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AGENDA
GREEN BAY METROPOLITAN SEWERAGE DISTRICT
COMMISSION MEETING
February 22, 2012
Training Center, 2231 N. Quincy Street
8:30 a.m.

1) Welcome new Commissioner, Mark Tumpach.

2) Administer Oath of Office.

3) Elect Commissioner Tumpach as Vice President.

4) Approval of minutes of Commission meetings held January 25 and 31, 2012.

5) January financials. (Diaz)
Click Here: January Financial memo
Click Here: January Income statement
Click Here: January Financial graphs
Click Here: January Income statement legends
Click Here: January Balance sheet
Click Here: January Balance sheet legends

6) Review investment portfolio. (Kaster)
Click Here: Memo

7) Introduce new employees: (Bartel)
a) Jenny Pagel, Operator-in-Training
b) Mike Murphy, Operator-in-Training

8) Request Commission approval to close out Contract No. 2009-01 De Pere and Green Bay Facility Upgrade and issue final payment to The Selmer Company. (Angoli)
Click Here: Project memo
Click Here: Project report

9) Request Commission approval to close out Contract No. 2009-011 North Basin Complex Gate Replacement Project and issue final payment to J.F. Ahern Co. (Qualls)
Click Here: Project memo
Click Here: Project report

10) Update on GBMSD's Ambient Water Quality Monitoring Program 2011 changes. (Valenta)
Click Here: Memo

11) Update on dual fuel for generators. (Angoli)
Click Here: Memo

12) Sewer plan approvals: (Pierner)
Click Here: Sewer plan memo
a) Village of Bellevue – Project A-12; GBMSD Request 2012-02

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Click Here: Sewer plan map

b) Village of Howard – Project 09013; GBMSD Request 2012-03

Click Here: Sewer plan map

13) Update of projects:

a) Resource Recovery and Electrical Energy (R2E2) (Bartel)

Click Here: Project memo

b) Air permit status update (Kennedy)

Click Here: Memo

14) Operation report: (Wescott)

Click Here: Memo

a) Effluent quality for January

Click Here: Effluent report – Green Bay Facility

Click Here: Effluent report – De Pere Facility

b) Air quality for January

Click Here: Air report – Green Bay Facility

15) Executive Director's report: (Sigmund)

a) March Commission meeting

b) NACWA 2012 Winter Conference

c) GBMSD 2012 goals

Click Here: Executive Director's memo

16) Convene in closed session under State Statute 19.85 (1) (g) for the purpose of conferring with legal counsel for the Commission who is rendering oral or written advice concerning strategy to be adopted by the Commission with respect to litigation in which it is or is likely to become involved, and under 19.85 (1) (c) for the purpose of considering employment, promotion, compensation or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility:

a) Georgia-Pacific billing issues

b) Performance review of Executive Director

17) Reconvene in open session.

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Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commission
Tom Sigmund

FROM: Maridey Diaz

DATE: February 16, 2012

SUBJECT: 2012 January Financial Statements

Please find attached the Financial Statements for your review.

Operating Revenues

- Operating revenues were ($116K) or 5.3% unfavorable to budget due to less snowfall precipitation received for flow volumes as compared to the prior year. In January 2011, there was significant snow melt from the record December 2010 snowfall. User fees are budgeted based on the prior 12 months.

Operating Expenses

- Operating expenses were favorable to budget by $114K or 6.7% from:
    a. Less electrical power usage for process air and pumping.
    b. Natural Gas & Fuel Oil had less usage due to the warmer weather, which reduced heating boiler expenses by $42K.
    c. Solid Waste Disposal was down because no sludge was hauled to landfill in January instead of 12 loads as budgeted, thus reducing expenses by $32K.

- January's operating expenses showed unfavorable to budget on:
    a. Chemicals due to polymer purchases of $82K versus $29K budgeted monthly, purchased quarterly, and per usage.
    b. Contracted Services from the De Pere Facility Chlorination/De-chlorination and Peroxide Design which was an unanticipated expense in 2011, carry over into this year, and issued final payment of $66K.
    c. Unanticipated salary payout for a recent retiree, reclassification of pay grades for some positions, and implementation of standby pay for Maintenance staff for snow removal contributed to $18K variance in salaries.

Net Loss

The net loss was ($111K) as a result of non-operating revenues and expenses.

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Reporting and Information

- Operating Revenue and Expense graphs are attached.
- Also attached are the Income Statements and Balance Sheet Lege**n**ds by category.

No Commission action is required.

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GREEN BAY METROPOLITAN SEWERAGE DISTRICT
INCOME STATEMENT
For the Month Ending January 31, 2012

	Current Month & YTD			Year to Date
	Budget 2012	Actual 2012	Budget vs. Actual Favorable/ (Unfavorable)	Actual 2011
Operating Revenues				
User Fees - Municipal Waste	1,939,193	1,834,857	(104,336)	1,718,108
User Fees - Mill Waste	95,158	82,483	(12,675)	84,799
Capital and Direct Revenue - Mills	-	-	-	-
Other Revenues	141,791	143,040	1,249	155,789
Total Operating Revenues	2,176,142	2,060,380	(115,762)	1,958,696
Operating Expenses				
Salaries	527,623	545,131	(17,508)	540,810
Benefits	203,721	197,082	6,639	232,792
Employee Development	12,629	19,853	(7,224)	3,517
Travel and Meetings	2,834	1,394	1,440	886
Power	242,624	183,604	59,020	211,196
Natural Gas & Fuel Oil	200,216	142,281	57,935	157,290
Chemicals	53,612	112,103	(58,491)	85,345
Maintenance - Plant	115,215	95,562	19,653	121,898
Maintenance - Interceptors	15,038	6,642	8,396	65,150
Contracted Services (*)	206,064	230,847	(24,782)	66,823
Insurance	13,491	12,559	932	14,890
Solid Waste Disposal	43,554	11,086	32,468	10,252
Office Related Expenses	19,177	18,157	1,020	15,611
Supplementary Expenses (See Legend)	53,460	18,906	34,554	17,638
Total Operating Expenses	1,709,259	1,595,208	114,051	1,544,097
Operating Income	466,883	465,172	(1,711)	414,598
Non-Operating Revenues and Expenses				
Investment Income	72,191	51,302	(20,889)	73,227
Depreciation	(443,666)	(443,666)	-	(458,000)
Gain (Loss) on Disposal of Fixed Assets	-	-	-	-
Interest Expense	(177,453)	(184,115)	(6,662)	(169,819)
Total Non-Operating Revenues and Expenses	(548,928)	(576,478)	(27,550)	(554,592)
Net Income (Loss)	(82,045)	(111,306)	(29,261)	(139,994)

(*)Contracted Services includes Strategic Initiatives. For 2011 Financial column, Contracted Services includes also contingency.

Note: Please reference attached legends by categories.

