

**REPORT ON  
WASTE WATER COLLECTION AND TREATMENT  
USER CHARGE SYSTEM  
(REVIEW EXISTING SEWER RATE ORDINANCE NO.8250 AND RECOMMENDATIONS)**

**PREPARED FOR  
THE CITY OF GRANITE CITY, ILLINOIS**

JOB NO. E150202

June 15, 2015

PREPARED BY:





## Juneau Associates, Inc., P.C.

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June 15, 2015  
Job No. E150202

Mayor and City Council  
City of Granite City  
2000 Edison Avenue  
Granite City, Illinois 62040

Re: Report on Waste Water Collection and Treatment User Charge System  
(Review existing sewer rate Ordinance No.8250 and recommendations)

Ladies and Gentlemen:

We wish to submit herewith our review on the existing sewer rate Ordinance No.8250 and recommendations to update the User Charge Ordinance for the City of Granite City.

We appreciate the opportunity to prepare this report for the City.

Please call on us to explain any phase of the report, and to present the report to you at your convenience.

Respectfully submitted,

JUNEAU ASSOCIATES, INC., P.C.

Charles E. Juneau, P.E., P.L.S.

Enclosure

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**CHAPTER 1**  
**CONCLUSIONS AND RECOMMENDATIONS**

The City of Granite City presently is collecting sewer user fees based on Sewer User Charge Ordinance No. 8250 (June 2011), establishing rates and charges of users in the City of Granite City, Illinois for the treatment of sewage. The conclusions of this study indicate the following:

1. The Ordinance No.8250 set the sewer user charge rate for August 2012 and after.

		8/1/2011-7/31/2012				8/1/2012-on		
		Minimum	Over 4500 gal.			Minimum	Over 4500 gal.	
		Cost/Mo.	Cost per	Cost per		Cost/Mo.	Cost per	Cost per
	Allocation	4500 gal.	1000 gal.	100 cu.ft.	Allocation	4500 gal.	1000 gal.	100 cu.ft.
1. Administration	2%	\$0.26	\$0.06	\$0.04	3%	\$0.28	\$0.06	\$0.04
2. Capital Improvement	9%	\$1.16	\$0.26	\$0.19	10%	\$1.28	\$0.28	\$0.21
3. Sewer O,M&R	27%	\$3.47	\$0.77	\$0.58	28%	\$3.83	\$0.85	\$0.64
4. Sewage Treatment	48%	\$6.16	\$1.37	\$1.02	49%	\$6.82	\$1.51	\$1.13
5. Debt Service	14%	\$1.80	\$0.40	\$0.30	10%	\$1.99	\$0.45	\$0.34
Total/month	100%	<b>\$12.85</b>	<b>\$2.85</b>	<b>\$2.13</b>	100%	<b>\$14.20</b>	<b>\$3.15</b>	<b>\$2.36</b>
% of Increase						10.51%		

2. The waste water collection cost and shared cost of the Granite City Regional Waste Water Treatment Plant have been increased over years.
3. Granite City has several outstanding long term debt services for sewer system improvements, and significant expenditures for capital improvement in and after 2009.
4. The annual revenue collected from user charges was much less than total costs to operate the wastewater collection and treatment system.

After reviewing the data regarding wastewater flow, loading cost, water usage, city budgets, and after studying the Illinois EPA requirements for a Sewer Use Ordinance and User Charge System, the following are recommended:

1. The City revises the current Sewer Use Charge Ordinance to maintain sufficient funds to meet the O,M&R requirements of the sewer system.
2. The proposed sewer user charge rates are as follows:

**Table 7-3 Proposed Sewer User Charge Rate**

	8/1/2015-7/31/2016				8/1/2016-7/31/2017			
		Minimum	Over 4500 gal.			Minimum	Over 4500 gal.	
	Allocation	Cost/Mo.	Cost per	Cost per	Allocation	Cost/Mo.	Cost per	Cost per
	T.6-5	4500 gal.	1000 gal.	100 cu.ft.	T.6-5	4500 gal.	1000 gal.	100 cu.ft.
1. Administration	2%	\$0.45	\$0.10	\$0.07	2%	\$0.46	\$0.10	\$0.08
2. Capital Improvement and Replacement Reserve	11%	\$2.06	\$0.46	\$0.34	11%	\$2.12	\$0.47	\$0.35
3. Sewer O,M&R	19%	\$3.44	\$0.76	\$0.57	19%	\$3.54	\$0.79	\$0.59
4. Sewage Treatment	59%	\$10.66	\$2.37	\$1.77	60%	\$11.16	\$2.48	\$1.85
5. Debt Service	8%	\$1.39	\$0.31	\$0.23	7%	\$1.39	\$0.31	\$0.23
Total/month	100%	<b>\$18.00</b>	<b>\$4.00</b>	<b>\$2.99</b>	100%	<b>\$18.67</b>	<b>\$4.15</b>	<b>\$3.10</b>
% of Increase		26.76%				3.72%		

	8/1/2017-7/31/2018				8/1/2018-7/31/2019			
		Minimum	Over 4500 gal.			Minimum	Over 4500 gal.	
	Allocation	Cost/Mo.	Cost per	Cost per	Allocation	Cost/Mo.	Cost per	Cost per
	T.6-5	4500 gal.	1000 gal.	100 cu.ft.	T.6-5	4500 gal.	1000 gal.	100 cu.ft.
1. Administration	2%	\$0.47	\$0.11	\$0.08	2%	\$0.49	\$0.11	\$0.08
2. Capital Improvement and Replacement Reserve	11%	\$2.19	\$0.49	\$0.36	11%	\$2.25	\$0.50	\$0.37
3. Sewer O,M&R	19%	\$3.64	\$0.81	\$0.61	19%	\$3.75	\$0.83	\$0.62
4. Sewage Treatment	60%	\$11.68	\$2.60	\$1.94	61%	\$12.22	\$2.72	\$2.03
5. Debt Service	7%	\$1.39	\$0.31	\$0.23	7%	\$1.39	\$0.31	\$0.23
Total/month	100%	<b>\$19.37</b>	<b>\$4.30</b>	<b>\$3.22</b>	100%	<b>\$20.10</b>	<b>\$4.47</b>	<b>\$3.34</b>
% of Increase		3.75%				3.77%		

The projection of revenues and expenditures based on the new rate structure is

		FY2016	FY2017	FY2018	FY2019
Projected Revenue	Table 7-5,6,7,8	\$5,263,333	\$5,455,511	\$5,656,295	\$5,865,683
Projected Expenditure (Depreciation cost excluded)	Table 6-5	\$5,234,716	\$5,432,240	\$5,638,603	\$5,854,214
Projected Revenue Over Expenditure		\$28,617	\$23,271	\$17,692	\$11,469

3. **Surcharges**

Over the last nine (9) fiscal years the treatment costs of BOD and TSS at the WWTP fluctuated with low \$0.1586 and high \$0.2532 per lb. of BOD, and low \$0.1969 and high \$0.3073 per lb. of TSS. See Table 7-4.

The current surcharge rates for BOD (\$0.18 per lb.) and TSS (\$0.19 per lb.) can not cover the treatment costs. It is recommended to increase the surcharge rates to cover the BOD and TSS treatment costs:

**Table 7-5 Proposed BOD and TSS Surcharge Rate**

	Current per lb.	Proposed Rate Per lb			
	8/1/2012-on	8/1/2015-7/31/2016	8/1/2016-7/31/2017	8/1/2015-7/31/2016	8/1/2016-7/31/2017
BOD in excess of 200 mg/L	\$0.18	<b>\$0.23</b>	<b>\$0.24</b>	<b>\$0.25</b>	<b>\$0.26</b>
% of Increase		27.78%	4.35%	4.17%	4.00%
TSS in excess of 250 mg/L	\$0.19	<b>\$0.22</b>	<b>\$0.24</b>	<b>\$0.26</b>	<b>\$0.28</b>
% of Increase		15.79%	9.09%	8.33%	7.69%

## **CHAPTER 2**

### **PURPOSE**

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#### **2.1 INTRODUCTION**

The city of Granite City currently collects a User Charge from all Granite City residential, commercial, and industrial users of their Publicly Owned Treatment Works (POTW) for Operation, Maintenance, Replacement (O,M,&R), and Billing, specifically, and solely for treatment of wastewater at the Regional Wastewater Treatment Plant. All funds collected via this User Charge are deposited into an Enterprise Fund (Sewer Treatment Plant Fund 70) to be expended solely for treatment and disposal of sewage at the Wastewater Treatment Plant.

All Operation, Maintenance, Replacement, and Debt Service costs associated with the sanitary, combined, and separate storm collection systems are included in the sewer user charges. All collection system O,M,&R work is currently, and has been in the past, performed by the City's Street Department, or by private contracts issued by the City Council.

In accordance with both Federal EPA and State IEPA grant and low interest loan requirements, the City of Granite City must establish and maintain a system of User Charges, to assure that each recipient of wastewater treatment services will pay their proportionate share of the costs of operations and maintenance (including replacement) of all transportation and treatment services provided by the city of Granite City. These charges must be reviewed annually and revised if necessary to reflect the actual costs experienced by the collection and treatment systems of Granite City.

The current user charge was established by the Ordinance No.8250 (June 2011).

#### **2.2 PURPOSE**

This report was prepared to review the existing user charge system which is based on the 2009's report "An Amendment of 2003 Report" dated April 2010, and to propose necessary changes to the existing Ordinance No.8250 of the sewer user charge system.

The purpose of this report is to present the study results of the Granite City's wastewater collection and treatment operations, costs, and users. The study consists of the preparation of a report outlining the steps taken to investigate, analyze and recommend a sewer user rate policy to meet the requirements of the City of Granite City. The report will make recommendations for the revision of the User Charge System that will comply with the IEPA rules and regulations.

This report is based on a study which was conducted to define the costs and the basis of cost allocations for City sewer system users.

The engineering services provided by Juneau Associates, Inc., P.C. and the study scope are as follows:

1. Review of previous reports on wastewater collection and treatment, and user charge systems.
2. Review of City audit expenses and revenues of sewer collection and treatment system over previous five (5) fiscal years (FY2010, FY2011, FY2012, FY2013, and FY2014).
3. Update tables in 2009's report to include data from the past five fiscal years.
4. Make rate adjustment recommendations.

## CHAPTER 3

### IEPA REQUIREMENTS FOR SEWER USE ORDINANCE AND USER CHARGES

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#### 3.1 GENERAL

Under the requirements and regulations by the Illinois Environmental Protection Agency (IEPA) (Ref. Chapter II, 365.920, 35 Illinois Administrative Code Sub Title C. Amended at 20 Ill. Re. 788, effective January 1, 1996), the City of Granite City is required to establish and maintain a system of User Charges to assure that each recipient of wastewater treatment services will pay their proportionate share of the cost of operation, maintenance, and replacement of treatment works within the of Granite City service area.

The system of User Charges developed must meet the requirement of the IEPA, and be written in the form of a Sewer Use Ordinance for adoption and enforcement by the City Council, because the City has received IEPA grant and loan funds in the past and desires to increase financial assistance from IEPA in the future.

#### 3.2 USER CHARGE SYSTEM REQUIREMENTS

In accordance with these regulations, the City of Granite City has been required to establish a User Charge System, and to maintain this system. This system is to result in the distribution of all costs of operation and maintenance, including replacement, in proportion to each user's contribution to the total wastewater loading of the regional treatment plant and sewer system. The basis for determining this contribution will include wastewater strength, volume, and delivery flow rate characteristics when applicable.

The User Charge System is required to generate sufficient revenues to offset the cost of all operation and maintenance. It must also include a charge to provide funds for replacement of equipment which is necessary during the service life of the treatment plant and city's sewer system to maintain capacity and performance for which the system was designed and constructed. Another requirement is that this User Charge System be reviewed annually and revised periodically to reflect actual O,M,&R costs.

The City of Granite City must have a User Charge System that is updated and meets the requirements of the IEPA in order to receive grant and low interest funding for sewer system improvements and repairs.

#### 3.3 HISTORICAL GRANITE CITY SEWER RATE ORDINANCES

Table 3-1 is a summary of historical user charge ordinances. Table 3-2 is a list of historical sewer user charge ordinances and rates. Table 3-3 is the current user charge rates.

**Table 3-1 History of User Charge System**

	Date	Ordinance No.	Users
1	12/22/1975	3284	Residential
2	11/28/1978	3555	Residential
			Industrial
3	12/14/1978	3558	Non-resident user
			(Added outside city capital recovery charges)
4	1/9/1981	3752	Non-resident user
			(Special Service Area No.1 Added delinquent debt services)
5	3/13/1982	3878	Industrial, pre-treatment BOD and TSS surcharge
6	7/25/1983	3925	Residential Commercial, Industrial
7	10/24/1986	4129	Residential
			(Added debt service)
			Commercial, Industrial BOD and TSS surcharge
8	5/17/1994	4823	Residential
			(Removed debt service)
			Commercial, Industrial BOD and TSS surcharge
9	3/2/2004	7738	Residential
			Commercial, Industrial BOD and TSS surcharge
10	6/7/2011	8250	Residential
			Commercial, Industrial BOD and TSS surcharge
11	7/5/2011	8253	Sewer connection fee

**Table 3-2 List of Sewer User Charge Ordinances**

1. Ordinance No. 3284 (December 22, 1975)  
All residential users: Fixed \$6.00 per quarter
  
2. Ordinance No. 3555 (November 28, 1978)  
All users: Fixed \$13.00 per quarter  
Quarter Rate per 100 cu.ft. for Residential Users:

	Treatment	Sewer Billing	Debt Service	Total
First 2,100 cu.ft.	\$0.334	\$0.125	\$0.16	\$0.62
Next 36,900 cu.ft.	\$0.334	\$0.125	\$0.16	\$0.62
Next 39,000 cu.ft.	\$0.334	\$0.125	\$0.14	\$0.60
Over 78,000 cu.ft.	\$0.334	\$0.125	\$0.12	\$0.58
Flat Rate	\$7.01	\$2.63	\$3.36	\$13.00

  
U.S. Army:  
All quantities: \$0.215 Treatment \$0.005 Sewer Billing \$0.280 Debt Service \$0.22 Total  
Quarter Rate per 100 cu.ft. for Industrial and All Others:

First 2,100 cu.ft.	\$0.334	\$0.005	\$0.280	\$0.619
Next 36,900 cu.ft.	\$0.334	\$0.005	\$0.280	\$0.619
Next 39,000 cu.ft.	\$0.334	\$0.005	\$0.260	\$0.599

Next 81,000 cu.ft.	\$0.334	\$0.005	\$0.240	\$0.579
Next 81,000 cu.ft.	\$0.334	\$0.005	\$0.210	\$0.549
Next 162,000 cu.ft.	\$0.334	\$0.005	\$0.190	\$0.529
Next 1,098,000 cu.ft.	\$0.334	\$0.005	\$0.140	\$0.479
Next 1,500,000 cu.ft.	\$0.334	\$0.005	\$0.090	\$0.429
Flat Rate	\$7.01	\$0.11	\$5.88	\$13.00

Surcharges:

Surcharge for BOD in excess of concentration 200 mg/L:  
\$50.00/1,000 lbs of BOD  
Surcharge for TSS in excess of concentration 250 mg/L:  
\$60.00/1,000 lbs of TSS

3. Ordinance No. 3558 (December 14, 1978)

Additional Capital Recovery Charges For Non-Residential Users

All residential users: Surcharge of \$10.00 per quarter per residential unit

Commercial or industrial users: be established by the City Council from time to time with reference to each individual user, taking into account the quality and quantity of sewage discharged to and to be treated by the City Sewer Plant.

4. Ordinance No. 3752 (January 9, 1981)

Delinquent Debt-Service Recovery Fee for Non-Resident Users

(Special Service Area No.1)

All residential users: \$5.00 per quarter per residential unit

Commercial or industrial users: be established by the City Council from time to time with reference to each individual user, taking into account the quality and quantity of sewage discharged to and to be treated by the City Sewer Plant.

5. Ordinance No. 3878 (March 13, 1982)

- a. Equipment Costs (One-time equipment user charge)
- b. Administration Costs of operation of the industrial pretreatment program: \$0.04/100 cu.ft.
- c. Sampling and Analytical Costs
- d. Other Fees: Industrial user discharge permit fee \$200.00

6. Ordinance No. 3925 (July 25, 1983)

Minimum Charge to be applied to all users:

Minimum Charge per quarter = \$18.00/user (beginning 8/1/1983)

Quarter Rate per 100 cu.ft:

	5/1/83-7/31/83	8/1/83
First 2,100 cu.ft.	\$0.74	\$0.86
Next 36,900 cu.ft.	\$0.74	\$0.86
Next 39,000 cu.ft.	\$0.71	\$0.83
Next 81,000 cu.ft.	\$0.69	\$0.80
Next 81,000 cu.ft.	\$0.65	\$0.76
Next 162,000 cu.ft.	\$0.63	\$0.73
Next 1,098,000 cu.ft.	\$0.57	\$0.66
Next 1,500,000 cu.ft.	\$0.51	\$0.59

Surcharges:

Surcharge for BOD in excess of concentration 200 mg/L:  
\$170.00/1,000 lbs of BOD  
Surcharge for TSS in excess of concentration 250 mg/L:  
\$80.00/1,000 lbs of TSS

7. Ordinance No. 4129 (October 24, 1986)

All users: Minimum \$18.00 per quarter

Quarter Rate per 100 cu.ft. for Residential Users:

	Treatment	Sewer Billing	Debt Service	Total
First 2,100 cu.ft.	\$0.57	\$0.125	\$0.16	\$0.86
Next 36,900 cu.ft.	\$0.57	\$0.125	\$0.16	\$0.86
Next 39,000 cu.ft.	\$0.57	\$0.125	\$0.14	\$0.84
Over 78,000 cu.ft.	\$0.57	\$0.125	\$0.12	\$0.82
Flat Rate	\$12.00	\$2.60	\$3.40	\$18.00
Quarter Rate per 100 cu.ft. for Industrial and All Others:				
First 2,100 cu.ft.	\$0.57	\$0.005	\$0.280	\$0.86
Next 36,900 cu.ft.	\$0.57	\$0.005	\$0.280	\$0.86
Next 39,000 cu.ft.	\$0.57	\$0.005	\$0.260	\$0.84
Next 81,000 cu.ft.	\$0.57	\$0.005	\$0.240	\$0.82
Next 81,000 cu.ft.	\$0.57	\$0.005	\$0.210	\$0.79
Next 162,000 cu.ft.	\$0.57	\$0.005	\$0.190	\$0.77
Next 1,098,000 cu.ft.	\$0.57	\$0.005	\$0.140	\$0.72
Next 1,500,000 cu.ft.	\$0.57	\$0.005	\$0.090	\$0.67
Flat Rate	\$12.00	\$0.10	\$5.90	\$18.00
Surcharges:				
Surcharge for BOD in excess of concentration 200 mg/L: \$170.00/1,000 lbs of BOD				
Surcharge for TSS in excess of concentration 250 mg/L: \$80.00/1,000 lbs of TSS				

8. Ordinance No. 4823 (Approved by Mayor on May 17, 1994)

Minimum Charge to be applied to all users: Minimum Charge per quarter = \$18.00/user

Quarter Rate per 100 cu.ft. for Residential Users:

	Treatment	Sewer Billing	Total
First 2,100 cu.ft.	\$0.73	\$0.125	\$0.86
Next 36,900 cu.ft.	\$0.73	\$0.125	\$0.86
Next 39,000 cu.ft.	\$0.709	\$0.125	\$0.83
Over 78,000 cu.ft.	\$0.68	\$0.125	\$0.80
Flat Rate	\$15.40	\$2.60	\$18.00

Quarter Rate per 100 cu.ft. for Industrial and All Others:

	Treatment	Sewer Billing	Total
First 2,100 cu.ft.	\$0.85	\$0.005	\$0.86
Next 36,900 cu.ft.	\$0.85	\$0.005	\$0.86
Next 39,000 cu.ft.	\$0.825	\$0.005	\$0.83
Next 81,000 cu.ft.	\$0.80	\$0.005	\$0.83
Next 81,000 cu.ft.	\$0.76	\$0.005	\$0.83
Next 162,000 cu.ft.	\$0.729	\$0.005	\$0.83
Next 1,098,000 cu.ft.	\$0.66	\$0.005	\$0.83
Next 1,500,000 cu.ft.	\$0.589	\$0.005	\$0.83
Flat Rate	\$17.90	\$0.10	\$18.00

Surcharges:

Surcharge for BOD in excess of concentration 200 mg/L: \$170.00/1,000 lbs of BOD  
Surcharge for TSS in excess of concentration 250 mg/L: \$80.00/1,000 lbs of TSS

9. Ordinance No. 7738 (March 2, 2004)

(a) Fixed rate applied to all single family residences:

\$9.50/user/month	from 5/1/2004 to 4/30/2005
\$10.50/user/month	from 5/1/2005 to 4/30/2006
<b>\$11.50/user/month</b>	<b>from 5/1/2006</b>

(b) Commercial users, industrial users, mobile home parks, and all multiple family dwellings shall be charged the larger of the following:

- (1) Either the following fixed rate per month per unit where usage is equal or less than 4,500 gallons for the month; or
- (2) the following cost per 1,000 gallons for all water consumption or metered sewer usage.

Effective Date	Min. Cost/month	Cost/100 cu.ft.	Cost/1,000 gallons
5/1/2004-4/30/2005	\$9.50	\$1.58	\$2.10
5/1/2005-4/30/2006	\$10.50	\$1.74	\$2.33
5/1/2006-4/30/2007	\$11.50	\$1.91	\$2.55

Sewer User Charge Allocation:

	5/1/04-4/30/05		5/1/05-4/30/06		5/1/06-4/30/07	
	Cost/Mo.	Cost/Mo.	Cost/Mo.	Cost/Mo.	Cost/Mo.	Cost/Mo.
	4500 gal.	1000 gal.	4500 gal.	1000 gal.	4500 gal.	1000 gal.
1. Administration	\$0.76	\$0.17	\$0.82	\$0.18	\$0.90	\$0.20
2. Capital Improvement	1.26	0.28	1.40	0.31	1.53	0.34
3. Sewer O,M&R	1.85	0.41	2.07	0.46	2.25	0.50
4. Sewage Treatment	4.41	0.98	4.86	1.08	5.31	1.18
5. Debt Service	1.22	0.27	1.35	0.30	1.49	0.33
Total/month	\$9.50	\$2.11	\$10.50	\$2.33	\$11.48	\$2.55

Surcharges:

Surcharge for BOD in excess of concentration 200 mg/L:	\$0.14/lb of BOD
Surcharge for TSS in excess of concentration 250 mg/L:	\$0.15/lb of SS

**Table 3-3 Current User Charge System**

10. Ordinance No. 8250 (June 7, 2011)

- (a) Fixed rate applied to all single family residences:
 

\$12.85/user/month	from 8/1/2011 to 7/31/2012
\$14.20/user/month	from 8/1/2012 - on
- (b) Commercial users, industrial users, mobile home parks, and all multiple family dwellings shall be charged the larger of the following:
  - (1) Either the following fixed rate per month per unit where usage is equal or less than 4,500 gallons for the month; or
  - (2) the following cost per 1,000 gallons for all water consumption or metered sewer usage.

Effective Date	Min. Cost/month	Cost/100 cu.ft.	Cost/1,000 gallons
8/1/2011-7/31/2012	\$12.85	\$2.13	\$2.85
8/1/2012 - on	\$14.20	\$2.36	\$3.15

Sewer User Charge Allocation:

		8/1/2011-7/31/2012				8/1/2012-on		
		Minimum	Over 4500 gal.			Minimum	Over 4500 gal.	
		Cost/Mo.	Cost per	Cost per		Cost/Mo.	Cost per	Cost per
	Allocation	4500 gal.	1000 gal.	100 cu.ft.	Allocation	4500 gal.	1000 gal.	100 cu.ft.
1. Administration	2%	\$0.26	\$0.06	\$0.04	3%	\$0.28	\$0.06	\$0.04
2. Capital Improvement	9%	\$1.16	\$0.26	\$0.19	10%	\$1.28	\$0.28	\$0.21
3. Sewer O,M&R	27%	\$3.47	\$0.77	\$0.58	28%	\$3.83	\$0.85	\$0.64
4. Sewage Treatment	48%	\$6.16	\$1.37	\$1.02	49%	\$6.82	\$1.51	\$1.13
5. Debt Service	14%	\$1.80	\$0.40	\$0.30	10%	\$1.99	\$0.45	\$0.34
Total/month	100%	<b>\$12.85</b>	<b>\$2.85</b>	<b>\$2.13</b>	100%	<b>\$14.20</b>	<b>\$3.15</b>	<b>\$2.36</b>
% of Increase						10.51%		

Surcharges:

Surcharge for BOD in excess of concentration 200 mg/L

Surcharge for TSS in excess of concentration 250 mg/L

Effective Date	BOD/lb.	TSS/lb.
8/1/2011-7/31/2012	\$0.16	\$0.17
8/1/2012 - on	\$0.18	\$0.19

11. Ordinance No. 8253 (July 5, 2011)

Building Sewers and Connections

Connection Permit Fees:

Residential	\$250.00
Commercial	\$500.00
Industrial	\$1,000.00

12. Ordinance No. 8401 (December 18, 2013)

Industrial Pretreatment Program to include 19 significant industrial users (SIU) discharging an average of 25,000 gallons or more of process wastewater per day to Granite City Wastewater Treatment Plant.

Administrative Charge:	\$0.10 per 100 cu.ft.
Sampling and Site Inspection Costs:	\$120.00 per sampling visit or follow-up visit
Annual Inspection Costs:	\$480.00
Compliance Study Costs:	\$500.00 per day
Permit Fee:	\$400.00

## CHAPTER 4

### EXISTING WASTEWATER COLLECTION AND TREATMENT SYSTEMS

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#### 4.1 GENERAL

Pursuant to an intergovernmental cooperation agreement originally agreed to in April 1984 between the Granite City, MESD, Glen Carbon and Madison County, the wastewater treatment plant began to accept and treat wastewater from the MESD, Glen Carbon and MCSSA#1. The participants have agreed to purchase wastewater treatment services from the City at rates and charges established by the Granite City Regional Treatment Board. The shared amount of flow and loadings by each of four wastewater contributors to the treatment plant is allocated based on the actual recorded flow, BOD and suspended solids for each year of operations. The superintendent of the Regional Wastewater Treatment Plant, and Regional Board members consisting of each regional wastewater treatment participant representatives, meet annually to review each participant's wastewater contribution, the wastewater treatment plant budget and actual expenses. The Regional Board then makes recommendations to the Granite City Council concerning the annual treatment plant budget and other matters relating to the wastewater treatment plant.

#### 4.2 NAMEOKI AREA

The Nameoki Area sewer system was rehabilitated in 2009 funded by the IEPA Water Pollution Control Loan Program (L171639). The rehabilitation project includes video inspection and cured-in-place lining of about 2,261 feet of 15" sewer, 1,217 feet of 12" sewer, 6,942 feet of 10" sewer, 30,533 feet of 8" sewer, and 85 manholes.

Wastewater from the Nameoki sewer system is discharged into the West Granite sewer system through four sewerage lift stations: No.1 (old No.6), No.2 (old No.5), No.4 (old No.3), and No.13 (old No.1).

#### 4.3 WEST GRANITE AREA

The 84", 96" and 108" interceptor sewers located in the west side of the City collect sewage flows from Granite City, Glen Carbon, MESD and MCSSA#1. A portion of the West Granite Area sewer system and interceptor sewers were rehabilitated in 2013 funded by the IEPA Water Pollution Control Loan Program (L174113).

The collected sewage is discharged to the Granite City Regional Wastewater Treatment Plant.

#### 4.4 WASTEWATER TREATMENT PLANT

The Regional Wastewater Treatment Plant is designed for reduction of both BOD and suspended solids at influent concentrations of 300 mg/l and 550 mg/l respectively in the influent to meet NPDES requirement. The design average daily flow is 23 MGD. The

design peak hydraulic capacity of the plant is 34.5 MGD. In addition, the plant contains units for treatment of excess storm water. In periods of wet weather the sewers in Granite City transport both sanitary waste and storm water to the wastewater treatment plant. The combined overflow treatment system treats excess flow when the total flow in the sewers exceeds the design hydraulic capacity of the treatment plant. The combined capacity of the secondary treatment plant and the bypass treatment system is 230 MGD. The Combined Overflow Tank (COT) system design capacity is 195.5 MGD.

**CHAPTER 5**  
**WASTEWATER FLOWS AND BILLING**

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**5.1 GENERAL**

The water usage has decreased over the in last few years along with the population of Granite City.

US Census 1990	32,862
US Census 2000	31,301
US Census 2010	29,849
US Census 2012 Estimate	29,545

**5.2 PRESENT WASTEWATER FLOW AND LOADING**

The Granite City Regional Wastewater Treatment Plant receives wastewater from the City of Granite City, Glen Carbon, Metro East Sewer District, and Madison County Sanitary Service Area No.1. The monthly sewage flows collected by the Regional WWTP over the last seven (7) fiscal years are shown in Table 5-1 based on the data of the Granite City Regional WWT Board reports.

The Granite City flow and loadings over the last eight (8) fiscal years is shown in Table 5-2. The flow includes infiltration/inflow.

**Table 5-2 Granite City Wastewater Flow and Loadings to WWTP**

	Flow (gal.)	BOD, lbs	TSS, lbs
FY2007	1,375,527,000	6,194,441	3,406,810
FY2008	1,340,515,000	5,431,722	3,983,219
FY2009	1,895,441,250	6,948,239	2,869,641
FY2010	2,545,617,000	6,527,042	3,973,455
FY2011	2,273,678,000	5,381,277	4,244,757
FY2012	1,718,054,000	4,605,864	3,151,688
FY2013	1,278,654,000	5,617,673	2,826,939
FY2014	1,500,719,000	7,066,693	3,695,931
<i>Average</i>	<i>1,741,026,000</i>	<i>5,972,000</i>	<i>3,519,000</i>

The Granite City Regional Board reviews and approves the cost sharing every year. The Table 5-3 shows the cost sharing percentages of Granite City based contributions of flow, BOD, and TSS in last eight (8) fiscal years.

**Table 5-3 Wastewater Treatment Cost Shared by Granite City**

Parameter cost per unit	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014
Flow /1000 gal.	\$0.32	\$0.33	\$0.26	\$0.20	\$0.21	\$0.30	\$0.45	\$0.37
BOD/lb.	\$0.18	\$0.20	\$0.16	\$0.18	\$0.20	\$0.25	\$0.25	\$0.21
TSS/lb.	\$0.11	\$0.21	\$0.23	\$0.20	\$0.20	\$0.26	\$0.31	\$0.24
% of total cost Shared by Granite	55.05%	52.55%	44.43%	50.36%	51.58%	47.81%	52.14%	52.76%

**Table 5-1 Regional WWTP Flow (gallons) Contributed by Users**

<b>FY2006</b>	<b>Granite City</b>	<b>Glen Carbon</b>	<b>MESD</b>	<b>MCSSA#1</b>	<b>Total</b>
May 05	109,195,000	38,013,000	82,898,000	38,454,000	268,560,000
Jun. 05	141,921,000	32,452,000	110,564,000	42,213,000	327,150,000
Jul. 05	127,568,000	32,041,000	57,458,000	29,963,000	247,030,000
Aug. 05	184,580,000	32,821,000	65,816,000	34,343,000	317,560,000
Sep. 05	190,652,000	36,249,000	75,161,000	37,818,000	339,880,000
Oct. 05	108,608,000	33,353,000	63,288,000	32,671,000	237,920,000
Nov. 05	125,843,000	32,772,000	66,331,000	33,734,000	258,680,000
Dec. 05	99,174,000	35,722,000	63,335,000	34,429,000	232,660,000
Jan. 06	107,463,000	38,214,000	72,491,000	36,102,000	254,270,000
Feb. 06	86,777,000	33,551,000	63,035,000	31,697,000	215,060,000
Mar. 06	113,983,000	40,904,000	83,269,000	37,414,000	275,570,000
Apr. 06	95,671,000	36,053,000	108,439,000	35,627,000	275,790,000
Annual	1,491,435,000	422,145,000	912,085,000	424,465,000	3,250,130,000
Avg. Mo.	124,286,250	35,178,750	76,007,083	35,372,083	270,844,167
<b>FY2007</b>	<b>Granite City</b>	<b>Glen Carbon</b>	<b>MESD</b>	<b>MCSSA#1</b>	<b>Total</b>
May 06	114,966,000	36,445,000	95,305,000	35,104,000	281,820,000
Jun. 06	126,905,000	34,474,000	63,993,000	34,598,000	259,970,000
Jul. 06	113,195,000	35,216,000	73,160,000	34,459,000	256,030,000
Aug. 06	104,549,000	32,540,000	59,141,000	32,700,000	228,930,000
Sep. 06	100,567,000	30,755,000	61,769,000	30,729,000	223,820,000
Oct. 06	133,298,000	31,740,000	70,389,000	32,753,000	268,180,000
Nov. 06	136,648,000	35,118,000	78,394,000	39,110,000	289,270,000
Dec. 06	84,519,000	33,710,000	68,370,000	33,461,000	220,060,000
Jan. 07	126,430,000	43,814,000	95,775,000	48,101,000	314,120,000
Feb. 07	82,484,000	32,412,000	83,722,000	37,292,000	235,910,000
Mar. 07	147,978,000	42,010,000	123,545,000	42,077,000	355,610,000
Apr. 07	103,988,000	41,233,000	152,118,000	44,101,000	341,440,000
Annual	1,375,527,000	429,467,000	1,025,681,000	444,485,000	3,275,160,000
Avg. Mo.	114,627,250	35,788,917	85,473,417	37,040,417	272,930,000

<b>FY2008</b>	<b>Granite City</b>	<b>Glen Carbon</b>	<b>MESD</b>	<b>MCSSA#1</b>	<b>Total</b>
May 07	114,219,000	39,527,000	153,113,000	43,721,000	350,580,000
Jun. 07	98,557,000	34,486,000	100,416,000	35,751,000	269,210,000
Jul. 07	109,372,000	32,417,000	78,694,000	33,687,000	254,170,000
Aug. 07	87,968,000	28,332,000	84,702,000	31,068,000	232,070,000
Sep. 07	97,229,000	29,018,000	65,059,000	28,844,000	220,150,000
Oct. 07	98,811,000	31,154,000	80,992,000	29,953,000	240,910,000
Nov. 07	89,412,000	30,416,490	67,287,000	27,204,510	214,320,000
Dec. 07	88,266,000	34,877,500	67,610,000	21,936,500	212,690,000
Jan. 08	102,823,000	34,877,500	69,325,000	28,554,500	235,580,000
Feb. 08	133,031,000	34,877,500	113,797,000	50,214,500	331,920,000
Mar. 08	183,447,000	82,015,000	190,953,000	57,585,000	514,000,000
Apr. 08	137,380,000	56,244,300	115,085,000	39,490,700	348,200,000
Annual	1,340,515,000	468,242,290	1,187,033,000	428,009,710	3,423,800,000
Avg. Mo.	111,709,583	39,020,191	98,919,417	35,667,476	285,316,667

<b>FY2009</b>	<b>Granite City</b>	<b>Glen Carbon</b>	<b>MESD</b>	<b>MCSSA#1</b>	<b>Total</b>
May 08	219,668,000	31,558,000	185,020,000	130,374,000	566,620,000
Jun. 08	190,058,000	22,642,000	206,788,000	97,752,000	517,240,000
Jul. 08	243,136,000	30,257,000	211,835,000	74,272,000	559,500,000
Aug. 08	149,910,250	23,579,000	121,537,750	54,523,000	349,550,000
Sep. 08	244,116,000	22,957,000	158,917,000	83,390,000	509,380,000
Oct. 08	103,227,000	21,881,000	75,760,000	48,072,000	248,940,000
Nov. 08	97,850,000	27,323,000	65,993,000	35,124,000	226,290,000
Dec. 08	133,782,000	34,175,000	94,455,000	50,278,000	312,690,000
Jan. 09	105,430,000	35,288,000	92,244,000	45,758,000	278,720,000
Feb. 09	141,659,000	37,633,000	148,137,000	53,881,000	381,310,000
Mar. 09	111,118,000	39,692,000	137,734,000	54,376,000	342,920,000
Apr. 09	155,487,000	50,379,000	142,397,000	79,647,000	427,910,000
Annual	1,895,441,250	377,364,000	1,640,817,750	807,447,000	4,721,070,000
Avg. Mo.	157,953,438	31,447,000	136,734,813	67,287,250	393,422,500

<b>FY2010</b>	<b>Granite City</b>	<b>Glen Carbon</b>	<b>MESD</b>	<b>MCSSA#1</b>	<b>Total</b>
May 09	203,733,000	55,561,000	190,249,000	91,227,000	540,770,000
Jun. 09	232,845,000	41,938,000	178,618,000	74,219,000	527,620,000
Jul. 09	171,470,000	36,880,000	123,724,000	53,856,000	385,930,000
Aug. 09	164,469,000	32,472,000	124,242,000	44,547,000	365,730,000
Sep. 09	186,983,000	30,301,000	91,601,000	46,075,000	354,960,000
Oct. 09	336,270,000	57,014,000	227,009,000	128,027,000	748,320,000
Nov. 09	223,569,000	41,056,000	195,238,000	92,247,000	552,110,000
Dec. 09	294,486,000	59,775,000	238,349,000	115,330,000	707,940,000
Jan. 10	186,100,000	43,165,750	209,590,000	88,204,250	527,060,000
Feb. 10	155,951,000	41,100,000	114,753,000	70,736,000	382,540,000
Mar. 10	170,597,000	43,607,000	195,091,000	70,775,000	480,070,000
Apr. 10	219,144,000	47,678,000	167,718,000	77,570,000	512,110,000
Annual	2,545,617,000	530,547,750	2,056,182,000	952,813,250	6,085,160,000
Avg. Mo.	212,134,750	44,212,313	171,348,500	79,401,104	507,096,667

<b>FY2011</b>	<b>Granite City</b>	<b>Glen Carbon</b>	<b>MESD</b>	<b>MCSSA#1</b>	<b>Total</b>
May 10	316,955,000	51,015,000	227,516,000	113,144,000	708,630,000
Jun. 10	190,279,000	42,720,000	196,559,000	79,832,000	509,390,000
Jul. 10	311,823,000	35,219,000	258,883,000	74,573,000	680,498,000
Aug. 10	206,914,000	32,556,000	226,597,000	60,776,000	526,843,000
Sep. 10	178,370,000	36,952,000	175,750,000	60,546,000	451,618,000
Oct. 10	125,583,000	30,870,000	112,408,000	44,219,000	313,080,000
Nov. 10	182,712,000	33,872,000	58,810,000	57,510,000	332,904,000
Dec. 10	117,152,000	36,067,000	81,229,000	49,161,000	283,609,000
Jan. 11	105,841,000	35,136,000	68,042,000	44,081,000	253,100,000
Feb. 11	148,721,000	48,751,000	110,121,000	69,489,000	377,082,000
Mar. 11	156,840,000	46,833,000	129,597,000	74,123,000	407,393,000
Apr. 11	232,488,000	55,530,000	200,368,000	99,770,000	588,156,000
Annual	2,273,678,000	485,521,000	1,845,880,000	827,224,000	5,432,303,000
Avg. Mo.	189,473,167	40,460,083	153,823,333	68,935,333	452,691,917
<b>FY2012</b>	<b>Granite City</b>	<b>Glen Carbon</b>	<b>MESD</b>	<b>MCSSA#1</b>	<b>Total</b>
May 11	217,906,000	46,570,000	192,435,000	85,892,000	542,803,000
Jun. 11	278,378,000	42,587,000	245,470,000	100,506,000	666,941,000
Jul. 11	249,990,000	34,572,000	219,068,000	90,206,000	593,836,000
Aug. 11	133,413,000	27,715,000	143,837,000	47,665,000	352,630,000
Sep. 11	115,852,000	26,579,000	93,403,000	38,881,000	274,715,000
Oct. 11	100,553,000	24,348,000	58,747,000	33,584,000	217,232,000
Nov. 11	118,818,000	28,638,000	64,546,000	40,361,000	252,363,000
Dec. 11	117,193,000	36,226,000	83,933,000	45,898,000	283,250,000
Jan. 12	86,792,000	35,704,000	69,246,000	45,749,000	237,491,000
Feb. 12	69,223,000	37,440,000	67,698,000	49,018,000	223,379,000
Mar. 12	94,671,000	40,473,000	82,291,000	54,605,000	272,040,000
Apr. 12	135,265,000	44,518,000	108,435,000	86,014,000	374,232,000
Annual	1,718,054,000	425,370,000	1,429,109,000	718,379,000	4,290,912,000
Avg. Mo.	143,171,167	35,447,500	119,092,417	59,864,917	357,576,000

<b>FY2013</b>	<b>Granite City</b>	<b>Glen Carbon</b>	<b>MESD</b>	<b>MCSSA#1</b>	<b>Total</b>
May 12	76,430,000	32,200,000	76,850,000	43,570,000	229,050,000
Jun. 12	99,135,000	28,435,000	51,019,000	41,951,000	220,540,000
Jul. 12	93,005,000	26,304,000	49,927,000	39,754,000	208,990,000
Aug. 12	137,624,000	28,068,000	60,170,000	39,295,000	265,157,000
Sep. 12	117,013,000	26,569,000	60,588,000	36,083,000	240,253,000
Oct. 12	98,015,000	29,317,000	54,304,000	38,534,000	220,170,000
Nov. 12	81,441,000	24,775,000	46,657,000	33,408,000	186,281,000
Dec. 12	81,676,000	28,886,000	54,572,000	36,364,000	201,498,000
Jan. 13	99,955,000	28,547,000	61,933,000	37,476,000	227,911,000
Feb. 13	100,278,000	35,693,000	68,290,000	47,746,000	252,007,000
Mar. 13	83,624,000	41,145,000	85,089,000	53,975,000	263,833,000
Apr. 13	210,458,000	53,318,000	159,700,000	82,688,000	506,164,000
Annual	1,278,654,000	383,257,000	829,099,000	530,844,000	3,021,854,000
Avg. Mo.	106,554,500	31,938,083	69,095,833	44,237,000	251,821,167
<b>FY2014</b>	<b>Granite City</b>	<b>Glen Carbon</b>	<b>MESD</b>	<b>MCSSA#1</b>	<b>Total</b>
May 13	152,905,000	53,825,000	196,563,000	91,707,000	495,000,000
Jun. 13	253,421,000	53,909,000	206,216,000	106,480,000	620,026,000
Jul. 13	167,299,000	42,167,000	152,404,000	78,429,000	440,299,000
Aug. 13	101,771,000	25,960,000	62,596,000	37,793,000	228,120,000
Sep. 13	91,221,000	24,925,000	56,120,000	32,254,000	204,520,000
Oct. 13	93,056,000	26,820,000	57,945,000	33,349,000	211,170,000
Nov. 13	80,470,000	28,151,000	57,885,000	44,444,000	210,950,000
Dec. 13	77,301,000	29,133,000	59,731,000	51,514,000	217,679,000
Jan. 14	107,432,000	33,626,000	71,135,000	46,847,000	259,240,000
Feb. 14	80,066,000	31,188,000	59,918,000	47,188,000	218,360,000
Mar. 14	131,216,000	33,893,000	80,523,000	47,821,000	293,453,000
Apr. 14	164,561,000	51,937,000	78,801,000	70,445,000	365,744,000
Annual	1,500,719,000	435,734,000	1,139,837,000	688,271,000	3,764,561,000
Avg. Mo.	125,059,917	36,311,167	94,986,417	57,355,917	313,713,417

### 5.3 GRANITE CITY SEWER SYSTEM USERS

The user classes are identified by the City's billing system as commercial users (Zone 1), residential users (Zone 2), and industrial users (Zone 3) as shown in Table 5-4. The billing information for each user class is shown in Table 5-4.

