0.79	0.35	
12/18/2011	82.42	80.60	77.96	83.04	81.20	78.37	67.75	65.07	61.77	56.76	49.29	38.14	55.52	53.66	50.41	31.62	25.94	20.48	77.80	57.29	35.45	21.05	19.38	17.85	23	4.48	3.07	1.91	2.30	1.00	-0.30	2.04	1.28	0.80	1.33	0.80	0.46	
12/19/2011	86.28	81.39	62.33	86.72	82.00	64.84	70.29	65.63	54.56	57.98	49.30	38.29	59.95	54.15	42.22	32.02	27.31	22.05	72.86	54.06	39.08	21.32	20.06	18.32	3	4.75	3.34	0.00	2.17	1.04	-0.11	2.25	1.40	0.00	1.68	0.91	0.00	
12/20/2011	83.86	81.20	79.69	84.93	81.81	80.21	67.72	65.49	61.61	57.70	49.70	37.37	56.52	54.11	52.02	32.08	26.93	21.05	75.72	56.77	38.47	22.28	20.91	19.91	8	4.78	3.21	2.02	2.28	1.00	-0.33	2.29	1.36	0.89	1.69	0.85	0.51	
12/21/2011	82.54	81.36	80.09	82.87	81.96	80.67	67.62	65.64	62.70	56.73	49.86	38.17	55.55	54.28	52.39	31.98	27.29	21.90	74.73	55.71	38.13	22.52	21.16	20.02	10	4.30	3.20	1.94	2.16	1.00	-0.25	2.20	1.36	0.88	1.33	0.84	0.53	
12/22/2011	83.76	81.45	79.47	84.13	82.06	80.07	67.59	65.75	62.21	56.57	50.15	38.31	55.61	54.34	51.97	32.15	28.22	23.30	75.35	56.33	39.66	22.52	21.23	20.08	7	4.80	3.21	2.10	2.54	1.02	0.06	2.13	1.35	0.88	1.35	0.84	0.53	
12/23/2011	82.80	81.45	79.83	83.38	82.06	80.61	67.80	65.73	62.59	57.12	49.97	37.99	56.03	54.36	52.04	32.06	28.19	23.46	75.28	55.75	40.26	22.52	21.26	20.05	6	4.85	3.22	1.91	2.44	1.04	0.00	2.04	1.34	0.66	1.39	0.84	0.51	
12/24/2011	82.92	81.06	79.35	83.63	81.66	80.14	67.77	65.45	62.52	56.74	49.24	37.26	56.17	54.08	52.55	32.00	27.97	23.82	78.03	58.43	38.99	22.52	20.97	19.21	27	4.58	3.06	1.89	2.26	1.02	0.05	2.05	1.25	0.61	1.41	0.79	0.39	
12/25/2011	84.34	81.15	79.59	85.06	81.75	80.25	69.26	65.68	62.84	56.48	49.45	37.72	57.66	54.09	52.73	32.19	28.79	25.00	78.07	59.98	42.00	22.52	20.83	19.47	31	3.99	2.79	1.77	2.14	0.93	0.11	2.20	1.11	0.49	1.37	0.76	0.31	
12/26/2011	86.38	81.49	78.73	86.85	82.10	79.17	71.02	65.91	62.89	56.71	50.28	37.89	59.53	54.13	48.96	32.11	29.20	25.13	78.12	59.95	43.21	22.52	20.55	19.08	14	5.23	3.19	1.61	2.42	0.94	0.05	1.97	1.26	0.57	2.49	0.99	0.40	
12/27/2011	84.15	81.46	76.93	84.04	82.07	77.43	67.81	65.81	61.14	61.01	50.21	37.66	55.62	54.11	49.74	32.08	28.43	23.76	78.03	59.54	42.71	22.52	20.59	19.00	4	5.43	3.30	1.92	2.34	0.96	0.05	2.12	1.31	0.80	1.67	1.03	0.48	
12/28/2011	82.66	81.47	79.21	83.18	82.08	79.89	67.58	65.81	62.95	56.36	50.10	37.45	55.64	54.33	51.64	32.10	28.51	23.80	77.99	58.92	40.31	22.52	20.90	19.55	28	4.68	3.05	1.91	2.36	0.96	0.06	2.01	1.26	0.77	1.36	0.83	0.50	
12/29/2011	82.54	81.46	79.52	83.09	82.08	80.11	67.65	65.80	62.46	56.92	49.90	37.34	55.56	54.37	51.49	32.03	28.40	23.62	77.86	58.81	40.90	22.52	21.03	19.63	26	4.56	3.06	1.91	2.46	0.96	0.02	2.04	1.28	0.75	1.38	0.82	0.48	
12/30/2011	82.73	81.43	79.28	83.18	82.04	79.95	67.61	65.80	62.59	56.66	50.06	37.82	55.63	54.30	51.48	32.07	28.59	23.77	77.93	58.65	41.12	22.52	20.91	19.44	22	5.26	3.08	1.91	2.42	0.95	-0.09	2.00	1.26	0.73	1.48	0.87	0.48	
12/31/2011	82.06	80.63	79.04	82.65	81.23	79.81	67.31	65.23	62.93	56.68	49.66	38.61	55.36	53.71	51.80	31.73	26.59	22.15	78.00	58.31	38.38	22.52	20.71	18.73	30	4.20	2.89	1.98	2.13	0.95	-0.32	1.83	1.20	0.59	1.20	0.75	0.32	
MAX	86.38	81.51	80.09	86.85	82.10	80.67	71.02	65.91	62.95	61.01	50.48	38.61	59.95	54.40	52.7																							