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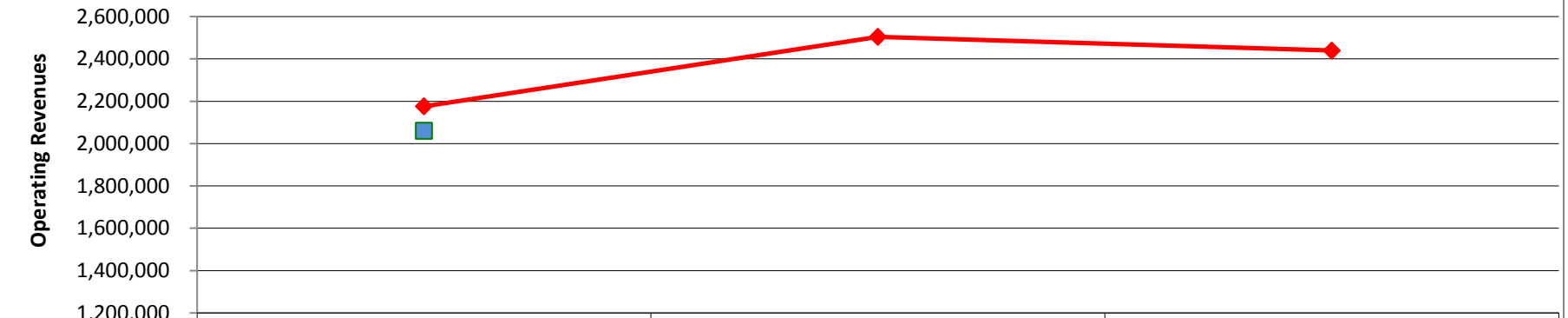
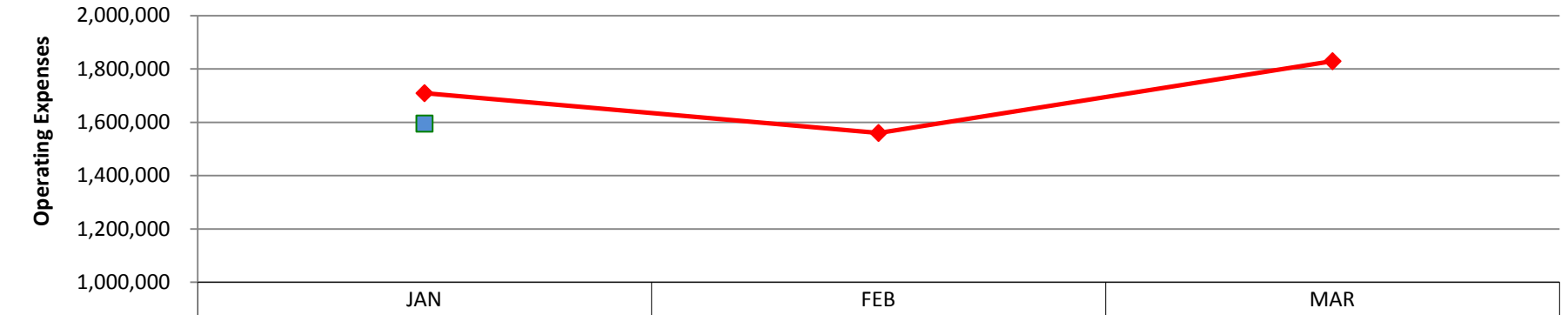
Green Bay Metropolitan Sewerage District
2012 Operating Revenues



	JAN	FEB	MAR
2012 BUDGET	2,176,142	2,504,466	2,439,189
2012 ACTUAL	2,060,380		

Green Bay Metropolitan Sewerage District
2012 Operating Expenses



	JAN	FEB	MAR
2012 BUDGET	1,709,259	1,559,987	1,829,210
2012 ACTUAL	1,595,208		

Green Bay Metropolitan Sewerage District

Income Statement Legends per Categories

Operating Revenues:

User Fees - Municipal Waste:	Volume, Biochemical Oxygen Demand, Suspended Solids, Phosphorus, Kjeldahl Nitrogen, Direct Charges
User Fees – Mill Waste:	Volume, Biochemical Oxygen Demand, Suspended Solids, Phosphorus, Kjeldahl Nitrogen Direct Charges from Procter & Gamble, and Fox River Fiber
Capital and Direct Revenue Mills:	Capital and Debt Service Charges.
Other Revenues:	Excess Capacity Rental and Exceedance Surcharges, Discounts Permit Fees, Leases and miscellaneous revenues.

Operating Expenses:

Salaries:	Departmental, Pretreatment, Interceptor, Meter and Lift Stations (East River Lift Stations and Old Plank Lift Stations).
Benefits:	Health, Dental, & Life Insurances, Retirement, Social Security, Fringe Benefits, Workers Compensation, Uniforms, Employee Referral Services, Long Term Disability, and Wellness.
Employee Development:	Registration, Conference, Seminar, Tuition Fees, Training and Recognition.
Travel and Meetings:	Lodging, Transportation, Meals, Mileage, and Meetings (prior were included in Employee Development and Supplementary Expenses).
Power:	All Power related.
Natural Gas & Fuel Oil:	Generators, Incineration and Heating.
Chemicals:	Sodium, Polymer, Ferric Chloride, Muriatic Acid, Lime, etc., Interceptor Odor Control and Lab Chemicals.
Maintenance Plant:	Repair and Maintenance Building and Equipments, Inventories (Obsolescence, Variances), Telephones for Lift and Meter Stations, Pretreatment Programs, Leases and Rental.

Green Bay Metropolitan Sewerage District

Income Statement Legends per Categories

Operating Expenses (Continued):

Maintenance Interceptors:	Repair and Maintenance of Interceptors, Lift Stations, and Meter Stations.
Contracted Services:	Contractors, Legal, Audit, Studies, Occupational Health, Custodial Services, Environmental Programs, Sponsorship, Hazardous Waste Disposal, Class and Compensation, Household Hazardous Waste Disposal, DNR Environmental Fees, In District Sustainability, Risk Based Asset Management, Watershed Based Planning, Reg/Muni Environment Service and Contingency.
Insurances:	Worker's Compensation, Automobile, Property, Boiler and Machinery, Liability, Umbrella, Commercial Crime, and Public Officials.
Solid Waste Disposal:	Hickory Meadows Landfill and Veolia Environmental Services.
Office Related Expenses:	Supplies, Postage, Data Processing (computer software, main application, support, etc.), Publishing, and Bank Service Charges.
Supplementary Expenses:	Telephones (main lines, cells), Fuel Vehicles, (New) Fuel Equipment, Small Tools, Public Information, Memberships and Dues, Publications and Subscriptions, Licenses & Permits, Freight In, Freight Out, Safety Shoes and Glasses, and Water (including Fire Protection supplemental fee).

Non-Operating Revenues and Expenses:

Investment Income:	Interest on Investments and Interceptor Cost Recovery Interest.
Depreciation Expense:	Monthly Depreciation on all Fixed Assets such as Land, Land Improvements, Buildings, Vehicle, Boats & Trailers, Machinery Equipment, Furniture and Fixtures, Interceptors, Meters & Lift Stations.
Gain (Loss) on Disposal of Fixed Assets:	Sale, Disposal, and Transfer of Fixed Asset.
Interest Expense:	Debt Service and Bond Anticipation Note Interest.

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GREEN BAY METROPOLITAN SEWERAGE DISTRICT
BALANCE SHEET
For the Month Ending January 31, 2012

Assets

Current Assets	
Cash and Investments	6,140,194.39
Receivables	
Sewage Treatment Service	3,284,923.04
Other	1,007,021.37
Inventories	1,003,495.60
Prepaid Expenses	170,161.59
Total Current Assets	11,605,795.99
Restricted Assets	
Cash and Investments	47,139,080.65
Accrued Interest Receivables	210,535.56
Interceptor Cost Recovery Receivable	16,210,787.25
Total Restricted Assets	63,560,403.46
Capital Assets	
Wastewater Treatment Facilities	163,822,908.26
Interceptor Sewers	73,504,749.38
Construction in Progress	44,719,614.92
Total Capital Assets	282,047,272.56
Less: Accum Depreciation and Amortization	(105,337,896.00)
Net Capital Assets	176,709,376.56
Other Assets	
Bond Issuance Cost	86,419.29
Total Other Assets	86,419.29
TOTAL ASSETS	251,961,995.30

Liabilities and Equity

Current Liabilities	
Accounts Payable	948,541.37
Salaries Payable	170,430.07
Other Accrued Liabilities	81,898.66
Total Current Liabilities	1,200,870.10
Liabilities Payable from Restricted Assets	
Accounts Payable	261,733.94
Current Maturities of General Long-Term Debt	4,707,085.69
Interest Accrued	505,386.58
Total Liabilities Payable from Restricted Assets	5,474,206.21
Long-Term Liabilities	
General Long-Term Debt, Less Current Maturities	59,684,338.49
Compensated Absences	1,543,328.65
Total Long-Term Liabilities	61,227,667.14
Total Liabilities	67,902,743.45

NET ASSETS

Net Assets	
Invested in Capital Assets, net of Related Debt	112,404,371.67
Restricted for Equipment & Interceptor Replacement	53,526,122.35
Restricted for Debt Retirement	8,331,095.06
Unrestricted	9,797,662.77
Total Net Assets	184,059,251.85

Note: Please reference attached legends by categories.