**Table 5-4 Granite City Water/Sewer User Class**

	Zone 1: Commercial		Zone 2: Residential		Zone 3: Industrial		Total
	Users	Billed/Paid	Users	Billed	Users	Billed	Billed
FY2007 Billed	708	\$597,325.00	10,460	\$1,620,723.51	56	\$1,644,157.90	\$3,862,206
Payment		\$552,272.03		\$1,581,584.21		\$1,540,682.14	\$3,674,538
FY2008 Billed	641	\$519,331.90	10,439	\$1,616,437.29	42	\$1,280,523.95	\$3,416,293
Payment		\$518,484.21		\$1,603,006.40		\$1,415,479.85	\$3,536,970
FY2009 Billed	677	\$427,083.19	10,414	\$1,609,275.58	64	\$1,286,636.57	\$3,322,995
Payment		\$449,353.56		\$1,585,454.75		\$1,262,730.65	\$3,297,539
FY2010 Billed	671	\$436,974.09	10,404	\$1,820,998.58	31	\$1,281,615.43	\$3,539,588
Payment		\$418,922.30		\$1,677,637.80		\$1,425,035.10	\$3,521,595
FY2011 Billed	672	\$443,418.57	10,433	\$1,805,196.16	33	\$1,277,214.19	\$3,525,829
Payment		\$444,367.05		\$1,632,136.24		\$1,158,602.94	\$3,235,106
FY2012 Billed	531	\$626,718.39	10,465	\$1,916,107.71	34	\$1,624,486.04	\$4,167,312
Payment		\$446,404.38		\$1,873,619.45		\$1,588,874.67	\$3,908,899
FY2013 Billed	504	\$495,679.13	10,445	\$1,973,147.11	35	\$1,529,761.81	\$3,998,588
Payment		\$490,188.17		\$2,006,231.97		\$1,622,065.86	\$4,118,486
FY2014 Billed	686	\$491,643.17	10,390	\$2,018,487.79	35	\$1,985,167.37	\$4,495,298
Payment		\$482,206.50		\$2,008,296.74		\$1,702,065.14	\$4,192,568

Granite City has a Significant Industrial User (SIU) Pretreatment Program to include 19 industrial users in 2013. Based on data collected from Jan. 2008 to June 2013 the averaged monthly flow subject for pretreatment administrative charges (Ordinance No.3878) was 5,234,428 cu.ft.

**Table 5-5 Percentage of Usage and Loading by User Class**

	Usage	BOD5	TSS
Residential	38.49%	41.33%	85.43%
Commercial	15.47%		
Industrial	46.04%	58.67%	14.57%

**CHAPTER 6**  
**WASTEWATER COLLECTION AND TREATMENT COST ANALYSIS**

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**6.1 GENERAL**

In addition to establishing a charge to pay for Operation and Maintenance costs, the City of Granite City is also required to establish a charge to pay for replacement of equipment. Sufficient funds must be available through a reserve fund at all times during the service life of the treatment plant and sewer system to replace any equipment in order to assure its continued efficient performance and maintain the capacity for which it was designed and constructed.

**6.2 GRANITE CITY ENTERPRISE FUND REVENUES AND EXPENSES**

The Wastewater Treatment Plant and Sewer Systems Enterprise Funds account for all activities related to the billing, administration, and distribution and collection processes of the wastewater treatment plant. Table 6-1 shows the audited revenues and expenditures of the enterprise funds (Fund 70: Regional WWTP and Fund 71: sewer system) from the Annual Financial Reports in last eight (8) fiscal years.

As stated in the annual financial reports, the depreciation expense on capital assets is reported in the government-wide statement of activities and changes in net assets, but they do not require the use of current financial resources. Therefore depreciation expense is not reported as an expenditure in the governmental funds. The total expenses listed in the Table 6-1 exclude the depreciation expenses for using in the sewer rate study

The Granite City Regional Board reviews and approves the cost sharing every year. The Table 6-2 shows the wastewater treatment cost allocation for flows and pollutant loadings.

The revenues and costs of wastewater treatment provided by the Regional WWTP in last eight (8) fiscal years as shown in Table 6-3 are from the Regional Sewer Board Comptroller's Year-end Financial Reports. The revenues and expenses as shown in the Table 6-3 are not audited. The cost items "Construction Funds" are not included in the total expenses.

Table 6-1 Enterprise Fund Revenues and Expenses (Audited Annual Financial Reports)

	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014
<b>Revenues (Audited Annual Financial Reports)</b>								
Revenue (WWTP Fund 70 from 3 Regional Participants)	\$1,969,617	\$2,178,366	\$2,811,962	\$2,372,090	\$2,260,808	\$2,420,527	\$2,837,137	\$2,901,214
Granite City	\$3,878,759	\$3,778,287	\$2,805,294	\$2,305,916	\$3,549,658	\$3,423,710	\$4,174,892	\$2,615,526
<b>Total Revenue</b>	<b>\$5,848,376</b>	<b>\$5,956,653</b>	<b>\$5,617,256</b>	<b>\$4,678,006</b>	<b>\$5,810,466</b>	<b>\$5,844,237</b>	<b>\$7,012,029</b>	<b>\$5,516,740</b>
<b>Fund 70: Regional WWTP (Cost Shared by Participants)</b>								
IEPA Loans Debt Service-Principal	\$163,880	\$168,002	\$172,229	\$176,561	\$181,003	\$185,556	\$190,224	\$254,040
IEPA Loans Debt Service-Interest	96,242	92,119	87,893	83,560	141,280	74,565	69,897	81,114
Bond-Principal						130,000	130,000	135,000
Bond-Interest						125,130	122,530	119,205
<b>Total WWTP Debt Service</b>	<b>\$260,122</b>	<b>\$260,121</b>	<b>\$260,122</b>	<b>\$260,121</b>	<b>\$322,283</b>	<b>\$515,251</b>	<b>\$512,651</b>	<b>\$589,359</b>
Personal Services	2,158,649	2,453,937	2,645,967	2,589,405	2,738,548	2,818,870	2,753,296	2,901,408
Solids Handling	670,250	664,367	631,522	620,587	695,261	687,390	551,713	704,187
BOD treatment	370,737	323,943	350,953	295,865	310,314	238,159	224,660	214,469
Primary treatment	58,236	10,236	45,958	32,232	39,224	32,655	31,662	86,408
General & Administrative	190,260	183,445	170,983	201,674	201,330	188,640	212,462	150,153
Dry weather pumping	247,793	201,197	263,337	195,231	266,959	204,112	173,727	181,166
Wet weather pumping	120,619	119,115	187,203	124,342	179,571	143,916	102,611	120,329
Other	46,508	35,570	102,680	87,052	120,454	306,231	167,320	248,811
Depreciation*	602,940	651,312	679,616	575,315	648,521	643,105	580,271	580,012
<b>Total WWTP O,M&amp;R Cost</b>	<b>\$4,465,992</b>	<b>\$4,643,122</b>	<b>\$5,078,219</b>	<b>\$4,721,703</b>	<b>\$5,200,182</b>	<b>\$5,263,078</b>	<b>\$4,797,722</b>	<b>\$5,186,943</b>
% of Increase of O,M&R		3.97%	9.37%	-7.02%	10.13%	1.21%	-8.84%	8.11%
<b>Fund 71: Granite City Sewer System (Audited Financial Statement)</b>								
Industrial Pretreatment	138,555	84,836	88,963	86,061	90,274	95,815	98,340	119,835
Billing & Collection	14,141	110,436	154,664	156,084	108,377	123,574	122,915	155,686
Sewer Collection	799,472	1,235,861	1,015,038	611,280	623,594	482,976	797,358	246,713
Depreciation				88,391	153,648	231,646	230,832	230,424
<b>Total Sewer System Cost</b>	<b>\$952,168</b>	<b>\$1,431,133</b>	<b>\$1,258,665</b>	<b>\$941,816</b>	<b>\$975,893</b>	<b>\$934,011</b>	<b>\$1,249,445</b>	<b>\$752,658</b>
<b>Total (depreciation excluded)</b>	<b>\$952,168</b>	<b>\$1,431,133</b>	<b>\$1,258,665</b>	<b>\$853,425</b>	<b>\$822,245</b>	<b>\$702,365</b>	<b>\$1,018,613</b>	<b>\$522,234</b>
% of Increase		50.30%	-12.05%	-32.20%	-3.65%	-14.58%	45.03%	-48.73%
* The depreciation expenses in FY2007, FY2008, and FY2009 were not separated for WWTP and sewer system in the annual financial reports.								

Table 6-1A shows the shared wastewater treatment costs over the last five (5) fiscal years. Data is from the Granite City Regional Treatment Board annual reports. See Appendix D.

Table 6-1A Granite City Shared Wastewater Treatment Cost

	FY2010	FY2011	FY2012	FY2013	FY2014	Average
<b>(Granite City Regional Wastewater Treatment Board Reports)</b>						
Total Treatment Cost	\$4,889,140	\$4,683,927	\$5,073,964	\$5,446,308	\$5,615,664	
Granite City Share %	50.36%	51.58%	47.81%	52.14%	52.76%	50.93%
Granite City Shared Cost	\$2,462,171	\$2,415,970	\$2,425,867	\$2,839,705	\$2,932,824	\$2,615,307
% of Increase		-1.88%	0.41%	17.06%	3.28%	4.72%

Table 6-2 shows the WWTP cost allocation to flow, BOD, and TSS.

Table 6-2 WWTP Cost Allocation to Various Parameters

Cost Allocation (% of Total O,M&R Cost)		
Flow	BOD	TSS
24.80%	41.60%	33.60%

### 6.3 GRANITE CITY WASTEWATER COLLECTION AND TREATMENT COST

As listed in the sewer billing records of Revenue & Expense Report for 71 Sewer System Fund, the wastewater collection and treatment costs can be categorized as:

1. Administration cost
2. Capital improvement cost
3. Sewer O,M&R cost
4. Sewage treatment cost
5. Debt service cost

Table 6-3 lists the revenues and expenditures to operate the Granite City sewer system. The data was not audited. The records of FY2011, FY2012, FY2013, and FY2014 have not been provided by the City.

#### A. Administration Cost

1. Non departmental expenditures (contractual services) (5-00-59605)
2. Personnel (4-40-4xxxx)
3. Contractual services (5-40-5xxxx)
4. Commodities (6-40-65xxx)
5. Other expenditures/uses (9-40-9xxxx)

#### B. Capital Improvement and Replacement Reserve Cost

1. Capital outlay (15-83020 and 15-93100)
2. Capital improvement projects (8-41-8508x)
3. Replacement reserve (8-41-89000)

#### C. Sewer O,M&R Cost

1. Personnel (4-30-4xxxx and 5-41-4xxxx)
2. Contractual services (4-30-5xxxx and 5-41-5xxxx)
3. Commodities (4-30-65200)
4. Equipment Purchase (8-41-83020)
5. Sewer Breaks (8-41-85000)

6. LS/ Catch B/ & MH Replacement (8-41-85001)
7. Lift Station Operating Expenses (8-41-85020)
8. Contracted Work/Equipment (8-41-85040)
9. Other expenditures/uses (9-41-9xxxx)

**D. Sewage Treatment Cost**

1. G.C. regional bill (9-40-95410)

**E. Debt Service Cost**

1. Debt service principal (7-41-71000)
2. Debt service interest (7-41-72000)

Table 6-3 Annual Revenue and Expenditures (71 – Sewer System Fund Actual, Unaudited)

	Acct.	Item of Cost	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Average	
REVENUE	3-37000	Pretreatment Flow Fees	\$74,336.36	45,227.01	46,814.91	284,404.28	1,335,989.81						
	3-37810	Service Charge - STP	1,458,595.32	1,794,894.26	1,524,378.52	1,435,353.11	3,374,199.78	1,449,250.84	1,305,236.75	1,903,883.86	1,876,544.18		
	3-37825	Service Charge Commercial	653,650.26	613,086.67	669,919.20	606,187.35	683,081.10	888,962.21	1,013,546.66	607,903.39	553,270.61		
	3-37830	Service Charge Industrial	1,196,398.35	1,244,055.99	1,336,755.00	952,674.79	56,701.52	1,135,496.42	1,599,054.02	1,609,173.88	1,723,064.79		
	3-37840	Service Charge - PA#3	461.74	9,041.39	300	104.33	1.52						
	3-37865	Tap-on Fees -STP	8,710.00	8,850.00	7,515.00	190	7,080.00	8,685.00	10,670.00	14,200.00	14,303.00		
		Other (Banks, Treasuries, etc.)	269,423.68	269,423.68	299,810.60	120,129.08	361,153.81	48,540.12	56,548.15	39,659.65	224,676.21		
	<b>Total Revenues</b>			<b>\$3,661,576</b>	<b>\$3,984,579</b>	<b>\$3,885,493</b>	<b>\$3,399,043</b>	<b>\$5,818,208</b>	<b>\$3,530,935</b>	<b>\$3,985,056</b>	<b>\$4,174,821</b>	<b>\$4,391,859</b>	
EXPENDITURES	<b>A. Administration (Billing and Collection)</b>		<b>\$134,410</b>	<b>\$121,967</b>	<b>\$109,737</b>	<b>\$108,544</b>	<b>\$86,062</b>	<b>\$108,377</b>	<b>\$123,574</b>	<b>\$119,660</b>	<b>\$142,241</b>	<b>\$117,175</b>	
	1	5-00-59605	No Departmental	\$31,740.12									
	2	4-40-4xxxx	Personnel	55,924.32	50,673.92	49,932.29	55,095.49	79,464.61	45108.62	57427.10	46573.49	47285.60	
	3	4-40-5xxxx	Contractual Services	35,910.33	60,501.34	52,802.29	46,204.80	4,157.35	59835.78	64313.84	67850.24	76167.42	
	4	4-40-6xxxx	Commodities	8,209.24	6,637.74	6,217.90	2,887.55	2,439.58	3203.77	1833.09	5236.66	18787.53	
	5	4-40-9xxxx	Other Expenditures/Uses	2,626.24	4,153.96	784.25	4,356.48	0	228.63				
	<b>B. Capital Improvement</b>			<b>\$41,030</b>	<b>\$29,511</b>	<b>\$191,012</b>	<b>\$1,079,790</b>	<b>\$0</b>	<b>\$570,482</b>	<b>\$966,194</b>	<b>\$3,402,009</b>	<b>\$1,740,845</b>	<b>\$1,002,609</b>
	1	8-15-83020	Capital Outlay	36,834.25	28,442.68								
	2	8-15-93100	Other Expenditures/Uses		948.49				16,988.00	50,706.93			
	3	8-41-85080	Nameoki Area Sewer & Manhole				333,343.61		304,549.64	56,362.23	51,835.00		
	4	8-41-85085	North Granite Sewer Replacment				251,231.90		153,342.02	250.00	6.00		
	5	8-41-85086	84 & 108 Lines River's Edge				3,949.10		95,602.64	858,874.45	3,350,168.03	1,740,845.45	
	6	8-41-85087	NSRR Yard Replacement				21,596.25						
	7	8-41-89000	Replacement Reserve	4,195.50	120	191,012.36	469,669.10						
	<b>C. Sewer O,M&amp;R Cost</b>			<b>\$1,252,496</b>	<b>\$901,866</b>	<b>\$1,201,891</b>	<b>\$1,901,846</b>	<b>\$799,062</b>	<b>\$2,302,941</b>	<b>\$598,075</b>	<b>\$441,011</b>	<b>\$456,597</b>	<b>\$1,095,087</b>
	1	4-30-4xxxx	Personnel	79,390.51	122,173.07	80,618.10	83,032.35	50,785.78	82,972.21	88,961.48	93,868.78	105,664.15	
	2	4-30-5xxxx	Contractual Services	2,600.60	4,463.91	1,512.59	1,365.67	53,688.96	5,463.51	6,066.18	3,689.57	4,515.62	
	3	4-30-65200	Commodities	1,640.39	1,934.63	1,384.66	805.71	3,524.43	1,838.52	787.33	774.25	11,052.16	
	4	5-41-4xxxx	Personnel	192,043.08									
	5	5-41-5xxxx	Contractual Services	56,807.54	14,346.53	47,251.97	16,118.04	7,647.98					
	6	8-41-83020	Equipment Purchase	0	81.63	23,084.08	254,417.14		20,705.05	5,379.04	21,870.92	54,142.42	
	7	8-41-85000	Sewer Breaks	686,875.04	211,170.10	60,754.90	476,630.11	90,196.29	1,783,681.69	251,663.49	294.28	13,100.00	
	8	8-41-85001	LS/Catch B/ & MH Replacement	24,090.55	59,623.90	206,743.40	347,796.69	2,631.35	18,086.50	7,031.72	11,124.55	1,422.48	
	9	8-41-85020	Lift Station Operating Ex	192,486.95	363,304.97	362,923.20	493,422.83	329,348.48	291,648.46	184,761.98	239,668.83	187,762.62	
	10	8-41-85040	Contracted Work/Equipment	0	84,723.07	326,733.65	141,384.72	92,020.70	54,854.69	36,923.58	31,820.04	22,040.00	
	11	9-41-9xxxx	Other Expenditures/Uses	16,561.19	40,044.43	90,884.29	86,872.79	169,217.59	43,690.09	16,500.45	37,899.72	56,897.75	
	<b>D. Sewage Treatment Cost (9-40-95410 GC. Bill)</b>			<b>\$1,942,469</b>	<b>\$2,068,321</b>	<b>\$2,538,810</b>	<b>\$2,277,322</b>	<b>\$2,429,493</b>	<b>\$2,363,618</b>	<b>\$2,648,727</b>	<b>\$2,374,649</b>	<b>\$2,848,083</b>	<b>\$2,387,944</b>
<b>E. Debt Service</b>			<b>\$255,295</b>	<b>\$255,295</b>	<b>\$255,295</b>	<b>\$255,295</b>	<b>\$263,904</b>	<b>\$278,182</b>	<b>\$289,517</b>	<b>\$53,293</b>	<b>\$108,987</b>		
	7-41-71000	Debt Service, Principal	198,743.14	206,255.76	214,052.35	222,143.67			98947.38				
	7-41-72000	Debt Service, Interest	56,551.96	49,039.34	41,242.75	33,151.43							
<b>Total Expenditures (A+B+C+D+E)</b>			<b>\$3,625,700</b>	<b>\$3,376,960</b>	<b>\$4,296,745</b>	<b>\$5,622,797</b>	<b>\$3,578,520</b>	<b>\$5,623,600</b>	<b>\$4,626,087</b>	<b>\$6,390,622</b>	<b>\$5,296,753</b>		
<b>Revenues Over/(Under) Expenditures</b>			<b>\$35,876</b>	<b>\$607,619</b>	<b>(\$411,252)</b>	<b>(\$2,223,754)</b>	<b>\$2,239,688</b>	<b>(\$2,092,665)</b>	<b>(\$641,031)</b>	<b>(\$2,215,802)</b>	<b>(\$904,894)</b>		

Note: The revenues from Glen Carbon, MESD, and MCSSA#1 are not included in the total revenues.

**Table 6-4 Cost Allocations**

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Average
A Administration	134,410	121,967	109,737	108,544	86,062	108,377	123,574	119,660	142,241	
Allocation	4%	4%	3%	2%	2%	2%	3%	2%	3%	2.60%
B Capital Improvement	41,030	29,511	191,012	1,079,790	0	570,482	966,194	3,402,009	1,740,845	
Allocation	1%	1%	4%	19%	0%	10%	21%	53%	33%	15.87%
C Sewer O,M&R Cost	1,252,496	901,866	1,201,891	1,901,846	799,062	2,302,941	598,075	441,011	456,597	
Allocation	35%	27%	28%	34%	22%	41%	13%	7%	9%	23.86%
D Sewer Treatment Cost	1,942,469	2,068,321	2,538,810	2,277,322	2,429,493	2,363,618	2,648,727	2,374,649	2,848,083	
Allocation	54%	61%	59%	41%	68%	42%	57%	37%	54%	52.50%
E Debt Service	255,295	255,295	255,295	255,295	263,904	278,182	289,517	53,293	108,987	
Allocation	7%	8%	6%	5%	7%	5%	6%	1%	2%	5.17%
<b>Total</b>	<b>3,625,700</b>	<b>3,376,960</b>	<b>4,296,745</b>	<b>5,622,797</b>	<b>3,578,520</b>	<b>5,623,600</b>	<b>4,626,087</b>	<b>6,390,622</b>	<b>5,296,753</b>	
	100%	100%	100%	100%	100%	100%	100%	100%	100%	

**6.4 Projection of Wastewater Collection and Treatment Cost**

**A. Administration Cost (Billing and Collection)**

The administration cost, or billing and collection cost, as listed in Table 6-3 were between low \$86,062 in FY2010 and high \$142,241 in FY2014, and averaged \$117,175 per year over the last nine fiscal years (Table 6-3). In last three (3) fiscal years the average administration cost was \$128,482 per year. The average cost per year of the last three (3) fiscal years is used to project the future cost. Say \$130,000 in FY2016 and increase 3% per year in coming years.

**B. Capital improvement and replacement reserve cost**

This cost depends on the sewer system improvement projects which may be required in a specific year. The capital improvement and replacement reserve cost was about \$1,002,609 per year (Table 6-3 Item B). The City estimates to spend about \$600,000 per year in FY2016 for capital improvement projects, and the cost will be increased about 3% per year in coming years.

**C. Sewer Operation, Maintenance, and Replacement (O,M&R) Cost**

The average O,M&R cost was \$1,095,087 over the last nine (9) fiscal years, and fluctuated from low \$441,001 in FY2013 to high \$1,252,496 in FY2006 (see Table 6-3). The repair and replacement costs for sewer breaks were a big portion of the O,M&R costs over years. In recent years the City used other funds to pay for the costs of sewer breaks. The City estimates the costs for sewer repair and replacement projects will about \$1,000,000 in FY2016, and will be increased about 3% per year in coming years.

**D. Sewage treatment cost**

This is the Granite City shared treatment cost. Granite City shared the wastewater treatment plant cost, including debt service cost and O,M&R cost. In FY2014 shared treatment debt service cost was \$311,041 and shared O,M&R cost was \$2,430,617 as shown in Table 6-1. The Granite Shared treatment cost was increase about 4.72% per year (see Table 6-1A). It is estimated that the Granite shared wastewater treatment cost will be increased about 5% per year after FY2014.

## E. Debt Service Cost

1. IL EPA (1)

The City was awarded a \$3,938,240 loan in August 2003 through the IEPA WPC Revolving Fund to finance the upgrade of the Regional WWTP facilities. Payments are due semiannually on January 27 and July 27 through January 2025, including interest at 2.50%. As of April 30, 2014, the balance outstanding on the loan was \$2,457,925. The debt service payment is \$199,915 for FY2015.

2. IL EPA (2) – L171639

The City was awarded a third loan through the State of Illinois Environment Protection Agency Bureau of Water in October 2008. This loan financed Nameoki area manhole and sewer projects. The City is required to repay \$1,387,645.76 with an interest rate of 2.50% over 20-year period. Payments are due semiannually on April 20 and October 20 through 2030. The annual debt service amount is \$90,345.88. See payment schedule in Appendix.

3. IL EPA (3) – L174113

The City was awarded a fourth loan through the State of Illinois Environment Protection Agency Water Pollution Control Loan Program in September 2011. This loan financed interceptor sewer rehabilitation projects. The principal forgiveness amount is \$2,000,000. The City is required to repay \$5,531,524.89 with an interest rate of 1.25% over 20-year period. Payments are due semiannually on April 26 and October 26 through 2034. The annual debt service amount is \$313,446.22. See payment schedule in Appendix.

4. IL EPA (4)

The City was awarded a fifth loan of \$2,000,000 through the State of Illinois Environment Protection Agency Water Pollution Control Loan Program in September 2011. Upon completion of the project \$500,000 of the loan was forgiven and the additional funds are to be repaid with an interest rate of 1.25%. This loan financed improvement to the wastewater treatment plant. Payments are due semiannually on March 1 and September 1 through 2032. As of April 30, 2014, the balance outstanding on the loan was \$1,445,254. The debt service payment is \$35,080 for FY2015.

5. The City issued Local Governmental Program Revenue Bond, Series 2010 in November 2010. The bonds, totaling \$3,485,000 are payable from the revenues derived from the payments made pursuant to the Intergovernmental Agreements. The bonds bear interest of between 2.0% and 4.2% and mature in varying amounts from 2011 to 2029 to finance improvements to the WWTP. As of April 30, 2014, the balance outstanding on the loan was \$3,090,000. The debt service payment is \$135,000 for FY2015.

**Table 6-4E-1 Summary of WWTP Debt Service**

Loan for Regional WWTP (Cost shared)		Debt Service			
		FY2016	FY2017	FY2018	FY2019
1	2003 IEPA Loan for WWTP	\$199,915	\$199,915	\$199,915	\$199,915
4	2011 IEPA WPC Loan for WWTP	\$35,080	\$35,080	\$35,080	\$35,080
5	Local Government Revenue Bond, Series 2010 for WWTP	\$135,000	\$135,000	\$135,000	\$135,000
Total annual debt service		\$369,995	\$369,995	\$369,995	\$369,995

The WWTP OM&R cost is shared participated communities and sanitary districts based on flow contributions. The cost share for Granite City is 52.76% as recommended by the Regional Board in June 2014. The average annual shared treatment plant O,M&R cost was increased about 2.18% over the last eight (8) fiscal years as shown in Table 6-1.

The total treatment costs shared by the Granite City are projected to be:

**Table 6-4E-2 Projection of Granite City Shared Treatment Cost**

		FY2016	FY2017	FY2018	FY2019
Debt Service	6.4E.1,4,5	\$369,995	\$369,995	\$369,995	\$369,995
O,M&R	T.6-1	\$5,718,605	\$6,004,535	\$6,304,762	\$6,620,000
Total		\$6,088,600	\$6,374,530	\$6,674,757	\$6,989,995
G.C. Share	50.93%	\$3,100,924	\$3,246,548	\$3,399,454	\$3,560,004
Note: The treatment plat O,M&R cost was \$5,186,943 in FY2014, and the cost is estimated to increase 5% per year in coming years.					

**Table 6-4E-3 Sewer System Debt Service**

Loan for Sewer System		Debt Service			
		FY2016	FY2017	FY2018	FY2019
2	IL EPA (2) - L171639 (Nameoki Sewer)	\$90,346	\$90,346	\$90,346	\$90,346
3	IL EPA (3) - L174113 (Interceptors)	\$313,446	\$313,446	\$313,446	\$313,446
Total annual debt service		\$403,792	\$403,792	\$403,792	\$403,792

## 6.5 SUMMARY OF COSTS

The User Charge System must consist of charges to each user of the system that will provide funds for Operation and Maintenance, Replacement and reserve fund, and debt service cost. These charges must be in proportion to the actual costs required to process each user's waste. A summary for each cost category is shown in Table 6-5.

**Table 6-5 Summary of Projected Wastewater Collection and Treatment Cost**

	Item	Data Location	FY2016		FY2017		FY2018		FY2019	
1	Administration Cost	6.4 A	\$130,000	2%	\$133,900	2%	\$137,917	2%	\$142,055	2%
2	Capital Improvement and Replacement	6.4 B	\$600,000	11%	\$618,000	11%	\$636,540	11%	\$655,636	11%
3	Sewer O,M&R Cost	6.4 C	\$1,000,000	19%	\$1,030,000	19%	\$1,060,900	19%	\$1,092,727	19%
4	Shared WWTP Cost	T6.4 E-2	\$3,100,924	59%	\$3,246,548	60%	\$3,399,454	60%	\$3,560,004	61%
5	Debt Service	T6.4 E-3	\$403,792	8%	\$403,792	7%	\$403,792	7%	\$403,792	7%
Projected Total Cost			\$5,234,716	100%	\$5,432,240	100%	\$5,638,603	100%	\$5,854,214	100%

**CHAPTER 7**  
**PROPOSED REVISION OF USER CHARGE SYSTEM**

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**7.1 GENERAL**

The above study indicates that the current user charge system is inadequate to assure the recovery of cost for wastewater collection and treatment expenses. The user charge rate needs to be adjusted to a reasonable standard to fully recover the total cost. In this Chapter, a new user charge system with new user charge rates will be studied as a proposal to revise the current Sewer User Charge Ordinance.

The sewer user charge is based on water meter records which are provided by Illinois-American Water Company. The user accounts are listed in Table 5-4. Table 7-1 shows the user numbers and usages in FY2013.

Table 7-1 User Accounts and Water Usage in FY2014

		User Number	Annual Usage (gal.)	Avg. gal./User/Mo.	Percent of Total Usage
Zone 1	Commercial	686	232,000,000	28,183	15.47%
Zone 2	Residential	10,390	578,000,000	4,636	38.49%
Zone 3	Industrial	35	462,000,000	1,100,000	46.04%
	Total	11,111	1,272,000,000		100.00%

**7.2 CALCULATION OF USER CHARGE**

In accordance with Federal Guidelines, a User Charge System must result in the distribution of treatment works Operation and Maintenance costs to each user in approximate proportion to his contribution to the total wastewater loading of the treatment works (Federal Register, Vol.47, No.92, 1982; and 35 Illinois Administrative Code, Ch.II, Sec.365.103, Sep. 1992).

The users served by the sewer collection and treatment system can be categorized as three classes of residential, commercial and industrial. The flow contribution to the collection and treatment system of each class can be identified. The BOD<sub>5</sub> (5-day Biochemical Oxygen Demand) and TSS (Total Suspended Solids) contributions by industrial users are recorded. There is no data to separate the BOD and TSS contributions by residential and commercial users, however these contributions can be considered as typical wastewater quality.

The calculation of User Charge has to consider the flow contributions as well as loading contributions by different user classes.

The following wastewater characteristics may be suitable as the basis for determining the residential and commercial user charges:

pH	= 7.5
Temperature	= 10 <sup>0</sup> C in coldest month to 26 <sup>0</sup> C in warmest month
BOD <sub>5</sub> at 20 <sup>0</sup> C	= 200 mg/L
TSS	= 250 mg/L
Total Nitrogen	= 40 mg/L as N
Ammonia Nitrogen	= 25 mg/L as N
Total Phosphorus	= 10 mg/L as P

Among these parameters the values of BOD<sub>5</sub> and TSS are most important when the wastewater quality is evaluated by IEPA.

It is projected that the BOD<sub>5</sub>, TSS, and other pollutant concentrations discharged by all users will be approximately equal and, therefore, the treatment cost will be primarily FLOW dependent. A surcharge approach will be applied to users who discharge wastewater with BOD<sub>5</sub> or TSS concentration with values in excess of the normal value as shown above.

Based on wastewater volume contribution by users, the User Charge is calculated by following formula:

$$C_U = \frac{C_t}{V_t}(V_U)$$

where  $C_U$  = User's Charge per unit of time;  
 $C_t$  = Total costs per unit of time (O,M,&R plus reserve and replacement costs), Dollars/year;  
 $V_t$  = Total volume contribution from all users per unit of time, gallons/year;  
 $V_U$  = Metered water consumption, in 1000 gallons increments, for a user per unit of time.

A surcharge will be levied to all users whose wastewaters exceed the normal domestic concentration of BOD<sub>5</sub> (200 mg/L) and TSS (250 mg/L). The surcharge will be based on water usage as recorded by water meters and/or sewage meters for all wastewaters which exceed the 200 mg/L and 250 mg/L concentration for BOD<sub>5</sub> and TSS respectively.

Computation of wastewater service charge is computed by the following formula:

$$CW = CC + CM + (V_u - X) CU + CS$$

where  $CW$  = Amount of wastewater service charge (\$) per billing period.  
 $CD$  = Debt Service Charge.  
 $CC$  = Capital Improvement Charge.  
 $CM$  = Minimum Charge for Operation, Maintenance and Replacement.  
 $V_u$  = Wastewater Volume for the billing period.  
 $X$  = Allowable consumption in gallons for the minimum charge.  
 $CU$  = User Surcharge Rate for excess flow.  
 $CS$  = Amount of Surcharge for excess BOD and/or TSS.

The sewer system revenue from sewer user charge from are curetly based on the sewer rate set in 2011 (Ordinance No.8250). Because the O,M&R cost has increased, the sewer charge rate shall be increased proportionally for revenue to increase to cover the operational cost.

The sewer rate structure is that the residential users pay a fixed rate per month, and the rate for the usage over 4,500 gallons will be increased for commercial and industrial users as shown in Table 7-3. .

The proposed rate is as in Table 7-3.

**Table 7-3 Proposed Sewer User Charge Rate**

	8/1/2015-7/31/2016				8/1/2016-7/31/2017			
		Minimum	Over 4500 gal.			Minimum	Over 4500 gal.	
	Allocation	Cost/Mo.	Cost per	Cost per	Allocation	Cost/Mo.	Cost per	Cost per
	T.6-5	4500 gal.	1000 gal.	100 cu.ft.	T.6-5	4500 gal.	1000 gal.	100 cu.ft.
1. Administration	2%	\$0.45	\$0.10	\$0.07	2%	\$0.46	\$0.10	\$0.08
2. Capital Improvement and Replacement Reserve	11%	\$2.06	\$0.46	\$0.34	11%	\$2.12	\$0.47	\$0.35
3. Sewer O,M&R	19%	\$3.44	\$0.76	\$0.57	19%	\$3.54	\$0.79	\$0.59
4. Sew age Treatment	59%	\$10.66	\$2.37	\$1.77	60%	\$11.16	\$2.48	\$1.85
5. Debt Service	8%	\$1.39	\$0.31	\$0.23	7%	\$1.39	\$0.31	\$0.23
Total/month	100%	<b>\$18.00</b>	<b>\$4.00</b>	<b>\$2.99</b>	100%	<b>\$18.67</b>	<b>\$4.15</b>	<b>\$3.10</b>
% of Increase		26.76%				3.72%		

	8/1/2017-7/31/2018				8/1/2018-7/31/2019			
		Minimum	Over 4500 gal.			Minimum	Over 4500 gal.	
	Allocation	Cost/Mo.	Cost per	Cost per	Allocation	Cost/Mo.	Cost per	Cost per
	T.6-5	4500 gal.	1000 gal.	100 cu.ft.	T.6-5	4500 gal.	1000 gal.	100 cu.ft.
1. Administration	2%	\$0.47	\$0.11	\$0.08	2%	\$0.49	\$0.11	\$0.08
2. Capital Improvement and Replacement Reserve	11%	\$2.19	\$0.49	\$0.36	11%	\$2.25	\$0.50	\$0.37
3. Sewer O,M&R	19%	\$3.64	\$0.81	\$0.61	19%	\$3.75	\$0.83	\$0.62
4. Sew age Treatment	60%	\$11.68	\$2.60	\$1.94	61%	\$12.22	\$2.72	\$2.03
5. Debt Service	7%	\$1.39	\$0.31	\$0.23	7%	\$1.39	\$0.31	\$0.23
Total/month	100%	<b>\$19.37</b>	<b>\$4.30</b>	<b>\$3.22</b>	100%	<b>\$20.10</b>	<b>\$4.47</b>	<b>\$3.34</b>
% of Increase		3.75%				3.77%		

### 7.3 SURCHARGE RATES

Wastewater discharges having characteristic strengths greater than that of normal domestic wastewater should be charged a surcharge to cover the additional cost of treatment.

#### 7.3.1 Flow Surcharge

The surcharge rate for excess flow shall be the same as flat rate per 1,000 gallons, or per 100 cu.ft.

#### 7.3.2 BOD and TSS Surcharge

These BOD and TSS surcharge rates are applied to the industrial/commercial users, communities, and sewer districts for wastewater strength of BOD in excess of concentration 200 mg/L and TSS in excess of concentration 250 mg/L.

The Granite City Regional Wastewater Treatment Board presents the unit cost of BOD and TSS treatment in its annual report. The unit costs in last eight (8) fiscal years based on the treatment cost of actual BOD and TSS loading were reported as in Table 7-4.

**Table 7-4 Regional WWTP BOD and TSS Treatment Cost**

	Per lb of BOD	% of Increase	Per lb of TSS	% of Increase
FY2006	\$0.1883		\$0.2364	
FY2007	\$0.1799	-4.46%	\$0.2190	-7.36%
FY2008	\$0.2003	11.34%	\$0.2116	-3.38%
FY2009	\$0.1586	-20.82%	\$0.2348	10.96%
FY2010	\$0.1792	12.99%	\$0.2035	-13.33%
FY2011	\$0.2033	13.45%	\$0.1969	-3.24%
FY2012	\$0.2532	24.55%	\$0.2639	34.03%
FY2013	\$0.2491	-1.62%	\$0.3073	16.45%
FY2014	\$0.2139	-14.13%	\$0.2424	-21.12%
<i>Average</i>	<i>\$0.2029</i>	<i>2.66%</i>	<i>\$0.2351</i>	<i>1.63%</i>

Over the last nine (9) fiscal years the treatment costs of BOD and TSS at the WWTP fluctuated with low \$0.1586 and high \$0.2532 per lb. of BOD, and low \$0.1969 and high \$0.3073 per lb. of TSS. The average costs to treat BOD was \$0.2139/lb., and to treat TSS was \$0.2351/lb.