2011
NORTH SHORE WATER COMMISSION
ANNUAL REPORT

400 West Bender Road
Glendale, Wisconsin

Whitefish Bay - Glendale - Fox Point

NORTH SHORE WATER COMMISSION

January 9, 2012

2011 Pumpage Report

All values are in units of million gallon (MG) unless noted otherwise.

Whitefish Bay - Glendale - Fox Point, WI

<i>ALL METERING</i>	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Total
Whitefish Bay	35.160	28.414	28.322	26.084	29.365	31.659	47.863	43.472	36.297	31.249	29.112	29.844	396.841
Glendale	49.442	45.017	49.536	49.342	56.087	60.856	82.596	79.407	65.597	55.556	48.929	47.140	689.505
Fox Point	16.602	15.110	15.513	14.495	17.231	19.621	28.138	27.147	22.095	17.277	14.754	17.233	225.216
Mequon	3.908	3.549	4.012	3.716	4.251	4.821	6.309	5.243	4.714	4.112	3.528	3.589	51.752
Member Pumpage	101.204	88.541	93.371	89.921	102.683	112.136	158.597	150.026	123.989	104.082	92.795	94.217	1,311.562
Total Pumpage	105.112	92.090	97.383	93.637	106.934	116.957	164.906	155.269	128.703	108.194	96.323	97.806	1,363.314

<i>ALLOCATIONS %</i>	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Cumulative
Whitefish Bay	34.74%	32.09%	30.33%	29.01%	28.60%	28.23%	30.18%	28.98%	29.27%	30.02%	31.37%	31.68%	30.26%
Glendale	48.85%	50.84%	53.05%	54.87%	54.62%	54.27%	52.08%	52.93%	52.91%	53.38%	52.73%	50.03%	52.57%
Fox Point	16.40%	17.07%	16.61%	16.12%	16.78%	17.50%	17.74%	18.09%	17.82%	16.60%	15.90%	18.29%	17.17%

<i>ALLOCATIONS %</i>	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Cumulative
Whitefish Bay	33.45%	30.85%	29.08%	27.86%	27.46%	27.07%	29.02%	28.00%	28.20%	28.88%	30.22%	30.51%	29.11%
Glendale	47.04%	48.88%	50.87%	52.69%	52.45%	52.03%	50.09%	51.14%	50.97%	51.35%	50.80%	48.20%	50.58%
Fox Point	15.79%	16.41%	15.93%	15.48%	16.11%	16.78%	17.06%	17.48%	17.17%	15.97%	15.32%	17.62%	16.52%
Mequon	3.72%	3.85%	4.12%	3.97%	3.98%	4.12%	3.83%	3.38%	3.66%	3.80%	3.66%	3.67%	3.80%

<i>STATISTICS</i>	Max Day	Ave Day	Min Day
Whitefish Bay	2.100	1.087	0.553
Glendale	3.385	1.889	1.170
Fox Point	1.187	0.616	0.296
Mequon	0.278	0.143	0.106