Green Bay Metropolitan Sewerage District

Balance Sheet Legends per Categories

Assets

Current Assets:	Are cash and other assets that will be converted to cash or used by GBMSD in a relative short period of time, usually a year or less.
Cash and Investments:	Petty cash, cash in checking, general savings and investment accounts, discounts/premiums for unrestricted and restricted.
Accounts Receivables:	All amounts owed to GBMSD by customers.
Sewage Treatment Service:	Accounts receivable for sewage treatment services.
Accrued Interest:	accrued interest and interest received on investments.
	Other: Accounts receivable from septage, pretreatment, and other customers such as Procter and Gamble Paper Products, West Shore Pipeline Co, etc.
Inventories:	Are goods and materials held available in stock by GBMSD such as electrical, instrumentation, mechanical, hardware, janitorial, lubes & oils, fuel oils, polymer, and all other miscellaneous related products such as copy paper, gloves, respirator or filter head piece, cartridge, cleaners, towels, etc.
Prepaid Expenses:	Insurances that have been paid for and not yet used such as worker compensation, liability base, automotive, umbrella base, property base, boiler & machinery, commercial crime, public officials, health, dental, and fringe benefits.
Restricted Assets	
Cash and Investments:	Savings, investment and money market accounts for debt, plant and equipment replacement fund (PERF), interceptor cost recovery (ICR), bond proceeds, and unrealized gain/loss.
Accrued Interest Receivable:	Accrued interest and interest received periodically on restricted investments.

Green Bay Metropolitan Sewerage District

Balance Sheet Legends per Categories

Interceptor Cost Recovery Receivable:	Deferred receivable from municipal customers in which the municipalities have agreed to reimburse GBMSD for the cost of interceptors owned by GBMSD whose capacity has been allocated.
Capital/Fixed Assets:	
Capital:	Are all items of property other than inventories, receivables, copy rights, certain governmental obligations, and real and depreciable property used by GBMSD (Ex: capital stocks and bonds).
Fixed Assets:	Are long term assets acquired by GBMSD rather than for resale.
Wastewater Treatment Facilities:	Land & land improvements, structures, machinery & equipment, furniture & fixtures, vehicle, boats & trailers, and amortize assets.
Interceptor Sewers:	Meter & lift stations and interceptors.
Construction in Progress (CIP):	Asset entry records the cost of construction work, which is not yet completed. A CIP item is not depreciated until the asset is placed in service.
Accumulated Depreciation & Amortization:	Shows the total of all depreciation and amortization recorded on the asset up through the balance sheet date (land & land improvements, structures, machinery & equipment, furniture & fixtures, vehicle, boats & trailers, and accumulated amortization).
Depreciation:	Is the amount of plant asset cost allocated to each accounting period benefiting from the asset's use; it is a process of allocation, not valuation.
Amortization:	Is the systematic write–off of the cost of an intangible asset to expense. A portion of intangible asset cost is allocated to each accounting period in the economic (useful) life of the asset.

Green Bay Metropolitan Sewerage District

Balance Sheet Legends per Categories

Other Assets:

Other Receivable:	Miscellaneous receivable such as credits and adjustments received.
Bond Issuance Cost:	Expenditures incurred in preparing and selling a bond issue such as legal, underwriting, registration fees, etc. These deferred charges are amortized over the period the bonds are outstanding (date of issue to the maturity date).

Liabilities and Equity

Current Liabilities:	Are debts, usually due within one year, and the payment of which normally will require the use of current assets.
Accounts Payable:	Are amounts owed by GBMSD to creditors for items or services purchased from them. Contains all vouchers that have been prepared and approved as proper liabilities such as accounts payable, retainage payable for projects and accounts payable accruals.
Salaries Payable:	Accrued salaries incurred and not yet paid.
Other Accrued Liabilities:	Amounts owed to employees for services rendered and for which payment has not been made at the balance sheet date such as fringe benefits payable, federal income tax payable, FICA payable, Medicare payable, life insurance, dependent care withholding, child support payment, United Way payable, and Wisconsin income tax payable.

Liabilities Payable for Restrictive Assets:

Accounts Payable:	Contains all vouchers that have been prepared and approved as proper liabilities for restrictive assets.
Current Maturity of Long Term Debt:	
Interest Accrued:	Accrual and interest payment on debt services, Clean Water Fund loan, bond anticipation note, and Wisconsin environmental improvements.

Green Bay Metropolitan Sewerage District

Balance Sheet Legends per Categories

Long-Term Liabilities:	Are those debts not due for a relatively long period of time, usually more than one year.
General Long-Term Debt, Less Current Maturities:	Clean Water Fund loans, general obligation notes, bond issuance, bond anticipation notes, and promissory notes.
Compensated Absences:	Are compensation received by employees such as accrued vacation & sick pay, severance, and paid leave conversion. Accumulated unpaid vacation and sick paid amounts are accrued when benefits vested to employees.
Deferred Revenues:	Involves transfer of data already recorded in asset and liability accounts to expense and revenue accounts (Ex: De Pere consolidation).

Net Assets

Invested in Capital Assets, Net of Related Debt:	Capital Assets net of debt such as Clean Water Fund loans, general obligation note, bond issue, bond anticipation loan, promissory note, bond issuance costs, and discount on bond issue.
Restrictive for Equipment and Interceptor Replacement:	Plant and equipment replacement fund (PERF), interceptor cost recovery (ICR) investments, and accrued interest received.
Restricted for Debt Retirement:	Restrictive debt investment, accrued interest received debt, and interest payable.
Unrestricted:	All other net assets that do not meet the definition of “restricted” or “invested in capital assets, net of related debt.”

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Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commission
Tom Sigmund

FROM: Paul Kaster

DATE: February 15, 2012

SUBJECT: Green Bay Metropolitan Sewerage District Investment Review

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Background

Kent Kiewatt, Director of Fixed Income Sales for Wells Fargo Securities, will provide the Green Bay Metropolitan Sewerage District Commission with an informational overview of current investments and strategy for GBMSD.

Recommendation

None.

Commission Action

No action is required.

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Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commissioners
Tom Sigmund

FROM: William Angoli

DATE: February 6, 2012

SUBJECT: Contract No. 2009-01 De Pere and Green Bay Facility Upgrades – Close Out and Final Payment

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Background

At the April 27, 2009 Commission meeting, Contract 2009-01 De Pere and Green Bay Facility Upgrades construction project was awarded to The Selmer Company in the amount of $14,198,000 and current contract contingencies of $1,401,082.62 for a total project amount of $15,599,082.62.

Construction of the De Pere and Green Bay Facility upgrades included replacing all piping and valves in the existing pump station, addition of two new pumps to pump flow to the Green Bay Facility, addition of screening washer compactor system, addition of new pumps and piping to pump mill waste and waste activated sludge to the Green Bay Facility, upgrade of existing instrumentation and control system, replacement of electrical motor control centers, addition of new grit removal system, and new anoxic zone mixers in the aeration basins.

The Selmer Company has completed all work in accordance with the contract documents and is ready for close out and final payment. The following is a summary of project cost:

Original Contract Amount:	$ 14,198,000.00
Contract Amendments:	$ 1,394,920.86
Total Contracted Amount:	$ 15,592,920.86

Recommendation

Staff recommends Commission approval to close out Contract No. 2009-01 De Pere and Green Bay Facility Upgrades and issue final payment to The Selmer Company in the amount of $53,546.44.

Commission Action

Request Commission approval to close out Contract No. 2009-01 De Pere and Green Bay Facility Upgrades and issue final payment of $53,546.44 to The Selmer Company.