Currently the BOD surcharge rate is \$0.18/lb which is about 89% of the average cost of \$0.2039/lb for BOD treatment. The TSS surcharge rate is \$0.19/lb which is about 81% of the average cost of \$0.2351/lb for TSS treatment.

The surcharge for excess BOD and TSS of industrial/commercial users should be increased to cover the treatment costs.

**It is recommended that the BOD surcharge rate be increased as follows:**

**Table 7-5 Proposed BOD and TSS Surcharge Rate**

	Current per lb. 8/1/2012-on	Proposed Rate Per lb			
		8/1/2015- 7/31/2016	8/1/2016- 7/31/2017	8/1/2015- 7/31/2016	8/1/2016- 7/31/2017
BOD in excess of 200 mg/L	\$0.18	<b>\$0.23</b>	<b>\$0.24</b>	<b>\$0.25</b>	<b>\$0.26</b>
% of Increase		27.78%	4.35%	4.17%	4.00%
TSS in excess of 250 mg/L	\$0.19	<b>\$0.22</b>	<b>\$0.24</b>	<b>\$0.26</b>	<b>\$0.28</b>
% of Increase		15.79%	9.09%	8.33%	7.69%

#### 7.4 PRETREATMENT CHARGE RATE

The City has a pretreatment program for Significant Industrial Users (SIU). The Ordinance No. 8401 (December 2013) amended the Ordinance 3878 (March 1982) to set \$0.10/100 cu.ft. as the Administrative Charge for the pretreatment program.

## 7.5 PROJECTION OF REVENUE TO MEET COST REQUIREMENT

**Table 7-6 Projection of Revenues Based on New Rate, FY2016**

		Users	Water Usage Per Year	Rate	Revenue/year
Existing Fixed Rate/mo., Residential Users	Ord. 8250			\$14.20	
Existing Rate/1000 gal., over 4500 gal./mo.	Ord. 8250			\$3.15	
Proposed Fixed Charge/mo.	Table 7-3			<b>\$18.00</b>	
Proposed Rate/1000 gal., over 4500 gal./mo.	Table 7-3			<b>\$4.00</b>	
Projected Revenue From Residential Users	Table 7-1	10,390	578,000,000		
Min. Charge					<b>\$2,244,240</b>
Projected Revenue From Commercial Users	Table 7-1	686	232,000,000		
Min. Charge					<b>\$148,176</b>
Charge for Over 4500 gal./mo.					<b>\$915,652</b>
Projected Revenue From Industrial Users	Table 7-1	35	462,000,000		
Min. Charge					<b>\$7,560</b>
Charge for Over 4500 gal./mo.					<b>\$1,847,370</b>
Estimate of SIU Pretreatment Program Income	Table 6-1				<b>\$100,335</b>
<b>Projected Revenue Based on New Rate, Total</b>					<b>\$5,263,333</b>
<b>Projected O,M&amp;R Cost</b>	Table 6-5				<b>\$5,234,716</b>
Projected Revenue Over/(Under) Cost					<b>\$28,617</b>

**Table 7-7 Projection of Revenues Based on New Rate, FY2017**

		Users	Water Usage Per Year	Rate	Revenue/year
Existing Fixed Rate/mo., Residential Users	Ord. 8250			\$14.20	
Existing Rate/1000 gal., over 4500 gal./mo.	Ord. 8250			\$3.15	
Proposed Fixed Charge/mo.	Table 7-3			<b>\$18.67</b>	
Proposed Rate/1000 gal., over 4500 gal./mo.	Table 7-3			<b>\$4.15</b>	
Projected Revenue From Residential Users	Table 7-1	10,390	578,000,000		
Min. Charge					<b>\$2,327,776</b>
Projected Revenue From Commercial Users	Table 7-1	686	232,000,000		
Min. Charge					<b>\$153,691</b>
Charge for Over 4500 gal./mo.					<b>\$949,735</b>
Projected Revenue From Industrial Users	Table 7-1	35	462,000,000		
Min. Charge					<b>\$7,841</b>
Charge for Over 4500 gal./mo.					<b>\$1,916,133</b>
Estimate of SIU Pretreatment Program Income	Table 6-1				<b>\$100,335</b>
<b>Projected Revenue Based on New Rate, Total</b>					<b>\$5,455,511</b>
<b>Projected O,M&amp;R Cost</b>	Table 6-5				<b>\$5,432,240</b>
Projected Revenue Over/(Under) Cost					<b>\$23,271</b>

**Table 7-8 Projection of Revenues Based on New Rate, FY2018**

		Users	Water Usage Per Year	Rate	Revenue/year
Existing Fixed Rate/mo., Residential Users	Ord. 8250			\$14.20	
Existing Rate/1000 gal., over 4500 gal./mo.	Ord. 8250			\$3.15	
Proposed Fixed Charge/mo.	Table 7-3			<b>\$19.37</b>	
Proposed Rate/1000 gal., over 4500 gal./mo.	Table 7-3			<b>\$4.30</b>	
Projected Revenue From Residential Users	Table 7-1	10,390	578,000,000		
Min. Charge					<b>\$2,415,052</b>
Projected Revenue From Commercial Users	Table 7-1	686	232,000,000		
Min. Charge					<b>\$159,454</b>
Charge for Over 4500 gal./mo.					<b>\$985,343</b>
Projected Revenue From Industrial Users	Table 7-1	35	462,000,000		
Min. Charge					<b>\$8,135</b>
Charge for Over 4500 gal./mo.					<b>\$1,987,975</b>
Estimate of SIU Pretreatment Program Income	Table 6-1				<b>\$100,335</b>
<b>Projected Revenue Based on New Rate, Total</b>					<b>\$5,656,295</b>
<b>Projected O,M&amp;R Cost</b>	Table 6-5				<b>\$5,638,603</b>
Projected Revenue Over/(Under) Cost					<b>\$17,692</b>

**Table 7-9 Projection of Revenues Based on New Rate, FY2019**

		Users	Water Usage Per Year	Rate	Revenue/year
Existing Fixed Rate/mo., Residential Users	Ord. 8250			\$14.20	
Existing Rate/1000 gal., over 4500 gal./mo.	Ord. 8250			\$3.15	
Proposed Fixed Charge/mo.	Table 7-3			<b>\$19.37</b>	
Proposed Rate/1000 gal., over 4500 gal./mo.	Table 7-3			<b>\$4.30</b>	
Projected Revenue From Residential Users	Table 7-1	10,390	578,000,000		
Min. Charge					<b>\$2,415,052</b>
Projected Revenue From Commercial Users	Table 7-1	686	232,000,000		
Min. Charge					<b>\$159,454</b>
Charge for Over 4500 gal./mo.					<b>\$985,343</b>
Projected Revenue From Industrial Users	Table 7-1	35	462,000,000		
Min. Charge					<b>\$8,135</b>
Charge for Over 4500 gal./mo.					<b>\$1,987,975</b>
Estimate of SIU Pretreatment Program Income	Table 6-1				<b>\$100,335</b>
<b>Projected Revenue Based on New Rate, Total</b>					<b>\$5,656,295</b>
<b>Projected O,M&amp;R Cost</b>	Table 6-5				<b>\$5,638,603</b>
Projected Revenue Over/(Under) Cost					<b>\$17,692</b>

**7.6 USER COST**

**A. TYPICAL RESIDENTIAL USERS**

The residential user cost based on proposed sewer rate is calculated as follows:

**Table 7-10 Projection of Commercial User Cost**

Existing Fixed Rate	\$14.20	Proposed Rate and Cost per Month			
Rate per 1,000 gal.	\$3.15	8/1/2015- 7/31/16	8/1/2016- 7/31/17	8/1/2017- 7/31/18	8/1/2018- 7/31/19
Minimum Charge for first 4,500 gal.		\$18.00	\$18.67	\$19.37	\$20.10
Rate per 1,000 gal. for over 4,500 gal.		\$4.00	\$4.15	\$4.30	\$4.47
Total Cost for Usage 5,000 gal.		\$20.00	\$20.74	\$21.52	\$22.33
% of Increase from Previous Year		26.76%	3.72%	3.75%	3.77%

**B. EXAMPLES OF INDUSTRIAL USERS AND HOSPITAL**

The estimate of industrial user cost based on proposed sewer rate for AMSTED, KRAFT, Prairie Farms, and Hospital is calculated as follows:

**Table 7-11 Projection of Large User Cost**

	Typical Averaged Monthly Discharge			Charge per month			Charge per month (New Rate)											
				(Existing. Rate)			8/2015-7/2016			8/2016-7/2017			8/2017-7/2018			8/2018-7/2019		
				Flow /100 cf.	\$2.36	Flow /100 cf.	\$2.99	Flow /100 cf.	\$3.10	Flow /100 cf.	\$3.22	Flow /100 cf.	\$3.34					
				Surcharge BOD /lb.	\$0.18	Surcharge BOD /lb.	\$0.23	Surcharge BOD /lb.	\$0.24	Surcharge BOD /lb.	\$0.25	Surcharge BOD /lb.	\$0.26					
Surcharge TSS /lb.	\$0.19	Surcharge TSS /lb.	\$0.22	Surcharge TSS /lb.	\$0.24	Surcharge TSS /lb.	\$0.26	Surcharge TSS /lb.	\$0.28									
	Flow /mo	BOD	TSS	Flow	Surcharge	Total per mo.	Flow	Surcharge	Total per mo.	Flow	Surcharge	Total per mo.	Flow	Surcharge	Total per mo.	Flow	Surcharge	Total per mo.
	(cu.ft.)	(mg/L)	(mg/L)	Charge			Charge			Charge			Charge			Charge		
<b>AMSTED</b>	406,964	0	0	\$9,604	\$0	<b>\$9,604</b>	\$12,178	\$0	<b>\$12,178</b>	\$12,631	\$0	<b>\$12,631</b>	\$13,105	\$0	<b>\$13,105</b>	\$13,599	\$0	<b>\$13,599</b>
(Avg. Jan. 2008-Jun. 2013)									26.80%						3.75%			3.77%
<b>KRAFT</b>	836,270	4,991	41	\$19,736	\$1,500	<b>\$21,236</b>	\$25,025	\$1916	<b>\$26,941</b>	\$25,956	\$2,000	<b>\$27,956</b>	\$26,930	\$2,083	<b>\$29,012</b>	\$27,944	\$2,166	<b>\$30,111</b>
(Avg. Jan. 2008-Jun. 2013)									26.87%						3.78%			3.79%
<b>Prairie Frams</b>																		
Benton St.	256,708	3,094	783	\$6,058	\$567	<b>\$6,625</b>	\$7,682	\$689	<b>\$8,371</b>	\$7,968	\$735	<b>\$8,703</b>	\$8,267	\$781	<b>\$9,047</b>	\$8,578	\$827	<b>\$9,405</b>
(Avg. Jan. - Dec. 2009)									26.36%						3.96%			3.95%
Adams St.	243,192	6,346	747	\$5,739	\$1,145	<b>\$6,885</b>	\$7,277	\$1,393	<b>\$8,670</b>	\$7,548	\$1,486	<b>\$9,034</b>	\$7,831	\$1,579	<b>\$9,410</b>	\$8,126	\$1,671	<b>\$9,798</b>
(Avg. Jan. - Dec. 2009)									25.94%						4.16%			4.12%
<b>Hospital</b>	66,100	0	0	\$1,560	\$0	<b>\$1,560</b>	\$1,978	\$0	<b>\$1,978</b>	\$2,052	\$0	<b>\$2,052</b>	\$2,129	\$0	<b>\$2,129</b>	\$2,209	\$0	<b>\$2,209</b>
(Avg. Jan. - Dec. 2009)									26.80%						3.75%			3.77%

## 7.7 COMPARISON OF RATES WITH ADJACENT COMMUNITIES

Table 7-12 is a comparison of sewer user charge rate and water user charge rate of adjacent communities, and a calculation of the monthly household sewer and water fees. The sewer charge rate for Granite City is the proposed rate in Table 7-3.

**Table 7-12 Comparison of User Charge Rate of Adjacent Communities**

		Connection Fee	Min.Charge Per Month		Sewer Rate (1,000 gal.)	Cost for 4,500 gal/Mo.
<b>Granite City</b>	<b>Proposed</b>					
<b>8/1/2015-7/31/2016</b>			<b>Residential fixed rate/mo.</b>	<b>\$18.00</b>	<b>\$4.00</b>	\$18.00
MESD (2015)	In Bndry.	\$750.00	\$8.00 for first 200 cu.ft. (1,496 gal.)			
	Out Bndry.	\$1,500.00	Over 200 cu.ft.: \$4.68 per 1000 gal.			\$22.06
MCSSA#1 (2015)	In Bndry.	\$750.00	\$32.40 PER USER/MO.		\$32.40	\$32.40
	Out Bndry.	\$1,500.00				
Alton (2009)			Residential Service Charge /mo. Flat Rate	\$15.70		\$15.70
Bethalto (2013)		\$2,500.00	min. 1,000 gal. /mo.	\$6.50	\$4.30	\$21.55
Wood River (11/09)			Billing/Admin. Charge	\$3.28	\$1.76	\$11.20
East Alton (11/09)			min. 0-2,000 gal.	\$12.36	\$1.05	\$14.99
Roxana	No separate charge for sewer - paid through property taxes.					
American Bottom			Per 1,000 gal.	\$4.40		\$19.80
Maryville (2013)	In-Town	\$500.00				
	Outside	\$500.00	min. 2,000 gal. /mo.	\$9.60	\$4.80	\$21.60
Glen Carbon (2015)	1-10 PE	\$2,725.00	In-Town Service Charge	\$5.50	\$7.55	\$39.48
			Outside Service Charge	\$10.00	\$8.70	\$49.15
Edwardsville (2013)	In-Town	\$4,480.00	Usage Charge/System Process /bi-mo.	\$7.75	\$4.55	\$24.35
	Outside	\$5,880.00	Usage Charge/System Process /bi-mo.	\$7.75	\$5.85	\$30.20
Collinsville (2013)	Residential	\$2,500.00				
	Commercial	\$3,000.00			\$6.07	\$27.32
Troy (2013)	In-Town	\$4,100.00	min. 2,000 gal.	\$9.34	\$4.24	\$19.94
	Outside	\$5,600.00	min. 2,000 gal.	\$16.39	\$7.43	\$34.97
Highland (2014)	In-Town		Service Charge	\$9.10	\$5.70	\$34.75
	Outside		Service Charge	\$13.30	\$7.21	\$45.75
Hamel		\$2,750.00	min. 2,000 gal.	\$13.50	\$5.00	\$26.00
Livingston		\$325.00	min. 1,000 gal.	\$22.00	\$3.00	\$32.50
Ahambra		\$1,300.00	min. 1,000 gal.	\$12.50	\$3.50	\$24.75
St. Jacob (2014)	Residential	\$3,500.00	Min. 2,000 gal.	\$8.60	\$3.55	\$17.48
	Multifamily	\$1500/tap				
Grafton		\$1,500.00	min. 1,000 gal.	\$14.50	\$6.90	\$38.65
Note:	MESD interceptor sewer and treatment cost only, not includes collector sewers.					

## **APPENDIX A**

### **IEPA Loan Payment Schedules**



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829  
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

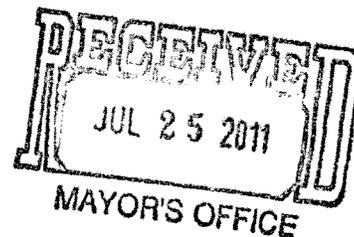
PAT QUINN, GOVERNOR

080216

CERTIFIED MAIL

JUL 21 2011

The Honorable Edward Hagnauer  
Mayor, City of Granite City  
2000 Edison Avenue  
Granite City, Illinois 62040



Re: Granite City/L171639

Dear Mayor Hagnauer:

We are officially notifying the City of Granite City of the amount and due date of the first repayment in accordance with the conditions of your wastewater loan.

The conditions reflected in the Loan Agreement have been revised as shown in the Loan Amendment enclosed in triplicate. After you have reviewed the Loan Amendment, please have it signed and return the original and one copy to the Infrastructure Financial Assistance Section, Bureau of Water, P.O. Box 19276, Springfield, Illinois 62794-9276 as soon as it is signed, but no later than September 30, 2011. One copy is for your records. Receipt of written refusal or failure to return the properly executed Loan Amendment within the specified time will subject both the Loan Amendment and Loan Agreement to cancellation consideration.

Our records indicate that, prior to initiation of the loan repayment period, disbursements processed totaled \$1,348,719.00 and accrued interest totaled \$38,926.76 (see Attachment A).

Since the City's approved budget is sufficient to finance the accrued interest, repayments have been based on disbursements processed plus accrued interest financed over the 20 year period. Your initial repayment has been adjusted to reflect a repayment interval beyond the normal six-month period. Your first repayment of \$53,774.44 will be due October 20, 2011 (See Attachment B).

We strongly suggest you do not use cashier's checks when making repayments since cashier's checks are difficult to replace if they get lost or destroyed. For audit reasons, the Agency does not require a separate checking account; therefore, we suggest that you do not open a separate checking account for your loan project. Repayments can be made through your regular checking account. You are required to maintain separate project accounts in your books, however.

Please review your dedicated source of revenue on a regular basis to insure it is adequate to meet the repayments.

If you have any questions regarding this project please contact Beverly Anderson, Infrastructure Financial Assistance Section, at the above telephone number.

Very truly yours,

A handwritten signature in black ink that reads "J. Geoffrey Andres". The signature is written in a cursive style with a large initial "J".

Geoff Andres  
Manager, Infrastructure Financial Assistance Section

LB:BAA:mw/

cc: Clerk, City of Granite City  
Cons. Engr., Juneau Associates (Edwardsville)

Attachment A

REPORT: ZC\_SDBPRT  
 DATE: 07/11/2011  
 TIME: 15:14:34

Illinois Environmental Protection Agency  
 Infrastructure Financial Assistance Section  
 Disbursement Schedule for  
 Granite City L17163900

INVOICE DATE	WARRANT ISSUED	INTEREST BEGINNING	INTEREST ENDING	DAYS IN PERIOD	INVOICE AMOUNT	CONSTRUCTION INTEREST
06/02/2009	06/09/2009	06/10/2009	01/20/2011	589	374,524.00	15,109.22
07/16/2009	07/23/2009	07/24/2009	01/20/2011	545	377,835.00	14,104.11
08/27/2009	09/02/2009	09/03/2009	01/20/2011	504	277,905.00	9,593.43
12/02/2010	12/08/2010	12/09/2010	01/20/2011	42	41,714.00	120.00
01/13/2011	01/19/2011	01/20/2011	01/20/2011	0	276,741.00	0.00
TOTAL:					1,348,719.00	38,926.76

Disbursement Amount: 1,348,719.00  
 Interest on Disbursements: 38,926.76  
 Current Amount Borrowed: 1,387,645.76

For the purpose of this schedule, the interest periods begin on the "INTEREST BEGINNING" date and end on 01/20/2011.

The ANNUAL interest rate is 2.5000% which makes the DAILY rate 0.00684931506849315%.

NOTE: Interest begins to accrue on the first day of each interest period. No interest is accrued on the last day of the interest period. The INTEREST BEGINNING date is the day after the warrant was actually issued.

## Attachment B

REPORT: VA RS01  
 DATE: 07/12/2011  
 TIME: 08:12:39

Illinois Environmental Protection Agency  
 Infrastructure Financial Assistance Section  
 Repayment Schedule  
 For GRANITE CITY L17-1639

PAGE 1

#	DUE DATE	REPAYMENT	INTEREST	PRINCIPAL	BALANCE
1	10/20/2011	53,774.44	25,947.07	27,827.37	1,359,818.39
2	04/20/2012	45,172.94	16,997.73	28,175.21	1,331,643.18
3	10/20/2012	45,172.94	16,645.54	28,527.40	1,303,115.78
4	04/20/2013	45,172.94	16,288.95	28,883.99	1,274,231.79
5	10/20/2013	45,172.94	15,927.90	29,245.04	1,244,986.75
6	04/20/2014	45,172.94	15,562.33	29,610.61	1,215,376.14
7	10/20/2014	45,172.94	15,192.20	29,980.74	1,185,395.40
8	04/20/2015	45,172.94	14,817.44	30,355.50	1,155,039.90
9	10/20/2015	45,172.94	14,438.00	30,734.94	1,124,304.96
10	04/20/2016	45,172.94	14,053.81	31,119.13	1,093,185.83
11	10/20/2016	45,172.94	13,664.82	31,508.12	1,061,677.71
12	04/20/2017	45,172.94	13,270.97	31,901.97	1,029,775.74
13	10/20/2017	45,172.94	12,872.20	32,300.74	997,475.00
14	04/20/2018	45,172.94	12,468.44	32,704.50	964,770.50
15	10/20/2018	45,172.94	12,059.63	33,113.31	931,657.19
16	04/20/2019	45,172.94	11,645.71	33,527.23	898,129.96
17	10/20/2019	45,172.94	11,226.62	33,946.32	864,183.64
18	04/20/2020	45,172.94	10,802.30	34,370.64	829,813.00
19	10/20/2020	45,172.94	10,372.66	34,800.28	795,012.72
20	04/20/2021	45,172.94	9,937.66	35,235.28	759,777.44
21	10/20/2021	45,172.94	9,497.22	35,675.72	724,101.72
22	04/20/2022	45,172.94	9,051.27	36,121.67	687,980.05
23	10/20/2022	45,172.94	8,599.75	36,573.19	651,406.86
24	04/20/2023	45,172.94	8,142.59	37,030.35	614,376.51
25	10/20/2023	45,172.94	7,679.71	37,493.23	576,883.28
26	04/20/2024	45,172.94	7,211.04	37,961.90	538,921.38
27	10/20/2024	45,172.94	6,736.52	38,436.42	500,484.96
28	04/20/2025	45,172.94	6,256.06	38,916.88	461,568.08
29	10/20/2025	45,172.94	5,769.60	39,403.34	422,164.74
30	04/20/2026	45,172.94	5,277.06	39,895.88	382,268.86
31	10/20/2026	45,172.94	4,778.36	40,394.58	341,874.28
32	04/20/2027	45,172.94	4,273.43	40,899.51	300,974.77
33	10/20/2027	45,172.94	3,762.18	41,410.76	259,564.01
34	04/20/2028	45,172.94	3,244.55	41,928.39	217,635.62
35	10/20/2028	45,172.94	2,720.45	42,452.49	175,183.13
36	04/20/2029	45,172.94	2,189.79	42,983.15	132,199.98
37	10/20/2029	45,172.94	1,652.50	43,520.44	88,679.54
38	04/20/2030	45,172.94	1,108.49	44,064.45	44,615.09
39	10/20/2030	45,172.94	557.85	44,615.09	0.00
TOTAL:		1,770,346.16	382,700.40	1,387,645.76	

For the purpose of this schedule, the interest period begins on 01/20/2011.

The ANNUAL interest rate is 2.5000 % which makes the PERIODIC interest rate 1.250000 %.

NOTE: Interest begins to accrue on the first day of each interest period. No Interest is accrued on the last day of the interest period.

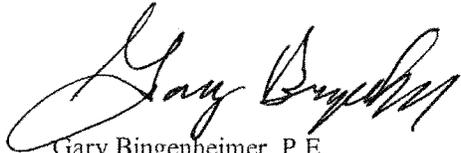


Payments may be made by check or by electronic transfer. We strongly suggest you do not use cashier's checks when making repayments since cashier's checks are difficult to replace if they get lost or destroyed. For audit reasons, the Agency does not require a separate checking account; therefore, we suggest that you do not open a separate checking account for your loan project. Repayments can be made through your regular checking account. You are required to maintain separate project accounts on your books, however.

Please review your dedicated source of revenue on a regular basis to insure it is adequate to meet the repayments.

If you have any questions regarding this project, please contact Theresa Sitton, Infrastructure Financial Assistance Section, at the above telephone number.

Very truly yours,

A handwritten signature in black ink, appearing to read "Gary Bingenheimer". The signature is fluid and cursive, with a large initial "G".

Gary Bingenheimer, P.E.  
Acting Manager  
Infrastructure Financial Assistance Section  
Bureau of Water

cc: Scott Oney, Comptroller

**Attachment A**

Illinois Environmental Protection Agency  
 Infrastructure Financial Assistance Section  
 Disbursement Schedule  
 For City of Granite City L17-4113

Invoice Date	Warrant Issued	Interest Beginning	Interest Ending	Days in Period	Invoice Amount	Construction Interest
11/10/2011	11/17/2011	11/18/2011	10/28/2014	1075	220,000.00	8,099.32
02/09/2012	02/23/2012	02/24/2012	10/28/2014	977	71,030.00	2,376.59
03/20/2012	03/23/2012	03/24/2012	10/28/2014	948	637,548.00	20,698.48
03/27/2012	04/02/2012	04/03/2012	10/28/2014	938	531,787.00	17,082.75
05/03/2012	05/11/2012	05/12/2012	10/28/2014	899	988,956.00	30,447.65
05/22/2012	05/25/2012	05/26/2012	10/28/2014	885	306,370.00	9,285.53
07/26/2012	08/01/2012	08/02/2012	10/28/2014	817	1,449,917.00	40,567.88
09/13/2012	09/19/2012	09/20/2012	10/28/2014	768	99,970.00	2,629.35
11/08/2012	11/15/2012	11/16/2012	10/28/2014	711	543,563.00	13,235.39
02/26/2013	03/04/2013	03/05/2013	10/28/2014	602	182,660.00	3,765.80
03/19/2013	03/25/2013	03/26/2013	10/28/2014	581	692,223.00	13,773.34
05/29/2013	08/09/2013	08/10/2013	10/28/2014	444	501,275.38	7,622.13
07/15/2013	08/30/2013	08/31/2013	10/28/2014	423	45,241.40	655.38
02/18/2014	08/19/2014	08/20/2014	10/28/2014	69	888,516.63	2,099.58
05/20/2014	10/27/2014	10/28/2014	10/28/2014	0	200,128.31	0.00
				<b>TOTAL:</b>	<b>7,359,185.72</b>	<b>172,339.17</b>

Disbursement Amount: 7,359,185.72  
 Interest on Disbursements: 172,339.17  
 Current Amount Borrowed: 7,531,524.89

For the purpose of this schedule, the interest periods begin on the Interest Beginning date and end on the Interest Ending date.

The annual interest rate is 1.2500%. The daily interest rate is the annual interest rate divided by 365 days.

NOTE: Interest begins to accrue on the first day of each interest period. No interest is accrued on the last day of the interest period. The Interest Beginning date is the day after the warrant was actually issued.

**Attachment B**  
 Illinois Environmental Protection Agency  
 Infrastructure Financial Assistance Section  
 Repayment Schedule  
 For City of Granite City L17-4113

#	Due Date	Repayment	Interest	Principal	Balance
1	04/26/2015	156,723.11	34,187.90	122,535.21	5,408,989.68
2	10/26/2015	156,723.11	33,806.19	122,916.92	5,286,072.76
3	04/26/2016	156,723.11	33,037.95	123,685.16	5,162,387.60
4	10/26/2016	156,723.11	32,264.92	124,458.19	5,037,929.41
5	04/26/2017	156,723.11	31,487.06	125,236.05	4,912,693.36
6	10/26/2017	156,723.11	30,704.33	126,018.78	4,786,674.58
7	04/26/2018	156,723.11	29,916.72	126,806.39	4,659,868.19
8	10/26/2018	156,723.11	29,124.18	127,598.93	4,532,269.26
9	04/26/2019	156,723.11	28,326.68	128,396.43	4,403,872.83
10	10/26/2019	156,723.11	27,524.21	129,198.90	4,274,673.93
11	04/26/2020	156,723.11	26,716.71	130,006.40	4,144,667.53
12	10/26/2020	156,723.11	25,904.17	130,818.94	4,013,848.59
13	04/26/2021	156,723.11	25,086.55	131,636.56	3,882,212.03
14	10/26/2021	156,723.11	24,263.83	132,459.28	3,749,752.75
15	04/26/2022	156,723.11	23,435.95	133,287.16	3,616,465.59
16	10/26/2022	156,723.11	22,602.91	134,120.20	3,482,345.39
17	04/26/2023	156,723.11	21,764.66	134,958.45	3,347,386.94
18	10/26/2023	156,723.11	20,921.17	135,801.94	3,211,585.00
19	04/26/2024	156,723.11	20,072.41	136,650.70	3,074,934.30
20	10/26/2024	156,723.11	19,218.34	137,504.77	2,937,429.53
21	04/26/2025	156,723.11	18,358.93	138,364.18	2,799,065.35
22	10/26/2025	156,723.11	17,494.16	139,228.95	2,659,836.40
23	04/26/2026	156,723.11	16,623.98	140,099.13	2,519,737.27
24	10/26/2026	156,723.11	15,748.36	140,974.75	2,378,762.52
25	04/26/2027	156,723.11	14,867.27	141,855.84	2,236,906.68
26	10/26/2027	156,723.11	13,980.67	142,742.44	2,094,164.24
27	04/26/2028	156,723.11	13,088.53	143,634.58	1,950,529.66
28	10/26/2028	156,723.11	12,190.81	144,532.30	1,805,997.36
29	04/26/2029	156,723.11	11,287.48	145,435.63	1,660,561.73
30	10/26/2029	156,723.11	10,378.51	146,344.60	1,514,217.13
31	04/26/2030	156,723.11	9,463.86	147,259.25	1,366,957.88
32	10/26/2030	156,723.11	8,543.49	148,179.62	1,218,778.26
33	04/26/2031	156,723.11	7,617.36	149,105.75	1,069,672.51
34	10/26/2031	156,723.11	6,685.45	150,037.66	919,634.85
35	04/26/2032	156,723.11	5,747.72	150,975.39	768,659.46
36	10/26/2032	156,723.11	4,804.12	151,918.99	616,740.47
37	04/26/2033	156,723.11	3,854.63	152,868.48	463,871.99
38	10/26/2033	156,723.11	2,899.20	153,823.91	310,048.08
39	04/26/2034	156,723.11	1,937.80	154,785.31	155,262.77
40	10/26/2034	156,233.16	970.39	155,262.77	0.00
	<b>TOTAL:</b>	<b>6,268,434.45</b>	<b>736,909.56</b>	<b>5,531,524.89</b>	

For the purpose of this schedule, the interest period begins on 4/26/2015.

The annual interest rate is 1.2500% which makes the periodic interest rate .625000%.

NOTE: Interest begins to accrue on the first day of each interest period. No interest is accrued on the last day of the interest period.

## **APPENDIX B**

**Long Term Debt  
(Pages of Annual Financial Report FY2010-FY2014)**

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS

APRIL 30, 2010

NOTE 14. LONG-TERM DEBT

The City was awarded a \$3,558,682 loan in July 1990 through the State of Illinois Environmental Protection Agency Water Pollution Control Revolving Fund. This loan financed a program of rehabilitation of Nameoki Area Sewers by means of cured-in-place linings inserted into sewer lines which were identified as being routinely below the water table and susceptible to infiltration and collapse. Payments are due semiannually on February 1 and August 1 through February 2012, including interest at 3.745%. The balance of the loan at April 30, 2010 is \$487,555.

The City was awarded a second loan of \$3,938,240 through the State of Illinois Environment Protection Agency Bureau of Water in August 2003. This loan financed the upgrade of the City's Regional Wastewater Treatment Facilities. Payments are due semiannually on January 27 and July 27 through January 2025, including interest at 2.50%. As of April 30, 2010, the balance outstanding on the loan was \$3,209,717.

The City was awarded a third loan of \$1,660,939 through the State of Illinois Environment Protection Agency Bureau of Water in October 2008. As of April 30, 2010, the City borrowed \$1,030,264 on this loan for manhole and sewer projects. The projects are still in process as of April 30, 2010. Payments are due semiannually on March 1 and September 1 through September 2029, including interest at 2.50%. As of April 30, 2010, the balance outstanding on the loan was \$1,030,264.

The City entered into a lease purchase agreement with the Bank of Edwardsville for an ambulance in December 2007. The agreement was for \$97,500 and is to be repaid in 3 installments of \$32,500 plus interest at 4.74%. The balance of the loan at April 30, 2010 is \$-0-.

The City entered into a loan with the Illinois Department of Transportation (IDOT) to construct rail track in the new industrial park in May 1999. The loan of \$725,914 is to be repaid by twenty annual installments through May 24, 2019. The annual installments, including interest at 3.00%, are \$48,793. The balance of the loan at April 30, 2010 is \$416,213.

The City entered into a loan with Ford Motor Credit to purchase two police vehicles in January 2009. The loan of \$103,942 is to be repaid in three annual installments through January 2010. The annual installments, including interest at 5.60%, are \$36,551. The balance of the loan at April 30, 2010 is \$-0-.

The City entered into a loan with Ford Motor Credit to purchase a two police vehicles in October 2008. The loan of \$55,077 is to be repaid in three annual installments through October 2010. The annual installments, including interest at 7.05%, are \$19,491. The balance of the loan at April 30, 2010 is \$18,337.

The City entered into a loan with Ford Motor Credit to purchase two police vehicles January 2009. The loan of \$53,459 is to be repaid in three annual installments through January 2011. The annual installments, including interest at 7.05%, are \$19,046. The balance of the loan at April 30, 2010 is \$17,793.

The City entered into a loan with Madison County Community Development to purchase fire truck in December 2008. The loan of \$297,007 is to be repaid in five annual installments through December 2013. The annual installments, including interest at 3.00%, are \$64,853. The balance of the loan at April 30, 2010 is \$241,064.

The City entered into a lease purchase agreement with Marquette Bank – Government Capital Corp to purchase a law enforcement computer system in June 2008. The loan of \$297,204 is to be repaid in five annual installments through July 2012. The annual installments, including interest at 5.0%, are \$65,372. The balance of the loan at April 30, 2010 is \$178,040.

The City entered into a lease purchase with Caterpillar Financial to purchase a paver, trailer and drum compactor for the Public Works Department in June 2006. The loan of \$318,208 is to be repaid in seven annual installments through June 2012. The annual installments, including interest at 5.385%, are \$52,914. The balance of the loan at April 30, 2010 is \$143,060.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2010

NOTE 14. LONG-TERM DEBT (Continued)

The City entered into a loan with Kansas State Bank to purchase a Mack truck in November 2009. The loan of \$85,095 is to be repaid in three annual installments through November 2011, with the first installment due at signing. The annual installments, including interest at 4.00%, are \$29,484. The balance of the loan at April 30, 2010 is \$56,279.

The City issued Local Government Program Revenue Bonds in September 2008. The bonds, totaling \$9,780,000 are payable from the incremental taxes of the Downtown Tax Increment Financing District (TIF 1). The bonds bear interest of between 4.5% and 7.0% and mature in varying amounts from 2009 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Downtown Tax Increment Financing District including renovations of the police and fire department, improvements to the youth center and YMCA and construction of a movie theater. The balance of the bonds at April 30, 2010 is \$9,495,000.

The City issued Southwestern Illinois Development Authority Local Government Program Revenue Bonds, Series 2009 (City of Granite City Project) in May 2009. The bonds, totaling \$3,640,000 are payable from the incremental taxes of the Route 3 Corridor Tax Increment Financing District (TIF 4). The bonds bear interest of 8.00% and mature in varying amounts from 2009 to 2019. The proceeds of the bond are to be used to finance redevelopment projects in the Route 3 Corridor Industrial Park Conservation Area including construction of commercial and retail development including a Lowe's Home Improvement store along with eight outlots. The balance of the bonds at April 30, 2010 is \$3,395,000.

The City issued Southwestern Illinois Development Authority Local Government Program Revenue Bonds, Series 2009-B (City of Granite City Project) in December 2009. The bonds, totaling \$3,805,000 are payable from the incremental taxes of the Route 3 Corridor Tax Increment Financing District (TIF 4). The bonds bear interest of 7.75% and mature in varying amounts from 2010 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Route 3 Corridor Industrial Park Conservation Area including construction of water and sewer improvements, the construction of street improvements and related costs. The balance of the bonds at April 30, 2010 is \$3,805,000.

The City issued Local Government Program Revenue Bonds, Series 2009-A in December 2009. The bonds, totaling \$4,210,000 are payable from the incremental taxes of the Route 203 Tax Increment Financing District (TIF 7). The bonds bear interest of 7.75% and mature in varying amounts from 2010 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Route 203 Redevelopment Project Area including construction of street improvements and related costs. The balance of the bonds at April 30, 2010 is \$4,210,000.

The annual requirements to retire the notes payable as of April 30, 2010 are as follows:

<u>Fiscal</u> <u>Year Ended</u> <u>April 30,</u>	<u>Governmental Activities</u>		<u>Business-Type Activities</u>	
	<u>Principal</u>	<u>Interest</u>	<u>Principal</u>	<u>Interest</u>
2011	\$ 764,140	\$ 1,573,509	\$ 449,031	\$ 111,381
2012	1,144,811	1,516,907	514,389	96,026
2013	1,268,270	1,443,870	241,738	83,897
2014	1,278,826	1,361,594	246,522	79,112
2015	1,598,460	1,288,333	251,428	74,206
2016-2020	9,885,000	4,462,266	1,335,155	293,016
2021-2025	5,980,000	866,214	1,437,984	150,484
2026-2030	-	-	257,568	70,000
	<u>\$ 21,919,507</u>	<u>\$ 12,512,693</u>	<u>\$ 4,733,815</u>	<u>\$ 958,122</u>

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2010

NOTE 14. LONG-TERM DEBT (Continued)

The following is a summary of changes in long-term liabilities for the year ended April 30, 2010:

	<u>Beginning</u> <u>Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending</u> <u>Balance</u>	<u>Amounts</u> <u>Due Within</u> <u>One Year</u>
Government Activities:					
Bond Payable:					
Tax Increment Revenue					
Bonds Series 2008	\$ 9,780,000	\$ -	\$ 285,000	\$ 9,495,000	\$ 320,000
Tax Increment Revenue					
Bonds Series 2009-C	-	3,640,000	245,000	3,395,000	175,000
Tax Increment Revenue					
Bonds Series 2009-B	-	3,805,000	-	3,805,000	-
Tax Increment Revenue					
Bonds Series 2009-A	-	4,210,000	-	4,210,000	-
Less Deferred Amounts:					
For Issuance Discounts	(200,304)	(346,572)	27,014	(519,862)	(46,969)
Total Bond Payable	<u>9,579,696</u>	<u>11,308,428</u>	<u>557,014</u>	<u>20,385,138</u>	<u>448,031</u>
Notes Payable:					
Ford Motor Credit	104,612	-	68,482	36,130	36,130
IL Dept of Transportation	451,462	-	35,249	416,213	73,702
Caterpillar Financial	185,960	-	42,900	143,060	45,210
Bank of Edwardsville	32,500	-	32,500	-	-
Marquette Bank	231,832	-	53,792	178,040	56,479
Madison County	297,007	-	55,943	241,064	57,621
Total Long-Term Liabilities	<u>10,883,069</u>	<u>11,308,428</u>	<u>845,880</u>	<u>21,399,645</u>	<u>717,173</u>
Other Liabilities:					
Net Pension Obligation	7,419,538	3,218,772	-	10,638,310	-
Compensated Absences	2,823,565	1,044,076	1,015,379	2,852,262	591,195
Total Other Liabilities	<u>10,243,103</u>	<u>4,262,848</u>	<u>1,015,379</u>	<u>13,490,572</u>	<u>591,195</u>
Governmental Activities					
Long-Term Liabilities	<u>\$ 21,126,172</u>	<u>\$ 15,571,276</u>	<u>\$ 1,861,259</u>	<u>\$ 34,890,217</u>	<u>\$ 1,308,368</u>
Business-Type Activities:					
Notes Payable:					
IL EPA (1)	\$ 718,097	\$ -	\$ 230,542	\$ 487,555	\$ 239,255
IL EPA (2)	3,386,278	-	176,561	3,209,717	181,003
IL EPA (3)	-	1,030,264	-	1,030,264	51,513
Kansas State Bank	-	85,095	28,816	56,279	27,260
Total Notes Payable	<u>4,104,375</u>	<u>1,115,359</u>	<u>435,919</u>	<u>4,783,815</u>	<u>499,031</u>
Other Liabilities:					
Compensated Absences	<u>286,825</u>	<u>160,181</u>	<u>166,201</u>	<u>280,805</u>	<u>95,605</u>
Business-Type Activities					
Long-Term Liabilities	<u>\$ 4,391,200</u>	<u>\$ 1,275,540</u>	<u>\$ 602,120</u>	<u>\$ 5,064,620</u>	<u>\$ 594,636</u>

NOTE 15. DEFICIT NET ASSETS

The City has deficit net assets in the Capital Projects Fund as of April 30, 2010 of \$21,277.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS

APRIL 30, 2011

NOTE 13. LONG-TERM DEBT

The City was awarded a \$3,558,682 loan in July 1990 through the State of Illinois Environmental Protection Agency Water Pollution Control Revolving Fund. This loan financed a program of rehabilitation of Nameoki Area Sewers by means of cured-in-place linings inserted into sewer lines which were identified as being routinely below the water table and susceptible to infiltration and collapse. Payments are due semiannually on February 1 and August 1 through February 2012, including interest at 3.745%. The balance of the loan at April 30, 2011 is \$248,300.