NORTH SHORE WATER COMMISSION

2011 Summary of Operations

Whitefish Bay - Glendale - Fox Point

January 9, 2012

<i>VARIABLE COSTS</i>	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	AVE
Chemicals (\$/MG)	\$71.69	\$75.31	\$72.64	\$73.73	\$70.84	\$68.04	\$65.35	\$63.43	\$61.98	\$62.86	\$64.88	\$58.24	\$67.42
Energy (KWH per MG)	2038	1929	2017	2103	2027	2137	2002	2048	2072	2023	2079	2071	2046
Energy (\$/MG)	\$168.49	\$170.00	\$172.08	\$177.80	\$166.87	\$173.89	\$151.26	\$157.62	\$165.23	\$164.98	\$175.55	\$173.11	\$168.07
Energy (\$/KWH)	0.0827	0.0881	0.0853	0.0845	0.0823	0.0814	0.0756	0.077	0.0797	0.0816	0.0844	0.0836	0.0821

<i>PHYSICAL CHARACTERISTICS</i>	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	AVE
Average Pressure (PSI)	82.4	82.4	81.8	82.0	81.6	81.9	82.7	82.7	82.3	81.8	81.8	81.8	82.1
Average Water Temp (F)	32.9	32.7	34.9	39.3	45.1	49.3	48.8	60.9	60.2	55.3	47.5	40.3	45.6

<i>WATER QUALITY</i>	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	AVE
Ave. Raw Turbidity (NTU)	4.2	12.1	8.7	6.3	3.5	1.8	2.0	1.3	1.6	4.7	3.6	1.7	4.3
Ave. Filter Effluent Turbidity (NTU)	0.04	0.04	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Ave. Raw MPN Index (Total Coliform)	0.5	1.2	1.8	2.1	9.3	23.5	2.8	21.5	105.7	37.6	5.1	2.7	17.8
Ave. Raw pH	7.99	8.03	8.20	8.17	8.24	8.32	8.31	8.33	8.29	8.24	8.20	8.19	8.21
Ave. Tap pH	7.52	7.54	7.72	7.71	7.73	7.78	7.83	7.87	7.85	7.84	7.82	7.85	7.76
Ave. Tap Hardness (mg/L)	138	138	139	140	139	135	135	133	134	137	137	137	137
Ave. Tap Alkalinity (mg/L)	111	112	111	111	112	110	110	111	112	112	112	111	111
Ave. Tap Fluoride Res. (mg/L)	1.10	1.03	1.00	1.00	1.04	1.09	1.03	1.01	1.05	1.13	1.13	1.09	1.06
Ave. Tap Total Chlorine Res. (mg/L)	2.47	2.50	2.45	2.43	2.40	2.51	2.53	2.48	2.46	2.46	2.50	2.45	2.47

<i>CHEMICALS APPLIED (PPM)</i>	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	AVE
Sodium Hypochlorite	2.986	2.921	2.930	3.112	3.233	3.218	3.045	3.270	3.129	3.230	3.262	2.866	3.100
Aqua Ammonia	0.582	0.556	0.536	0.531	0.529	0.588	0.564	0.568	0.580	0.560	0.558	0.554	0.559
Carbon	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fluoride	1.496	1.300	1.273	1.274	1.306	1.274	1.222	1.147	1.197	1.320	1.289	1.244	1.279
Alum	10.434	13.257	12.527	12.157	10.529	9.026	8.341	7.713	6.917	6.672	7.895	5.129	9.216
Phosphates	2.515	2.485	2.329	2.153	2.175	2.293	2.428	2.400	2.332	2.291	2.183	2.320	2.325
Potassium Permanganate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Polymer	0.548	0.528	0.531	0.783	0.658	0.599	0.548	0.459	0.513	0.484	0.532	0.611	0.566

<i>CHEMICALS APPLIED (ACT. LBS)</i>	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sodium Hypochlorite	2,534	2,242	2,378	2,428	2,881	3,136	4,185	4,231	3,356	2,912	2,618	2,336	35,237
Aqua Ammonia	2,534	427	435	494	471	573	775	735	622	505	448	451	8,470
Carbon	0	0	0	0	0	0	0	0	0	0	0	0	0
Fluoride	1,270	998	1,033	994	1,164	1,242	1,679	1,484	1,284	1,190	1,035	1,014	14,387
Alum	8,855	10,174	10,166	9,486	9,383	8,797	11,463	9,980	7,419	6,016	6,337	4,180	102,256
Phosphates	2,134	1,907	1,890	1,680	1,938	2,235	3,336	3,106	2,501	2,066	1,752	1,891	26,436
Potassium Permanganate	0	0	0	0	0	0	0	0	0	0	0	0	0
Polymer	465	405	431	611	586	584	753	594	550	436	427	498	6,340