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Monthly Construction Progress Report
FINAL

Project Name: De Pere and Green Bay Facility Upgrades
Project Number: 2009-001
Report Number: 34 - Final
Reporting Period: January 12, 2012 through February 10, 2012
Project Manager: William Angoli

Contractor: The Selmer Company

Contract Cost

	Amount
Original Contract Sum:	$14,198,000.00
Net Change by Change Orders:	$1,394,920.86
Contract Sum to Date:	$15,592,920.86
Total Complete and Stored to Date:	$15,592,920.86
Retainage:	$53,546.44
Total Earned Less Retainage:	$15,539,374.42
Previous Payments:	$15,389,899.42
Payment	$149,475.00
Balance to Finish with Retainage:	$53,546.44

Contract Time

	Date
Original Substantial Completion:	August 31, 2010
Original Contract Completion:	December 9, 2010
Revised Substantial Completion:	January 29, 2011
Revised Final Completion:	June 1, 2011
Actual Substantial Completion:	February 23, 2011
Actual Final Completion:	January 31, 2012

Contract Milestones

Do milestones apply? Yes

If yes, list:

Original Completion Dates

MLW Milestone 1 Completion:	January 8, 2010
WAS Milestone 2 Completion:	April 9, 2010

Actual Completion Dates

MLW Milestone 1 Completion:	January 18, 2010
WAS Milestone 2 Completion:	May 14, 2010

Contract Contingency
Authorized Amount: $1,401,082.62 Amount Used: $1,394,920.86

Work Progress
Contract Budget Spent: 99% Contract Work Completed: 100%

Work Accomplished During Reporting Period
Contractor has submittal all documentation for project closeout.

Work Scheduled for Next Reporting Period
None.

Outstanding Issues
None.

Issues Resolved

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Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commissioners
Tom Sigmund

FROM: Nathan Qualls

DATE: February 8, 2012

SUBJECT: Contract No. 2009-011 North Basin Complex Gate Replacement Project – Contract Close Out and Final Payment

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Background

On September 14, 2009, the Commission awarded the North Basin Complex Gate Replacement Project, contract 2009-011 to J.F. Ahern Co. in the amount of $1,992,000 and a 5% contingency of $99,000 for a total project amount of $2,091,000. The Commission agreed to increase the contingency on August 23, 2010 and January 26, 2011 for $78,190 and $22,324, respectively, for a total project amount of $2,191,514. These increases were requested to cover costs associated with additional channel lining, additional concrete rehabilitation, and wet-weather clean-up and lining repair work associated with storm events during construction.

The work performed under this contract included:

- Replacement of 27 existing stop gates and two existing control weirs in the conveyance channels of the Green Bay Facility (GBF) North Complex
- Addition/modification of 20 stop log locations in conveyance channels of GBF North Complex
- Repair of channel lining after new gate and stop log installation in GBF North Complex
- Installation of one new stop gate and replacement of two stop logs in GBF South Complex

J.F. Ahern Co. has completed all work in accordance with the contract documents and is ready for close out and final payment. The following is a summary of project cost:

Original Contract Amount:	$ 1,992,000.00
Contract Amendments:	$ 170,106.00
Total Contracted Amount:	$ 2,162,106.00

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Recommendation

Staff recommends Commission approval to close out Contract No. 2009-011 North Basin Complex Gate Replacement Project and issue final payment to J.F. Ahern Co. in the amount of $18,915.00.

Commission Action

Request Commission approval to close out Contract No. 2009-011 North Basin Complex Gate Replacement Project and issue final payment of $18,915.00 to J.F. Ahern Co.

Attachment

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Monthly Construction Progress Report
FINAL

Project Name: North Basin Complex Gate Replacement Project
Project Number: 2009-011
Report Number: 18 - FINAL
Reporting Period: January 13 to February 8, 2012
Project Manager: Nathan Qualls

Contractor: J.F. Ahern, Co.

Contract Cost		**Contract Time**	
	Amount		Date
Original Contract Sum:	$1,992,000.00	Original Substantial Completion:	11/23/2011
Net Change by Change Orders:	$170,106.00	Original Contract Completion:	1/22/2012
Contract Sum to Date:	$2,162,106.00	Revised Substantial Completion:	NA
Total Complete and Stored to Date:	$2,162,106.00	Revised Final Completion:	NA
Retainage:	$15,000.00	Actual Substantial Completion:	5/2/2011
Total Earned Less Retainage:	$2,147,106.00	Actual Final Completion:	
Previous Payments:	$2,143,191.00		
Balance to Finish with Retainage:	$18,915.00	**Contract Milestones**	
		Do milestones apply?	No
		If yes, list:	

Contract Contingency
Authorized Amount: $199,514.00 Amount Used: $170,106.00

Work Progress
Contract Budget Spent: 99% Contract Work Completed: 100%

Work Accomplished During Reporting Period
None.

Work Scheduled for Next Reporting Period
Finalize contract close-out documentation and issue final payment upon Commission approval.

Outstanding Issues
None.

Issues Resolved
None.

Return to Agenda

Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commissioners
Tom Sigmund

FROM: John Kennedy

DATE: February 10, 2012

SUBJECT: Update on 2011 changes to the Ambient Water Quality Monitoring Program

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The Green Bay Metropolitan Sewerage District's (GBMSD) Ambient Water Quality Monitoring Program (AWQMP) completed its 26th year of operation in 2011. The program was initially authorized in 1986. The primary purpose of the program has always been to collect appropriate environmental data from the receiving water to help us assess the overall impact of GBMSD's effluent discharge on the regional water resources. The secondary goal, compliant with the second half of GBMSD's Mission statement, is to collect data which may be important to the regional regulatory and research community, to help understand both short and long term water quality trends.

In 2009 the Commission authorized an expansion of the monitoring program. This was precipitated by the need to replace the 24 year old work boat, which had reached the end of its useful life. A new work boat was purchased which incorporated the lessons learned from the first 24 years of the program. The new vessel has allowed GBMSD to expand the study area of its existing AWQMP, as well as to provide professional services to other agencies and researchers who intend to conduct monitoring or research on Green Bay.

A PowerPoint presentation will be given by Tracy Valenta to highlight our experiences during the first year of implementation of the program expansion.

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Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commissioners
Tom Sigmund

FROM: William Angoli

DATE: February 6, 2012

SUBJECT: Electrical Generation Facility – Dual Fuel Upgrade

Background

In 2008 GBMSD reviewed the fuel options for standby emergency generators at the Green Bay Facility due to increased diesel fuel pricing. The engine generator options reviewed were as follows:

- Diesel Fuel Engine Generator – This system was reviewed originally because of the diesel fuel storage facility located on site for existing incineration system. An underground fuel oil line could be easily directed to the new generator facility at minimum cost. Cost per diesel fuel engine generator system was approximately $1,000,000 per unit.
- Natural Gas Engine Generator – This system would require an extension of the natural gas service line from the existing solids processing building and a regulator to reduce utility delivery service pressure. The cost of a natural gas engine generator system is approximately $1,500,000 per unit.
- Dual Fuel Engine Generator – This type of equipment starts and operates on 100% diesel fuel until specific engine temperatures are reached, and then the transition to dual fuel operation is made. At this point, 99% of the energy is derived from natural gas while the balance is diesel fuel. Also, the dual fuel engine generator system would require a higher pressure for the natural gas system, which will require a new line gas line to the generator facility. The cost for the dual fuel generator sets is approximately $2,000,000 per unit.

In discussion with the manufactures of the equipment, the maintenance cost for natural gas and diesel fuel systems would be very similar when operated under 1,000 hours per year. GBMSD's operating permit from the DNR limits the engine generator operation to 800 hours per year for each unit.

The engine generator systems were installed to be used primarily for emergency plant power. GBMSD is also qualified to operate the generators for limited hours for plant peak shaving and for load shaving under the WPS Response Rewards program. The engines were specified to be New Source Performance Standards and Maximum Achievable Control Technology compliant, which allows them to be operated both as emergency generators and in power agreements with the local utility. The number of hours each system would run per year for meeting GBMSD needs was less than 150 hours per unit, if emergency power is not required. With this minimal usage of the generation system, it was not cost effective to spend an additional $1,000,000 for natural gas engine generators or an additional $2,000,000 for dual fuel engine generators. As a result, staff selected the diesel fuel engine generator system.