The City was awarded a second loan of \$3,938,240 through the State of Illinois Environment Protection Agency Bureau of Water in August 2003. This loan financed the upgrade of the City's Regional Wastewater Treatment Facilities. Payments are due semiannually on January 27 and July 27 through January 2025, including interest at 2.50%. As of April 30, 2011, the balance outstanding on the loan was \$3,028,714.

The City was awarded a third loan of \$1,660,939 through the State of Illinois Environment Protection Agency Bureau of Water in October 2008. This loan financed manhole and sewer projects. Payments are due semiannually on March 1 and September 1 through September 2029, including interest at 2.50%. As of April 30, 2011, the balance outstanding on the loan was \$1,387,646.

The City entered into a loan with the Illinois Department of Transportation (IDOT) to construct rail track in the new industrial park in May 1999. The loan of \$725,914 is to be repaid by twenty annual installments through May 24, 2019. The annual installments, including interest at 3.00%, are \$48,793. The balance of the loan at April 30, 2011 is \$379,907.

The City entered into a loan with Ford Motor Credit to purchase a two police vehicles in October 2008. The loan of \$55,077 is to be repaid in three annual installments through October 2010. The annual installments, including interest at 7.05%, are \$19,491. The balance of the loan at April 30, 2011 is \$-0-.

The City entered into a loan with Ford Motor Credit to purchase two police vehicles January 2009. The loan of \$53,459 is to be repaid in three annual installments through January 2011. The annual installments, including interest at 7.05%, are \$19,046. The balance of the loan at April 30, 2011 is \$-0-.

The City entered into a loan with Ford Motor Credit to purchase five police vehicles October 2010. The loan of \$134,635 is to be repaid in three annual installments through October 2012. The annual installments, including interest at 6.0%, are \$47,517. The balance of the loan at April 30, 2011 is \$87,118.

The City entered into a loan with Madison County Community Development to purchase fire truck in December 2008. The loan of \$297,007 is to be repaid in five annual installments through December 2013. The annual installments, including interest at 3.00%, are \$64,853. The balance of the loan at April 30, 2011 is \$183,443.

The City entered into a lease purchase agreement with Marquette Bank – Government Capital Corp to purchase a law enforcement computer system in June 2008. The loan of \$297,204 is to be repaid in five annual installments through July 2012. The annual installments, including interest at 5.0%, are \$65,372. The balance of the loan at April 30, 2011 is \$121,561.

The City entered into a lease purchase with Caterpillar Financial to purchase a paver, trailer and drum compactor for the Public Works Department in June 2006. The loan of \$318,208 is to be repaid in seven annual installments through June 2012. The annual installments, including interest at 5.385%, are \$52,914. The balance of the loan at April 30, 2011 is \$97,850.

The City entered into a loan with Kansas State Bank to purchase a Mack truck in November 2009. The loan of \$85,095 is to be repaid in three annual installments through November 2011, with the first installment due at signing. The annual installments, including interest at 4.00%, are \$29,484. The balance of the loan at April 30, 2011 is \$29,019.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2011

NOTE 13. LONG-TERM DEBT (Continued)

The City entered into a lease purchase agreement with the Bank of Edwardsville for a fire department truck in July 2010. The agreement was for \$20,570 and is to be repaid in four installments of \$5,739 plus interest at 4.87%. The balance of the loan at April 30, 2011 is \$20,570.

The City entered into a lease purchase agreement with the First Midwest Bank for the purchase of police CPU and phone system upgrades and ticket writers in October 2010. The agreement was for \$153,097 and is to be repaid in five installments of \$34,359 plus interest at 4.65%. The balance of the loan at April 30, 2011 is \$122,847.

The City entered into a loan with Madison County Community Development to finance infrastructure improvements of relocating high-pressure gas line and electric lines in May 2010. The loan of \$750,000 is to be repaid in twenty-eight quarterly installments through May 2017. The quarterly installments, including interest at 3.0%, are \$29,797. The balance of the loan at April 30, 2011 is \$676,940.

The City issued Local Government Program Revenue Bonds in September 2008. The bonds, totaling \$9,780,000 are payable from the incremental taxes of the Downtown Tax Increment Financing District (TIF 1). The bonds bear interest of between 4.5% and 7.0% and mature in varying amounts from 2009 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Downtown Tax Increment Financing District including renovations of the police and fire department, improvements to the youth center and YMCA and construction of a movie theater. The balance of the bonds at April 30, 2011 is \$9,000,000.

The City issued Southwestern Illinois Development Authority Local Government Program Revenue Bonds, Series 2009 (City of Granite City Project) in May 2009. The bonds, totaling \$3,640,000 are payable from the incremental taxes of the Route 3 Corridor Tax Increment Financing District (TIF 4). The bonds bear interest of 8.00% and mature in varying amounts from 2009 to 2019. The proceeds of the bond are to be used to finance redevelopment projects in the Route 3 Corridor Industrial Park Conservation Area including construction of commercial and retail development including a Lowe's Home Improvement store along with eight outlots. The balance of the bonds at April 30, 2011 is \$3,125,000.

The City issued Southwestern Illinois Development Authority Local Government Program Revenue Bonds, Series 2009-B (City of Granite City Project) in December 2009. The bonds, totaling \$3,805,000 are payable from the incremental taxes of the Route 3 Corridor Tax Increment Financing District (TIF 4). The bonds bear interest of 7.75% and mature in varying amounts from 2010 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Route 3 Corridor Industrial Park Conservation Area including construction of water and sewer improvements, the construction of street improvements and related costs. The balance of the bonds at April 30, 2011 is \$3,805,000.

The City issued Local Government Program Revenue Bonds, Series 2009-A in December 2009. The bonds, totaling \$4,210,000 are payable from the incremental taxes of the Route 203 Tax Increment Financing District (TIF 7). The bonds bear interest of 7.75% and mature in varying amounts from 2010 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Route 203 Redevelopment Project Area including construction of street improvements and related costs. The balance of the bonds at April 30, 2011 is \$4,210,000.

The City issued Local Government Program Revenue Bonds, Series 2010 in November 2010. The bonds, totaling \$3,485,000 are payable from the net revenues derived from the payments made pursuant to the Intergovernmental Agreements by the parties to the Intergovernmental Agreements. The bonds bear interest of between 2.0% and 4.2% and mature in varying amounts from 2011 to 2029. The proceeds of the bond are to be used to finance the acquisition and construction of extensions, improvements, and additions to the system, including but not limited to the construction of improvements to the wastewater treatment plant. The balance of the bonds at April 30, 2011 is \$3,485,000.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2011

NOTE 13. LONG-TERM DEBT (Continued)

The annual requirements to retire the notes payable as of April 30, 2011 are as follows:

<u>Fiscal</u> <u>Year Ended</u> <u>April 30,</u>	<u>Governmental Activities</u>		<u>Business-Type Activities</u>	
	<u>Principal</u>	<u>Interest</u>	<u>Principal</u>	<u>Interest</u>
2012	\$ 1,319,366	\$ 1,529,305	\$ 648,877	\$ 250,347
2013	1,449,925	1,449,168	377,636	226,662
2014	1,420,377	1,359,676	388,865	217,833
2015	1,563,727	1,267,324	395,252	207,395
2016	1,794,784	1,162,333	406,799	196,799
2017-2021	9,882,058	3,660,601	2,213,106	813,880
2022-2026	4,400,000	407,438	2,240,874	481,327
2027-2031	-	-	1,507,270	170,237
	<u>\$ 21,830,237</u>	<u>\$ 10,835,845</u>	<u>\$ 8,178,679</u>	<u>\$ 2,564,480</u>

The following is a summary of changes in long-term liabilities, net of unamortized costs, for the year ended April 30, 2011:

	<u>Beginning</u> <u>Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending</u> <u>Balance</u>	<u>Amounts</u> <u>Due Within</u> <u>One Year</u>
Government Activities:					
Bond Payable:					
Tax Increment Revenue					
Bonds Series 2008	\$ 9,495,000	\$ -	\$ 495,000	\$ 9,000,000	\$ 360,000
Tax Increment Revenue					
Bonds Series 2009-C	3,395,000	-	270,000	3,125,000	290,000
Tax Increment Revenue					
Bonds Series 2009-B	3,805,000	-	-	3,805,000	195,000
Tax Increment Revenue					
Bonds Series 2009-A	4,210,000	-	-	4,210,000	95,000
Less Unamortized Costs:					
Bond Discount	(519,862)	-	46,969	(472,893)	-
Issuance Costs	(414,184)	-	37,120	(377,064)	-
Total Bond Payable	<u>19,970,954</u>	<u>-</u>	<u>849,089</u>	<u>19,290,043</u>	<u>940,000</u>
Notes Payable:					
Ford Motor Credit	36,130	134,635	83,647	87,118	42,290
IL Dept of Transportation	416,213	-	36,306	379,907	37,396
Caterpillar Financial	143,060	-	45,210	97,850	47,644
Bank of Edwardsville	-	20,570	-	20,570	4,737
Marquette Bank	178,040	-	56,479	121,561	59,300
First Midwest Bank	-	153,097	30,250	122,847	28,653
Madison County	-	750,000	73,060	676,940	99,996
Madison County	241,064	-	57,621	183,443	59,350
Total Long-Term Liabilities	<u>20,985,461</u>	<u>1,058,302</u>	<u>1,231,662</u>	<u>20,980,279</u>	<u>1,319,366</u>
Other Liabilities:					
Net Pension Obligation	10,638,310	3,150,677	-	13,788,987	-
Compensated Absences	2,852,262	1,108,699	931,845	3,029,116	637,794
Total Other Liabilities	<u>13,490,572</u>	<u>4,259,376</u>	<u>931,845</u>	<u>16,818,103</u>	<u>637,794</u>
Governmental Activities					
Long-Term Liabilities	<u>\$ 34,476,033</u>	<u>\$ 5,317,678</u>	<u>\$ 2,163,507</u>	<u>\$ 37,798,382</u>	<u>\$ 1,957,160</u>

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2011

NOTE 13. LONG-TERM DEBT (Continued)

	<u>Beginning</u> <u>Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending</u> <u>Balance</u>	<u>Amounts</u> <u>Due Within</u> <u>One Year</u>
Business-Type Activities:					
Bond Payable:					
Revenue Bonds					
Series 2010	\$ -	\$ 3,485,000	\$ -	\$ 3,485,000	\$ 130,000
Less Unamortized Costs:					
Bond Premium	-	14,638	(366)	14,272	-
Insurance Costs	-	(163,337)	4,083	(159,254)	-
Total Bond Payable	<u>-</u>	<u>3,336,301</u>	<u>3,717</u>	<u>3,340,018</u>	<u>130,000</u>
Notes Payable:					
IL EPA (1)	\$ 487,555	\$ -	\$ 239,255	\$ 248,300	\$ 248,300
IL EPA (2)	3,209,717	-	181,003	3,028,714	185,556
IL EPA (3)	1,030,264	357,382	-	1,387,646	56,002
Kansas State Bank	56,279	-	27,260	29,019	29,019
Total Long-Term Liabilities	<u>4,783,815</u>	<u>3,693,683</u>	<u>451,235</u>	<u>8,033,697</u>	<u>648,877</u>
Other Liabilities:					
Compensated Absences	<u>280,805</u>	<u>166,699</u>	<u>155,071</u>	<u>292,433</u>	<u>99,815</u>
Business-Type Activities					
Long-Term Liabilities	<u>\$ 5,064,620</u>	<u>\$ 3,860,382</u>	<u>\$ 606,306</u>	<u>\$ 8,326,130</u>	<u>\$ 748,692</u>

NOTE 14. DEFICIT NET ASSETS

The City has deficit net assets in the following nonmajor funds: Cinema Fund and the Capital Projects Fund as of April 30, 2011 of \$94,501 and \$20,954, respectively.

NOTE 15. LEASE REVENUE

The City of Granite City leases certain properties to area businesses. These leases are non-cancelable operating leases. A summary of the leases is as follows:

<u>Location</u>	<u>Current</u> <u>Annual Payment</u>	<u>Expiration</u> <u>(Including Extensions)</u>
2679 Missouri Ave	\$ 12,000	November 2028
Iowa & 24th Street	3,900	September 2013
2001 Madison Avenue	226,600	January 2060
Signage	1,600	June 2011

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2012

NOTE 16. CAPITAL ASSETS (Continued)

Depreciation expense was charge to the various functions/programs of the City as follows:

Governmental Activities:	
General Government	\$ 296,024
Public Safety	591,537
Public Works	318,392
Total Depreciation Expense - Governmental Activities	<u>\$ 1,205,953</u>
Business-Type Activities:	
Wastewater Treatment Plant	\$ 643,105
Sewer System Fund	231,646
Total Depreciation Expense - Business-Type Activities	<u>\$ 874,751</u>

NOTE 17. CONDUIT DEBT OBLIGATIONS

During the year ended April 30, 2007, the City issued two Industrial Project Revenue Bonds to provide financial assistance to private sector entities for the acquisition and construction of facilities deemed to be in the public interest. The bonds are secured by the property financed and are payable solely from payments received on the underlying mortgage loans. The bonds for the two projects are \$1,800,000 and \$2,650,000 respectively. Upon repayment of the bonds, ownership of the acquired facilities transfers to the private sector entities served by the bond issuance. Neither the City, the State, nor any political subdivision thereof is obligated in any manner for repayment of the bonds. Accordingly, the bonds are not reported as liabilities in the accompanying financial statements.

During the year ended April 30, 2006, the City issued \$1,000,000 of Industrial Project Revenue Bonds to provide financial assistance to a private-sector entity for the acquisition and construction of facilities deemed to be in the public interest. The bonds are secured by the property financed and are payable solely from payments received on the underlying mortgage loans. Upon repayment of the bonds, ownership of the acquired facilities transfers to the private-sector entity served by the bond issuance. Neither the City, the State, nor any political subdivision thereof is obligated in any manner for repayment of the bonds. Accordingly, these bonds are also not reported as liabilities in the accompanying financial statements.

NOTE 18. LONG-TERM DEBT

The City was awarded a \$3,558,682 loan in July 1990 through the State of Illinois Environmental Protection Agency Water Pollution Control Revolving Fund. This loan financed a program of rehabilitation of Nameoki Area Sewers by means of cured-in-place linings inserted into sewer lines which were identified as being routinely below the water table and susceptible to infiltration and collapse. Payments are due semiannually on February 1 and August 1 through February 2012, including interest at 3.745%. The balance of the loan at April 30, 2012 is \$-0-.

The City was awarded a second loan of \$3,938,240 through the State of Illinois Environment Protection Agency Bureau of Water in August 2003. This loan financed the upgrade of the City's Regional Wastewater Treatment Facilities. Payments are due semiannually on January 27 and July 27 through January 2025, including interest at 2.50%. As of April 30, 2012, the balance outstanding on the loan was \$2,843,158.

The City was awarded a third loan of \$1,660,939 through the State of Illinois Environment Protection Agency Bureau of Water in October 2008. This loan financed manhole and sewer projects. Payments are due semiannually on March 1 and September 1 through September 2029, including interest at 2.50%. As of April 30, 2012, the balance outstanding on the loan was \$1,624,844.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2012

NOTE 18. LONG-TERM DEBT (Continued)

The City was awarded a four loan of \$8,000,000 through the State of Illinois Environment Protection Agency Water Pollution Control Loan Program in September 2011. Upon completion of the project \$2,000,000 of the loan will be forgiven and the additional funds will be repaid with an interest rate of 1.25%. This loan financed sewer rehabilitation projects. Payments are due semiannually on May 1 and November 1 through 2032. As of April 30, 2012, the balance outstanding on the loan was \$1,460,365.

The City was awarded a fifth loan of \$2,000,000 through the State of Illinois Environment Protection Agency Water Pollution Control Loan Program in September 2011. Upon completion of the project \$500,000 of the loan will be forgiven and the additional funds will be repaid with an interest rate of 1.25%. This loan financed improvement to the wastewater treatment plant. Payments are due semiannually on March 1 and September 1 through 2032. As of April 30, 2012, the balance outstanding on the loan was \$185,011.

The City entered into a loan with the Illinois Department of Transportation (IDOT) to construct rail track in the new industrial park in May 1999. The loan of \$725,914 is to be repaid by twenty annual installments through May 24, 2019. The annual installments, including interest at 3.00%, are \$48,793. The balance of the loan at April 30, 2012 is \$342,511.

The City entered into a loan with Ford Motor Credit to purchase a four police vehicles in September 2011. The loan of \$115,787 is to be repaid in three annual installments through September 2013. The annual installments, including interest at 6.00%, are \$41,015. The balance of the loan at April 30, 2012 is \$74,772.

The City entered into a lease purchase agreement with the Bank of Edwardsville for a Mack Truck and two Schien Trailers in December 2011. The agreement was for \$211,000 and is to be repaid in three installments of \$72,767, including interest at 3.47%. The balance of the loan at April 30, 2012 is \$138,294.

The City entered into a loan with Ford Motor Credit to purchase five police vehicles October 2010. The loan of \$134,635 is to be repaid in three annual installments through October 2012. The annual installments, including interest at 6.0%, are \$47,517. The balance of the loan at April 30, 2012 is \$44,828.

The City entered into a loan with Madison County Community Development to purchase fire truck in December 2008. The loan of \$297,007 is to be repaid in five annual installments through December 2013. The annual installments, including interest at 3.00%, are \$64,853. The balance of the loan at April 30, 2012 is \$124,093.

The City entered into a lease purchase agreement with Marquette Bank – Government Capital Corp to purchase a law enforcement computer system in June 2008. The loan of \$297,204 is to be repaid in five annual installments through July 2012. The annual installments, including interest at 5.0%, are \$65,372. The balance of the loan at April 30, 2012 is \$62,261.

The City entered into a lease purchase with Caterpillar Financial to purchase a paver, trailer and drum compactor for the Public Works Department in June 2006. The loan of \$318,208 is to be repaid in seven annual installments through June 2012. The annual installments, including interest at 5.385%, are \$52,914. The balance of the loan at April 30, 2012 is \$50,206.

The City entered into a loan with Kansas State Bank to purchase a Mack truck in November 2009. The loan of \$85,095 is to be repaid in three annual installments through November 2011, with the first installment due at signing. The annual installments, including interest at 4.00%, are \$29,484. The balance of the loan at April 30, 2012 is \$-0-.

The City entered into a lease purchase agreement with the Bank of Edwardsville for a fire department truck in July 2010. The agreement was for \$20,570 and is to be repaid in four installments of \$5,739 plus interest at 4.87%. The balance of the loan at April 30, 2012 is \$15,833.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2012

NOTE 18. LONG-TERM DEBT (Continued)

The City entered into a lease purchase agreement with the First Midwest Bank for the purchase of police CPU and phone system upgrades and ticket writers in October 2010. The agreement was for \$153,097 and is to be repaid in five installments of \$34,359 plus interest at 4.65%. The balance of the loan at April 30, 2012 is \$94,194.

The City entered into a loan with Madison County Community Development to finance infrastructure improvements of relocating high-pressure gas line and electric lines in May 2010. The loan of \$750,000 is to be repaid in twenty-eight quarterly installments through May 2017. The quarterly installments, including interest at 3.0%, are \$29,797. The balance of the loan at April 30, 2012 is \$576,944.

The City issued Local Government Program Revenue Bonds in September 2008. The bonds, totaling \$9,780,000 are payable from the incremental taxes of the Downtown Tax Increment Financing District (TIF 1). The bonds bear interest of between 4.5% and 7.0% and mature in varying amounts from 2009 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Downtown Tax Increment Financing District including renovations of the police and fire department, improvements to the youth center and YMCA and construction of a movie theater. The balance of the bonds at April 30, 2012 is \$8,465,000.

The City issued Southwestern Illinois Development Authority Local Government Program Revenue Bonds, Series 2009 (City of Granite City Project) in May 2009. The bonds, totaling \$3,640,000 are payable from the incremental taxes of the Route 3 Corridor Tax Increment Financing District (TIF 4). The bonds bear interest of 8.00% and mature in varying amounts from 2009 to 2019. The proceeds of the bond are to be used to finance redevelopment projects in the Route 3 Corridor Industrial Park Conservation Area including construction of commercial and retail development including a Lowe's Home Improvement store along with eight outlets. The balance of the bonds at April 30, 2012 is \$2,820,000.

The City issued Southwestern Illinois Development Authority Local Government Program Revenue Bonds, Series 2009-B (City of Granite City Project) in December 2009. The bonds, totaling \$3,805,000 are payable from the incremental taxes of the Route 3 Corridor Tax Increment Financing District (TIF 4). The bonds bear interest of 7.75% and mature in varying amounts from 2010 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Route 3 Corridor Industrial Park Conservation Area including construction of water and sewer improvements, the construction of street improvements and related costs. The balance of the bonds at April 30, 2012 is \$3,610,000.

The City issued Local Government Program Revenue Bonds, Series 2009-A in December 2009. The bonds, totaling \$4,210,000 are payable from the incremental taxes of the Route 203 Tax Increment Financing District (TIF 7). The bonds bear interest of 7.75% and mature in varying amounts from 2010 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Route 203 Redevelopment Project Area including construction of street improvements and related costs. The balance of the bonds at April 30, 2012 is \$4,115,000.

The City issued Local Government Program Revenue Bonds, Series 2010 in November 2010. The bonds, totaling \$3,485,000 are payable from the net revenues derived from the payments made pursuant to the Intergovernmental Agreements by the parties to the Intergovernmental Agreements. The bonds bear interest of between 2.0% and 4.2% and mature in varying amounts from 2011 to 2029. The proceeds of the bond are to be used to finance the acquisition and construction of extensions, improvements, and additions to the system, including but not limited to the construction of improvements to the wastewater treatment plant. The balance of the bonds at April 30, 2012 is \$3,355,000.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2012

NOTE 18. LONG-TERM DEBT (Continued)

The annual requirements to retire the notes payable as of April 30, 2012 are as follows:

<u>Fiscal</u> <u>Year Ended</u> <u>April 30,</u>	<u>Governmental Activities</u>		<u>Business-Type Activities</u>	
	<u>Principal</u>	<u>Interest</u>	<u>Principal</u>	<u>Interest</u>
2013	\$ 1,554,420	\$ 1,347,124	\$ 399,145	\$ 233,328
2014	1,528,947	1,351,838	382,030	224,667
2015	1,563,727	1,254,274	388,244	214,403
2016	1,794,784	1,149,283	399,616	203,982
2017	2,960,112	1,136,147	1,041,145	583,971
2018-2022	9,631,946	2,739,941	2,349,591	762,434
2023-2027	1,500,000	105,400	2,177,540	284,797
2028-2032	-	-	2,331,065	45,006
	<u>\$ 20,533,936</u>	<u>\$ 9,084,007</u>	<u>\$ 9,468,376</u>	<u>\$ 2,552,588</u>

The following is a summary of changes in long-term liabilities, net of unamortized costs, for the year ended April 30, 2012:

	<u>Beginning</u> <u>Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending</u> <u>Balance</u>	<u>Amounts</u> <u>Due Within</u> <u>One Year</u>
Government Activities:					
Bond Payable:					
Tax Increment Revenue					
Bonds Series 2008	\$ 9,000,000	\$ -	\$ 535,000	\$ 8,465,000	\$ 405,000
Tax Increment Revenue	-				
Bonds Series 2009-C	3,125,000	-	305,000	2,820,000	315,000
Tax Increment Revenue					
Bonds Series 2009-B	3,805,000	-	195,000	3,610,000	220,000
Tax Increment Revenue					
Bonds Series 2009-A	4,210,000	-	95,000	4,115,000	115,000
Less Unamortized Costs:					
Bond Discount	(472,893)	-	46,969	(425,924)	-
Issuance Costs	(377,064)	-	37,120	(339,944)	-
Total Bond Payable	<u>19,290,043</u>	<u>-</u>	<u>1,214,089</u>	<u>18,244,132</u>	<u>1,055,000</u>
Notes Payable:					
Ford Motor Credit	87,118	115,787	83,305	119,600	81,357
IL Dept of Transportation	379,907	-	37,396	342,511	38,518
Caterpillar Financial	97,850	-	47,644	50,206	50,206
Bank of Edwardsville	20,570	211,000	77,443	154,127	72,935
Marquette Bank	121,561	-	59,300	62,261	62,261
First Midwest Bank	122,847	-	28,653	94,194	29,984
Madison County	676,940	-	99,996	576,944	103,029
Madison County	183,443	-	59,350	124,093	61,130
Total Long-Term Liabilities	<u>20,980,279</u>	<u>326,787</u>	<u>1,707,176</u>	<u>19,768,068</u>	<u>1,554,420</u>
Other Liabilities:					
Net Pension Obligation	13,788,987	3,283,570	-	17,072,557	-
Compensated Absences	3,029,116	1,305,022	1,090,752	3,243,386	637,794
Total Other Liabilities	<u>16,818,103</u>	<u>4,588,592</u>	<u>1,090,752</u>	<u>20,315,943</u>	<u>637,794</u>
Governmental Activities					
Long-Term Liabilities	<u>\$ 37,798,382</u>	<u>\$ 4,915,379</u>	<u>\$ 2,797,928</u>	<u>\$ 40,084,011</u>	<u>\$ 2,192,214</u>

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2012

NOTE 18. LONG-TERM DEBT (Continued)

	<u>Beginning</u> <u>Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending</u> <u>Balance</u>	<u>Amounts</u> <u>Due Within</u> <u>One Year</u>
Business-Type Activities:					
Bond Payable:					
Revenue Bonds					
Series 2010	\$ 3,485,000	\$ -	\$ 130,000	\$ 3,355,000	\$ 130,000
Less Unamortized Costs:					
Bond Premium	14,272	-	(732)	13,540	-
Insurance Costs	(159,254)	-	8,167	(151,087)	-
Total Bond Payable	<u>3,340,018</u>	<u>-</u>	<u>137,435</u>	<u>3,217,453</u>	<u>130,000</u>
Notes Payable:					
IL EPA (1)	\$ 248,300	\$ -	\$ 248,300	\$ -	\$ -
IL EPA (2)	3,028,714	-	185,556	2,843,158	190,225
IL EPA (3)	1,387,646	265,025	27,827	1,624,844	78,920
IL EPA (4)	-	1,460,365	-	1,460,365	-
IL EPA (5)	-	185,011	-	185,011	-
Kansas State Bank	29,019	-	29,019	-	-
Total Long-Term Liabilities	<u>8,033,697</u>	<u>1,910,401</u>	<u>628,137</u>	<u>9,330,831</u>	<u>399,145</u>
Other Liabilities:					
Compensated Absences	<u>292,433</u>	<u>176,961</u>	<u>159,534</u>	<u>309,860</u>	<u>101,208</u>
Business-Type Activities					
Long-Term Liabilities	<u>\$ 8,326,130</u>	<u>\$ 2,087,362</u>	<u>\$ 787,671</u>	<u>\$ 9,640,691</u>	<u>\$ 500,353</u>

NOTE 19. STATEMENT OF LEGAL DEBT MARGIN

Assessed Valuation as of December 31, 2011	<u>\$ 569,755,541</u>
Debt Limit, 8.625% of Assessed Valuation	\$ 49,141,415
Less, Contractual Indebtedness	<u>26,647,314</u>
Legal Debt Margin	<u>\$ 22,494,101</u>

NOTE 20. LEASE REVENUE

The City of Granite City leases certain properties to area businesses. These leases are non-cancelable operating leases. A summary of the leases is as follows:

<u>Location</u>	<u>Current</u> <u>Annual Payment</u>	<u>Expiration</u> <u>(Including Extensions)</u>
2679 Missouri Ave	\$ 12,000	November 2028
Iowa & 24th Street	3,900	September 2013
2001 Madison Avenue	226,600	January 2060
Signage	1,600	June 2011

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2013

NOTE 17. CAPITAL ASSETS (Continued)

Depreciation expense was charge to the various functions/programs of the City as follows:

Governmental Activities:	
General Government	\$ 309,491
Public Safety	568,060
Public Works	346,010
Total Depreciation Expense - Governmental Activities	<u>\$ 1,223,561</u>
Business-Type Activities:	
Wastewater Treatment Plant	\$ 580,271
Sewer System Fund	230,831
Total Depreciation Expense - Business-Type Activities	<u>\$ 811,102</u>

NOTE 18. CONDUIT DEBT OBLIGATIONS

During the year ended April 30, 2007, the City issued two Industrial Project Revenue Bonds to provide financial assistance to private sector entities for the acquisition and construction of facilities deemed to be in the public interest. The bonds are secured by the property financed and are payable solely from payments received on the underlying mortgage loans. The bonds for the two projects are \$1,800,000 and \$2,650,000 respectively. Upon repayment of the bonds, ownership of the acquired facilities transfers to the private sector entities served by the bond issuance. Neither the City, the State, nor any political subdivision thereof is obligated in any manner for repayment of the bonds. Accordingly, the bonds are not reported as liabilities in the accompanying financial statements.

During the year ended April 30, 2006, the City issued \$1,000,000 of Industrial Project Revenue Bonds to provide financial assistance to a private-sector entity for the acquisition and construction of facilities deemed to be in the public interest. The bonds are secured by the property financed and are payable solely from payments received on the underlying mortgage loans. Upon repayment of the bonds, ownership of the acquired facilities transfers to the private-sector entity served by the bond issuance. Neither the City, the State, nor any political subdivision thereof is obligated in any manner for repayment of the bonds. Accordingly, these bonds are also not reported as liabilities in the accompanying financial statements.

NOTE 19. LONG-TERM DEBT

GOVERNMENTAL ACTIVITY DEBT

Bonded Indebtedness

The City issued Local Government Program Revenue Bonds in September 2008. The bonds, totaling \$9,780,000 are payable from the incremental taxes of the Downtown Tax Increment Financing District (TIF 1). The bonds bear interest of between 4.5% and 7.0% and mature in varying amounts from 2009 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Downtown Tax Increment Financing District including renovations of the police and fire department, improvements to the youth center and YMCA and construction of a movie theater. The bonds were advance refunded by the 2012 Series bonds.

The City issued Southwestern Illinois Development Authority Local Government Program Revenue Bonds, Series 2009 (City of Granite City Project) in May 2009. The bonds, totaling \$3,640,000 are payable from the incremental taxes of the Route 3 Corridor Tax Increment Financing District (TIF 4). The bonds bear interest of 8.00% and mature in varying amounts from 2009 to 2019. The proceeds of the bond are to be used to finance redevelopment projects in the Route 3 Corridor Industrial Park Conservation Area including construction of commercial and retail development including a Lowe's Home Improvement store along with eight outlots. The balance of the bonds at April 30, 2013 is \$2,440,000.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2013

NOTE 19. LONG-TERM DEBT (Continued)

The City issued Southwestern Illinois Development Authority Local Government Program Revenue Bonds, Series 2009-B (City of Granite City Project) in December 2009. The bonds, totaling \$3,805,000 are payable from the incremental taxes of the Route 3 Corridor Tax Increment Financing District (TIF 4). The bonds bear interest of 7.75% and mature in varying amounts from 2010 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Route 3 Corridor Industrial Park Conservation Area including construction of water and sewer improvements, the construction of street improvements and related costs. The balance of the bonds at April 30, 2013 is \$3,265,000.

The City issued Local Government Program Revenue Bonds, Series 2009-A in December 2009. The bonds, totaling \$4,210,000 are payable from the incremental taxes of the Route 203 Tax Increment Financing District (TIF 7). The bonds bear interest of 7.75% and mature in varying amounts from 2010 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Route 203 Redevelopment Project Area including construction of street improvements and related costs. The balance of the bonds at April 30, 2013 is \$4,000,000.

On December 1, 2012, the City issued \$9,820,000 in General Obligation Alternative Source Bonds with an average interest of 5.25% to advance refund \$8,060,000 of outstanding 2008 Series bonds with an average interest rate of approximately 7.00%. The net proceeds of the issuance (after the addition of the bond premium of \$186,580 and subtraction of the cost of issuance and underwriter's discount totaling \$340,120) plus an additional \$1,325,805 of 2008 sinking fund monies were used to purchase U.S. government securities. Those securities were deposited in an irrevocable trust with an escrow agent to provide for all future debt service payments on the 2008 Series bonds. As a result the 2008 Series bonds are considered to be defeased and the liability for those bonds has been removed from the government-wide financial statement of net position.

The advance refunding resulted in a difference between the reacquisition price and the net carrying amount of the old debt of \$2,422,965. This difference, reported in the accompanying financial statements as deduction from bonds payable, is being charged to operations through the year 2023 using the effective-interest method. The City completed the advance refunding to remove undesirable covenants of the old bond issue and reduce current annual debt service requirements resulted in an economic loss (difference between the present values of the old and new debt service payments) of \$570,984.

Notes Payable

The City entered into a loan with Ford Motor Credit to purchase five police vehicles October 2010. The loan of \$134,635 is to be repaid in three annual installments through October 2012. The annual installments, including interest at 6.0%, are \$47,517. The balance of the loan at April 30, 2013 is \$-0-.

The City entered into a loan with Ford Motor Credit to purchase a four police vehicles in September 2011. The loan of \$115,787 is to be repaid in three annual installments through September 2013. The annual installments, including interest at 6.00%, are \$41,015. The balance of the loan at April 30, 2013 is \$38,243.

The City entered into a loan with Ford Motor Credit to purchase a four police vehicles in September 2012. The loan of \$122,471 is to be repaid in three annual installments through September 2013. The annual installments, including interest at 6.00%, are \$43,224. The balance of the loan at April 30, 2013 is \$79,247.

The City entered into a loan with the Illinois Department of Transportation (IDOT) to construct rail track in the new industrial park in May 1999. The loan of \$725,914 is to be repaid by twenty annual installments through May 24, 2019. The annual installments, including interest at 3.00%, are \$48,793. The balance of the loan at April 30, 2013 is \$264,321.

The City entered into a lease purchase with Caterpillar Financial to purchase a paver, trailer and drum compactor for the Public Works Department in June 2006. The loan of \$318,208 is to be repaid in seven annual installments through June 2012. The annual installments, including interest at 5.385%, are \$52,914. The balance of the loan at April 30, 2013 is \$-0-.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2013

NOTE 19. LONG-TERM DEBT (Continued)

The City entered into a lease purchase agreement with the Bank of Edwardsville for a Mack Truck and two Schien Trailers in December 2011. The agreement was for \$211,000 and is to be repaid in three installments of \$72,767, including interest at 3.47%. The balance of the loan at April 30, 2013 is \$70,327.

The City entered into a lease purchase agreement with the Bank of Edwardsville for a fire department truck in July 2010. The agreement was for \$20,570 and is to be repaid in four installments of \$5,739 plus interest at 4.87%. The balance of the loan at April 30, 2013 is \$10,865.

The City entered into a lease purchase agreement with Marquette Bank – Government Capital Corp to purchase a law enforcement computer system in June 2008. The loan of \$297,204 is to be repaid in five annual installments through July 2012. The annual installments, including interest at 5.0%, are \$65,372. The balance of the loan at April 30, 2012 is \$-0-.

The City entered into a lease purchase agreement with the First Midwest Bank for the purchase of police CPU and phone system upgrades and ticket writers in October 2010. The agreement was for \$153,097 and is to be repaid in five installments of \$34,359 plus interest at 4.65%. The balance of the loan at April 30, 2013 is \$64,211.

The City entered into a loan with Madison County Community Development to finance infrastructure improvements of relocating high-pressure gas line and electric lines in May 2010. The loan of \$750,000 is to be repaid in twenty-eight quarterly installments through May 2017. The quarterly installments, including interest at 3.0%, are \$29,797. The balance of the loan at April 30, 2013 is \$473,914.

The City entered into a loan with Madison County Community Development to purchase fire truck in December 2008. The loan of \$297,007 is to be repaid in five annual installments through December 2013. The annual installments, including interest at 3.00%, are \$64,853. The balance of the loan at April 30, 2013 is \$62,963.

BUSINESS TYPE ACTIVITY DEBT

The City was awarded a second loan of \$3,938,240 through the State of Illinois Environment Protection Agency Bureau of Water in August 2003. This loan financed the upgrade of the City's Regional Wastewater Treatment Facilities. Payments are due semiannually on January 27 and July 27 through January 2025, including interest at 2.50%. As of April 30, 2013, the balance outstanding on the loan was \$2,652,934.

The City was awarded a third loan of \$1,660,939 through the State of Illinois Environment Protection Agency Bureau of Water in October 2008. This loan financed manhole and sewer projects. Payments are due semiannually on March 1 and September 1 through September 2029, including interest at 2.50%. As of April 30, 2013, the balance outstanding on the loan was \$1,580,493.

The City was awarded a four loan of \$8,000,000 through the State of Illinois Environment Protection Agency Water Pollution Control Loan Program in September 2011. Upon completion of the project \$2,000,000 of the loan will be forgiven and the additional funds will be repaid with an interest rate of 1.25%. This loan financed sewer rehabilitation projects. Payments are due semiannually on May 1 and November 1 through 2032. As of April 30, 2013, the balance outstanding on the loan was \$5,724,024.

The City was awarded a fifth loan of \$2,000,000 through the State of Illinois Environment Protection Agency Water Pollution Control Loan Program in September 2011. Upon completion of the project \$500,000 of the loan will be forgiven and the additional funds will be repaid with an interest rate of 1.25%. This loan financed improvement to the wastewater treatment plant. Payments are due semiannually on March 1 and September 1 through 2032. As of April 30, 2013, the balance outstanding on the loan was \$1,517,037.