Modifying Existing Engine Generators to Dual Fuel

The design engineer for the engine generator system contacted the manufacturer of the equipment to obtain cost for modifying the existing system to dual fuel. The manufacturer informed the designer that the present engine generators could not be upgraded to a dual fuel system.

Commission Action

No action required.

Return to Agenda

Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commission
Tom Sigmund

FROM: Michael Pierner

DATE: February 10, 2012

SUBJECT: Sewer Plan Approvals

Background

The Village of Bellevue and the Village of Howard have submitted requests for approval of sanitary sewer plans. A location map for each request is attached. The requests include the following:

- Village of Bellevue project A-12; GBMSD request 2012-02 includes 327 feet of 8-inch sewer to be installed along CTH GV (Monroe Road) to serve residential lands. Flow will be tributary to GBMSD's East River Bellevue Interceptor. The proposed sewer extension conforms to GBMSD standards.
- Village of Howard project 09013; GBMSD request 2012-03 includes 2,904 feet of 6, 8 and 12-inch sewer to be installed in the Lone Grove Avenue and Memorial Drive area. The proposed sewers will replace existing sewers and continue to serve existing development. This proposed work is required to accommodate Highway 41 expansion. The proposed sewer extension conforms to GBMSD standards.

Recommendation

GBMSD staff recommends Commission approval of the Village of Bellevue and Village of Howard plans for the proposed sewers to serve lands located within GBMSD. These approvals are subject to favorable approval recommendations from Brown County Planning and final approval by the Wisconsin Department of Natural Resources.

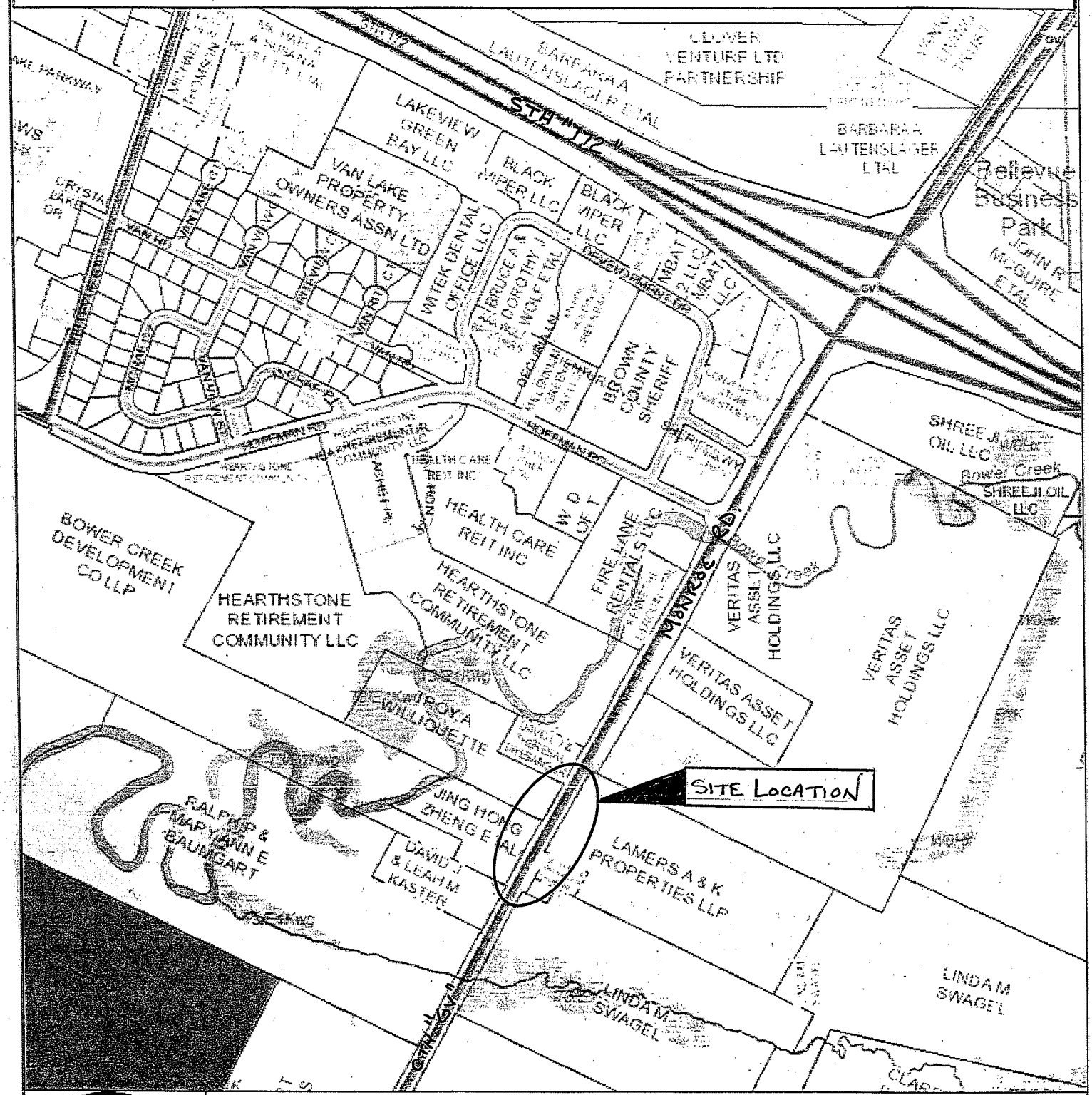
Commission Action

Request Commission approval of the Village of Bellevue and Village of Howard sewer plans.

Attachment
cc: P. McCarthy
File

Village of Bellevue - San. Sewer Ext.

Contract "A-12" - CTH "GV" (Monroe Rd.)/GBMSD Req. 2012-02



Map of Brown County, Wisconsin provided by the
Planning & Land Services Department - Land Information Office (LIO)
This map is intended for advisory purposes only. It is based on sources believed to be reliable, but Brown County distributes this information on an "As Is" basis. No warranties are implied.

01/31/2012

BEAVER DAM CREEK SEWER RELOCATION

SANITARY SEWER RELOCATION

VILLAGE OF HOWARD

BROWN COUNTY, WISCONSIN

VILLAGE PROJECT NO. 09013

MARCH, 2012

PROFILE
FILE
ROFILE

G. B. M. S. D. PLAN APPROVAL

REQUEST NO. GBMSD 2012-03

PROJECT NO. Village of Howard #09013

EXAMINED BY Mike Piernoe/Pat Reinhart DATE 2/2/12

APPROVED BY G.B.M.S.D. COMMISSION

MOTION NO. # DATE 2/22/12

PROJECT UTILITIES CONTACTS:

WISCONSIN PUBLIC SERVICE CORP (ELECTRIC)
2850 S. ASHLAND AVE.
GREEN BAY, WI 54307--9002
ATTENTION: MIKE TILOT
(920) 450--7260