The City issued Local Government Program Revenue Bonds, Series 2010 in November 2010. The bonds, totaling \$3,485,000 are payable from the net revenues derived from the payments made pursuant to the Intergovernmental Agreements by the parties to the Intergovernmental Agreements. The bonds bear interest of between 2.0% and 4.2% and mature in varying amounts from 2011 to 2029. The proceeds of the bond are to be used to finance the acquisition and construction of extensions, improvements, and additions to the system, including but not limited to the construction of improvements to the wastewater treatment plant. The balance of the bonds at April 30, 2013 is \$3,225,000.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2013

NOTE 19. LONG-TERM DEBT (Continued)

The following is a summary of changes in long-term liabilities, net of unamortized costs, for the year ended April 30, 2013:

	<u>Beginning</u> <u>Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending</u> <u>Balance</u>	<u>Amounts</u> <u>Due Within</u> <u>One Year</u>
Government Activities:					
Bond Payable:					
Tax Increment Revenue					
Bonds Series 2008	\$ 8,465,000	\$ -	\$ 8,465,000	\$ -	\$ -
Tax Increment Revenue					
Bond Series 2012 Refunding	-	9,820,000	345,000	9,475,000	-
Tax Increment Revenue					
Bonds Series 2009-C	2,820,000	-	380,000	2,440,000	340,000
Tax Increment Revenue					
Bonds Series 2009-B	3,610,000	-	345,000	3,265,000	245,000
Tax Increment Revenue					
Bonds Series 2009-A	4,115,000	-	115,000	4,000,000	135,000
Less Unamortized Costs:					
Bond Discount	(400,326)	-	270,655	(129,671)	-
Bond Premium	25,598	186,580	(30,262)	181,916	-
Issuance Costs (Note 22)	(339,944)	-	339,944	-	-
Deferred Charge on Refunding	-	(2,547,675)	124,710	(2,422,965)	-
Total Bond Payable	<u>18,295,328</u>	<u>7,458,905</u>	<u>10,355,047</u>	<u>16,809,280</u>	<u>720,000</u>
Notes Payable:					
Ford Motor Credit	44,828	-	44,828	-	-
Ford Motor Credit	74,772	-	36,529	38,243	38,243
Ford Motor Credit	-	122,471	43,224	79,247	38,469
IL Dept of Transportation	342,511	-	78,190	264,321	40,863
Caterpillar Financial	50,206	-	50,206	-	-
Bank of Edwardsville	138,294	-	67,967	70,327	70,327
Bank of Edwardsville	15,833	-	4,968	10,865	5,210
Marquette Bank	62,261	-	62,261	-	-
First Midwest Bank	94,194	-	29,983	64,211	31,376
Madison County	576,944	-	103,030	473,914	106,155
Madison County	124,093	-	61,130	62,963	62,963
Total Long-Term Liabilities	<u>19,819,264</u>	<u>7,581,376</u>	<u>10,937,363</u>	<u>17,873,371</u>	<u>1,113,606</u>
Other Liabilities:					
Net Pension Obligation	17,072,557	3,380,902	-	20,453,459	-
Compensated Absences	3,245,386	1,157,640	1,139,440	3,263,586	664,332
Total Other Liabilities	<u>20,317,943</u>	<u>4,538,542</u>	<u>1,139,440</u>	<u>23,717,045</u>	<u>664,332</u>
Governmental Activities					
Long-Term Liabilities	<u>\$ 40,137,207</u>	<u>\$ 12,119,918</u>	<u>\$ 12,076,803</u>	<u>\$ 41,590,416</u>	<u>\$ 1,777,938</u>

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2013

NOTE 19. LONG-TERM DEBT (Continued)

	<u>Beginning</u> <u>Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending</u> <u>Balance</u>	<u>Amounts</u> <u>Due Within</u> <u>One Year</u>
Business-Type Activities:					
Bond Payable:					
Revenue Bonds					
Series 2010	\$ 3,355,000	\$ -	\$ 130,000	\$ 3,225,000	\$ 135,000
Less Unamortized Costs:					
Bond Premium	13,540	-	732	12,808	-
Issurance Costs (Note 22)	(151,087)	151,087	-	-	-
Total Bond Payable	<u>3,217,453</u>	<u>151,087</u>	<u>130,732</u>	<u>3,237,808</u>	<u>135,000</u>
Notes Payable:					
IL EPA (1)	\$ 2,843,158	\$ -	\$ 190,224	\$ 2,652,934	\$ 195,009
IL EPA (2)	1,624,844	47,195	91,546	1,580,493	73,001
IL EPA (3)	1,460,365	4,263,659	-	5,724,024	253,594
IL EPA (4)	185,011	1,332,015	-	1,517,026	67,210
Total Long-Term Liabilities	<u>9,330,831</u>	<u>5,793,956</u>	<u>412,502</u>	<u>14,712,285</u>	<u>723,814</u>
Other Liabilities:					
Compensated Absences	<u>309,860</u>	<u>176,569</u>	<u>161,384</u>	<u>325,045</u>	<u>101,208</u>
Business-Type Activities					
Long-Term Liabilities	<u>\$ 9,640,691</u>	<u>\$ 5,970,525</u>	<u>\$ 573,886</u>	<u>\$ 15,037,330</u>	<u>\$ 825,022</u>

The annual requirements to retire the notes payable as of April 30, 2013 are as follows:

<u>Fiscal</u> <u>Year Ended</u> <u>April 30,</u>	<u>Governmental Activities</u>		<u>Business-Type Activities</u>	
	<u>Principal</u>	<u>Interest</u>	<u>Principal</u>	<u>Interest</u>
2014	\$ 1,113,606	\$ 1,303,491	\$ 723,814	\$ 312,889
2015	1,100,732	1,230,883	734,579	298,074
2016	1,231,047	1,153,708	749,566	283,964
2017	1,926,411	1,158,234	766,774	267,480
2018	1,329,922	906,929	783,214	251,615
2019-2023	13,542,373	3,313,598	4,171,079	1,002,337
2024-2028	-	-	3,811,728	526,275
2029-2033	-	-	2,958,724	120,262
	<u>\$ 20,244,091</u>	<u>\$ 9,066,843</u>	<u>\$ 14,699,478</u>	<u>\$ 3,062,896</u>

NOTE 20. STATEMENT OF LEGAL DEBT MARGIN

Assessed Valuation as of December 31, 2012	<u>\$ 325,774,268</u>
Debt Limit, 8.625% of Assessed Valuation	\$ 28,098,031
Less, Contractual Indebtedness	<u>12,538,568</u>
Legal Debt Margin	<u>\$ 15,559,463</u>

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2014

NOTE 17. CAPITAL ASSETS (Continued)

Depreciation expense was charge to the various functions/programs of the City as follows:

Governmental Activities:	
General Government	\$ 367,647
Public Safety	637,155
Public Works	318,470
Total Depreciation Expense - Governmental Activities	<u>\$ 1,323,272</u>
Business-Type Activities:	
Wastewater Treatment Plant	\$ 580,012
Sewer System Fund	230,424
Total Depreciation Expense - Business-Type Activities	<u>\$ 810,436</u>

NOTE 18. CONDUIT DEBT OBLIGATIONS

During the year ended April 30, 2007, the City issued two Industrial Project Revenue Bonds to provide financial assistance to private sector entities for the acquisition and construction of facilities deemed to be in the public interest. The bonds are secured by the property financed and are payable solely from payments received on the underlying mortgage loans. The bonds for the two projects are \$1,800,000 and \$2,650,000 respectively. Upon repayment of the bonds, ownership of the acquired facilities transfers to the private sector entities served by the bond issuance. Neither the City, the State, nor any political subdivision thereof is obligated in any manner for repayment of the bonds. Accordingly, the bonds are not reported as liabilities in the accompanying financial statements.

During the year ended April 30, 2006, the City issued \$1,000,000 of Industrial Project Revenue Bonds to provide financial assistance to a private-sector entity for the acquisition and construction of facilities deemed to be in the public interest. The bonds are secured by the property financed and are payable solely from payments received on the underlying mortgage loans. Upon repayment of the bonds, ownership of the acquired facilities transfers to the private-sector entity served by the bond issuance. Neither the City, the State, nor any political subdivision thereof is obligated in any manner for repayment of the bonds. Accordingly, these bonds are also not reported as liabilities in the accompanying financial statements.

NOTE 19 LONG-TERM DEBT

GOVERNMENTAL ACTIVITY DEBT

Bonded Indebtedness

The City issued Local Government Program Revenue Bonds in September 2008. The bonds, totaling \$9,780,000 are payable from the incremental taxes of the Downtown Tax Increment Financing District (TIF 1). The bonds bear interest of between 4.5% and 7.0% and mature in varying amounts from 2009 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Downtown Tax Increment Financing District including renovations of the police and fire department, improvements to the youth center and YMCA and construction of a movie theater. The bonds were defeased the 2012 Series bonds.

The City issued Southwestern Illinois Development Authority Local Government Program Revenue Bonds, Series 2009 (City of Granite City Project) in May 2009. The bonds, totaling \$3,640,000 are payable from the incremental taxes of the Route 3 Corridor Tax Increment Financing District (TIF 4). The bonds bear interest of 8.00% and mature in varying amounts from 2009 to 2019. The proceeds of the bond are to be used to finance redevelopment projects in the Route 3 Corridor Industrial Park Conservation Area including construction of commercial and retail development including a Lowe's Home Improvement store along with eight outlots. The balance of the bonds at April 30, 2014 is \$1,950,000.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2014

NOTE 19. LONG-TERM DEBT (Continued)

The City issued Southwestern Illinois Development Authority Local Government Program Revenue Bonds, Series 2009-B (City of Granite City Project) in December 2009. The bonds, totaling \$3,805,000 are payable from the incremental taxes of the Route 3 Corridor Tax Increment Financing District (TIF 4). The bonds bear interest of 7.75% and mature in varying amounts from 2010 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Route 3 Corridor Industrial Park Conservation Area including construction of water and sewer improvements, the construction of street improvements and related costs. The balance of the bonds at April 30, 2014 is \$3,145,000.

The City issued Local Government Program Revenue Bonds, Series 2009-A in December 2009. The bonds, totaling \$4,210,000 are payable from the incremental taxes of the Route 203 Tax Increment Financing District (TIF 7). The bonds bear interest of 7.75% and mature in varying amounts from 2010 to 2022. The proceeds of the bond are to be used to finance redevelopment projects in the Route 203 Redevelopment Project Area including construction of street improvements and related costs. The balance of the bonds at April 30, 2014 is \$3,865,000.

On December 1, 2012, the City issued \$9,820,000 in General Obligation Alternative Source Bonds with an average interest of 5.25% to advance refund \$8,060,000 of outstanding 2008 Series bonds with an average interest rate of approximately 7.00%. The net proceeds of the issuance (after the addition of the bond premium of \$186,580 and subtraction of the cost of issuance and underwriter's discount totaling \$340,120) plus an additional \$1,325,805 of 2008 sinking fund monies were used to purchase U.S. government securities. Those securities were deposited in an irrevocable trust with and escrow agent to provide for all future debt service payments on the 2008 Series bonds. As a result the 2008 Series bonds are considered to be defeased and the liability for those bonds has been removed from the government-wide financial statement of net position. The balance of the 2012 bond issue at April 30, 2014 is \$9,325,000.

The advance refunding resulted in a difference between the reacquisition price and the net carrying amount of the old debt of \$2,422,965. This difference, reported in the accompanying financial statements as deduction from bonds payable, is being charged to operations through the year 2023 using the effective-interest method. The City completed the advance refunding to remove undesirable covenants of the old bond issue and reduce current annual debt service requirements resulted in an economic loss (difference between the present values of the old and new debt service payments) of \$570,984. The current years amortization of the deferred charge is \$156,205.

Notes Payable

The City entered into a loan with Ford Motor Credit to purchase four police vehicles November 2013. The loan of \$126,517 is to be repaid in three annual installments through November 2015. The annual installments, including interest at 6.0%, are \$44,652. The balance of the loan at April 30, 2014 is \$81,865.

The City entered into a loan with Ford Motor Credit to purchase a four police vehicles in September 2011. The loan of \$115,787 is to be repaid in three annual installments through September 2013. The annual installments, including interest at 6.00%, are \$41,015. The balance of the loan at April 30, 2014 is \$-0-.

The City entered into a loan with Ford Motor Credit to purchase a four police vehicles in September 2012. The loan of \$122,471 is to be repaid in three annual installments through September 2014. The annual installments, including interest at 6.00%, are \$43,224. The balance of the loan at April 30, 2014 is \$40,778.

The City entered into a loan with the Illinois Department of Transportation (IDOT) to construct rail track in the new industrial park in May 1999. The loan of \$725,914 is to be repaid by twenty annual installments through May 24, 2019. The annual installments, including interest at 3.00%, are \$48,793. The balance of the loan at April 30, 2014 is \$223,458.

The City entered into a two lease purchases with the Bank of Edwardsville to two International trucks in January and February 2014. The loans of \$106,938 and \$105,538 are to be repaid in five annual installments through March 2018. The annual installments, including interest at 2.5%, are \$22,502 and \$22,239. The balance of the loans at April 30, 2014 is \$84,649 and \$83,661.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2014

NOTE 19. LONG-TERM DEBT (Continued)

The City entered into a lease purchase agreement with the Bank of Edwardsville for a Mack Truck and two Schien Trailers in December 2011. The agreement was for \$211,000 and is to be repaid in three installments of \$72,767, including interest at 3.47%. The balance of the loan at April 30, 2014 is \$-0-.

The City entered into a lease purchase agreement with the Bank of Edwardsville for a fire department truck in July 2010. The agreement was for \$20,570 and is to be repaid in four installments of \$5,739 plus interest at 4.87%. The balance of the loan at April 30, 2014 is \$5,655.

The City entered into a lease purchase agreement with First Cloverleaf Bank to purchase an ambulance in June 2013. The loan of \$118,000 is to be repaid in four annual installments through July 2016. The annual installments, including interest at 2.48%, are \$30,718. The balance of the loan at April 30, 2012 is \$87,763.

The City entered into a lease purchase agreement with the First Midwest Bank for the purchase of police CPU and phone system upgrades and ticket writers in October 2010. The agreement was for \$153,097 and is to be repaid in five installments of \$34,359 plus interest at 4.65%. The balance of the loan at April 30, 2014 is \$32,835.

The City entered into a loan with Madison County Community Development to finance infrastructure improvements of relocating high-pressure gas line and electric lines in May 2010. The loan of \$750,000 is to be repaid in twenty-eight quarterly installments through May 2017. The quarterly installments, including interest at 3.0%, are \$29,797. The balance of the loan at April 30, 2014 is \$367,759.

The City entered into a loan with Madison County Community Development to purchase fire truck in December 2008. The loan of \$297,007 is to be repaid in annual installments. The annual installments, including interest at 3.00%, are \$64,853. The balance of the loan at April 30, 2014 is \$62,963.

BUSINESS TYPE ACTIVITY DEBT

The City was awarded a second loan of \$3,938,240 through the State of Illinois Environment Protection Agency Bureau of Water in August 2003. This loan financed the upgrade of the City's Regional Wastewater Treatment Facilities. Payments are due semiannually on January 27 and July 27 through January 2025, including interest at 2.50%. As of April 30, 2014, the balance outstanding on the loan was \$2,457,925.

The City was awarded a third loan of \$1,660,939 through the State of Illinois Environment Protection Agency Bureau of Water in October 2008. This loan financed manhole and sewer projects. Payments are due semiannually on March 1 and September 1 through September 2029, including interest at 2.50%. As of April 30, 2013, the balance outstanding on the loan was \$1,513,341.

The City was awarded a fourth loan of \$8,000,000 through the State of Illinois Environment Protection Agency Water Pollution Control Loan Program in September 2011. Upon completion of the project \$2,000,000 of the loan will be forgiven and the additional funds will be repaid with an interest rate of 1.25%. This loan financed sewer rehabilitation projects. Payments are due semiannually on May 1 and November 1 through 2032. As of April 30, 2014, the balance outstanding on the loan was \$6,270,541.

The City was awarded a fifth loan of \$2,000,000 through the State of Illinois Environment Protection Agency Water Pollution Control Loan Program in September 2011. Upon completion of the project \$500,000 of the loan was forgiven and the additional funds are to be repaid with an interest rate of 1.25%. This loan financed improvement to the wastewater treatment plant. Payments are due semiannually on March 1 and September 1 through 2032. As of April 30, 2014, the balance outstanding on the loan was \$1,445,254.

The City issued Local Government Program Revenue Bonds, Series 2010 in November 2010. The bonds, totaling \$3,485,000 are payable from the net revenues derived from the payments made pursuant to the Intergovernmental Agreements by the parties to the Intergovernmental Agreements. The bonds bear interest of between 2.0% and 4.2% and mature in varying amounts from 2011 to 2029. The proceeds of the bond are to be used to finance the acquisition and construction of extensions, improvements, and additions to the system, including but not limited to the construction of improvements to the wastewater treatment plant. The balance of the bonds at April 30, 2014 is \$3,090,000.

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2014

NOTE 19. LONG-TERM DEBT (Continued)

The following is a summary of changes in long-term liabilities, net of unamortized costs, for the year ended April 30, 2014:

	<u>Beginning</u> <u>Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending</u> <u>Balance</u>	<u>Amounts</u> <u>Due Within</u> <u>One Year</u>
Government Activities:					
Bond Payable:					
Tax Increment Revenue					
Bond Series 2012 Refunding	\$ 9,475,000	\$ -	\$ 150,000	\$ 9,325,000	\$ -
Tax Increment Revenue					
Bonds Series 2009-C	3,390,000	-	245,000	3,145,000	275,000
Tax Increment Revenue					
Bonds Series 2009-B	2,315,000	-	365,000	1,950,000	365,000
Tax Increment Revenue					
Bonds Series 2009-A	4,000,000	-	135,000	3,865,000	230,000
Less Unamortized Costs:					
Bond Discount	(129,671)	-	15,756	(113,915)	-
Bond Premium	181,916	-	(18,658)	163,258	-
Total Bond Payable	<u>19,232,245</u>	<u>-</u>	<u>892,098</u>	<u>18,334,343</u>	<u>870,000</u>
Notes Payable:					
Ford Motor Credit	-	126,517	44,652	81,865	39,740
Ford Motor Credit	38,243	-	38,243	-	-
Ford Motor Credit	79,247	-	38,469	40,778	40,778
IL Dept of Transportation	264,321	-	40,863	223,458	42,089
First Cloverleaf Bank	-	118,000	30,237	87,763	28,541
Bank of Edwardsville	70,327	-	70,327	-	-
Bank of Edwardsville	10,865	-	5,210	5,655	5,655
Bank of Edwardsville	-	106,938	22,289	84,649	20,385
Bank of Edwardsville	-	105,538	21,877	83,661	20,147
First Midwest Bank	64,211	-	31,376	32,835	32,835
Madison County	473,914	-	106,155	367,759	109,375
Madison County	62,963	-	-	62,963	62,963
Total Long-Term Liabilities	<u>20,296,336</u>	<u>456,993</u>	<u>1,341,796</u>	<u>19,405,729</u>	<u>1,272,508</u>
Other Liabilities:					
Net Pension Obligation	20,453,459	2,661,623	-	23,115,082	-
Compensated Absences	3,263,586	1,216,552	1,058,366	3,421,772	667,553
Total Other Liabilities	<u>23,717,045</u>	<u>3,878,175</u>	<u>1,058,366</u>	<u>26,536,854</u>	<u>667,553</u>
Governmental Activities					
Long-Term Liabilities	<u>\$44,013,381</u>	<u>\$4,335,168</u>	<u>\$2,400,162</u>	<u>\$45,942,583</u>	<u>\$1,940,061</u>
Deferred Charge on Refunding	<u>2,422,965</u>	<u>-</u>	<u>156,205</u>	<u>2,266,760</u>	<u>-</u>

CITY OF GRANITE CITY, ILLINOIS  
NOTES TO BASIC FINANCIAL STATEMENTS  
APRIL 30, 2014

NOTE 19. LONG-TERM DEBT (Continued)

	<u>Beginning</u> <u>Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending</u> <u>Balance</u>	<u>Amounts</u> <u>Due Within</u> <u>One Year</u>
Business-Type Activities:					
Bond Payable:					
Revenue Bonds					
Series 2010	\$ 3,225,000	\$ -	\$ 135,000	\$ 3,090,000	\$ 135,000
Less Unamortized Costs:					
Bond Premium	12,808	-	731	12,077	-
Total Bond Payable	<u>3,237,808</u>	<u>-</u>	<u>135,731</u>	<u>3,102,077</u>	<u>135,000</u>
Notes Payable:					
IL EPA (1)	\$ 2,652,934	\$ -	\$ 195,009	\$ 2,457,925	\$ 199,915
IL EPA (2)	1,580,493	-	67,152	1,513,341	75,128
IL EPA (3)	5,724,024	546,517	-	6,270,541	277,806
IL EPA (4)	1,517,027	496,084	557,857	1,455,254	35,080
Total Long-Term Liabilities	<u>14,712,286</u>	<u>1,042,601</u>	<u>955,749</u>	<u>14,799,138</u>	<u>722,929</u>
Other Liabilities:					
Compensated Absences	<u>325,045</u>	<u>190,018</u>	<u>185,646</u>	<u>329,417</u>	<u>110,460</u>
Business-Type Activities					
Long-Term Liabilities	<u>\$15,037,331</u>	<u>\$ 1,232,619</u>	<u>\$1,141,395</u>	<u>\$ 15,128,555</u>	<u>\$ 833,389</u>

The annual requirements to retire the notes payable as of April 30, 2014 are as follows:

<u>Fiscal</u> <u>Year Ended</u> <u>April 30,</u>	<u>Governmental Activities</u>		<u>Business-Type Activities</u>	
	<u>Principal</u>	<u>Interest</u>	<u>Principal</u>	<u>Interest</u>
2015	\$ 1,272,508	\$ 1,218,893	\$ 722,929	\$ 299,339
2016	1,343,959	1,135,831	774,074	293,249
2017	1,433,974	1,042,055	790,582	277,466
2018	1,503,572	940,545	807,323	261,297
2019	3,042,373	1,106,548	2,434,478	683,214
2020-2024	10,760,000	2,186,875	3,801,402	705,559
2025-2029	-	-	3,230,946	300,161
2030-2034	-	-	2,225,327	73,443
	<u>\$ 19,356,386</u>	<u>\$ 7,630,747</u>	<u>\$ 14,787,061</u>	<u>\$ 2,893,728</u>

NOTE 20. STATEMENT OF LEGAL DEBT MARGIN

Assessed Valuation as of December 31, 2013	<u>\$ 313,949,446</u>
Debt Limit, 8.625% of Assessed Valuation	\$ 27,078,140
Less, Contractual Indebtedness	<u>12,768,357</u>
Legal Debt Margin	<u>\$ 14,309,783</u>

## **APPENDIX C**

**Statement of Revenues, Expenses and Changes  
in Net Assets, Enterprise Fund Wastewater  
(Pages of Annual Financial Report, FY2010-FY2014)**

CITY OF GRANITE CITY, ILLINOIS  
STATEMENT OF REVENUES, EXPENSES AND  
CHANGES IN NET ASSETS  
PROPRIETARY FUND TYPES  
FOR THE FISCAL YEAR ENDED APRIL 30, 2010

	<u>Business Type</u> <u>Activities</u>
	<u>Enterprise Fund</u> <u>Waterwater</u>
Operating Revenues:	
Charges for Services	\$ 7,361,113
Total Operating Revenues	7,361,113
Operating Expenses:	
Personal Services	2,589,405
Industrial Pretreatment	86,061
Billings and Collection	156,084
Sewer Collection	611,280
Solids Handling	620,587
BOD Treatment	295,865
Primary Treatment	32,232
General and Administration	201,674
Dry Weather Pumping	195,231
Wet Weather Pumping	124,342
Other	45,116
Depreciation	663,706
Total Operating Expenses	5,621,583
Operating Income (Loss)	1,739,530
Non-Operating Revenues (Expenses)	
Investment Earnings	35,111
Grant Income	424,525
Interest Expense and Fiscal Charges	(109,272)
Operating Transfers From (To) other Funds	491,294
Total Non-Operating Revenues (Expenses)	841,658
Change in Net Assets	2,581,188
Net Assets - Beginning	14,830,604
Net Assets - Ending	\$ 17,411,792

See accompanying notes to the basic financial statements.

CITY OF GRAFTON, ILLINOIS  
 COMBINING STATEMENT OF REVENUES, EXPENDITURES  
 AND CHANGES IN FUND BALANCES  
 PROPRIETARY FUND TYPES  
YEAR ENDED APRIL 30, 2010

	Business Type Activities		
	Enterprise Funds		
	<u>Waterwater</u> <u>Treatment</u> <u>Plant</u>	<u>Sewer</u> <u>System</u> <u>Fund</u>	Total Enterprise Funds
Operating Revenues:			
Charges for Services	\$ 5,055,197	\$ 2,305,916	\$ 7,361,113
Total Revenues	<u>5,055,197</u>	<u>2,305,916</u>	<u>7,361,113</u>
Operating Expenses:			
Personal Services	2,589,405	-	2,589,405
Industrial Pretreatment	-	86,061	86,061
Billings and Collection	41,936	114,148	156,084
Sewer Collection	-	611,280	611,280
Solids Handling	620,587	-	620,587
BOD Treatment	295,865	-	295,865
Primary Treatment	32,232	-	32,232
General and Administrative	201,674	-	201,674
Dry Weather Pumping	195,231	-	195,231
Wet Weather Pumping	124,342	-	124,342
Other	45,116	-	45,116
Depreciation	575,315	88,391	663,706
Total Operating Expenses	<u>4,721,703</u>	<u>899,880</u>	<u>5,621,583</u>
Operating Income	<u>333,494</u>	<u>1,406,036</u>	<u>1,739,530</u>
Non-Operating Revenues (Expenses):			
Investment Earnings	18,458	16,653	35,111
Grant Income	-	424,525	424,525
Interest Expense and Fiscal Charges	(109,272)	-	(109,272)
Operating Transfers From (To) Other Funds	-	491,294	491,294
Total Non-Operating Revenues (Expenses)	<u>(90,814)</u>	<u>932,472</u>	<u>841,658</u>
Change in Net Assets	242,680	2,338,508	2,581,188
Net Assets - Beginning	<u>10,582,542</u>	<u>4,248,062</u>	<u>14,830,604</u>
Net Assets - Ending	<u>\$ 10,825,222</u>	<u>\$ 6,586,570</u>	<u>\$ 17,411,792</u>

CITY OF GRANITE CITY, ILLINOIS  
STATEMENT OF REVENUES, EXPENSES AND  
CHANGES IN NET ASSETS  
PROPRIETARY FUND TYPES  
FOR THE FISCAL YEAR ENDED APRIL 30, 2011

	<u>Business Type</u> <u>Activities</u>
	<u>Enterprise Fund</u> <u>Waterwater</u>
Operating Revenues:	
Charges for Services	\$ 6,003,591
Total Operating Revenues	6,003,591
Operating Expenses:	
Personal Services	2,738,548
Industrial Pretreatment	90,274
Billings and Collection	109,657
Sewer Collection	623,594
Solids Handling	695,261
BOD Treatment	310,314
Primary Treatment	39,224
General and Administration	201,330
Dry Weather Pumping	266,959
Wet Weather Pumping	179,571
Other	119,174
Depreciation	802,169
Total Operating Expenses	6,176,075
Operating (Loss)	(172,484)
Non-Operating Revenues (Expenses)	
Investment Earnings	63,080
Interest Expense and Fiscal Charges	(202,811)
Total Non-Operating Revenues (Expenses)	(139,731)
Change in Net Assets	(312,215)
Net Assets - Beginning	17,411,792
Net Assets - Ending	\$ 17,099,577

See accompanying notes to the basic financial statements.

CITY OF GRAFTON, ILLINOIS  
 COMBINING STATEMENT OF REVENUES, EXPENDITURES  
 AND CHANGES IN FUND BALANCES  
 PROPRIETARY FUND TYPES  
 YEAR ENDED APRIL 30, 2011

	Business Type Activities		Total Enterprise Funds
	Enterprise Funds		
	<u>Waterwater</u> <u>Treatment</u> <u>Plant</u>	<u>Sewer</u> <u>System</u> <u>Fund</u>	
Operating Revenues:			
Charges for Services	\$ 2,453,933	\$ 3,549,658	\$ 6,003,591
Total Revenues	<u>2,453,933</u>	<u>3,549,658</u>	<u>6,003,591</u>
Operating Expenses:			
Personal Services	2,738,548	-	2,738,548
Industrial Pretreatment	-	90,274	90,274
Billings and Collection	1,280	108,377	109,657
Sewer Collection	-	623,594	623,594
Solids Handling	695,261	-	695,261
BOD Treatment	310,314	-	310,314
Primary Treatment	39,224	-	39,224
General and Administrative	201,330	-	201,330
Dry Weather Pumping	266,959	-	266,959
Wet Weather Pumping	179,571	-	179,571
Other	119,174	-	119,174
Depreciation	648,521	153,648	802,169
Total Operating Expenses	<u>5,200,182</u>	<u>975,893</u>	<u>6,176,075</u>
Operating Income	<u>(2,746,249)</u>	<u>2,573,765</u>	<u>(172,484)</u>
Non-Operating Revenues (Expenses):			
Investment Earnings	49,715	13,365	63,080
Grant Income	-	-	-
Interest Expense and Fiscal Charges	(161,223)	(41,588)	(202,811)
Operating Transfers From (To) Other Funds	255,295	(255,295)	-
Total Non-Operating Revenues (Expenses)	<u>143,787</u>	<u>(283,518)</u>	<u>(139,731)</u>
Change in Net Assets	(2,347,167)	2,290,247	(312,215)
Net Assets - Beginning	<u>10,825,222</u>	<u>6,586,570</u>	<u>17,411,792</u>
Net Assets - Ending	<u>\$ 8,478,055</u>	<u>\$ 8,876,817</u>	<u>\$ 17,099,577</u>

CITY OF GRANITE CITY, ILLINOIS  
STATEMENT OF REVENUES, EXPENSES AND  
CHANGES IN NET ASSETS  
PROPRIETARY FUND TYPES  
FOR THE FISCAL YEAR ENDED APRIL 30, 2012

	<u>Business Type</u> <u>Activities</u>
	<u>Enterprise Fund</u> <u>Wastewater</u>
Operating Revenues:	
Charges for Services	\$ 5,844,237
Total Operating Revenues	5,844,237
Operating Expenses:	
Personal Services	2,818,870
Industrial Pretreatment	95,815
Billings and Collection	123,574
Sewer Collection	482,976
Solids Handling	687,390
BOD Treatment	238,159
Primary Treatment	32,655
General and Administration	188,640
Dry Weather Pumping	204,112
Wet Weather Pumping	143,916
Other	306,231
Depreciation	874,751
Total Operating Expenses	6,197,089
Operating (Loss)	(352,852)
Non-Operating Revenues (Expenses)	
Investment Earnings	92,648
Interest Expense and Fiscal Charges	(219,104)
Total Non-Operating Revenues (Expenses)	(126,456)
Change in Net Assets	(479,308)
Net Assets - Beginning	17,099,577
Net Assets - Ending	\$ 16,620,269

See accompanying notes to the basic financial statements.

CITY OF GRANITE CITY, ILLINOIS  
COMBINING STATEMENT OF REVENUES, EXPENDITURES  
AND CHANGES IN FUND BALANCES  
PROPRIETARY FUND TYPES  
YEAR ENDED APRIL 30, 2012

	Business Type Activities		Total Enterprise Funds
	Enterprise Funds		
	<u>Wastewater Treatment Plant</u>	<u>Sewer System Fund</u>	
Operating Revenues:			
Charges for Services	\$ 2,420,527	\$ 3,423,710	\$ 5,844,237
Total Revenues	<u>2,420,527</u>	<u>3,423,710</u>	<u>5,844,237</u>
Operating Expenses:			
Personal Services	2,818,870	-	2,818,870
Industrial Pretreatment	-	95,815	95,815
Billings and Collection	-	123,574	123,574
Sewer Collection	-	482,976	482,976
Solids Handling	687,390	-	687,390
BOD Treatment	238,159	-	238,159
Primary Treatment	32,655	-	32,655
General and Administrative	188,640	-	188,640
Dry Weather Pumping	204,112	-	204,112
Wet Weather Pumping	143,916	-	143,916
Other	306,231	-	306,231
Depreciation	643,105	231,646	874,751
Total Operating Expenses	<u>5,263,078</u>	<u>934,011</u>	<u>6,197,089</u>
Operating Income	<u>(2,842,551)</u>	<u>2,489,699</u>	<u>(352,852)</u>
Non-Operating Revenues (Expenses):			
Investment Earnings	74,979	17,669	92,648
Grant Income	-	-	-
Interest Expense and Fiscal Charges	(210,829)	(8,275)	(219,104)
Operating Transfers From (To) Other Funds	255,295	(255,295)	-
Total Non-Operating Revenues (Expenses)	<u>119,445</u>	<u>(245,901)</u>	<u>(126,456)</u>
Change in Net Assets	(2,723,106)	2,243,798	(479,308)
Net Assets - Beginning	<u>8,222,760</u>	<u>8,876,817</u>	<u>17,099,577</u>
Net Assets - Ending	<u>\$ 5,499,654</u>	<u>\$ 11,120,615</u>	<u>\$ 16,620,269</u>

CITY OF GRANITE CITY, ILLINOIS  
STATEMENT OF REVENUES, EXPENSES AND  
CHANGES IN NET POSITION  
PROPRIETARY FUND TYPES  
FOR THE FISCAL YEAR ENDED APRIL 30, 2013

	<u>Business Type</u> <u>Activities</u>
	<u>Enterprise Fund</u> <u>Wastewater</u>
Operating Revenues:	
Charges for Services	\$ 7,012,029
Total Operating Revenues	7,012,029
Operating Expenses:	
Personal Services	2,753,296
Industrial Pretreatment	98,340
Billings and Collection	122,915
Sewer Collection	797,358
Solids Handling	551,713
BOD Treatment	224,660
Primary Treatment	31,662
General and Administration	212,462
Dry Weather Pumping	173,727
Wet Weather Pumping	102,611
Other	167,320
Depreciation	811,103
Total Operating Expenses	6,047,167
Operating (Loss)	964,862
Non-Operating Revenues (Expenses)	
Investment Earnings	63,539
Grant Income	533,502
Interest Expense and Fiscal Charges	(272,629)
Total Non-Operating Revenues (Expenses)	324,412
Change in Net Position	1,289,274
Net Position - Beginning	16,620,269
Restatement of Beginning - Net Position (Note 22)	(151,088)
Net Position - Ending	\$ 17,758,455

See accompanying notes to the basic financial statements.

CITY OF GRANITE CITY, ILLINOIS  
COMBINING STATEMENT OF REVENUES, EXPENDITURES  
AND CHANGES IN NET POSITION  
PROPRIETARY FUND TYPES  
YEAR ENDED APRIL 30, 2013

	Business Type Activities		Total Enterprise Funds
	Enterprise Funds		
	<u>Wastewater Treatment Plant</u>	<u>Sewer System Fund</u>	
Operating Revenues:			
Charges for Services	\$ 2,837,137	\$ 4,174,892	\$ 7,012,029
Total Revenues	<u>2,837,137</u>	<u>4,174,892</u>	<u>7,012,029</u>
Operating Expenses:			
Personal Services	2,753,296	-	2,753,296
Industrial Pretreatment	-	98,340	98,340
Billings and Collection	-	122,915	122,915
Sewer Collection	-	797,358	797,358
Solids Handling	551,713	-	551,713
BOD Treatment	224,660	-	224,660
Primary Treatment	31,662	-	31,662
General and Administrative	212,462	-	212,462
Dry Weather Pumping	173,727	-	173,727
Wet Weather Pumping	102,611	-	102,611
Other	167,320	-	167,320
Depreciation	580,271	230,832	811,103
Total Operating Expenses	<u>4,797,722</u>	<u>1,249,445</u>	<u>6,047,167</u>
Operating Income	<u>(1,960,585)</u>	<u>2,925,447</u>	<u>964,862</u>
Non-Operating Revenues (Expenses):			
Investment Earnings	63,111	428	63,539
Grant Income	-	533,502	533,502
Interest Expense and Fiscal Charges	(197,951)	(74,678)	(272,629)
Total Non-Operating Revenues (Expenses)	<u>(134,840)</u>	<u>459,252</u>	<u>324,412</u>
Change in Net Position	(2,095,425)	3,384,699	1,289,274
Net Position - Beginning	5,499,654	11,120,615	16,620,269
Restatement of Beginning - Net Position (Note 22)	<u>(151,088)</u>	<u>-</u>	<u>(151,088)</u>
Net Position - Ending	<u>\$ 3,253,141</u>	<u>\$ 14,505,314</u>	<u>\$ 17,758,455</u>

CITY OF GRANITE CITY, ILLINOIS  
STATEMENT OF REVENUES, EXPENSES AND  
CHANGES IN NET POSITION  
PROPRIETARY FUND TYPES  
FOR THE FISCAL YEAR ENDED APRIL 30, 2014

	<u>Business Type</u> <u>Activities</u> <u>Wastewater</u>
Operating Revenues:	
Charges for Services	\$ 7,746,347
Total Operating Revenues	7,746,347
Operating Expenses:	
Personal Services	2,901,408
Industrial Pretreatment	119,835
Billings and Collection	155,686
Sewer Collection	246,713
Solids Handling	704,187
BOD Treatment	214,469
Primary Treatment	86,408
General and Administration	150,153
Dry Weather Pumping	181,166
Wet Weather Pumping	120,329
Other	248,811
Depreciation	810,436
Total Operating Expenses	5,939,601
Operating (Loss)	1,806,746
Non-Operating Revenues (Expenses)	
Investment Earnings	27,540
Grant Income	500,000
Interest Expense and Fiscal Charges	(228,371)
Total Non-Operating Revenues (Expenses)	299,169
Net Income Before Transfers	2,105,915
Operating Transfers Out	(903,556)
Change in Net Position	1,202,359
Net Position - Beginning	17,758,455
Net Position - Ending	\$ 18,960,814

See accompanying notes to the basic financial statements.