WISCONSIN PUBLIC SERVICE CORP (GAS)
2850 S. ASHLAND AVE.
GREEN BAY, WI 54307--9002
ATTENTION: JERRY PEOT
(920) 617--5127

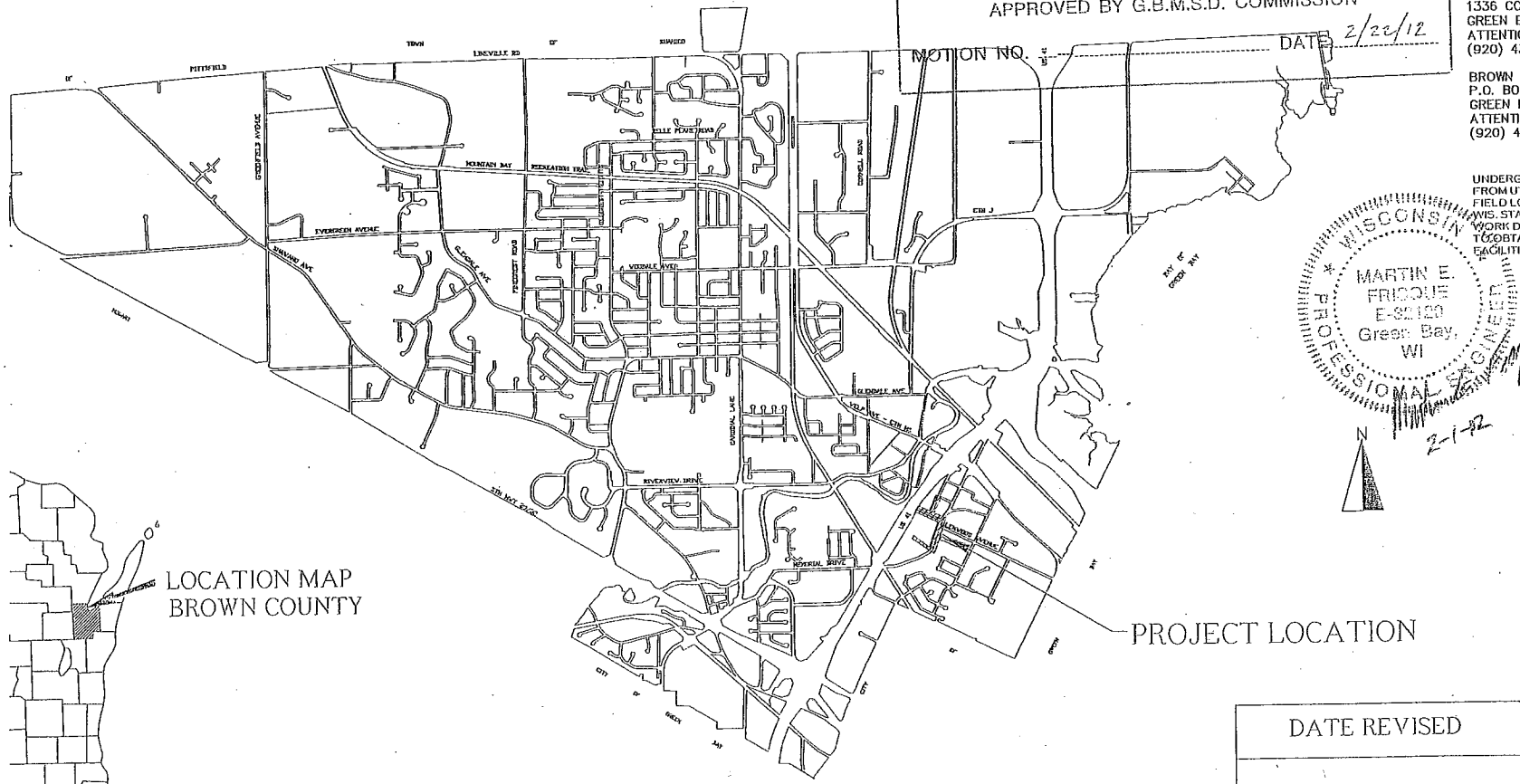
AT&T
P.O. BOX 10
205 S JEFFERSON ST
GREEN BAY, WI 54301
ATTENTION: ERIC ADAIR
(920) 433--4155

TIME WARNER CABLE
1001 KENNEDY DR.
KIMBERLY, WI 54136
ATTENTION: VINCE ALBIN
(920) 831--9249 OR
1--800--236--1704 (CUSTOMER SERVICE)

VILLAGE OF HOWARD
ENGINEERING/WATER & SEWER DEPT.
1336 CORNELL RD.
GREEN BAY, WI 54313
ATTENTION: PAUL F. EVERT
(920) 434--4060

BROWN COUNTY SURVEYOR
P.O. BOX 23600
GREEN BAY, WI 54303--3600
ATTENTION: PAT FORD
(920) 448--6222

UNDERGROUND UTILITIES SHOWN ON PLANS ARE TAKEN FROM UTILITY COMPANIES RECORD DRAWINGS OR PRELIMINARY FIELD LOCATES.
WIS. STATUTES 182.0175 (1974) REQUIRES MINIMUM OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES CALL DIGGER'S HOTLINE 1-800-242-8511 TOLL FREE.



PROJECT LOCATION

LOCATION MAP
BROWN COUNTY

WISCONSIN
MARTIN E. FRISQUE
E-32120
Green Bay, WI
PROFESSIONAL ENGINEER
2-1-12

N

ORIGINAL PLANS PREPARED BY
VILLAGE OF HOWARD ENGINEERING DEPT.
1336 CORNELL RD., GREEN BAY, WI 54313
(920) 434--4060

DATE _____ SIGNATURE _____

APPROVED FOR
VILLAGE OF HOWARD

PUBLIC WORKS DIRECTOR

VILLAGE ENGINEER

DATE REVISED

Return to Agenda

Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commission
Tom Sigmund

FROM: Bruce Bartel

DATE: February 10, 2012

SUBJECT: Resource Recovery and Electrical Energy (R2E2) Project Update

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Background

As of February 10, 2012, there have been no additional comments submitted on the R2E2 Project. Public comments are being accepted through February 14.

The Request for Proposal (RFP) for the R2E2 Project is being reviewed by GBMSD Staff. The RFP will be sent out to consultants on February 15.

An editorial written by the Green Bay Press-Gazette editorial staff appeared in the Green Bay Press-Gazette on February 2, 2012. The editorial is attached. Overall, the editorial was in support of the project, but there were some inaccuracies. The inaccuracies are as follows:

1. *Paragraph #2: "The average residential customer is expected to pay an additional $130 - $200 per year to help pay for the project…"*
    a. *Correction: The project will be paid for through GBMSD's municipal wholesale rate. Based on current conditions, GBMSD anticipates its wholesale rate will increase about 9% each year until 2016. GBMSD does not bill residents and businesses directly for treatment service so rates will vary from municipality to municipality.*
2. *Paragraph #3: "They studied 70 different processes worldwide, met with representatives…"*
    a. *Correction: GBMSD staff and consultants look at 73 different processes from all over the world. Over time, the process alternatives were narrowed down to 17, to 6, and then the R2E2 Project.*
3. *Paragraph #4: "It's a project that will be launched later this year and completed in 2014."*
    a. *Correction: GBMSD will begin design in mid-2012 and start construction in 2014. GBMSD anticipates the new system will be on line by the end of 2016/early 2017.*

An external stakeholders committee is being formed. The first meeting will be scheduled for late February or early March. The plan is to meet with this committee on a quarterly basis and keep them updated and informed on the progress of R2E2 Project.

Commission Action

No action is required.

Return to Agenda

Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commissioners
Tom Sigmund

FROM: John Kennedy

DATE: February 10, 2012

SUBJECT: Air Permit Status Update

The Green Bay Metropolitan Sewerage District (GBMSD) received a Letter of Noncompliance (LON) from the Department of Natural Resources (DNR) on March 3, 2011 due to opacity exceedances on two occasions and failure to comply with the 8-hour 950^{o} F secondary chamber permit limit on 20 occasions. Subsequent correspondence and a meeting held April 5, 2011 led to GBMSD's final response letter to DNR on April 19, 2011.

The response letter described the reasons for the two opacity exceedances, which were both related to malfunctions resulting in opening of the emergency bypass damper. This only happens in an emergency situation to avoid serious injury to GBMSD employees or damage to the incinerators or related equipment. Whenever the bypass damper is opened, GBMSD staff evaluates the event and makes any corrections possible to avoid future occurrences.

The violations related to the secondary chamber temperature have been an ongoing problem since that limit was added to GBMSD's Title V permit in 2008. The 8-hour 950^{o} F temperature limit was added to serve as a surrogate designed to ensure that the dioxin toxicity equivalents (TEQs) standard is met. In GBMSD's response letter and at the meeting on April 5, 2011, GBMSD argued that the 8-hour temperature limit is unduly restrictive, and does not equate to a violation of the annual NR 445 standard for dioxin TEQs.

GBMSD's response letter of April 19, 2011 recommended evaluation of an alternative approach for demonstration of compliance with the dioxin TEQ standard. The main issue involved the DNR's concern that dioxin could be formed within the stack gas whenever temperatures dropped below 950^{o}F. GBMSD had demonstrated compliance during normal operation (i.e. secondary chamber temperature above 950^{o} F) by conducting stack tests in 2007. During discussions on April 5, 2011 the option of confirming compliance during non-normal operations could be demonstrated by testing during an incinerator shut down procedure, when the secondary chamber temperature drops from ~ 950^{o} F to below 400^{o} F.