CITY OF GRANITE CITY, ILLINOIS  
COMBINING STATEMENT OF REVENUES, EXPENDITURES  
AND CHANGES IN NET POSITION  
PROPRIETARY FUND TYPES  
YEAR ENDED APRIL 30, 2014

	Business Type Activities		Total Enterprise Funds
	Enterprise Funds		
	<u>Wastewater Treatment Plant</u>	<u>Sewer System Fund</u>	
Operating Revenues:			
Charges for Services	\$ 2,782,316	\$ 4,964,031	\$ 7,746,347
Total Revenues	<u>2,782,316</u>	<u>4,964,031</u>	<u>7,746,347</u>
Operating Expenses:			
Personal Services	2,901,408	-	2,901,408
Industrial Pretreatment	-	119,835	119,835
Billings and Collection	-	155,686	155,686
Sewer Collection	-	246,713	246,713
Solids Handling	704,187	-	704,187
BOD Treatment	214,469	-	214,469
Primary Treatment	86,408	-	86,408
General and Administrative	150,153	-	150,153
Dry Weather Pumping	181,166	-	181,166
Wet Weather Pumping	120,329	-	120,329
Other	248,811	-	248,811
Depreciation	580,012	230,424	810,436
Total Operating Expenses	<u>5,186,943</u>	<u>752,658</u>	<u>5,939,601</u>
Operating Income	<u>(2,404,627)</u>	<u>4,211,373</u>	<u>1,806,746</u>
Non-Operating Revenues (Expenses):			
Investment Earnings	20,663	6,877	27,540
Grant Income	500,000	-	500,000
Interest Expense and Fiscal Charges	(190,383)	(37,988)	(228,371)
Total Non-Operating Revenues (Expenses)	<u>330,280</u>	<u>(31,111)</u>	<u>299,169</u>
Net Income Before Transfers	(2,074,347)	4,180,262	2,105,915
Operating Transfers (Out)	<u>(50,000)</u>	<u>(853,556)</u>	<u>(903,556)</u>
Change in Net Position	(2,124,347)	3,326,706	1,202,359
Net Position - Beginning	<u>3,253,141</u>	<u>14,505,314</u>	<u>17,758,455</u>
Net Position - Ending	<u>\$ 1,128,794</u>	<u>\$ 17,832,020</u>	<u>\$ 18,960,814</u>

## **APPENDIX D**

**Regional Sewer Board, Treatment Plant-Fund 70  
FY2010-FY2014**

**REGIONAL SEWER BOARD**

Fiscal Year 2009-2010

	4/30/2010 <u>Budget</u>	4/30/2010 <u>Actual</u>
<b>TREATMENT PLANT-FUND 70</b>		
<b>Intergovernmental:</b>		
Granite City	\$ 2,201,124	\$ 2,245,665
MESD	1,526,436	1,431,905
Madison County	840,636	741,354
Glen Carbon	386,256	421,240
IEPA Loan		
<b>Other Revenue:</b>		
Interest Income	40,000	19,451
Misc. Income	<u>-</u>	<u>4,495</u>
<b>Total</b>	<b><u>\$ 4,994,452</u></b>	<b><u>\$ 4,864,110</u></b>

**GENERAL FUND EXPENSES:**

Debt Service-Principal	\$ 181,100	\$ 176,561
Debt Service-Interest	79,022	83,560
Solids Handling	648,586	621,354
Plant Personal	2,590,187	2,595,166
B.O.D Treatment	347,052	301,668
Primary Treatment	41,520	35,595
General & Administrative	184,710	196,445
Dry Weather Pumping	255,151	203,549
Wet Weather Pumping	177,426	146,279
Regional Board Costs	42,691	41,936
Capital Outlay:	-	-
Equipment Purchase	55,000	565
Vehicle Purchase	52,000	7,976
Computer Equipment	-	1,209
Replacement Reserve	<u>240,000</u>	<u>325,781</u>
<b>Total</b>	<b><u>\$ 4,894,445</u></b>	<b><u>\$ 4,737,644</u></b>
<b>Surplus(Deficit)</b>	<b><u>\$ 100,007</u></b>	<b><u>\$ 126,466</u></b>

Cash Balance 04/30/2010

**\$ 2,031,928**

## REGIONAL SEWER BOARD

Fiscal Year 2010-2011

	4/30/2011 <u>Budget</u>	4/30/2011 <u>Actual</u>
<b>TREATMENT PLANT-FUND 70</b>		
<b>Intergovernmental:</b>		
Granite City	\$ 2,571,345	\$ 2,349,978
MESD	1,174,038	1,083,974
Madison County	845,408	904,744
Glen Carbon	426,467	343,858
IEPA Loan		
<b>Other Revenue:</b>		
Interest Income	25,000	14,563
Misc. Income(GRANT)	-	193,125
<b>Total</b>	<u>\$ 5,042,258</u>	<u>\$ 4,890,242</u>
<b>GENERAL FUND EXPENSES:</b>		
Debt Service-Principal	\$ 181,100	\$ 181,003
Debt Service-Interest	79,022	141,280
Solids Handling	648,586	671,777
Plant Personal	2,590,187	2,726,887
B.O.D Treatment	347,052	298,071
Primary Treatment	41,520	38,917
General & Administrative	184,710	168,837
Dry Weather Pumping	255,151	253,528
Wet Weather Pumping	177,426	163,749
Regional Board Costs	42,691	44,309
Capital Outlay:	-	-
Construction Fund		595,139
Equipment Purchase	55,000	2,507
Vehicle Purchase	52,000	29,484
Bond Closing Costs	-	165,117
Replacement Reserve	240,000	379,465
<b>Total</b>	<u>\$ 4,894,445</u>	<u>\$ 5,860,069</u>
<b>Surplus(Deficit)</b>	<u>\$ 147,813</u>	<u>\$ (969,827)</u>
Cash Balance 04/30/2011		<u><u>\$4,665,432</u></u>
Cash Regular		\$823,288
Cash Replacement		\$1,100,000
Cash Operating		<u>\$1,923,288</u>
Bond Construction Fund		<u>\$2,742,144</u>
Cash Balance 04/30/2011		<u><u>\$4,665,432</u></u>

## REGIONAL SEWER BOARD

Fiscal Year 2011-2012

	4/30/2012 <u>Budget</u>	4/30/2012 <u>Actual</u>
<b>TREATMENT PLANT-FUND 70</b>		
<b>Intergovernmental:</b>		
Granite City	\$ 2,697,859	\$ 2,622,543
MESD	1,230,199	1,209,042
Madison County	921,603	814,926
Glen Carbon	380,776	349,594
IEPA Loan		
<b>Other Revenue:</b>		
Interest Income	15,000	70,255
Misc. Income(GRANT)	-	-
<b>Total</b>	<b>\$ 5,245,437</b>	<b>\$ 5,066,360</b>
<b>GENERAL FUND EXPENSES:</b>		
Debt Service-Principal(EPA)	\$ 180,975	\$ 185,556
Debt Service-Interest(EPA)	79,147	74,565
Debt Service-Principal(Bond)	130,000	130,000
Debt Service-Interest(Bond)	125,376	125,130
Solids Handling	684,700	682,155
Plant Personal	2,903,379	2,772,296
B.O.D Treatment	214,000	257,869
Primary Treatment	34,500	34,495
General & Administrative	196,525	198,847
Dry Weather Pumping	245,640	213,409
Wet Weather Pumping	157,340	159,608
Regional Board Costs	75,500	69,466
Capital Outlay:	-	-
Construction Fund(Bond)	2,742,144	316,322
Construction Fund(EPA)	2,000,000	280,181
Equipment Purchase	60,000	35,222
Vehicle Purchase	30,000	15,669
Vehicle Lease Program	30,000	29,484
Contingency Fund	40,000	10,010
Replacement Reserve	400,000	223,403
<b>Total</b>	<b>\$ 10,329,226</b>	<b>\$ 5,813,687</b>
<b>Surplus(Deficit)</b>	<b>\$ (5,083,789)</b>	<b>\$ (747,327)</b>
Cash Balance 04/30/2012		<b><u>\$4,065,095</u></b>
Cash Regular		\$1,424,910
Cash Replacement		\$1,300,000
Cash Operating		<u>\$2,724,910</u>
Bond Construction Fund		<u>\$1,340,185</u>
Cash Balance 04/30/2012		<b><u>\$4,065,095</u></b>

**REGIONAL SEWER BOARD**

Fiscal Year 2012-2013

	4/30/2013	4/30/2013
	<u>Budget</u>	<u>Actual</u>

**TREATMENT PLANT-FUND 70**

**Intergovernmental:**

Granite City	\$ 2,391,575	\$ 2,343,367
MESD	1,432,856	1,061,010
Madison County	1,027,297	1,010,654
Glen Carbon	599,298	583,024

**Other Revenue:**

Interest Income	63,000	5,553
Misc. Income(GRANT)	-	-

Total	<u>\$ 5,514,026</u>	<u>\$ 5,003,608</u>
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**GENERAL FUND EXPENSES:**

Debt Service-Principal(EPA)	\$ 207,500	\$ 190,224
Debt Service-Interest(EPA)	197,452	69,897
Debt Service-Principal(Bond)	130,000	130,000
Debt Service-Interest(Bond)	123,830	122,530
Solids Handling	718,200	540,182
Plant Personal	2,862,583	2,738,112
B.O.D Treatment	256,000	203,507
Primary Treatment	33,000	30,000
General & Administrative	196,525	247,201
Dry Weather Pumping	233,140	166,120
Wet Weather Pumping	153,000	94,653
Regional Board Costs	46,100	48,370
Capital Outlay:	200,000	-
Construction Fund(Bond)	2,425,822	2,148,132
Construction Fund(EPA)	1,750,000	1,273,779
Equipment Purchase	61,500	10,348
Vehicle Purchase	32,000	-
Vehicle Lease Program	39,313	38,778
Contingency Fund	40,000	39,342
Replacement Reserve	320,000	37,178

Total	<u>\$ 10,025,965</u>	<u>\$ 8,128,353</u>
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<b>Surplus(Deficit)</b>	<u>\$ (4,511,939)</u>	<u>\$ (3,124,745)</u>
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Cash Balance 04/30/2013	<u><u>\$2,259,251</u></u>
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Cash Regular	\$703,030
Cash Replacement	\$1,300,000
Cash Operating	<u>\$2,003,030</u>

Bond Construction Fund	<u>\$256,221</u>
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Cash Balance 04/30/2013	<u><u>\$2,259,251</u></u>
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**REGIONAL SEWER BOARD**

Fiscal Year 2013-2014

	4/30/2014 <u>Budget</u>	4/30/2014 <u>Actual</u>
<b>TREATMENT PLANT-FUND 70</b>		
<b>Intergovernmental:</b>		
Granite City	\$ 2,928,006	\$ 2,615,526
MESD	1,132,117	1,351,230
Madison County	1,040,021	1,078,134
Glen Carbon	515,518	471,850
<b>Other Revenue:</b>		
Interest Income	25,000	3,840
Misc. Income(GRANT)	-	-
	<hr/>	<hr/>
Total	\$ 5,640,662	\$ 5,520,580
	<hr/>	<hr/>

**GENERAL FUND EXPENSES:**

Debt Service-Principal(EPA)	\$ 270,561	\$ 254,040
Debt Service-Interest(EPA)	88,996	81,114
Debt Service-Principal(Bond)	135,000	135,000
Debt Service-Interest(Bond)	121,230	119,205
Solids Handling	727,200	643,230
Plant Personal	2,819,635	2,939,434
B.O.D Treatment	256,000	234,965
Primary Treatment	33,000	30,040
General & Administrative	325,382	244,562
Dry Weather Pumping	233,140	182,231
Wet Weather Pumping	169,000	124,258
Regional Board Costs	56,100	54,591
Capital Outlay:	-	-
Construction Fund(Bond)	662,387	414,090
Construction Fund(EPA)	346,267	283,173
Equipment Purchase	61,500	6,798
Vehicle Purchase	32,000	25,640
Vehicle Lease Program	38,778	38,573
Contingency Fund	40,000	444
Replacement Reserve	228,000	163,922
	<hr/>	<hr/>

Total	\$ 6,644,176	\$ 5,975,309
	<hr/>	<hr/>

<b>Surplus(Deficit)</b>	<b>\$ (1,003,514)</b>	<b>\$ (454,729)</b>
	<hr/>	<hr/>

Cash Balance 04/30/2014		<b><u>\$2,589,892</u></b>
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Cash Regular		\$1,033,672
Cash Replacement		\$1,300,000
Cash Operating		<hr/>
		\$2,333,672

Bond Construction Fund		<hr/>
		\$256,221

Cash Balance 04/30/2014		<b><u>\$2,589,892</u></b>
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## **APPENDIX E**

**Regional Sewer Board, Treatment Plant Data  
FY2010-FY2014**

**REGIONAL SUMMARY FY 09/10 BUDGET**

Using 1% test Standard Deviation applied to actual data

GRANITE CITY Flow Summary	Total gal.	plus COT / decant	TOTAL Influent	GRANITE CITY Adjusted Flow GC,MCSS,MES[	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '09	475,770,000	65,000,000	540,770,000	203,733,000	700,685	420,120
Jun '09	443,900,000	83,720,000	527,620,000	232,845,000	531,626	472,689
Jul '09	377,930,000	8,000,000	385,930,000	171,470,000	441,135	224,808
Aug '09	336,750,000	28,980,000	365,730,000	164,469,000	632,255	297,741
Sep '09	295,340,000	59,620,000	354,960,000	186,983,000	578,452	297,890
Oct '09	573,660,000	174,660,000	748,320,000	336,270,000	689,166	483,062
Nov '09	466,990,000	85,120,000	552,110,000	223,569,000	307,959	221,996
Dec '09	622,340,000	85,600,000	707,940,000	294,486,000	384,580	150,105
Jan '10	523,700,000	3,360,000	527,060,000	186,100,000	570,566	403,747
Feb '10	371,100,000	11,440,000	382,540,000	155,951,000	467,889	199,751
Mar '10	474,870,000	5,200,000	480,070,000	170,597,000	514,655	248,542
Apr '10	489,470,000	22,640,000	512,110,000	219,144,000	708,074	553,004
<b>AVERAGE</b>	<b>454,318,333</b>	<b>52,778,333</b>	<b>507,096,667</b>	<b>212,134,750</b>	<b>543,920</b>	<b>331,121</b>
<b>TOTAL</b>	<b>5,451,820,000</b>	<b>633,340,000</b>	<b>6,085,160,000</b>	<b>2,545,617,000</b>	<b>6,527,042</b>	<b>3,973,455</b>

GLEN CARBON Flow Summary	Total gal.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)	METRO EAST Flow Summary	Total gal.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '09	55,561,000	98,573	75,404	May '09	190,249,000	278,065	223,433
Jun '09	41,938,000	62,739	52,989	Jun '09	178,618,000	155,299	89,380
Jul '09	36,880,000	66,964	47,982	Jul '09	123,724,000	143,016	84,170
Aug '09	32,472,000	77,647	55,856	Aug '09	124,242,000	211,084	108,410
Sep '09	30,301,000	76,192	60,073	Sep '09	91,601,000	142,095	98,659
Oct '09	57,014,000	93,138	85,708	Oct '09	227,009,000	372,340	199,738
Nov '09	41,056,000	51,361	49,478	Nov '09	195,238,000	187,951	91,184
Dec '09	59,775,000	69,669	54,117	Dec '09	238,349,000	305,380	282,935
Jan '10	43,165,750	64,132	69,326	Jan '10	209,590,000	209,058	119,362
Feb '10	41,100,000	57,543	58,614	Feb '10	114,753,000	87,689	113,888
Mar '10	43,607,000	73,646	65,145	Mar '10	195,091,000	180,875	174,909
Apr '10	47,678,000	74,130	58,452	Apr '10	167,718,000	168,202	107,705
<b>AVERAGE</b>	<b>44,212,313</b>	<b>72,145</b>	<b>61,095</b>	<b>AVERAGE</b>	<b>171,348,500</b>	<b>203,421</b>	<b>141,148</b>
<b>TOTAL</b>	<b>530,547,750</b>	<b>865,734</b>	<b>733,144</b>	<b>TOTAL</b>	<b>2,056,182,000</b>	<b>2,441,054</b>	<b>1,693,773</b>

<12 Mo Avg

MADISON CNTY Flow Summary	Total gal.	MCSS Adjusted Flow -Glen C.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '09	146788000	91,227,000	153,503	113,347
Jun '09	116157000	74,219,000	84,753	55,995
Jul '09	90736000	53,856,000	89,176	73,420
Aug '09	77019000	44,547,000	86,883	95,415
Sep '09	76376000	46,075,000	83,476	84,703
Oct '09	185041000	128,027,000	208,566	250,333
Nov '09	133303000	92,247,000	132,236	147,301
Dec '09	175105000	115,330,000	200,988	211,509
Jan '10	131370000	88,204,250	150,924	147,295
Feb '10	111836000	70,736,000	125,851	189,254
Mar '10	114382000	70,775,000	177,719	205,061
Apr '10	125248000	77,570,000	156,850	195,900
<b>AVERAGE</b>	<b>123,613,417</b>	<b>79,401,104</b>	<b>137,577</b>	<b>147,461</b>
<b>TOTAL</b>	<b>1,483,361,000</b>	<b>952,813,250</b>	<b>1,650,925</b>	<b>1,769,533</b>

**SUMMARY**

	average Gallons/Mo.	% flow	average # BOD/Month	%BOD	average # TSS/Month	%TSS
GRANITE CITY	212,134,750	41.83	543,920	56.83	331,121	48.64
GLEN CARBON	44,212,313	8.72	72,145	7.54	61,095	8.97
MADISON CNTY	79,401,104	15.66	137,577	14.37	147,461	21.66
MESD	171,348,500	33.79	203,421	21.25	141,148	20.73
<b>TOTAL</b>	<b>507,096,667</b>	<b>100</b>	<b>957,063</b>	<b>100</b>	<b>680,825</b>	<b>100</b>
<b>GRAND TOTAL</b>	<b>6,085,160,000</b>		<b>11,484,755</b>		<b>8,169,905</b>	

**PER UNIT ALLOCATION OF FY 09/10 REGIONAL TREATMENT PLANT BUDGET**

Using 1% test Standard Deviation applied to actual data

**I. FACTORS**

a. TOTAL BUDGET			<b>\$4,948,645</b>	
1. Operation, Maintenance, Replacement			\$4,948,645	
2. Debt Service & required Reserves			\$0	
b. Plant loadings, based on actual loadings over applicable months				
1. Flow	507,096,667 avg. gal/mo * 12 Mo's =		6,085.160	MGal/Yr
2. BOD	957,063 avg. lbs/mo * 12 Mo's =		11,484,755	Lbs/Yr
3. TSS	680,825 avg. lbs/mo * 12 Mo's =		8,169,905	Lbs/Yr
c. Cost allocation to various parameters				
1. 24.8% of O,M,&R & Debt Service Cost allocated to Flow =		\$1,227,264		cost per yr.
2. 41.6% of O,M,&R & Debt Service Cost allocated to BOD =		\$2,058,636		cost per yr.
3. 33.6% of O,M,&R & Debt Service Cost allocated to TSS =		\$1,662,745		cost per yr.

**II. RATE MAKING FORMULAE**

- a. Flow: Flow cost per year/(gal per yr/1000 gal) = cost in cents/1000 gal
- b. BOD: BOD cost per year/BOD # per year = BOD cost in cents per pound
- c. TSS: TSS cost per year/TSS # per year = TSS cost in cents per pound

**III. PER UNIT COSTS**

<i>FLOW</i>					
a. O,M,&R	\$1,227,264	cost per yr /	6,085.16	MGal/1000 gal =	\$0.2017
b. Debt	\$0	cost per yr /	6,085.16	MGal/1000 gal =	\$0.0000
<b>c. TOTAL FLOW COST PER 1000 GALLONS</b>					<b>\$0.2017</b>

<i>BOD</i>					
a. O,M,&R	\$2,058,636	cost per yr /	11,484,755	lbs per yr =	\$0.1792
b. Debt	\$0	cost per yr /	11,484,755	lbs per yr =	\$0.0000
<b>c. TOTAL BOD COST PER POUND</b>					<b>\$0.1792</b>

<i>TSS</i>					
a. O,M,&R	\$1,662,745	cost per yr /	8,169,905	lbs per yr =	\$0.2035
b. Debt	\$0	cost per yr /	8,169,905	lbs per yr =	\$0.0000
<b>c. TOTAL TSS COST PER POUND</b>					<b>\$0.2035</b>

**EFFECT OF PER UNIT RATES ON FY 09/10 REGIONAL TREATMENT PLANT BUDGET**

Using 1% test Standard Deviation applied to actual data

FY 07/08 Regional Budget amount:	\$4,948,645
Monthly Regional Budget amount of:	\$412,387
Total Flow cost per 1000 gallons:	\$0.2017
Total BOD cost per pound:	\$0.1792
Total TSS cost per pound:	\$0.2035

<i>LOADINGS *</i>						
	average Gallons/Mo.	% flow	average #BOD/Month	% BOD	average #TSS/Month	% TSS
GRANITE CITY	212,134,750	41.83	543,920	56.83	331,121	48.64
GLEN CARBON	44,212,313	8.72	72,145	7.54	61,095	8.97
MADISON CNTY	79,401,104	15.66	137,577	14.37	147,461	21.66
MESD	171,348,500	33.79	203,421	21.25	141,148	20.73
<b>TOTAL</b>	<b>507,096,667</b>	<b>100</b>	<b>957,063</b>	<b>100</b>	<b>680,825</b>	<b>100</b>

\* These loadings are based on actual sampling and metering conducted over the applicable period.  
If any flow metering was not working, a 12-month average was assigned.

*PER UNIT ALLOCATION*

Parameter cost per unit	Granite City	Glen Carbon	Madison Cnty	MESD
Flow \$0.2017	\$42,784	\$8,917	\$16,014	\$34,558
BOD \$0.1792	\$97,497	\$12,932	\$24,661	\$36,463
TSS \$0.2035	\$67,390	\$12,434	\$30,011	\$28,726
<b>TOTAL \$/Mo</b>	<b>\$207,671</b>	<b>\$34,283</b>	<b>\$70,686</b>	<b>\$99,747</b>
<b>% of TOTAL</b>	<b>50.36%</b>	<b>8.31%</b>	<b>17.14%</b>	<b>24.19%</b>

*ALLOCATION AS A PERCENT OF BUDGET*

Parameter \$/Mo	Granite City	Glen Carbon	Madison Cnty	MESD
Flow \$102,272	\$42,784	\$8,917	\$16,014	\$34,558
BOD \$171,553	\$97,497	\$12,932	\$24,661	\$36,463
TSS \$138,562	\$67,390	\$12,434	\$30,011	\$28,726
<b>Cost per Mo \$412,387</b>	<b>\$207,671</b>	<b>\$34,283</b>	<b>\$70,686</b>	<b>\$99,747</b>
<b>% of TOTAL</b>	<b>50.36%</b>	<b>8.31%</b>	<b>17.14%</b>	<b>24.19%</b>

**FY 09-10 CURRENT ALLOCATION AS A PERCENT OF BUDGET as established at Regional Board Meeting of 3/17/10**

Granite City	%	Glen Carbon	%	Madison Cnty	%	MESD	%
\$196,104	48.00	\$29,835	7.00	\$86,596	21.00	\$99,853	24.00

**REGIONAL SUMMARY FY 10/11 BUDGET**

Using 1% test Standard Deviation applied to actual data

GRANITE CITY Flow Summary	Total gal.	plus COT / decant	TOTAL Influent	GRANITE CITY Adjusted Flow GC,MCSS,MESI	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '10	606,760,000	101,870,000	708,630,000	316,955,000	572,315	484,518
Jun '10	507,330,000	2,060,000	509,390,000	190,279,000	394,878	243,129
Jul '10	582,670,000	97,828,000	680,498,000	311,823,000	560,330	447,531
Aug '10	483,980,000	42,863,000	526,843,000	206,914,000	272,735	168,861
Sep '10	446,370,000	5,248,000	451,618,000	178,370,000	601,479	343,644
Oct '10	311,480,000	1,600,000	313,080,000	125,583,000	459,106	359,910
Nov '10	281,190,000	51,714,000	332,904,000	182,712,000	413,400	491,100
Dec '10	282,410,000	1,199,000	283,609,000	117,152,000	502,573	273,232
Jan '11	253,100,000	-	253,100,000	105,841,000	435,269	357,429
Feb '11	345,890,000	31,192,000	377,082,000	148,721,000	539,418	414,675
Mar '11	392,290,000	15,103,000	407,393,000	156,840,000	212,466	283,122
Apr '11	490,350,000	97,806,000	588,156,000	232,488,000	417,308	377,606
<b>AVERAGE</b>	<b>415,318,333</b>	<b>37,373,583</b>	<b>452,691,917</b>	<b>189,473,167</b>	<b>448,440</b>	<b>353,730</b>

<b>TOTAL</b>	<b>4,983,820,000</b>	<b>448,483,000</b>	<b>5,432,303,000</b>	<b>2,273,678,000</b>	<b>5,381,277</b>	<b>4,244,757</b>
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GLEN CARBON Flow Summary	Total gal.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)	METRO EAST Flow Summary	Total gal.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '10	51,015,000	69,533	55,098	May '10	227,516,000	227,382	83,015
Jun '10	42,720,000	52,303	38,693	Jun '10	196,559,000	145,734	99,342
Jul '10	35,219,000	56,563	47,070	Jul '10	258,883,000	247,575	223,465
Aug '10	32,556,000	56,883	52,054	Aug '10	226,597,000	156,585	143,626
Sep '10	36,952,000	70,001	60,814	Sep '10	175,750,000	106,163	166,119
Oct '10	30,870,000	59,311	50,919	Oct '10	112,408,000	121,170	94,998
Nov '10	33,872,000	73,448	62,925	Nov '10	58,810,000	128,934	122,496
Dec '10	36,067,000	60,949	33,355	Dec '10	81,229,000	148,192	81,595
Jan '11	35,136,000	56,263	32,234	Jan '11	68,042,000	204,289	129,383
Feb '11	48,751,000	51,839	29,762	Feb '11	110,121,000	204,989	129,863
Mar '11	46,833,000	31,101	22,068	Mar '11	129,597,000	106,192	137,537
Apr '11	55,530,000	35,925	22,693	Apr '11	200,368,000	175,462	141,623
<b>AVERAGE</b>	<b>40,460,083</b>	<b>56,177</b>	<b>42,307</b>	<b>AVERAGE</b>	<b>153,823,333</b>	<b>164,389</b>	<b>129,422</b>

<b>TOTAL</b>	<b>485,521,000</b>	<b>674,119</b>	<b>507,685</b>	<b>TOTAL</b>	<b>1,845,880,000</b>	<b>1,972,667</b>	<b>1,553,062</b>
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MADISON CNTY Flow Summary	Total gal.	MCSS Adjusted Flow -Glen C.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '10	164,159,000	113,144,000	233,719	255,000
Jun '10	122,552,000	79,832,000	140,769	147,327
Jul '10	109,792,000	74,573,000	118,787	171,545
Aug '10	93,332,000	60,776,000	141,023	147,659
Sep '10	97,498,000	60,546,000	95,646	92,326
Oct '10	75,089,000	44,219,000	61,345	51,785
Nov '10	91,382,000	57,510,000	111,640	131,417
Dec '10	85,228,000	49,161,000	105,201	101,697
Jan '11	79,217,000	44,081,000	132,689	139,540
Feb '11	118,240,000	69,489,000	151,302	130,779
Mar '11	120,956,000	74,123,000	91,087	127,230
Apr '11	155,300,000	99,770,000	171,469	192,634
<b>AVERAGE</b>	<b>109,395,417</b>	<b>68,935,333</b>	<b>129,556</b>	<b>140,745</b>
<b>TOTAL</b>	<b>1,312,745,000</b>	<b>827,224,000</b>	<b>1,554,677</b>	<b>1,688,939</b>

**SUMMARY**

	average Gallons/Mo.	% flow	average # BOD/Month	%BOD	average # TSS/Month	%TSS
GRANITE CITY	189,473,167	41.85	448,440	56.16	353,730	53.10
GLEN CARBON	40,460,083	8.94	56,177	7.03	42,307	6.35
MADISON CNTY	68,935,333	15.23	129,556	16.22	140,745	21.13
MESD	153,823,333	33.98	164,389	20.59	129,422	19.43
<b>TOTAL</b>	<b>452,691,917</b>	<b>100</b>	<b>798,562</b>	<b>100</b>	<b>666,204</b>	<b>100</b>
<b>GRAND TOTAL</b>	<b>5,432,303,000</b>		<b>9,582,740</b>		<b>7,994,443</b>	

**PER UNIT ALLOCATION OF FY 10/11 REGIONAL TREATMENT PLANT BUDGET**

Using 1% test Standard Deviation applied to actual data

**I. FACTORS**

a. TOTAL BUDGET			<b>\$4,683,925</b>	
1. Operation, Maintenance, Replacement			\$4,683,925	
2. Debt Service & required Reserves			\$0	
b. Plant loadings, based on actual loadings over applicable months				
1. Flow	452,691,917 avg. gal/mo * 12 Mo's =		5,432.303	MGal/Yr
2. BOD	798,562 avg. lbs/mo * 12 Mo's =		9,582,740	Lbs/Yr
3. TSS	666,204 avg. lbs/mo * 12 Mo's =		7,994,443	Lbs/Yr
c. Cost allocation to various parameters				
1. 24.8% of O,M,&R & Debt Service Cost allocated to Flow =		\$1,161,613		cost per yr.
2. 41.6% of O,M,&R & Debt Service Cost allocated to BOD =		\$1,948,513		cost per yr.
3. 33.6% of O,M,&R & Debt Service Cost allocated to TSS =		\$1,573,799		cost per yr.

**II. RATE MAKING FORMULAE**

- a. Flow:  $\text{Flow cost per year} / (\text{gal per yr} / 1000 \text{ gal}) = \text{cost in cents} / 1000 \text{ gal}$
- b. BOD:  $\text{BOD cost per year} / \text{BOD \# per year} = \text{BOD cost in cents per pound}$
- c. TSS:  $\text{TSS cost per year} / \text{TSS \# per year} = \text{TSS cost in cents per pound}$

**III. PER UNIT COSTS**

<i>FLOW</i>					
a. O,M,&R	\$1,161,613	cost per yr /	5,432.30	MGal/1000 gal =	\$0.2138
b. Debt	\$0	cost per yr /	5,432.30	MGal/1000 gal =	\$0.0000
<b>c. TOTAL FLOW COST PER 1000 GALLONS</b>					<b>\$0.2138</b>

<i>BOD</i>					
a. O,M,&R	\$1,948,513	cost per yr /	9,582,740	lbs per yr =	\$0.2033
b. Debt	\$0	cost per yr /	9,582,740	lbs per yr =	\$0.0000
<b>c. TOTAL BOD COST PER POUND</b>					<b>\$0.2033</b>

<i>TSS</i>					
a. O,M,&R	\$1,573,799	cost per yr /	7,994,443	lbs per yr =	\$0.1969
b. Debt	\$0	cost per yr /	7,994,443	lbs per yr =	\$0.0000
<b>c. TOTAL TSS COST PER POUND</b>					<b>\$0.1969</b>

**EFFECT OF PER UNIT RATES ON FY 10/11 REGIONAL TREATMENT PLANT BUDGET**

Using 1% test Standard Deviation applied to actual data

FY 07/08 Regional Budget amount:	\$4,683,925
Monthly Regional Budget amount of:	\$390,327
Total Flow cost per 1000 gallons:	\$0.2138
Total BOD cost per pound:	\$0.2033
Total TSS cost per pound:	\$0.1969

**LOADINGS \***

	average Gallons/Mo.	% flow	average #BOD/Month	% BOD	average #TSS/Month	% TSS
GRANITE CITY	189,473,167	41.85	448,440	56.16	353,730	53.10
GLEN CARBON	40,460,083	8.94	56,177	7.03	42,307	6.35
MADISON CNTY	68,935,333	15.23	129,556	16.22	140,745	21.13
MESD	153,823,333	33.98	164,389	20.59	129,422	19.43
<b>TOTAL</b>	<b>452,691,917</b>	<b>100</b>	<b>798,562</b>	<b>100</b>	<b>666,204</b>	<b>100</b>

\* These loadings are based on actual sampling and metering conducted over the applicable period.  
If any flow metering was not working, a 12-month average was assigned.

**PER UNIT ALLOCATION**

Parameter cost per unit	Granite City	Glen Carbon	Madison Cnty	MESD
Flow \$0.2138	\$40,516	\$8,652	\$14,741	\$32,893
BOD \$0.2033	\$91,184	\$11,423	\$26,343	\$33,426
TSS \$0.1969	\$69,636	\$8,329	\$27,707	\$25,478
<b>TOTAL \$/Mo</b>	<b>\$201,335</b>	<b>\$28,403</b>	<b>\$68,791</b>	<b>\$91,797</b>
<b>% of TOTAL</b>	<b>51.58%</b>	<b>7.28%</b>	<b>17.62%</b>	<b>23.52%</b>

**ALLOCATION AS A PERCENT OF BUDGET**

Parameter \$/Mo	Granite City	Glen Carbon	Madison Cnty	MESD
Flow \$96,801	\$40,516	\$8,652	\$14,741	\$32,893
BOD \$162,376	\$91,184	\$11,423	\$26,343	\$33,426
TSS \$131,150	\$69,636	\$8,329	\$27,707	\$25,478
<b>Cost per Mo \$390,327</b>	<b>\$201,335</b>	<b>\$28,403</b>	<b>\$68,791</b>	<b>\$91,797</b>
<b>% of TOTAL</b>	<b>51.58%</b>	<b>7.28%</b>	<b>17.62%</b>	<b>23.52%</b>

**FY 10-11 CURRENT ALLOCATION AS A PERCENT OF BUDGET as established at Regional Board Meeting of 1/26/2011**

Granite City	%	Glen Carbon	%	Madison Cnty	%	MESD	%
\$202,924	52.93	\$29,953	7.81	\$57,808	15.08	\$92,698	24.18

**REGIONAL SUMMARY FY 11/12 BUDGET**

Using 1% test Standard Deviation applied to actual data

GRANITE CITY Flow Summary	Total gal.	plus COT / decant	TOTAL Influent	GRANITE CITY Adjusted Flow GC,MCSS,MESD	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '11	529,590,000	13,213,000	542,803,000	217,906,000	392,527	409,473
Jun '11	549,460,000	117,481,000	666,941,000	278,378,000	727,697	395,523
Jul '11	571,360,000	22,476,000	593,836,000	249,990,000	628,427	585,663
Aug '11	352,630,000	-	352,630,000	133,413,000	490,361	434,003
Sep '11	268,630,000	6,085,000	274,715,000	115,852,000	227,437	90,152
Oct '11	214,370,000	2,862,000	217,232,000	100,553,000	263,870	139,285
Nov '11	251,060,000	1,303,000	252,363,000	118,818,000	324,133	189,935
Dec '11	283,250,000	-	283,250,000	117,193,000	264,437	110,806
Jan '12	233,340,000	4,151,000	237,491,000	86,792,000	255,804	92,906
Feb '12	215,370,000	8,009,000	223,379,000	69,223,000	213,724	208,335
Mar '12	256,040,000	16,000,000	272,040,000	94,671,000	273,331	221,051
Apr '12	301,170,000	73,062,000	374,232,000	135,265,000	544,116	274,556
<b>AVERAGE</b>	<b>335,522,500</b>	<b>22,053,500</b>	<b>357,576,000</b>	<b>143,171,167</b>	<b>383,822</b>	<b>262,641</b>

<b>TOTAL</b>	<b>4,026,270,000</b>	<b>264,642,000</b>	<b>4,290,912,000</b>	<b>1,718,054,000</b>	<b>4,605,864</b>	<b>3,151,688</b>
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GLEN CARBON Flow Summary	Total gal.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)	METRO EAST Flow Summary	Total gal.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '11	46,570,000	39,875	29,407	May '11	192,435,000	253,040	247,156
Jun '11	42,587,000	49,147	29,683	Jun '11	245,470,000	358,775	386,047
Jul '11	34,572,000	63,968	59,561	Jul '11	219,068,000	161,875	129,458
Aug '11	27,715,000	49,638	49,388	Aug '11	143,837,000	192,964	153,016
Sep '11	26,579,000	66,180	54,949	Sep '11	93,403,000	201,670	141,948
Oct '11	24,348,000	59,396	57,223	Oct '11	58,747,000	123,467	89,661
Nov '11	28,638,000	68,906	57,163	Nov '11	64,546,000	102,638	33,914
Dec '11	36,226,000	65,599	59,754	Dec '11	83,933,000	151,550	111,456
Jan '12	35,704,000	51,514	43,251	Jan '12	69,246,000	145,172	80,707
Feb '12	37,440,000	41,100	43,715	Feb '12	67,698,000	94,500	52,084
Mar '12	40,473,000	73,778	65,409	Mar '12	82,291,000	120,180	79,154
Apr '12	44,518,000	60,413	61,540	Apr '12	108,435,000	231,771	150,122
<b>AVERAGE</b>	<b>35,447,500</b>	<b>57,460</b>	<b>50,920</b>	<b>AVERAGE</b>	<b>119,092,417</b>	<b>178,134</b>	<b>137,894</b>

<b>TOTAL</b>	<b>425,370,000</b>	<b>689,514</b>	<b>611,043</b>	<b>TOTAL</b>	<b>1,429,109,000</b>	<b>2,137,602</b>	<b>1,654,723</b>
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MADISON CNTY Flow Summary	Total gal.	MCSS Adjusted Flow -Glen C.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '11	132,462,000	85,892,000	118,347	124,940
Jun '11	143,093,000	100,506,000	120,762	143,871
Jul '11	124,778,000	90,206,000	115,023	120,323
Aug '11	75,380,000	47,665,000	81,675	84,449
Sep '11	65,460,000	38,881,000	87,167	92,514
Oct '11	57,932,000	33,584,000	55,836	56,608
Nov '11	68,999,000	40,361,000	60,667	50,831
Dec '11	82,124,000	45,898,000	93,044	80,730
Jan '12	81,453,000	45,749,000	108,040	104,500
Feb '12	86,458,000	49,018,000	117,353	133,666
Mar '12	95,078,000	54,605,000	118,821	113,358
Apr '12	130,532,000	86,014,000	155,818	191,841
<b>AVERAGE</b>	<b>95,312,417</b>	<b>59,864,917</b>	<b>102,713</b>	<b>108,136</b>
<b>TOTAL</b>	<b>1,143,749,000</b>	<b>718,379,000</b>	<b>1,232,553</b>	<b>1,297,631</b>

**SUMMARY**

	average Gallons/Mo.	% flow	average # BOD/Month	%BOD	average # TSS/Month	%TSS
GRANITE CITY	143,171,167	40.04	383,822	53.15	262,641	46.93
GLEN CARBON	35,447,500	9.91	57,460	7.96	50,920	9.10
MADISON CNTY	59,864,917	16.74	102,713	14.22	108,136	19.32
MESD	119,092,417	33.31	178,134	24.67	137,894	24.64
<b>TOTAL</b>	<b>357,576,000</b>	<b>100</b>	<b>722,128</b>	<b>100</b>	<b>559,590</b>	<b>100</b>
<b>GRAND TOTAL</b>	<b>4,290,912,000</b>		<b>8,665,533</b>		<b>6,715,085</b>	

**PER UNIT ALLOCATION OF FY 11/12 REGIONAL TREATMENT PLANT BUDGET**

Using 1% test Standard Deviation applied to actual data

**I. FACTORS**

a. TOTAL BUDGET		<b>\$5,273,964</b>	
1. Operation, Maintenance, Replacement		\$4,758,466	
2. Debt Service & required Reserves		\$515,498	
b. Plant loadings, based on actual loadings over applicable months			
1. Flow	357,576,000 avg. gal/mo * 12 Mo's =	4,290.912	MGal/Yr
2. BOD	722,128 avg. lbs/mo * 12 Mo's =	8,665,533	Lbs/Yr
3. TSS	559,590 avg. lbs/mo * 12 Mo's =	6,715,085	Lbs/Yr
c. Cost allocation to various parameters			
1. 24.8% of O,M,&R & Debt Service Cost allocated to Flow =		\$1,307,943	cost per yr.
2. 41.6% of O,M,&R & Debt Service Cost allocated to BOD =		\$2,193,969	cost per yr.
3. 33.6% of O,M,&R & Debt Service Cost allocated to TSS =		\$1,772,052	cost per yr.

**II. RATE MAKING FORMULAE**

- a. Flow:  $\text{Flow cost per year} / (\text{gal per yr} / 1000 \text{ gal}) = \text{cost in cents} / 1000 \text{ gal}$
- b. BOD:  $\text{BOD cost per year} / \text{BOD \# per year} = \text{BOD cost in cents per pound}$
- c. TSS:  $\text{TSS cost per year} / \text{TSS \# per year} = \text{TSS cost in cents per pound}$

**III. PER UNIT COSTS**

<i>FLOW</i>					
a. O,M,&R	\$1,307,943	cost per yr /	4,290.91	MGal/1000 gal =	\$0.3048
b. Debt	\$0	cost per yr /	4,290.91	MGal/1000 gal =	\$0.0000
<b>c. TOTAL FLOW COST PER 1000 GALLONS</b>					<b>\$0.3048</b>

<i>BOD</i>					
a. O,M,&R	\$2,193,969	cost per yr /	8,665,533	lbs per yr =	\$0.2532
b. Debt	\$0	cost per yr /	8,665,533	lbs per yr =	\$0.0000
<b>c. TOTAL BOD COST PER POUND</b>					<b>\$0.2532</b>

<i>TSS</i>					
a. O,M,&R	\$1,772,052	cost per yr /	6,715,085	lbs per yr =	\$0.2639
b. Debt	\$0	cost per yr /	6,715,085	lbs per yr =	\$0.0000
<b>c. TOTAL TSS COST PER POUND</b>					<b>\$0.2639</b>

**EFFECT OF PER UNIT RATES ON FY 11/12 REGIONAL TREATMENT PLANT BUDGET**

Using 1% test Standard Deviation applied to actual data

FY 11/12 Regional Budget amount:	\$5,273,964
Monthly Regional Budget amount of:	\$439,497
Total Flow cost per 1000 gallons:	\$0.3048
Total BOD cost per pound:	\$0.2532
Total TSS cost per pound:	\$0.2639

**LOADINGS \***

	average Gallons/Mo.	% flow	average #BOD/Month	% BOD	average #TSS/Month	% TSS
GRANITE CITY	143,171,167	40.04	383,822	53.15	262,641	46.93
GLEN CARBON	35,447,500	9.91	57,460	7.96	50,920	9.10
MADISON CNTY	59,864,917	16.74	102,713	14.22	108,136	19.32
MESD	119,092,417	33.31	178,134	24.67	137,894	24.64
<b>TOTAL</b>	<b>357,576,000</b>	<b>100</b>	<b>722,128</b>	<b>100</b>	<b>559,590</b>	<b>100</b>

\* These loadings are based on actual sampling and metering conducted over the applicable period.  
If any flow metering was not working, a 12-month average was assigned.

**PER UNIT ALLOCATION**

Parameter cost per unit	Granite City	Glen Carbon	Madison Cnty	MESD
Flow \$0.3048	\$43,641	\$10,805	\$18,248	\$36,301
BOD \$0.2532	\$97,177	\$14,548	\$26,005	\$45,100
TSS \$0.2639	\$69,309	\$13,437	\$28,536	\$36,389
<b>TOTAL \$/Mo</b>	<b>\$210,127</b>	<b>\$38,790</b>	<b>\$72,789</b>	<b>\$117,791</b>
<b>% of TOTAL</b>	<b>47.81%</b>	<b>8.83%</b>	<b>16.56%</b>	<b>26.80%</b>

**ALLOCATION AS A PERCENT OF BUDGET**

Parameter \$/Mo	Granite City	Glen Carbon	Madison Cnty	MESD
Flow \$108,995	\$43,641	\$10,805	\$18,248	\$36,301
BOD \$182,831	\$97,177	\$14,548	\$26,005	\$45,100
TSS \$147,671	\$69,309	\$13,437	\$28,536	\$36,389
<b>Cost per Mo \$439,497</b>	<b>\$210,127</b>	<b>\$38,790</b>	<b>\$72,789</b>	<b>\$117,791</b>
<b>% of TOTAL</b>	<b>47.81%</b>	<b>8.83%</b>	<b>16.56%</b>	<b>26.80%</b>

**FY 11-12 CURRENT ALLOCATION AS A PERCENT OF BUDGET as established at Regional Board Meeting of 1/10/12**

Granite City	%	Glen Carbon	%	Madison Cnty	%	MESD	%
\$216,016	51.29	\$32,426	7.70	\$64,615	15.34	\$108,137	25.67

**REGIONAL SUMMARY FY 12/13 BUDGET**

Using 1% test Standard Deviation applied to actual data

GRANITE CITY Flow Summary	Total gal.	plus COT / decant	TOTAL Influent	GRANITE CITY Adjusted Flow GC,MCSS,MESI	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '12	229,050,000	-	229,050,000	76,430,000	332,170	80,765
Jun '12	220,540,000	-	220,540,000	99,135,000	333,938	262,452
Jul '12	208,990,000	-	208,990,000	93,005,000	418,384	186,048
Aug '12	235,650,000	29,507,000	265,157,000	137,624,000	571,191	283,880
Sep '12	227,790,000	12,463,000	240,253,000	117,013,000	444,825	186,938
Oct '12	220,170,000	-	220,170,000	98,015,000	514,960	235,576
Nov '12	177,520,000	8,761,000	186,281,000	81,441,000	426,382	214,415
Dec '12	201,430,000	68,000.00	201,498,000	81,676,000	390,778	159,174
Jan '13	210,530,000	17,381,000	227,911,000	99,955,000	509,662	204,424
Feb '13	241,150,000	10,857,000	252,007,000	100,278,000	554,336	121,380
Mar '13	258,300,000	5,533,000	263,833,000	83,624,000	429,251	157,158
Apr '13	380,030,000	126,134,000	506,164,000	210,458,000	691,796	734,729
<b>AVERAGE</b>	<b>234,262,500</b>	<b>17,558,667</b>	<b>251,821,167</b>	<b>106,554,500</b>	<b>468,139</b>	<b>235,578</b>

<b>TOTAL</b>	<b>2,811,150,000</b>	<b>210,704,000</b>	<b>3,021,854,000</b>	<b>1,278,654,000</b>	<b>5,617,673</b>	<b>2,826,939</b>
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GLEN CARBON Flow Summary	Total gal.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '12	32,200,000	59,004	48,032
Jun '12	28,435,000	34,861	25,815
Jul '12	26,304,000	41,048	39,829
Aug '12	28,068,000	36,622	21,432
Sep '12	26,569,000	53,583	44,720
Oct '12	29,317,000	66,470	58,131
Nov '12	24,775,000	44,579	48,040
Dec '12	28,886,000	78,743	66,216
Jan '13	28,547,000	61,584	60,568
Feb '13	35,693,000	54,327	60,072
Mar '13	41,145,000	30,326	38,261
Apr '13	53,318,000	58,301	56,325
<b>AVERAGE</b>	<b>31,938,083</b>	<b>51,621</b>	<b>47,287</b>

<b>TOTAL</b>	<b>383,257,000</b>	<b>619,448</b>	<b>567,441</b>
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METRO EAST Flow Summary	Total gal.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '12	76,850,000	121,937	73,249
Jun '12	51,019,000	136,524	74,401
Jul '12	49,927,000	99,055	42,194
Aug '12	60,170,000	118,429	58,545
Sep '12	60,588,000	98,121	66,608
Oct '12	54,304,000	131,987	88,881
Nov '12	46,657,000	120,432	76,851
Dec '12	54,572,000	145,122	117,424
Jan '13	61,933,000	121,434	94,213
Feb '13	68,290,000	107,244	76,090
Mar '13	85,089,000	109,107	97,576
Apr '13	159,700,000	212,068	267,268
<b>AVERAGE</b>	<b>69,091,583</b>	<b>126,788</b>	<b>94,442</b>

<b>TOTAL</b>	<b>829,099,000</b>	<b>1,521,460</b>	<b>1,133,300</b>
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MADISON CNTY Flow Summary	Total gal.	MCSS Adjusted Flow -Glen C.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '12	75,770,000	43,570,000	88,866	83,950
Jun '12	70,386,000	41,951,000	147,367	116,076
Jul '12	66,058,000	39,754,000	69,566	66,193
Aug '12	67,363,000	39,295,000	134,979	111,841
Sep '12	62,652,000	36,083,000	88,921	90,090
Oct '12	67,851,000	38,534,000	58,942	70,040
Nov '12	58,183,000	33,408,000	101,116	128,711
Dec '12	65,250,000	36,364,000	108,690	142,129
Jan '13	66,023,000	37,476,000	117,812	121,691
Feb '13	83,439,000	47,746,000	115,121	154,399
Mar '13	95,120,000	53,975,000	137,358	158,081
Apr '13	136,006,000	82,688,000	167,296	184,648
<b>AVERAGE</b>	<b>76,175,083</b>	<b>44,237,000</b>	<b>111,336</b>	<b>118,987</b>
<b>TOTAL</b>	<b>914,101,000</b>	<b>530,844,000</b>	<b>1,336,034</b>	<b>1,427,849</b>

**SUMMARY**

	average Gallons/Mo.	% flow	average # BOD/Month	%BOD	average # TSS/Month	%TSS
GRANITE CITY	106,554,500	42.31	468,139	61.77	235,578	47.47
GLEN CARBON	31,938,083	12.68	51,621	6.81	47,287	9.53
MADISON CNTY	44,237,000	17.57	111,336	14.69	118,987	23.98
MESD	69,091,583	27.44	126,788	16.73	94,442	19.03
<b>TOTAL</b>	<b>251,821,167</b>	<b>100</b>	<b>757,885</b>	<b>100</b>	<b>496,294</b>	<b>100</b>
<b>GRAND TOTAL</b>	<b>3,021,854,000</b>		<b>9,094,615</b>		<b>5,955,529</b>	

**PER UNIT ALLOCATION OF FY 12/13 REGIONAL TREATMENT PLANT BUDGET**

Using 1% test Standard Deviation applied to actual data

**I. FACTORS**

a. TOTAL BUDGET		<b>\$5,446,313</b>	
1. Operation, Maintenance, Replacement		\$4,871,361	
2. Debt Service & required Reserves		\$574,952	
b. Plant loadings, based on actual loadings over applicable months			
1. Flow	251,821,167 avg. gal/mo * 12 Mo's =	3,021.854	MGal/Yr
2. BOD	757,885 avg. lbs/mo * 12 Mo's =	9,094,615	Lbs/Yr
3. TSS	496,294 avg. lbs/mo * 12 Mo's =	5,955,529	Lbs/Yr
c. Cost allocation to various parameters			
1. 24.8% of O,M,&R & Debt Service Cost allocated to Flow =		\$1,350,686	cost per yr.
2. 41.6% of O,M,&R & Debt Service Cost allocated to BOD =		\$2,265,666	cost per yr.
3. 33.6% of O,M,&R & Debt Service Cost allocated to TSS =		\$1,829,961	cost per yr.

**II. RATE MAKING FORMULAE**

- a. Flow: Flow cost per year/(gal per yr/1000 gal) = cost in cents/1000 gal
- b. BOD: BOD cost per year/BOD # per year = BOD cost in cents per pound
- c. TSS: TSS cost per year/TSS # per year = TSS cost in cents per pound

**III. PER UNIT COSTS**

<i>FLOW</i>					
a. O,M,&R	\$1,350,686	cost per yr /	3,021.85	MGal/1000 gal =	\$0.4470
b. Debt	\$0	cost per yr /	3,021.85	MGal/1000 gal =	\$0.0000
<b>c. TOTAL FLOW COST PER 1000 GALLONS</b>					<b>\$0.4470</b>
<i>BOD</i>					
a. O,M,&R	\$2,265,666	cost per yr /	9,094,615	lbs per yr =	\$0.2491
b. Debt	\$0	cost per yr /	9,094,615	lbs per yr =	\$0.0000
<b>c. TOTAL BOD COST PER POUND</b>					<b>\$0.2491</b>
<i>TSS</i>					
a. O,M,&R	\$1,829,961	cost per yr /	5,955,529	lbs per yr =	\$0.3073
b. Debt	\$0	cost per yr /	5,955,529	lbs per yr =	\$0.0000
<b>c. TOTAL TSS COST PER POUND</b>					<b>\$0.3073</b>

**EFFECT OF PER UNIT RATES ON FY 12/13 REGIONAL TREATMENT PLANT BUDGET**

Using 1% test Standard Deviation applied to actual data

FY 11/12 Regional Budget amount:	\$5,446,313
Monthly Regional Budget amount of:	\$453,859
Total Flow cost per 1000 gallons:	\$0.4470
Total BOD cost per pound:	\$0.2491
Total TSS cost per pound:	\$0.3073

**LOADINGS \***

	average Gallons/Mo.	% flow	average #BOD/Month	% BOD	average #TSS/Month	% TSS
GRANITE CITY	106,554,500	42.31	468,139	61.77	235,578	47.47
GLEN CARBON	31,938,083	12.68	51,621	6.81	47,287	9.53
MADISON CNTY	44,237,000	17.57	111,336	14.69	118,987	23.98
MESD	69,091,583	27.44	126,788	16.73	94,442	19.03
<b>TOTAL</b>	<b>251,821,167</b>	<b>100</b>	<b>757,885</b>	<b>100</b>	<b>496,294</b>	<b>100</b>

\* These loadings are based on actual sampling and metering conducted over the applicable period.  
If any flow metering was not working, a 12-month average was assigned.

**PER UNIT ALLOCATION**

Parameter cost per unit	Granite City	Glen Carbon	Madison Cnty	MESD
Flow \$0.4470	\$47,627	\$14,275	\$19,773	\$30,882
BOD \$0.2491	\$116,624	\$12,860	\$27,736	\$31,586
TSS \$0.3073	\$72,386	\$14,530	\$36,561	\$29,019
<b>TOTAL \$/Mo</b>	<b>\$236,637</b>	<b>\$41,665</b>	<b>\$84,070</b>	<b>\$91,487</b>
<b>% of TOTAL</b>	<b>52.14%</b>	<b>9.18%</b>	<b>18.52%</b>	<b>20.16%</b>

**ALLOCATION AS A PERCENT OF BUDGET**

Parameter \$/Mo	Granite City	Glen Carbon	Madison Cnty	MESD
Flow \$112,557	\$47,627	\$14,275	\$19,773	\$30,882
BOD \$188,806	\$116,624	\$12,860	\$27,736	\$31,586
TSS \$152,497	\$72,386	\$14,530	\$36,561	\$29,019
<b>Cost per Mo \$453,859</b>	<b>\$236,637</b>	<b>\$41,665</b>	<b>\$84,070</b>	<b>\$91,487</b>
<b>% of TOTAL</b>	<b>52.14%</b>	<b>9.18%</b>	<b>18.52%</b>	<b>20.16%</b>

**FY 12-13 CURRENT ALLOCATION AS A PERCENT OF BUDGET as established at Regional Board Meeting of 1/9/13**

Granite City	%	Glen Carbon	%	Madison Cnty	%	MESD	%
\$247,298	54.49	\$45,431	10.01	\$84,645	18.65	\$76,485	16.85

**REGIONAL SUMMARY FY 13/14 BUDGET**

Using 1% test Standard Deviation applied to actual data

GRANITE CITY				GRANITE CITY	B.O.D.	T.S.S.
Flow Summary	Total gal.	plus COT / decant	TOTAL Influent	Adjusted Flow GC,MCSS,MESD	Loading (lbs)	Loading (lbs)
May '13	427,390,000	67,610,000	495,000,000	152,905,000	810,618	539,574
Jun '13	571,110,000	48,916,000	620,026,000	253,421,000	574,003	275,336
Jul '13	438,970,000	1,329,000	440,299,000	167,299,000	486,866	256,859
Aug '13	228,120,000	-	228,120,000	101,771,000	348,952	231,368
Sep '13	204,520,000	-	204,520,000	91,221,000	330,640	93,764
Oct '13	211,170,000	-	211,170,000	93,056,000	530,297	212,823
Nov '13	210,950,000	-	210,950,000	80,470,000	460,509	220,254
Dec '13	217,480,000	199,000.00	217,679,000	77,301,000	576,920	291,080
Jan '14	253,030,000	6,210,000	259,240,000	107,432,000	741,917	341,621
Feb '14	218,360,000	-	218,360,000	80,066,000	519,932	286,755
Mar '14	237,010,000	56,443,000	293,453,000	131,216,000	1,005,197	465,952
Apr '14	350,250,000	15,494,000	365,744,000	164,561,000	680,842	480,545
<b>AVERAGE</b>	<b>297,363,333</b>	<b>16,350,083</b>	<b>313,713,417</b>	<b>125,059,917</b>	<b>588,891</b>	<b>307,994</b>
<b>TOTAL</b>	<b>3,568,360,000</b>	<b>196,201,000</b>	<b>3,764,561,000</b>	<b>1,500,719,000</b>	<b>7,066,693</b>	<b>3,695,931</b>

GLEN CARBON				METRO EAST			
Flow Summary	Total gal.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)	Flow Summary	Total gal.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)
May '13	53,825,000	64,791	57,260	May '13	196,563,000	181,784	150,455
Jun '13	53,909,000	68,532	97,178	Jun '13	206,216,000	145,204	311,046
Jul '13	42,167,000	65,685	70,960	Jul '13	152,404,000	158,457	216,361
Aug '13	25,960,000	40,078	39,260	Aug '13	62,596,000	88,683	83,064
Sep '13	24,925,000	45,478	48,689	Sep '13	56,120,000	85,718	85,287
Oct '13	26,820,000	46,162	46,497	Oct '13	57,945,000	131,024	81,913
Nov '13	28,151,000	43,825	40,930	Nov '13	57,885,000	112,322	88,184
Dec '13	29,133,000	53,332	45,192	Dec '13	59,731,000	155,176	110,840
Jan '14	33,826,000	67,960	73,913	Jan '14	71,135,000	104,000	87,923
Feb '14	31,188,000	76,147	67,823	Feb '14	59,918,000	71,272	68,211
Mar '14	33,893,000	66,851	67,628	Mar '14	80,523,000	163,022	135,152
Apr '14	51,937,000	126,524	97,267	Apr '14	78,801,000	122,239	111,505
<b>AVERAGE</b>	<b>36,311,167</b>	<b>63,780</b>	<b>62,716</b>	<b>AVERAGE</b>	<b>94,986,417</b>	<b>126,575</b>	<b>127,495</b>
<b>TOTAL</b>	<b>435,734,000</b>	<b>765,365</b>	<b>752,597</b>	<b>TOTAL</b>	<b>1,139,837,000</b>	<b>1,518,901</b>	<b>1,529,941</b>

MADISON CNTY				MCSS	
Flow Summary	Total gal.	Adjusted Flow -Glen C.	B.O.D. Loading (lbs)	T.S.S. Loading (lbs)	
May '13	145,531,000	91,707,000	191,847	174,699	
Jun '13	160,389,000	106,480,000	138,612	149,713	
Jul '13	120,283,000	78,429,000	160,502	267,761	
Aug '13	63,753,000	37,793,000	92,197	108,198	
Sep '13	57,179,000	32,254,000	98,484	125,529	
Oct '13	60,169,000	33,349,000	127,966	134,280	
Nov '13	72,595,000	44,444,000	146,889	149,986	
Dec '13	80,647,000	51,514,000	129,783	166,507	
Jan '14	80,673,000	46,847,000	146,398	136,947	
Feb '14	78,376,000	47,188,000	102,301	113,076	
Mar '14	81,714,000	47,821,000	158,724	157,265	
Apr '14	122,382,000	70,445,000	76,690	122,403	
<b>AVERAGE</b>	<b>93,640,917</b>	<b>57,355,917</b>	<b>130,866</b>	<b>150,530</b>	
<b>TOTAL</b>	<b>1,123,691,000</b>	<b>688,271,000</b>	<b>1,570,393</b>	<b>1,806,364</b>	

**SUMMARY**

	average Gallons/Mo.	% flow	average # BOD/Month	%BOD	average # TSS/Month	%TSS
GRANITE CITY	125,059,917	39.86	588,891	64.71	307,994	47.48
GLEN CARBON	36,311,167	11.57	63,780	7.01	62,716	9.67
MADISON CNTY	57,355,917	18.28	130,866	14.38	150,530	23.20
MESD	94,986,417	30.28	126,575	13.91	127,495	19.65
<b>TOTAL</b>	<b>313,713,417</b>	<b>100</b>	<b>910,113</b>	<b>100</b>	<b>648,736</b>	<b>100</b>
<b>GRAND TOTAL</b>	<b>3,764,561,000</b>		<b>10,921,352</b>		<b>7,784,833</b>	

**PER UNIT ALLOCATION OF FY 13/14 REGIONAL TREATMENT PLANT BUDGET**

Using 1% test Standard Deviation applied to actual data

**I. FACTORS**

a. TOTAL BUDGET			<b>\$5,615,662</b>	
1. Operation, Maintenance, Replacement			\$4,999,875	
2. Debt Service & required Reserves			\$615,787	
b. Plant loadings, based on actual loadings over applicable months				
1. Flow	313,713,417 avg. gal/mo * 12 Mo's =		3,764.561	MGal/Yr
2. BOD	910,113 avg. lbs/mo * 12 Mo's =		10,921,352	Lbs/Yr
3. TSS	648,736 avg. lbs/mo * 12 Mo's =		7,784,833	Lbs/Yr
c. Cost allocation to various parameters				
1. 24.8% of O,M,&R & Debt Service Cost allocated to Flow =		\$1,392,684		cost per yr.
2. 41.6% of O,M,&R & Debt Service Cost allocated to BOD =		\$2,336,115		cost per yr.
3. 33.6% of O,M,&R & Debt Service Cost allocated to TSS =		\$1,886,862		cost per yr.

**II. RATE MAKING FORMULAE**

- a. Flow:  $\text{Flow cost per year} / (\text{gal per yr} / 1000 \text{ gal}) = \text{cost in cents} / 1000 \text{ gal}$
- b. BOD:  $\text{BOD cost per year} / \text{BOD \# per year} = \text{BOD cost in cents per pound}$
- c. TSS:  $\text{TSS cost per year} / \text{TSS \# per year} = \text{TSS cost in cents per pound}$

**III. PER UNIT COSTS**

<i>FLOW</i>					
a. O,M,&R	\$1,239,969	cost per yr /	3,764.56	MGal/1000 gal =	\$0.3294
b. Debt	\$152,715	cost per yr /	3,764.56	MGal/1000 gal =	\$0.0406
<b>c. TOTAL FLOW COST PER 1000 GALLONS</b>					<b>\$0.3699</b>

<i>BOD</i>					
a. O,M,&R	\$2,079,948	cost per yr /	10,921,352	lbs per yr =	\$0.1904
b. Debt	\$256,167	cost per yr /	10,921,352	lbs per yr =	\$0.0235
<b>c. TOTAL BOD COST PER POUND</b>					<b>\$0.2139</b>

<i>TSS</i>					
a. O,M,&R	\$1,679,958	cost per yr /	7,784,833	lbs per yr =	\$0.2158
b. Debt	\$206,904	cost per yr /	7,784,833	lbs per yr =	\$0.0266
<b>c. TOTAL TSS COST PER POUND</b>					<b>\$0.2424</b>

**EFFECT OF PER UNIT RATES ON FY 13/14 REGIONAL TREATMENT PLANT BUDGET**

Using 1% test Standard Deviation applied to actual data

FY 13/14 Regional Budget amount:	\$5,615,662
Monthly Regional Budget amount of:	\$467,972
Total Flow cost per 1000 gallons:	\$0.3699
Total BOD cost per pound:	\$0.2139
Total TSS cost per pound:	\$0.2424

**LOADINGS \***

	average Gallons/Mo.	% flow	average #BOD/Month	% BOD	average #TSS/Month	% TSS
GRANITE CITY	125,059,917	39.86	588,891	64.71	307,994	47.48
GLEN CARBON	36,311,167	11.57	63,780	7.01	62,716	9.67
MADISON CNTY	57,355,917	18.28	130,866	14.38	150,530	23.20
MESD	94,986,417	30.28	126,575	13.91	127,495	19.65
<b>TOTAL</b>	<b>313,713,417</b>	<b>100</b>	<b>910,113</b>	<b>100</b>	<b>648,736</b>	<b>100</b>

\* These loadings are based on actual sampling and metering conducted over the applicable period.  
If any flow metering was not working, a 12-month average was assigned.

**PER UNIT ALLOCATION**

Parameter cost per unit	Granite City	Glen Carbon	Madison Cnty	MESD
Flow \$0.3699	\$46,265	\$13,433	\$21,219	\$35,140
BOD \$0.2139	\$125,966	\$13,643	\$27,993	\$27,075
TSS \$0.2424	\$74,651	\$15,201	\$36,485	\$30,902
<b>TOTAL \$/Mo</b>	<b>\$246,882</b>	<b>\$42,277</b>	<b>\$85,696</b>	<b>\$93,117</b>
<b>% of TOTAL</b>	<b>52.76%</b>	<b>9.03%</b>	<b>18.31%</b>	<b>19.90%</b>

**ALLOCATION AS A PERCENT OF BUDGET**

Parameter \$/Mo	Granite City	Glen Carbon	Madison Cnty	MESD
Flow \$116,057	\$46,265	\$13,433	\$21,219	\$35,140
BOD \$194,676	\$125,966	\$13,643	\$27,993	\$27,075
TSS \$157,239	\$74,651	\$15,201	\$36,485	\$30,902
<b>Cost per Mo \$467,972</b>	<b>\$246,882</b>	<b>\$42,277</b>	<b>\$85,696</b>	<b>\$93,117</b>
<b>% of TOTAL</b>	<b>52.76%</b>	<b>9.03%</b>	<b>18.31%</b>	<b>19.90%</b>

**FY 13-14 CURRENT ALLOCATION AS A PERCENT OF BUDGET as established at Regional Board Meeting of 2/12/14**

Granite City	%	Glen Carbon	%	Madison Cnty	%	MESD	%
\$232,557	49.69	\$37,415	8.00	\$93,197	19.91	\$104,803	22.40

GRANITE CITY REGIONAL WASTEWATER TREATMENT PLANT

REGIONAL USER'S RECAPITULATION  
FOR  
FISCAL YEAR ENDING APRIL 30, 2010 \*

USER	GRANITE CITY	MESD	MADISON CO.	GLEN CARB	TOTAL
(A) TOTAL % BILLED:	50.50%	25.00%	16.00%	8.50%	100.0%
(B) AMOUNT BILLED:	\$2,502,001	\$1,238,622	\$792,462	\$421,129	\$4,948,645
(C) ACTUAL ENDING %	50.36%	24.19%	17.14%	8.31%	100%
ENDING PORTION					
(D) of actual cost:	\$2,462,171	\$1,182,683	\$837,999	\$406,288	\$4,889,140
(E) CREDIT/(DEBIT):	\$39,830	\$55,939	(\$45,536)	\$14,841	\$59,505
	^^^^^^^^	^^^^^^^^	^^^^^^^^	^^^^^^^^	^^^^^^^^
	GRANITE GETS	MESD GETS	MADCO GIVES	GLEN GETS	PROOF

THE BOARD RULED THAT AN AMOUNT EITHER OVERPAID, OR UNDERPAID OF LESS THAN \$1000.00 SHALL BE REMITTED IN A LUMP-SUM CHECK.

AN AMOUNT OVER \$1000.00 SHALL BE REMITTED FROM, OR PAID TO THE USER IN THE FORM OF A CREDIT OR DEBIT TO THE USER'S TREATMENT BILL EQUAL TO ONE SIXTH OF THE TOTAL AMOUNT OVERPAID OR UNDERPAID, SPREAD OVER THE FIRST SIX MONTHS OF THE ENSUING FISCAL YEAR.

## Recapitulation FYE 2011

		<b>Granite City</b>	<b>MESD</b>	<b>Madison County</b>	<b>Glen Carbon</b>	<b>Total</b>
(a)	Total Billed	\$ 2,400,512	\$ 1,124,144	\$ 800,950	\$ 358,321	\$ 4,683,927
(b)	Ending Contributions	51.25%	24.00%	17.10%	7.65%	100.00%
(c)	Actual Usage %	51.58%	23.52%	17.62%	7.28%	
(d)	Actual Usage	\$ \$ 2,415,970	\$ 1,101,660	\$ 825,308	\$ 340,990	\$ 4,683,927
(e)	Actual Paid	\$ \$ 2,400,512	\$ 1,124,144	\$ 800,950	\$ 358,321	
CREDIT/(DEBIT):		\$ (15,458)	\$ 22,484	\$ (24,358)	\$ 17,331	
		<b>Granite City</b>	<b>MESD</b>	<b>Madison County</b>	<b>Glen Carbon</b>	

THE BOARD RULED THAT AN AMOUNT EITHER OVERPAID, OR UNDERPAID OF LESS THAN \$1000.00 SHALL BE REMITTED IN A LUMP-SUM CHECK.

AN AMOUNT OVER \$1000.00 SHALL BE REMITTED FROM, OR PAID TO THE USER IN THE FORM OF A CREDIT OR DEBIT TO THE USER'S TREATMENT BILL EQUAL TO ONE SIXTH OF THE TOTAL AMOUNT OVERPAID OR UNDERPAID, SPREAD OVER THE FIRST SIX MONTHS OF THE ENSUING FISCAL YEAR.

## Recapitulation FYE 2012

		<b>Granite City</b>	<b>MESD</b>	<b>Madison County</b>	<b>Glen Carbon</b>	<b>Total</b>
(a)	Total Billed	\$ 2,633,271	\$ 1,262,402	\$ 804,180	\$ 369,401	\$ 5,069,254
(b)	Ending Contributions	51.95%	24.90%	15.86%	7.29%	100.00%
(c)	Actual Usage %	47.81%	26.80%	16.56%	8.83%	
(d)	Actual Usage	\$ \$ 2,425,862	\$ 1,359,822	\$ 840,248	\$ 448,031	\$ 5,073,964
(e)	Actual Paid	\$ \$ 2,633,271	\$ 1,262,402	\$ 804,180	\$ 369,401	
CREDIT/(DEBIT):		\$ 207,409	\$ (97,420)	\$ (36,068)	\$ (78,630)	
		<b>Granite City</b>	<b>MESD</b>	<b>Madison County</b>	<b>Glen Carbon</b>	

THE BOARD RULED THAT AN AMOUNT EITHER OVERPAID, OR UNDERPAID OF LESS THAN \$1000.00 SHALL BE REMITTED IN A LUMP-SUM CHECK.

AN AMOUNT OVER \$1000.00 SHALL BE REMITTED FROM, OR PAID TO THE USER IN THE FORM OF A CREDIT OR DEBIT TO THE USER'S TREATMENT BILL EQUAL TO ONE SIXTH OF THE TOTAL AMOUNT OVERPAID OR UNDERPAID, SPREAD OVER THE FIRST SIX MONTHS OF THE ENSUING FISCAL YEAR.

## Recapitulation FYE 2013

		<b>Granite City</b>	<b>MESD</b>	<b>Madison County</b>	<b>Glen Carbon</b>	<b>Total</b>
(a)	Total Billed \$	2,829,355	\$ 1,084,906	\$ 1,014,648	\$ 517,399	\$ 5,446,308
(b)	Ending Contributions	51.95%	19.92%	18.63%	9.50%	100.00%
(c)	Actual Usage %	52.14%	20.16%	18.52%	9.18%	100.00%
(d)	Actual Usage \$	\$ 2,839,705	\$ 1,097,976	\$ 1,008,656	\$ 499,971	\$ 5,446,308
(e)	Actual Paid \$	\$ 2,829,355	\$ 1,084,906	\$ 1,014,648	\$ 517,399	\$ 5,446,308
<b>CREDIT/(DEBIT):</b>		<b>\$ (10,350)</b>	<b>\$ (13,070)</b>	<b>\$ 5,992</b>	<b>\$ 17,428</b>	
		<b>Granite City</b>	<b>MESD</b>	<b>Madison County</b>	<b>Glen Carbon</b>	

THE BOARD RULED THAT AN AMOUNT EITHER OVERPAID, OR UNDERPAID OF LESS THAN \$1000.00 SHALL BE REMITTED IN A LUMP-SUM CHECK.

AN AMOUNT OVER \$1000.00 SHALL BE REMITTED FROM, OR PAID TO THE USER IN THE FORM OF A CREDIT OR DEBIT TO THE USER'S TREATMENT BILL EQUAL TO ONE SIXTH OF THE TOTAL AMOUNT OVERPAID OR UNDERPAID, SPREAD OVER THE FIRST SIX MONTHS OF THE ENSUING FISCAL YEAR.

## Recapitulation FYE 2014

		<b>Granite City</b>		<b>MESD</b>		<b>Madison County</b>		<b>Glen Carbon</b>		<b>Total</b>	
(a)	Total Billed	\$	2,822,992	\$	1,210,176	\$	1,101,232	\$	481,264	\$	5,615,664
(b)	Ending Contributions		50.27%		21.55%		19.61%		8.57%		100.00%
(c)	Actual Usage %		52.76%		19.90%		18.31%		9.03%		100.00%
(d)	Actual Usage	\$	2,962,824	\$	1,117,517	\$	1,028,228	\$	507,094	\$	5,615,664
(e)	Actual Paid	\$	2,822,992	\$	1,210,176	\$	1,101,232	\$	481,264	\$	5,615,664
<b>CREDIT/(DEBIT):</b>		<b>\$</b>	<b>(139,832)</b>	<b>\$</b>	<b>92,659</b>	<b>\$</b>	<b>73,004</b>	<b>\$</b>	<b>(25,830)</b>		
			<b>Granite City</b>		<b>MESD</b>		<b>Madison County</b>		<b>Glen Carbon</b>		

THE BOARD RULED THAT AN AMOUNT EITHER OVERPAID, OR UNDERPAID OF LESS THAN \$1000.00 SHALL BE REMITTED IN A LUMP-SUM CHECK.

AN AMOUNT OVER \$1000.00 SHALL BE REMITTED FROM, OR PAID TO THE USER IN THE FORM OF A CREDIT OR DEBIT TO THE USER'S TREATMENT BILL EQUAL TO ONE SIXTH OF THE TOTAL AMOUNT OVERPAID OR UNDERPAID, SPREAD OVER THE FIRST SIX MONTHS OF THE ENSUING FISCAL YEAR.

## **APPENDIX G**

**Existing User Charge Ordinance No.8250**  
**Existing Industrial Pretreatment Charge Ordinance No.8401**

**ORDINANCE NO. 8250**  
**AN ORDINANCE TO AMEND ORDINANCE 7738, TO ADJUST MINIMUM**  
**SEWER RATES SO AS TO MAKE THE CITY ELIGIBLE**  
**FOR IEPA SEWER RELINE FINANCING**

WHEREAS, the City of Granite City is a home rule unit pursuant to Article VII, section 6, of the Illinois State Constitution of 1970; and

WHEREAS, the City of Granite City owns and operates a Regional Waste Water Treatment Plant, to provide waste water treatment services for the effluent generated by City residents, City businesses, and others; and

WHEREAS, pursuant to current Ordinance 7738 (March 2, 2004), the City of Granite City has for years charged reasonable fees for waste water treatment services, including but not limited to a basic user charge for residential users of \$11.50 per month; and

WHEREAS, the City has experienced multiple sewer breaks in recent years; and

WHEREAS, on May 17, 2011, the Granite City City Council approved a resolution to seek financing from the Illinois Environmental Protection Agency (IEPA), for a project to reline large diameter sewers in the City of Granite City, to reduce overall maintenance costs, and to maintain the sewer infrastructure at key locations in the Granite City sewer collection system; and

WHEREAS, the Granite City City Council hereby finds that the City of Granite City is far more likely to be eligible for, and to receive, \$7,000,000 in financing from the IEPA if minimum rates for sewer users are increased within the City of Granite City by a total of \$2.70 per month, by July 1, 2012; and

WHEREAS, the Granite City City Council hereby finds that the sewer user rates charged for single family dwellings in the City of Granite City, for sewer use, even after a \$2.70 per month increase, will still be significantly lower than the sewer use charges of Madison County Sanitary Sewer Special Service Area 1, and other area municipalities.

Now, therefore, be it ordained by the City Council of the City of Granite City, Illinois, as

Follows:

- 1) That ordinance 7738, adopted March 2, 2004, Section 9, Subsections (a), (b), and (c), and Granite City Municipal Code Section 13.16.090, be amended to read as follows:
  - (a) Residential users shall be charged a fixed rate of \$12.85 per month for all single family residences effective August 1, 2011, continuing until July 31, 2012, at which time said services shall be increased to \$14.20 per month.
  - (b) Commercial users, industrial users, mobile home parks, and all multiple family dwellings (dwellings containing two or more living units) shall be charged the larger of the following:
    - (1) Either the following fixed rate per month per unit where water usage is equal to or less than 4,500 gallons for the month; or
    - (2) the following cost per 1,000 gallons for all water consumption or metered sewer usage. If there is no meter, the fee shall be determined by the City of Granite City based on the estimated waste water usage.

<b>Effective Date</b>	<b>Minimum Cost/Month</b>	<b>Cost/ 100 cu. ft.</b>	<b>Cost/1,000 gallons</b>
<u>Aug. 1, 2011–July 31, 2012</u>	<u>\$12.85</u>	\$2.13	\$2.85
<u>Aug. 1, 2012 – on</u>	<u>\$14.20</u>	\$2.36	\$3.15

- (c) The user rates for residential, commercial, mobile home parks and industrial users have been established to assure that each recipient of waste treatment services will pay its proportionate share of costs. All of the user rates contained in this chapter are based upon the following individual components:

	Allocation	8/1/11 - 7/31/12			8/1/12 - on			
		Minimum Cost/Mo. 4500 gal	Cost/Mo. 1000 gal	100 Cu. Ft	Allocation	Minimum Cost/Mo. 4500 gal	Cost /Mo. 1000 gal	Cost per 100 cu. ft.
1 Administration	2%	\$0.26	\$0.06	\$0.04	3%	\$0.28	\$0.06	\$0.04
2. Capital Improvement	9%	\$1.16	\$0.26	\$0.19	10%	1.280	\$0.28	\$0.21
3. Sewer O, M&R	27%	\$3.47	\$0.77	\$0.58	28%	\$3.83	\$0.85	\$0.64
4. Sewage Treatment	48%	\$6.16	\$1.36	\$1.02	49%	\$6.82	\$1.51	\$1.13
5. Debt Service	14%	\$1.80	\$0.40	\$0.30	10%	\$1.99	\$0.45	\$0.34
<b>TOTAL/ MONTH</b>	<b>100%</b>	<b>\$12.85</b>	<b>\$2.85</b>	<b>\$2.13</b>	<b>100%</b>	<b>\$14.20</b>	<b>\$3.15</b>	<b>\$2.36</b>

2. Section 13.16.100 of the Granite City Municipal Code, and Ordinance 7738, Section 10, are hereby amended to read as follows:

### SURCHARGE RATES

#### 13.16.100 Surcharge Rates

Whenever sewage or industrial waste discharge from any lot, parcel of land or premises in the sanitary sewage system has total suspended solids (TSS) content in excess of two hundred fifty (250) milligrams per liter and/or a Biological Oxygen Demand (BOD) in excess of two hundred (200) milligrams per liter as determined by tests conducted or supervised by the superintendent, there shall be an additional charge or surcharge as follows:

Effective Date	BOD/Pound	TSS/Pound
August 1, 2011-July 31, 2012	\$0.16 (sixteen cents)	\$0.17 (seventeen cents)
August 1, 2012 -	\$0.18 (eighteen cents)	\$0.19 (nineteen cents)

This surcharge shall be charged and paid in addition to all other charges. The concentration of wastes used for computing surcharges shall be established by waste sampling and flow monitoring. The superintendent shall maintain a program of sampling and monitoring industrial user discharges as often as the superintendent deems necessary, provided that any major contributing industry shall be sampled and monitored no less than twelve times annually, and any industrial user that has a population equivalent greater than or equal to fifty shall be sampled and monitored no less than once annually. All other industrial users shall be sampled and monitored at such frequency as deemed necessary by the superintendent.

- 3.) Ordinance 7738, as amended, shall otherwise remain in full force and effect.
- 4.) This Ordinance shall take effect on August 1, 2011. This Ordinance may be published in pamphlet form by the City Clerk.

Passed this 7 day of June, 2011.

APPROVED:   
MAYOR Edward Hagnauer

ATTEST:   
CITY CLERK, Judy Whitaker

ORDINANCE NO. 8401

AN ORDINANCE AMENDING SECTION 6 OF ORDINANCE 4868, AND AMENDING ORDINANCE 3819, AS PREVIOUSLY AMENDED BY SECTION 6.3 OF ORDINANCE NO.3878, ESTABLISHING RATES AND CHARGES FOR THE INDUSTRIAL PRETREATMENT PROGRAM.

WHEREAS, the City of Granite City is a home rule unit pursuant to Article VII, Section 6 of the Illinois Constitution of 1970; and

WHEREAS, the City of Granite City operates a Waste Water Treatment Plant for the residents of the City of Granite City and portions of the surrounding region; and

WHEREAS, users of the Waste Water Treatment Plant services provided by the City of Granite City, include significant industrial users (SIU), which includes industrial users that discharge an average of 25,000 gallons or more of process waste water per day to the Granite City Waste Water Treatment Plant, as defined in Ordinance 4868, Section 1.2(61), as adopted by the Granite City City Council March 7, 1995; and

WHEREAS, significant industrial users are typically required by law to pretreat their processed waste water, before discharging said processed waste water to the Granite City Waste Water Treatment Plant, to protect the safe and efficient operation of the Waste Water Treatment Plant, and to comply with state and federal environmental standards, before said treated waste water is ultimately discharged to the Mississippi River; and.

WHEREAS, pretreatment of the processed waste water discharge of significant industrial users has generally been required at least since the adoption of Ordinance 3878, as adopted by the Granite City City Council July 6, 1982; and

WHEREAS, the charges and fees assessed by the Granite City Waste Water Treatment Plant to significant industrial users (SIU) for pretreatment expenses of the Granite City Waste Water Treatment Plant, though such fees are and have been

authorized by Section 6.1 and 6.2 of the Ordinance 3819 and the amended Ordinance 4868, have not increased since 1982 as established by Section 6.3 of the Ordinance 3878; and

WHEREAS, the Granite City City Council hereby finds the costs of operating said pretreatment program, including the necessary equipment, monitoring, inspections, and permitting expenses, greatly exceed the fees currently collected directly from the 19 significant industrial users currently utilizing the pretreatment program of the Granite City Waste Water Treatment Plant, and therefore the cost of running said pretreatment program has essentially been subsidized by the other users of the Granite City Waste Water Treatment Plant services.

NOW, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GRANITE CITY, MADISON COUNTY, ILLINOIS, as follows:

### **SECTION 1**

That Section 6 of Ordinance No. 3819 concerning sewer use fees is hereby amended as follows. Section 6.3 of Ordinance No. 3878 is hereby amended and replaced as follows. And, Ordinance 4868, is hereby amended by the addition of a new Section 6.3, as follows:

#### **6.3 Setting of Charges and Fees for Pretreatment Program**

The City of Granite City has, in the operation of its sewage treatment plant, been required to equip and operate an industrial pretreatment program and to have a program enforce all provisions of this ordinance.

The United States Government in 40 CFR 403.8(f)(3) requires the City of Granite City to maintain sufficient resources to carry out all inspection, surveillance and monitoring procedures necessary to determine compliance or noncompliance with applicable Pretreatment Standards and Requirements of the Industrial Pretreatment Program. It is therefore necessary under 40 CFR 403.8(f)(3) to collect administrative, operational and equipment costs from those Significant Industrial Users (SIU) who are located within the City and outside the City who by

contract or agreement with the City, use the City POTW. Significant Industrial Users are therefore required to promptly pay the following costs.

a) Administrative Costs. The administrative costs for operation of the industrial pretreatment program, including but not limited to billing, recording, filing, and reviewing lab reports shall be allocated on flow basis to all Significant Industrial Users. Said charge shall be **\$0.10** (ten cents) per 100 cu.ft. of discharged wastewater volumes.

b) Equipment Replacement Costs. The costs to purchase, maintain, and replace a vehicle and equipment for sewage sampling, monitoring and surveillance for the pretreatment program shall be allocated on flow basis to all Significant Industrial Users. Each Significant Industrial User is hereby obligated to pay an equipment replacement charge. Said equipment replacement charge shall be **\$0.01** (one cent) per 100 cu.ft. of discharged wastewater volumes.

c) Sampling and Site Inspection Costs. The City of Granite City is required by this ordinance and federal law to sample and analyze the wastewater of all Significant Industrial Users. The cost for site inspection, surveillance, and monitoring shall be allocated on the basis of analytical complexity, and follow-up site visit(s) for additional sampling, and site investigation for a violation of the pretreatment standards and requirements directly to each Significant Industrial User. Said charge shall be **\$120.00** (one hundred and twenty dollars) per sampling visit or follow-up visit for manpower, travel, and documentation. A Significant Industrial User in addition shall be responsible to pay all lab analysis fees of the samples.

d) Annual Inspection Costs. The City of Granite City is required by this ordinance and federal law to perform an annual inspection for a Significant Industrial User. The annual inspection includes a site walk-through to inspect the industrial wastewater creation of industrial processes, any industrial wastewater pretreatment facilities, discharge practices, and discharge locations. Said charge to a Significant Industrial User shall be **\$480.00** (four hundred and eighty dollars).

e) Compliance Study Costs. The City of Granite City is required by this ordinance and federal law to perform random compliance studies for each Significant Industrial User. The City of Granite City carries out the compliance studies to review and analyze inspection, surveillance and monitoring results, independent of information supplied by the Industrial User, to determine compliance or noncompliance with applicable Pretreatment Standards and Requirements of the Industrial User. The time used for a compliance study depends on the complexity of the wastewater discharge practices and violations of the Significant Industrial User. Said charge to a Significant Industrial User shall be **\$500.00** (five hundred dollars) per day incurred for a compliance study.

f) Permit Fee. The processing fee for wastewater discharge permits from Significant Industrial Users shall be **\$400.00** (four hundred dollars), payable at the time of a permit application.