A two step response was suggested. First, GBMSD would conduct a thorough review of the literature to ascertain whether emission factors from other sewage sludge incinerators during shut down procedures had been identified. GBMSD contracted with Cambridge Environmental Inc.,

of Cambridge, Massachusetts, to conduct this effort. Cambridge Environmental's report, though useful in many respects, did not provide evidence that such testing had been done anywhere.

The next step was to explore whether stack testing could be performed during a shut down procedure on one of GMBSD's incinerators to develop a site specific emission factor for dioxin TEQs. Working with GBMSD's air consultant, SEH, Inc., and the air testing firm of Environmental Technology & Engineering Corporation, a testing protocol was developed and submitted to the DNR. GBMSD received approval of the stack test protocol in July 2011.

Stack testing for dioxin TEQs was performed on GBMSD Incinerator #1 on August 16, 2011. The rationale for additional emissions testing during a shutdown period centered on the concept that an emission factor derived from this testing could be used to estimate dioxin TEQ emissions during periods when the temperature of the secondary chamber is below 950^{o} F and above 400^{o} F (the temperature range during which dioxin formation is thought to occur). Mass emissions estimates during these time periods could be added to the emissions calculated using the emission factor as determined from the 2007 test applied to tons of sludge burned to calculate total daily dioxin TEQ emissions. These values could then be measured against the annual standard to determine compliance.

However, results from the recent stack test indicate that the dioxin TEQ emissions are so low during shut down conditions that they add an insignificant quantity to the total emission rate previously demonstrated under normal operations. These results support the contention that total dioxin emissions from GBMSD are well below the NR 445 annual emission threshold, and therefore the current secondary chamber minimum temperature limit 950^{o} F in the Title V permit should be removed.

GBMSD has instructed its air permit consultant, SEH Inc., to prepare a permit modification application to formalize this request to the DNR. A final closeout letter from the original March 3, 2011 LON is expected from the DNR after it receives GBMSD's permit modification request, assuming that the DNR agree with the requested modification.

Return to Agenda

Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commission
Tom Sigmund

FROM: Patrick Wescott

DATE: February 10, 2012

SUBJECT: January Effluent Quality & Air Quality Summary Reports

CC: Bruce Bartel – Treatment
Mike Erschnig – Maintenance

Effluent Quality

Both facilities were in full compliance with all effluent limits for January. The De Pere Facility tied a record low for Total Suspended Solids (TSS) with a daily average concentration of 1.0 mg/L and for TSS daily average discharge of 45 lbs/day. The De Pere Facility also set a new all time effluent discharge low for total TSS discharge for a month at 1,380 lbs.

Air Quality

The Green Bay Facility was in compliance with all air quality limits for the month of January and did not have any events which would have resulted in a "Deviation Notification" submittal to the Wisconsin Department of Natural Resources.

Return to Agenda

EFFLUENT QUALITY - CURRENT YEAR 2012

GBMSD - GREEN BAY FACILITY

Permit Limits: 30 mg/L N/A 25 mg/L 1.0 mg/L

Ammonia Limits
Jan-Apr. Monthly Avg = 15 mg/L
May-Sept Monthly Avg = 4.7 mg/L Weekly Avg = 13 mg/L
October Monthly Avg =14 mg/L Weekly Avg = 38 mg/L
Nov-Dec. Monthly Avg. = 26 mg/L

	FLOW		TSS			T-BOD			C-BOD			T. PHOSPHORUS			AMMONIA			TKN		
MONTH	Million Gallons	MGD	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month
JAN	812.487	26.21	4.6	1,008	31,234	4.4	972	30,119	2.7	582	18,056	0.27	59	1,842	0.05	10	314	1.30	284	8,814
FEB																				
MAR																				
APR																				
MAY																				
JUN																				
JUL																				
AUG																				
SEP																				
OCT																				
NOV																				
DEC																				
Average	812.487	26.21	4.6	1,008	31,234	4.4	972	30,119	2.7	582	18,056	0.27	59	1,842	0.05	10	314	1.30	284	8,814
Total	812.487				31,234			30,119			18,056			1,842			314			8,814
All time record best(s) ->			**2.0**	**425**	**13,187**	**2.0**	**336**	**10,267**	**2.0**	**329**	**9,223**	**0.11**	**27**	**803**	**0.02**	**4**	**128**	**1.06**	**241**	**7,294**

The effluent quality was in compliance with all of the above permit parameters for January 2012.

EFFLUENT QUALITY - CURRENT YEAR 2011

GBMSD - GREEN BAY FACILITY

Permit Limits: 30 mg/L N/A 25 mg/L 1.0 mg/L

Ammonia Limits
Jan-Apr. Monthly Avg = 15 mg/L
May-Sept Monthly Avg = 4.7 mg/L Weekly Avg = 13 mg/L
October Monthly Avg =14 mg/L Weekly Avg = 38 mg/L
Nov-Dec. Monthly Avg. = 26 mg/L

	FLOW		TSS			T-BOD			C-BOD			T. PHOSPHORUS			AMMONIA			TKN		
MONTH	Million Gallons	MGD	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month
JAN	780.873	25.19	5.2	1,089	33,771	5.5	1,152	35,712	2.8	584	18,115	0.23	47	1,466	0.24	51	1,593	1.65	346	10,726
FEB	763.415	27.26	4.9	1,106	30,965	5.6	1,281	35,875	3.2	731	20,461	0.16	37	1,029	0.53	120	3,364	2.18	495	13,872
MAR	1,135.759	36.64	8.3	2,544	78,859	9.2	2,806	86,985	4.8	1,467	45,492	0.20	62	1,932	1.83	560	17,349	3.31	1,013	31,390
APR	1,618.202	53.94	5.6	2,616	78,476	6.3	2,866	85,993	4.0	1,837	55,106	0.15	69	2,063	0.28	115	3,436	1.42	630	18,906
MAY	1,096.579	35.37	4.8	1,417	43,917	5.1	1,521	47,148	3.4	1,010	31,319	0.16	46	1,437	0.09	28	875	1.27	375	11,640
JUN	1,102.511	36.75	4.5	1,371	41,136	3.7	1,134	34,028	2.2	676	20,273	0.18	59	1,768	0.09	26	790	1.18	360	10,801
JUL	981.869	31.67	4.4	1,158	35,906	3.3	875	27,134	2.4	619	19,175	0.62	167	5,189	0.13	35	1,092	1.31	346	10,719
AUG	933.851	30.12	3.0	750	23,251	2.8	695	21,539	2.1	535	16,595	0.36	91	2,816	0.11	28	876	1.20	302	9,349
SEP	836.461	27.88	3.4	797	23,901	2.8	660	19,809	2.2	512	15,352	0.41	95	2,838	0.11	26	791	1.19	276	8,288
OCT	847.756	27.35	3.1	698	21,635	3.1	704	21,837	2.0	459	14,228	0.35	79	2,457	0.09	22	674	1.06	242	7,498
NOV	968.820	32.29	5.2	1,434	43,008	4.7	1,297	38,923	2.4	657	19,718	0.28	73	2,180	0.10	26	778	1.07	292	8,753
DEC	905.820	29.22	6.4	1,561	48,406	5.3	1,298	40,253	3.1	753	23,356	0.39	94	2,899	0.04	10	307	1.39	339	10,512
Average	997.660	32.81	4.9	1,378	41,936	4.8	1,357	41,270	2.9	820	24,933	0.29	77	2,340	0.30	87	2,660	1.52	418	12,705
Total	11,971.916				503,231			495,236			299,190			28,074			31,925			152,454
All time record best(s) ->			**2.0**	**425**	**13,187**	**2.0**	**336**	**10,267**	**2.0**	**329**	**9,223**	**0.11**	**27**	**803**	**0.02**	**4**	**128**	**1.06**	**241**	**7,294**

Return to Agenda

EFFLUENT QUALITY - CURRENT YEAR 2012

GBMSD - DE PERE FACILITY

Permit Limits: 10 mg/L N/A 9.0 mg/L 1.0 mg/L

Ammonia Limits
Jan-Mar. Monthly Avg = 27 mg/L Daily Max = 34 mg/L
April Monthly Avg = 24 mg/L Daily Max = 34 mg/L
May-Oct Monitor only
Nov-Dec. Monthly Avg. = 31 mg/L Daily Max = 34 mg/L

	FLOW		TSS			T-BOD			C-BOD			T. PHOSPHORUS			AMMONIA			TKN		
MONTH	Million Gallons	MGD	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month
JAN	164.961	5.32	1.0	45	1,380	5.8	257	7,967	3.9	172	5,333	0.12	5	168	2.82	125	3,882	3.70	165	5,101
FEB																				
MAR																				
APR																				
MAY																				
JUN																				
JUL																				
AUG																				
SEP																				
OCT																				
NOV																				
DEC																				
Average	164.961	5.32	1.0	45	1,380	5.8	257	7,967	3.9	172	5,333	0.12	5	168	2.82	125	3,882	3.70	165	5,101
Total	164.961				1,380			7,967			5,333			168			3,882			5,101
All time record best(s) ->			**1.0**	**45**	**1,380**	**2.0**	**116**	**3,607**	**2.0**	**118**	**3,549**	**0.05**	**3**	**83**	**0.02**	**1**	**41**	**1.13**	**64**	**1,978**

The effluent quality was in compliance with all of the above permit parameters for January 2012.

EFFLUENT QUALITY - CURRENT YEAR 2011

GBMSD - DE PERE FACILITY

Permit Limits: 10 mg/L N/A 9.0 mg/L 1.0 mg/L

Ammonia Limits
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	FLOW		TSS			T-BOD			C-BOD			T. PHOSPHORUS			AMMONIA			TKN		
MONTH	Million Gallons	MGD	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month	Ave mg/L	Ave #/Day	Total #/Month
JAN	218.829	7.06	1.7	98	3,034	3.4	202	6,252	2.7	158	4,909	0.20	12	373	0.99	58	1,808	2.47	145	4,507
FEB	204.125	7.29	1.0	62	1,729	2.6	145	4,495	2.3	142	3,971	0.12	7	196	0.02	1	41	1.16	64	1,978
MAR	322.086	10.39	1.3	115	3,572	3.9	342	10,597	3.1	267	8,271	0.19	16	509	1.00	86	2,674	1.84	160	4,948
APR	419.771	13.99	1.9	238	7,132	4.7	559	16,767	3.5	420	12,601	0.10	11	344	1.49	172	5,172	2.05	237	7,120
MAY	265.332	8.56	1.1	81	2,503	3.7	257	7,979	2.5	175	5,438	0.08	6	190	2.29	150	4,662	2.95	199	6,154
JUN	269.584	8.99	1.0	80	2,403	3.1	224	6,733	2.3	169	5,082	0.21	14	435	2.39	162	4,846	3.20	222	6,650
JUL	235.276	7.59	1.8	112	3,476	3.3	211	6,532	2.6	161	4,980	0.38	24	750	1.88	122	3,776	2.91	187	5,793
AUG	212.535	6.86	1.1	63	1,951	2.2	126	3,912	2.1	120	3,724	0.24	13	418	0.18	11	328	1.32	75	2,329
SEP	213.245	7.11	1.0	60	1,795	2.3	133	4,003	2.1	122	3,647	0.22	13	385	0.11	6	185	1.29	76	2,267
OCT	220.962	7.13	1.5	92	2,843	4.7	279	8,656	4.4	261	8,083	0.25	14	439	1.03	62	1,915	2.13	127	3,949
NOV	186.521	6.22	1.9	111	3,335	7.2	414	12,433	6.5	372	11,166	0.18	9	280	1.50	83	2,498	2.85	153	4,602
DEC	164.527	5.31	1.0	45	1,390	4.5	198	6,145	3.5	153	4,742	0.14	6	193	2.52	108	3,343	3.21	138	4,291
Average	244.399	8.04	1.4	96	2,930	3.8	258	7,875	3.1	210	6,385	0.19	12	376	1.28	85	2,604	2.28	149	4,549
Total	2,932.793				35,163			94,504			76,614			4,512			31,248			54,588
All time record best(s) ->			**1.0**	**45**	**1,390**	**2.0**	**116**	**3,607**	**2.0**	**118**	**3,549**	**0.05**	**3**	**83**	**0.02**	**1**	**41**	**1.13**	**64**	**1,978**

INCINERATOR EMISSIONS REPORT - CURRENT YEAR 2012

GBMSD - GREEN BAY FACILITY

Incinerator #1 - System Operating Parameters Assessment

	Incinerator Parameters											CEMS Parameters			Scrubber Parameters	
	Monthly Run Time (%)	12 Month Average Run Time (Hrs/Month)	Maximum Wet Lbs / Hr Sludge	Maximum Dry Tons / Hr Sludge	Evaporation Lbs / Hr Water			Maximum Hearth Temp. (°F)	Average Secondary Temp. (°F)	Average Oxygen %	Average Opacity %	Corrected Average THC (ppm)	Data Capture %	Monthly Hours on Line	Total Scrubber Δ P " WC	Pre- Cooler Temperature (°F)
					Maximum	Days Above Maximum	Average									
Control Point	NA	≤ 638 (1)	(2)	(3)	< 8,800 (4)	NA	8,800 (3)	2124 (3)	≥ 950 (5)	≤ 9.2 (6)	< 20 (7)	< 100 (8)	> 90 (9)	NA	> 16.7 (6)	< 200
January	72%	604	11,021	1.036	8,688	0	7,962	1,596	1,059	4.49	3.61	6.30	92.4%	535	20.30	163
February																
March																
April																
May																
June																
July																
August																
September																
October																
November																
December																

Incinerator #2 System Operating Parameters Assessment

	Incinerator Parameters											CEMS Parameters			Scrubber Parameters	
	Monthly Run Time (%)	12 Month Average Run Time (Hrs/Month)	Maximum Wet Lbs / Hr Sludge	Maximum Dry Tons / Hr Sludge	Evaporation Lbs / Hr Water			Maximum Hearth Temp. (°F)	Average Secondary Temp. (°F)	Average Oxygen %	Average Opacity %	Corrected Average THC (ppm)	Data Capture %	Monthly Hours on Line	Total Scrubber Δ P " WC	Pre- Cooler Temperature (°F)
					Maximum	Days Above Maximum	Average									
Control Point	NA	≤ 638 (1)	(2)	(3)	8,800 (4)	NA	< 8,800 (3)	2074 (3)	≥ 950 (5)	≤ 8.3 (6)	< 20 (7)	< 100 (8)	> 90 (9)	NA	> 14.4 (6)	< 200
January	79%	585	11,180	1.191	8,763	0	7,949	1,608	1,092	5.67	5.78	4.50	94.8%	590	19.17	165
February																
March																
April																
May																
June																
July																
August																
September																
October																
November																
December																

Key Notes

(1) - Twelve (12) month rolling average
(2) - Wet solids throughput will vary based on the variance in dry cake % solids.
(3) - Hourly average
(4) - Seven (7) day rolling average. Used to calculate #'s of CO emitted factor.
(5) - Eight (8) hour average
(6) - Daily average
(7) - Three (3) minute average
(8) - Monthly average
(9) - Annual average

Return to Agenda

Memorandum

Green Bay Metropolitan Sewerage District
Cleaning Water Today For Tomorrow's Generations

TO: Commissioners

FROM: Tom Sigmund

DATE: February 10, 2012

SUBJECT: February Commission Meeting – Executive Director's Report

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a) The March Commission meeting will be held on Wednesday, March 28, 2012, beginning at 8:30 a.m.

b) I will provide a verbal report on key items from the NACWA 2012 Winter Conference.

c) Attached are revised GBMSD 2012 goals with measures.

Attachment