- g) The adequacy of the pretreatment program funding shall be reviewed annually. The pretreatment program charges shall be revised periodically to reflect a change in inspection, surveillance and monitoring costs of the City of Granite City pretreatment program.
- h) Significant Industrial Users shall be billed semi-annually for the charges stated above in this 6.3.

### SECTION 2 SEVERABILITY

If any provision, paragraph, word, section, or article of the Ordinance is invalidated by any court or competent jurisdiction, the remaining provisions, paragraphs, words, sections and chapters shall not be affected and shall continue in full force and effect.

### SECTION 3 CONFLICT

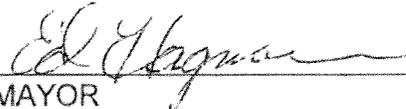
All other Ordinances and parts of other Ordinances inconsistent or conflicting with any part of this Ordinance are hereby repealed to the extent of such inconsistency or conflict.

### SECTION 4 EFFECTIVE DATE

This Ordinance shall be in full force and effect from and after its January 1, 2014, and may be published by the City Clerk in pamphlet form.

PASSED by the City Council of the City of Granite City, Illinois,  
this 17<sup>th</sup> day of December A. D., 2013.

APPROVED by the Mayor of the City of Granite City, Illinois,  
this 18<sup>th</sup> day of December A. D., 2013

  
MAYOR

ATTEST:

  
CITY CLERK  
79548

**APPENDIX H**

**BILLING INFORMATION**

(3 Industrial Users and Hospital)

<b>* AMSTED</b>	flow Cu.Ft.	BOD avg mg/l	TSS avg mg/l
May '08	676,430	N/A	N/A
Jun '08	550,304	N/A	N/A
Jul '08	634,994	N/A	N/A
Aug '08	1,150,113	N/A	N/A
Sep '08	478,963	N/A	N/A
Oct '08	411,732	N/A	N/A
Nov '08	333,427	N/A	N/A
Dec '08	285,402	N/A	N/A
Jan '09	270,902	N/A	N/A
Feb '09	220,849	N/A	N/A
Mar '09	314,057	N/A	N/A
Apr '09	391,135	N/A	N/A

Avg. 484,859

\* BOD and TSS are well below the allowable limit, monthly surcharge is not applied.

<b>KRAFT</b>	flow Cu.Ft.	BOD avg mg/l	TSS avg mg/l
May '08	932,369	4455	46
Jun '08	825,438	4420	30
Jul '08	852,953	4420	30
Aug '08	852,953	2860	14
Sep '08	825,438	3545	17
Oct '08	852,953	2955	53
Nov '08	605,303	4000	62
* Dec '08	852,953	6520	63
* Jan '09	852,953	7500	57
Feb '09	751,515	8220	34
Mar '09	757,847	6218	49
Apr '09	767,209	4780	36

Avg. 760,382 4,991 41

\*meter error - average flow applied

<b>Prairie Farms</b>	<u>BENTON STREET outfall</u>			<u>ADAMS STREET outfall</u>		
	flow Cu.Ft.	BOD avg mg/l	TSS avg mg/l	flow Cu.Ft.	BOD avg mg/l	TSS avg mg/l
May '08	293,200	2700	970	292,400	5719	619
Jun '08	330,000	3601	969	268,900	9247	791
Jul '08	328,400	3061	652	261,800	5411	541
Aug '08	339,100	3972	717	277,400	7557	797
Sep '08	328,200	1940	510	231,200	5586	625
Oct '08	256,000	2561	740	232,800	5306	844
Nov '08	306,000	3551	1042	261,800	5049	950
Dec '08	210,500	2692	731	230,500	5019	940
Jan '09	173,400	3524	978	187,900	7998	569
Feb '09	178,800	2994	834	197,200	5452	661
Mar '09	202,600	2851	592	237,100	6974	865
Apr '09	234,300	3684	664	239,300	6839	767

Avg 256,708 3,094 783      243,192 6,346 747

NOTE: x7.5 is conversion factor used for Cu.Ft. To gallons

Amsted.

Date	Packet	Type	Receipt #	Reference	Debits	Credits	Balance
02/28/2010	003546	Bill		8/02- 9/01 04/20			0.00
04/06/2010	003525	Payment	128158			5,080.27	0.00
02/28/2010	003501	Bill		7/03- 8/02 04/20	5,080.27		5,080.27
03/11/2010	003464	Payment	125617			10,268.29	0.00
03/02/2010	003434	Payment	124825			5,782.85	10,268.29
01/29/2010	003428	Bill		6/03- 7/03 03/20	5,782.85		16,051.14
02/02/2010	003352	Payment	123232			14,021.35	10,268.29
12/31/2009	003329	Bill		5/04- 6/03 04/01			24,289.64
12/31/2009	003326	Bill		4/04- 5/04 04/01	2,988.24		24,289.64
12/31/2009	003308	Bill		3/05- 4/04 02/20	4,971.98		21,301.40
11/30/2009	003271	Bill		2/03- 3/05 01/20	6,061.13		16,329.42
12/02/2009	003188	Payment	118866			9,465.46	10,268.29
10/30/2009	003163	Bill		1/04- 2/03 12/20	9,465.46		19,733.75
09/30/2009	003122	Bill		12/05- 1/04 09/30			10,268.29
09/30/2009	003091	Bill		11/05-12/05 09/30	10,268.29		10,268.29
09/25/2009	003020	Payment	115851			7,664.09	0.00
08/31/2009	002998	Bill		10/06-11/05 10/20	5,483.92		7,664.09
09/15/2009	002990	Payment	115011			2,990.69	2,180.17
09/10/2009	002980	Payment	114584			1,372.94	5,170.86
07/31/2009	002938	Bill		9/06-10/06 09/21	2,990.69		6,543.80
08/14/2009	002910	Payment	113204			6,455.87	3,553.11
08/12/2009	002897	Bill		8/07- 9/06 10/01	1,372.94		10,008.98
06/20/2009	002851	Bill		7/08- 8/07 08/20	6,455.87		8,636.04
07/10/2009	002816	Payment	111389	1000015583		5,983.29	2,180.17
05/20/2009	002807	Bill		6/08- 7/08 05/20			8,163.46
05/20/2009	002759	Bill		5/09- 6/08 05/20	5,983.29		8,163.46
06/10/2009	002728	Payment	109546	100014630		26,085.23	2,180.17
06/20/2009	002694	Bill		4/09- 5/09 06/20	7,480.46		28,265.40
03/31/2009	002622	Adjustment		APPLY CREDITS			20,784.94
03/31/2009	002622	Bill		3/10- 4/09 05/20	6,799.72		20,784.94
03/24/2009	002525	Adjustment		BILL ERROR		957.26	13,985.22
02/27/2009	002520	Bill		2/08- 3/10 04/20	8,318.42		14,942.48
01/30/2009	002468	Bill		1/09- 2/08 03/20			6,624.06
01/01/2009	002458	Adjustment		APPLY CREDITS			6,624.06
01/01/2009	002458	Bill		12/10- 1/09 03/02	5,181.00		6,624.06
02/04/2009	002392	Adjustment		TRAN FR 03-160030-00		1,847.53	1,443.06
07/01/2008	002373	Bill		11/10-12/10 04/01	2,180.17		3,290.59
11/30/2008	002372	Bill		10/11-11/10 01/20			1,110.42
11/30/2008	002339	Bill		9/11-10/11 01/20			1,110.42
10/30/2008	002270	Bill		8/12- 9/11 12/20			1,110.42
10/15/2008	002172	Bill		7/13- 8/12 10/20			1,110.42
10/09/2008	002098	Bill		6/13- 7/13 10/20			1,110.42
09/02/2008	002011	Payment	83056	100001630		1,192.00	1,110.42
10/30/2007	001982	Bill		5/14- 6/13 12/20			2,302.42
10/30/2007	001978	Bill		4/14- 5/14 12/20			2,302.42
10/30/2007	001977	Bill		3/15- 4/14 12/20			2,302.42
10/30/2007	001960	Bill		2/13- 3/15 12/20	2,302.42		2,302.42
10/30/2007	001956	Bill		1/14- 2/13 12/20			0.00
10/30/2007	001955	Bill		12/15- 1/14 12/20			0.00
10/30/2007	001953	Bill		11/15-12/15 12/20			0.00
10/30/2007	001867	Bill		10/16-11/15 12/20			0.00
10/30/2007	001800	Bill		9/16-10/16 12/20			0.00
10/30/2007	001767	Bill		8/17- 9/16 12/20			0.00
10/30/2007	001688	Bill		7/18- 8/17 12/20			0.00
10/30/2007	001647	Bill		6/18- 7/18 12/20			0.00
02/28/2008	001620	Payment	71121	474828		2,336.64	0.00
10/30/2007	001550	Bill		5/19- 6/18 12/20	2,336.64		2,336.64
10/30/2007	001537	Bill		4/19- 5/19 12/20			0.00
10/30/2007	001462	Bill		3/20- 4/19 12/20			0.00
10/30/2007	001418	Bill		2/19- 3/20 12/20			0.00
09/28/2007	001335	Bill		1/20- 2/19 11/20			0.00
08/23/2007	001280	Bill		12/21- 1/20 09/20			0.00

Flow 333,427  
Cu.Ft.

09/04/2007	001249	Payment	59498			1,599.85	0.00
08/23/2007	001222	Bill		11/21-12/21 09/20	1,599.85		1,599.85
06/29/2007	001158	Bill		10/22-11/21 08/20			0.00
06/29/2007	001113	Bill		9/22-10/22 07/23			0.00
06/01/2007	001028	Bill		8/23- 9/22 06/20			0.00
04/01/2007	000957	Bill		7/24- 8/23 04/23			0.00
04/01/2007	000912	Bill		6/24- 7/24 04/23			0.00
02/21/2007	000826	Payment	45913			4,189.44	0.00
03/01/2007	000823	Bill		5/25- 6/24 03/20			4,189.44
01/22/2007	000798	Bill		4/25- 5/25 01/22			4,189.44
01/22/2007	000777	Bill		3/26- 4/25 01/22	4,189.44		4,189.44
01/22/2007	000750	Bill		2/24- 3/26 01/22			0.00
11/28/2006	000697	Bill		1/25- 2/24 11/28			0.00
11/28/2006	000637	Bill		12/26- 1/25 11/28			0.00
10/20/2006	000544	Bill		11/26-12/26 10/20			0.00
01/09/2006	000506	Bill		10/27-11/26 01/09			0.00
01/09/2006	000451	Bill		9/27-10/27 01/09			0.00
08/28/2006	000429	Payment	32197			1,946.09	0.00
01/09/2006	000413	Bill		8/28- 9/27 01/09	1,946.09		1,946.09
01/09/2006	000383	Bill		7/29- 8/28 01/09			0.00
01/09/2006	000379	Bill		6/29- 7/29 01/09			0.00
01/09/2006	000241	Bill		5/30- 6/29 01/09			0.00
01/09/2006	000214	Bill		4/30- 5/30 01/09			0.00
01/09/2006	000201	Bill		3/31- 4/30 01/09			0.00
01/09/2006	000148	Bill		3/01- 3/31 01/09			0.00
01/09/2006	000100	Bill		1/30- 3/01 01/09			0.00
02/13/2006	000070	Payment	9543	448014		4,949.45	0.00
01/09/2006	000051	Bill		12/31- 1/30 01/09	4,949.45		4,949.45
01/09/2006	000028	Bill		12/01-12/31 01/09			0.00
10/12/2005	000001	Adjustment		CX: Adjustment		21.00	0.00
10/01/2005	000001	Bill		CX: Bill 10/01	21.00		21.00
08/08/2005	000001	Payment		CX: Payment		2,082.75	0.00
08/01/2005	000001	Adjustment		CX: Adjustment	2,082.75		2,082.75
02/07/2005	000001	Payment		CX: Payment		2,709.09	0.00
02/01/2005	000001	Adjustment		CX: Adjustment	2,709.09		2,709.09
08/17/2004	000001	Payment		CX: Payment		2,446.89	0.00
07/28/2004	000001	Adjustment		CX: Adjustment	2,446.89		2,446.89
03/02/2004	000001	Payment		CX: Payment		4,241.92	0.00
02/03/2004	000001	Adjustment		CX: Adjustment	4,241.92		4,241.92
08/27/2003	000001	Payment		CX: Payment		4,082.00	0.00
07/24/2003	000001	Adjustment		CX: Adjustment	4,082.00		4,082.00
02/03/2003	000001	Payment		CX: Payment		3,921.76	0.00
01/28/2003	000001	Adjustment		CX: Adjustment	3,921.76		3,921.76
09/03/2002	000001	Payment		CX: Payment		4,301.06	0.00
08/09/2002	000001	Adjustment		CX: Adjustment	4,301.06		4,301.06
02/22/2002	000001	Payment		CX: Payment		3,943.32	0.00
01/24/2002	000001	Adjustment		CX: Adjustment	3,943.32		3,943.32
08/29/2001	000001	Payment		CX: Payment		2,891.28	0.00
07/23/2001	000001	Adjustment		CX: Adjustment	2,891.28		2,891.28
02/26/2001	000001	Payment		CX: Payment		3,503.74	0.00
01/22/2001	000001	Adjustment		CX: Adjustment	3,503.74		3,503.74
08/01/2000	000001	Payment		CX: Payment		4,288.56	0.00
07/19/2000	000001	Adjustment		CX: Adjustment	4,288.56		4,288.56
04/12/2000	000001	Payment		CX: Payment		4,744.82	0.00
01/19/2000	000001	Adjustment		CX: Adjustment	4,744.82		4,744.82
08/16/1999	000001	Payment		CX: Payment		3,164.94	0.00
07/15/1999	000001	Adjustment		CX: Adjustment	3,164.94		3,164.94
02/10/1999	000001	Payment		CX: Payment		1,352.08	0.00
01/25/1999	000001	Adjustment		CX: Adjustment	1,352.08		1,352.08
08/26/1998	000001	Adjustment		CX: Adjustment		1,018.16	0.00
06/30/1998	000001	Adjustment		CX: Adjustment	1,018.16		1,018.16
02/25/1998	000001	Adjustment		CX: Adjustment		1,634.66	0.00
02/25/1998	000000	Adjustment		CX: Bal Forward	1,634.66		1,634.66

Kraft

Date	Packet	Type	Receipt #	Reference	Debits	Credits	Balance
02/28/2010	003546	Bill		8/02- 9/01 04/20			0.00
04/12/2010	003541	Payment	129905	05852482		76,069.24	0.00
02/28/2010	003509	Bill-Adjustme		7/03- 8/02 MANUAL	76,069.24		76,069.24
02/28/2010	003509	Bill-Reverse		7/03- 8/02 MANUAL		89,902.98	0.00
02/28/2010	003501	Bill-Void		7/03- 8/02	89,902.98		89,902.98
03/09/2010	003451	Payment	125454			38,704.18	0.00
01/29/2010	003428	Bill		6/03- 7/03 03/20	38,704.18		38,704.18
02/09/2010	003370	Payment	123633			2,880.31	0.00
02/01/2010	003347	Payment	123150			51,751.00	2,880.31
12/31/2009	003329	Bill		5/04- 6/03 04/01			54,631.31
12/31/2009	003326	Bill		4/04- 5/04 04/01	2,880.31		54,631.31
01/19/2010	003311	Payment	121944	5744877		27,047.43	51,751.00
12/31/2009	003308	Bill		3/05- 4/04 02/20	51,751.00		78,798.43
11/30/2009	003271	Bill		2/03- 3/05 01/20	27,047.43		27,047.43
11/30/2009	003185	Payment	118755	5687597		60,320.85	0.00
10/30/2009	003163	Bill		1/04- 2/03 12/20	60,320.85		60,320.85
11/05/2009	003129	Payment	117779	5659060		52,579.23	0.00
09/30/2009	003122	Bill		12/05- 1/04 09/30			52,579.23
09/30/2009	003091	Bill		11/05-12/05 09/30	52,579.23		52,579.23
09/29/2009	003029	Payment	116019			44,882.66	0.00
08/31/2009	002998	Bill		10/06-11/05 10/20	44,882.66		44,882.66
09/14/2009	002988	Payment	114882	5590947		48,117.26	0.00
07/31/2009	002938	Bill		9/06-10/06 09/21	48,117.26		48,117.26
08/24/2009	002931	Payment	113533	5567034		3,392.43	0.00
08/12/2009	002897	Bill		8/07- 9/06 10/01	3,392.43		3,392.43
08/03/2009	002871	Payment	112649	05540146		54,329.63	0.00
06/20/2009	002851	Bill		7/08- 8/07 08/20	54,329.63		54,329.63
05/20/2009	002807	Bill		6/08- 7/08 05/20			0.00
07/06/2009	002795	Payment	110908	5503417		43,043.70	0.00
05/20/2009	002759	Bill		5/09- 6/08 05/20	43,043.70		43,043.70
06/15/2009	002739	Payment	109766	5474874		45,443.37	0.00
06/20/2009	002694	Bill		4/09- 5/09 06/20	45,443.37		45,443.37
05/04/2009	002634	Payment	102903	16701384		54,432.08	0.00
03/31/2009	002622	Bill		3/10- 4/09 05/20	54,432.08		54,432.08
04/06/2009	002565	Payment	95837	16645990		68,801.13	0.00
02/27/2009	002520	Bill		2/08- 3/10 04/20	68,801.13		68,801.13
03/19/2009	002515	Payment	94875	5356740		76,434.41	0.00
01/30/2009	002468	Bill		1/09- 2/08 03/20	76,434.41		76,434.41
01/01/2009	002458	Bill		12/10- 1/09 03/02			0.00
02/09/2009	002410	Payment	92308			2,335.52	0.00
07/01/2008	002373	Bill		11/10-12/10 04/01	2,335.52		2,335.52
11/30/2008	002372	Bill		10/11-11/10 01/20			0.00
11/30/2008	002339	Bill		9/11-10/11 01/20			0.00
10/30/2008	002270	Bill		8/12- 9/11 12/20			0.00
10/15/2008	002172	Bill		7/13- 8/12 10/20			0.00
10/09/2008	002098	Bill		6/13- 7/13 10/20			0.00
10/30/2007	001982	Bill		5/14- 6/13 12/20			0.00
10/30/2007	001978	Bill		4/14- 5/14 12/20			0.00
10/30/2007	001977	Adjustment		APPLY CREDITS			0.00
10/30/2007	001977	Bill		3/15- 4/14 12/20			0.00
08/15/2008	001964	Payment	82259	05068535		3,013.05	0.00
10/30/2007	001960	Bill		2/13- 3/15 12/20	3,013.05		3,013.05
10/30/2007	001956	Bill		1/14- 2/13 12/20			0.00
10/30/2007	001955	Bill		12/15- 1/14 12/20			0.00
10/30/2007	001953	Bill		11/15-12/15 12/20			0.00
10/30/2007	001867	Bill		10/16-11/15 12/20			0.00
10/30/2007	001800	Bill		9/16-10/16 12/20			0.00
10/30/2007	001767	Bill		8/17- 9/16 12/20			0.00
10/30/2007	001688	Bill		7/18- 8/17 12/20			0.00
10/30/2007	001647	Bill		6/18- 7/18 12/20			0.00
02/11/2008	001574	Payment	70417	4798679		2,992.16	0.00
10/30/2007	001550	Bill		5/19- 6/18 12/20	2,992.16		2,992.16

10/30/2007	001537	Bill		4/19- 5/19 12/20			0.00
10/30/2007	001462	Bill		3/20- 4/19 12/20			0.00
10/30/2007	001418	Bill		2/19- 3/20 12/20			0.00
09/28/2007	001335	Bill		1/20- 2/19 11/20			0.00
08/23/2007	001280	Bill		12/21- 1/20 09/20			0.00
09/07/2007	001256	Payment	60181			3,271.35	0.00
08/23/2007	001222	Bill		11/21-12/21 09/20	3,271.35		3,271.35
06/29/2007	001158	Bill		10/22-11/21 08/20			0.00
06/29/2007	001113	Bill		9/22-10/22 07/23			0.00
06/01/2007	001028	Bill		8/23- 9/22 06/20			0.00
04/01/2007	000957	Bill		7/24- 8/23 04/23			0.00
04/05/2007	000927	Payment	49533			3,241.78	0.00
04/01/2007	000912	Bill		6/24- 7/24 04/23			3,241.78
03/01/2007	000823	Bill		5/25- 6/24 03/20			3,241.78
01/22/2007	000798	Bill		4/25- 5/25 01/22			3,241.78
01/22/2007	000777	Bill		3/26- 4/25 01/22	3,241.78		3,241.78
01/22/2007	000750	Bill		2/24- 3/26 01/22			0.00
11/28/2006	000697	Bill		1/25- 2/24 11/28			0.00
11/28/2006	000637	Bill		12/26- 1/25 11/28			0.00
10/20/2006	000544	Bill		11/26-12/26 10/20			0.00
01/09/2006	000506	Bill		10/27-11/26 01/09			0.00
01/09/2006	000451	Bill		9/27-10/27 01/09			0.00
08/28/2006	000429	Payment	32199			3,274.75	0.00
01/09/2006	000413	Bill		8/28- 9/27 01/09	3,274.75		3,274.75
01/09/2006	000383	Bill		7/29- 8/28 01/09			0.00
01/09/2006	000379	Bill		6/29- 7/29 01/09			0.00
01/09/2006	000241	Bill		5/30- 6/29 01/09			0.00
01/09/2006	000214	Bill		4/30- 5/30 01/09			0.00
01/09/2006	000201	Bill		3/31- 4/30 01/09			0.00
01/09/2006	000148	Bill		3/01- 3/31 01/09			0.00
01/09/2006	000100	Bill		1/30- 3/01 01/09			0.00
02/07/2006	000065	Payment	8926			3,545.71	0.00
01/09/2006	000051	Bill		12/31- 1/30 01/09	3,545.71		3,545.71
01/09/2006	000028	Bill		12/01-12/31 01/09			0.00
10/12/2005	000001	Adjustment		CX: Adjustment		21.00	0.00
10/01/2005	000001	Bill		CX: Bill 10/01	21.00		21.00
08/18/2005	000001	Payment		CX: Payment		4,449.52	0.00
08/08/2005	000001	Payment		CX: Payment		3,756.97	4,449.52
08/01/2005	000001	Adjustment		CX: Adjustment	3,756.97		8,206.49
02/07/2005	000001	Payment		CX: Payment		3,048.82	4,449.52
02/01/2005	000001	Adjustment		CX: Adjustment	3,048.82		7,498.34
08/09/2004	000001	Payment		CX: Payment		3,528.39	4,449.52
07/28/2004	000001	Adjustment		CX: Adjustment	3,528.39		7,977.91
02/09/2004	000001	Payment		CX: Payment		2,946.19	4,449.52
02/03/2004	000001	Adjustment		CX: Adjustment	2,946.19		7,395.71
07/24/2003	000001	Adjustment		CX: Adjustment	4,449.52		4,449.52
02/10/2003	000001	Payment		CX: Payment		7,258.42	0.00
01/28/2003	000001	Adjustment		CX: Adjustment		563.71	7,258.42
01/28/2003	000001	Adjustment		CX: Adjustment	4,231.93		7,822.13
08/09/2002	000001	Adjustment		CX: Adjustment	4,302.33		3,590.20
08/05/2002	000001	Payment		CX: Payment		4,231.93	712.13CR
01/24/2002	000001	Adjustment		CX: Adjustment	3,519.80		3,519.80
07/30/2001	000001	Payment		CX: Payment		3,646.53	0.00
07/23/2001	000001	Adjustment		CX: Adjustment	3,646.53		3,646.53
02/06/2001	000001	Payment		CX: Payment		3,823.98	0.00
01/22/2001	000001	Adjustment		CX: Adjustment	3,823.98		3,823.98
09/18/2000	000001	Payment		CX: Payment		3,849.38	0.00
09/08/2000	000001	Adjustment		CX: Adjustment	3,849.38		3,849.38
01/27/2000	000001	Payment		CX: Payment		2,229.04	0.00
01/19/2000	000001	Adjustment		CX: Adjustment	2,229.04		2,229.04
07/26/1999	000001	Payment		CX: Payment		3,013.61	0.00
07/15/1999	000001	Adjustment		CX: Adjustment	3,013.61		3,013.61
02/19/1999	000001	Payment		CX: Payment		2,402.66	0.00

01/25/1999	000001	Adjustment		CX: Adjustment	2,402.66		2,402.66
08/06/1998	000001	Adjustment		CX: Adjustment		1,815.55	0.00
06/30/1998	000001	Adjustment		CX: Adjustment	1,815.55		1,815.55
02/09/1998	000001	Adjustment		CX: Adjustment		1,451.61	0.00
02/09/1998	000000	Adjustment		CX: Bal Forward	1,451.61		1,451.61

# Prairie Farms

Date	Packet	Type	Receipt #	Reference	Debits	Credits	Balance
04/19/2010	003564	Payment	131578	1215573		26,793.03	0.00
02/28/2010	003546	Bill		8/02- 9/01 04/20			26,793.03
02/28/2010	003501	Bill		7/03- 8/02 04/20	26,793.03		26,793.03
03/22/2010	003487	Payment	126410	1211512		3,035.80	0.00
03/17/2010	003479	Payment	126040	1210544		14,544.79	3,035.80
01/29/2010	003428	Bill		6/03- 7/03 03/20	14,544.79		17,580.59
02/17/2010	003391	Payment	124032	1205771		18,849.63	3,035.80
12/31/2009	003329	Bill		5/04- 6/03 04/01			21,885.43
12/31/2009	003326	Bill		4/04- 5/04 04/01	3,035.80		21,885.43
01/19/2010	003311	Payment	121945	1201538		21,220.45	18,849.63
12/31/2009	003308	Bill		3/05- 4/04 02/20	18,849.63		40,070.08
11/30/2009	003271	Bill		2/03- 3/05 01/20	21,220.45		21,220.45
12/17/2009	003234	Payment	119899	1196944		26,947.36	0.00
10/30/2009	003163	Bill		1/04- 2/03 12/20	26,947.36		26,947.36
11/18/2009	003160	Payment	118326	1192615		24,746.35	0.00
09/30/2009	003122	Bill		12/05- 1/04 09/30			24,746.35
09/30/2009	003091	Bill		11/05-12/05 09/30	24,746.35		24,746.35
10/19/2009	003079	Payment	116921	1188179		34,273.25	0.00
09/24/2009	003017	Payment	115752			2,601.38	34,273.25
08/31/2009	002998	Bill		10/06-11/05 10/20	34,273.25		36,874.63
09/14/2009	002988	Payment	114880	1182543		41,588.59	2,601.38
07/31/2009	002938	Bill		9/06-10/06 09/21	41,588.59		44,189.97
08/14/2009	002910	Payment	113226	1177957		48,655.18	2,601.38
08/12/2009	002897	Bill		8/07- 9/06 10/01	2,601.38		51,256.56
06/20/2009	002851	Bill		7/08- 8/07 08/20	48,655.18		48,655.18
07/14/2009	002819	Payment	111569	1172965		40,832.89	0.00
05/20/2009	002807	Bill		6/08- 7/08 05/20			40,832.89
07/09/2009	002803	Adjustment		BILL DEC 08 POST ER	25,197.07		40,832.89
05/20/2009	002759	Adjustment		APPLY CREDITS			15,635.82
05/20/2009	002759	Bill		5/09- 6/08 05/20	40,832.89		15,635.82
06/17/2009	002746	Payment	109986	1168801		32,189.20	25,197.07CR
06/20/2009	002694	Adjustment		APPLY CREDITS			6,992.13
06/20/2009	002694	Bill		4/09- 5/09 06/20	32,189.20		6,992.13
05/13/2009	002662	Payment	105573	1163673		29,195.56	25,197.07CR
03/31/2009	002622	Adjustment		APPLY CREDITS			3,998.49
03/31/2009	002622	Bill		3/10- 4/09 05/20	29,195.56		3,998.49
04/16/2009	002593	Payment	97018	1159472		22,375.44	25,197.07CR
02/27/2009	002520	Adjustment		APPLY CREDITS			2,821.63CR
02/27/2009	002520	Bill		2/08- 3/10 04/20	22,375.44		2,821.63CR
03/17/2009	002508	Payment	94703	1155260		26,535.17	25,197.07CR
01/30/2009	002468	Adjustment		APPLY CREDITS			1,338.10
01/30/2009	002468	Bill		1/09- 2/08 03/20	26,535.17		1,338.10
01/01/2009	002458	Bill		12/10- 1/09 03/02			25,197.07CR
02/23/2009	002442	Payment	92908	1150522		25,197.07	25,197.07CR
02/13/2009	002422	Payment	92544	1150022		2,853.48	0.00
07/01/2008	002373	Bill		11/10-12/10 04/01	2,853.48		2,853.48
11/30/2008	002372	Bill		10/11-11/10 01/20			0.00
11/30/2008	002339	Bill		9/11-10/11 01/20			0.00
10/30/2008	002270	Bill		8/12- 9/11 12/20			0.00
10/15/2008	002172	Bill		7/13- 8/12 10/20			0.00
10/09/2008	002098	Bill		6/13- 7/13 10/20			0.00
09/22/2008	002057	Payment	84529			1,850.46	0.00
10/30/2007	001982	Bill		5/14- 6/13 12/20			1,850.46
10/30/2007	001978	Bill		4/14- 5/14 12/20			1,850.46
10/30/2007	001977	Bill		3/15- 4/14 12/20			1,850.46
10/30/2007	001960	Bill		2/13- 3/15 12/20	1,850.46		1,850.46
10/30/2007	001956	Bill		1/14- 2/13 12/20			0.00
10/30/2007	001955	Bill		12/15- 1/14 12/20			0.00
10/30/2007	001953	Bill		11/15-12/15 12/20			0.00
10/30/2007	001867	Bill		10/16-11/15 12/20			0.00
10/30/2007	001800	Bill		9/16-10/16 12/20			0.00
10/30/2007	001767	Bill		8/17- 9/16 12/20			0.00

10/30/2007	001688	Bill		7/18- 8/17 12/20			0.00
03/25/2008	001667	Payment	73140			3,300.12	0.00
10/30/2007	001647	Bill		6/18- 7/18 12/20			3,300.12
10/30/2007	001550	Bill		5/19- 6/18 12/20	3,300.12		3,300.12
10/30/2007	001537	Bill		4/19- 5/19 12/20			0.00
10/30/2007	001462	Bill		3/20- 4/19 12/20			0.00
10/30/2007	001418	Bill		2/19- 3/20 12/20			0.00
09/28/2007	001335	Bill		1/20- 2/19 11/20			0.00
09/27/2007	001302	Payment	62108			3,330.52	0.00
08/23/2007	001280	Bill		12/21- 1/20 09/20			3,330.52
08/23/2007	001222	Bill		11/21-12/21 09/20	3,330.52		3,330.52
06/29/2007	001158	Bill		10/22-11/21 08/20			0.00
06/29/2007	001113	Bill		9/22-10/22 07/23			0.00
06/01/2007	001028	Bill		8/23- 9/22 06/20			0.00
04/01/2007	000957	Bill		7/24- 8/23 04/23			0.00
03/28/2007	000914	Payment	49218			4,291.28	0.00
04/01/2007	000912	Bill		6/24- 7/24 04/23			4,291.28
03/01/2007	000823	Bill		5/25- 6/24 03/20			4,291.28
01/22/2007	000798	Bill		4/25- 5/25 01/22			4,291.28
01/22/2007	000777	Bill		3/26- 4/25 01/22	4,291.28		4,291.28
01/22/2007	000750	Bill		2/24- 3/26 01/22			0.00
11/28/2006	000697	Bill		1/25- 2/24 11/28			0.00
11/28/2006	000637	Bill		12/26- 1/25 11/28			0.00
10/20/2006	000544	Bill		11/26-12/26 10/20			0.00
01/09/2006	000506	Bill		10/27-11/26 01/09			0.00
09/27/2006	000499	Payment	35402			2,416.74	0.00
01/09/2006	000451	Bill		9/27-10/27 01/09			2,416.74
01/09/2006	000413	Bill		8/28- 9/27 01/09	2,416.74		2,416.74
01/09/2006	000383	Bill		7/29- 8/28 01/09			0.00
01/09/2006	000379	Bill		6/29- 7/29 01/09			0.00
01/09/2006	000241	Bill		5/30- 6/29 01/09			0.00
01/09/2006	000214	Bill		4/30- 5/30 01/09			0.00
01/09/2006	000201	Bill		3/31- 4/30 01/09			0.00
01/09/2006	000148	Bill		3/01- 3/31 01/09			0.00
01/09/2006	000100	Bill		1/30- 3/01 01/09			0.00
02/17/2006	000076	Payment	10034	993373		3,586.25	0.00
01/09/2006	000051	Bill		12/31- 1/30 01/09	3,586.25		3,586.25
01/09/2006	000028	Bill		12/01-12/31 01/09			0.00
10/12/2005	000001	Adjustment		CX: Adjustment		21.00	0.00
10/01/2005	000001	Bill		CX: Bill 10/01	21.00		21.00
08/30/2005	000001	Payment		CX: Payment		3,410.93	0.00
08/01/2005	000001	Adjustment		CX: Adjustment	3,410.93		3,410.93
02/23/2005	000001	Payment		CX: Payment		3,798.07	0.00
02/01/2005	000001	Adjustment		CX: Adjustment	3,798.07		3,798.07
08/30/2004	000001	Payment		CX: Payment		2,847.64	0.00
07/28/2004	000001	Adjustment		CX: Adjustment	2,847.64		2,847.64
02/25/2004	000001	Payment		CX: Payment		2,053.72	0.00
02/03/2004	000001	Adjustment		CX: Adjustment	2,053.72		2,053.72
08/28/2003	000001	Payment		CX: Payment		3,939.80	0.00
07/24/2003	000001	Adjustment		CX: Adjustment	3,939.80		3,939.80
02/24/2003	000001	Payment		CX: Payment		2,199.19	0.00
01/28/2003	000001	Adjustment		CX: Adjustment	2,199.19		2,199.19
09/11/2002	000001	Payment		CX: Payment		2,172.61	0.00
08/12/2002	000001	Adjustment		CX: Adjustment	2,172.61		2,172.61
02/26/2002	000001	Payment		CX: Payment		1,695.11	0.00
01/24/2002	000001	Adjustment		CX: Adjustment	1,694.11		1,695.11
08/27/2001	000001	Payment		CX: Payment		3,653.85	1.00
07/23/2001	000001	Adjustment		CX: Adjustment	3,653.35		3,654.85
07/23/2001	000001	Adjustment		CX: Adjustment	3,653.85		7,308.20
07/23/2001	000001	Adjustment		CX: Adjustment	3,653.85		3,654.35
02/23/2001	000001	Payment		CX: Payment		5,301.70	0.50
01/22/2001	000001	Adjustment		CX: Adjustment	5,301.70		5,302.20
08/25/2000	000001	Payment		CX: Payment		2,473.25	0.50

07/19/2000	000001	Adjustment		CX: Adjustment	2,473.75		2,473.75
02/25/2000	000001	Payment		CX: Payment		1,703.24	0.00
01/19/2000	000001	Adjustment		CX: Adjustment	1,703.24		1,703.24
08/04/1999	000001	Payment		CX: Payment		3,259.11	0.00
07/15/1999	000001	Adjustment		CX: Adjustment	3,259.11		3,259.11
02/24/1999	000001	Payment		CX: Payment		1,818.86	0.00
01/25/1999	000001	Adjustment		CX: Adjustment	1,818.86		1,818.86
08/28/1998	000001	Adjustment		CX: Adjustment		1,682.32	0.00
06/30/1998	000001	Adjustment		CX: Adjustment	1,682.32		1,682.32
02/25/1998	000001	Adjustment		CX: Adjustment		1,821.61	0.00
02/25/1998	000000	Adjustment		CX: Bal Forward	1,821.61		1,821.61

# Hospital water Consumption

Month	Date	Read		Total Consumption	Demand		Reading		Occupant
		Previous	Current		Read	Consumption	Flag	Source	
Year : 2010 Total 3									
Mar	03/10/2010	8131	10077	1946			Regular	Meter Reading Input	00
Feb	02/08/2010	6420	8131	1711			Regular	Meter Reading Input	00
Jan	01/09/2010	4504	6420	1916			Regular	Meter Reading Input	00
Year : 2009 Total 12									
Dec	12/10/2009	2825	4504	1679			Regular	Meter Reading Input	00
Nov	11/10/2009	958	2825	1867			Regular	Meter Reading Input	00
Oct	10/11/2009	4385	5753	1368			Regular	Meter Reading Input	00
Sep	09/11/2009	8921	9260	339			Regular	Meter Reading Input	00
Aug	08/12/2009	8425	8921	496			Regular	Meter Reading Input	00
Jul	07/13/2009	7959	8425	466			Regular	Meter Reading Input	00
Jun	06/13/2009	7556	7959	403			Regular	Meter Reading Input	00
May	05/14/2009	7189	7556	367			Regular	Meter Reading Input	00
Apr	04/14/2009	6928	7189	261			Regular	Meter Reading Input	00
Mar	03/15/2009	6687	6928	241			Regular	Meter Reading Input	00
Feb	02/13/2009	6445	6687	242			Regular	Meter Reading Input	00
Jan	01/14/2009	6200	6445	245			Regular	Meter Reading Input	00
Year : 2008 Total 9									
Dec	12/15/2008	5975	6200	225			Regular	Meter Reading Input	00
Nov	11/15/2008	5674	5975	301			Regular	Meter Reading Input	00
Oct	10/16/2008	5360	5674	314			Regular	Meter Reading Input	00
Sep	09/16/2008	4889	5360	471			Regular	Meter Reading Input	00
Aug	08/17/2008	4275	4889	614			Regular	Meter Reading Input	00
Jul	07/18/2008	3740	3740	0			Regular	Meter Reading Input	00
Jun	06/18/2008	3740	3740	0			Regular	Meter Reading Input	00
May	05/19/2008	3672	3740	68			Regular	Meter Reading Input	00
Apr	04/19/2008	3353	3672	319			Regular	Meter Reading Input	00
				Avg 661					

# Hospital Billing

Date	Packet	Type	Receipt #	Reference	Debits	Credits	Balance
04/13/2010	003538	Bill		2/08- 3/10 05/04	4,247.88		4,247.88
03/29/2010	003505	Payment	126947			3,434.26	0.00
03/12/2010	003458	Bill		1/09- 2/08 04/02	3,434.26		3,434.26
03/01/2010	003431	Payment	124610			3,919.40	0.00
02/24/2010	003414	Adjustment		Penalty Reversal		78.39	3,919.40
02/23/2010	003407	Late Charge			78.39		3,997.79
02/15/2010	003380	Bill		12/10- 1/09 03/08	3,919.40		3,919.40
02/02/2010	003352	Payment	123266			3,420.89	0.00
01/15/2010	003301	Bill		11/10-12/10 02/05	3,420.89		3,420.89
01/06/2010	003282	Payment	121140			4,425.51	0.00
12/09/2009	003205	Bill		10/11-11/10 01/07	4,425.51		4,425.51
12/02/2009	003191	Payment	118927			3,449.54	0.00
11/13/2009	003141	Bill		9/11-10/11 12/04	3,449.54		3,449.54
10/27/2009	003106	Payment	117231			6,698.41	0.00
10/13/2009	003060	Bill		8/12- 9/11 11/03	6,698.41		6,698.41
09/21/2009	003005	Payment	115401	371254		8,679.08	0.00
09/10/2009	002972	Bill		7/13- 8/12 10/01	8,679.08		8,679.08
08/31/2009	002951	Payment	113883	370679		8,190.12	0.00
08/14/2009	002901	Bill		6/13- 7/13 09/04	8,190.12		8,190.12
07/31/2009	002869	Payment	112562	370012		7,267.59	0.00
07/16/2009	002824	Bill		5/14- 6/13 08/06	7,267.59		7,267.59
07/10/2009	002816	Payment	111430			6,715.60	0.00
06/19/2009	002749	Bill		4/14- 5/14 07/13	6,715.60		6,715.60
05/29/2009	002703	Payment	107837			5,254.45	0.00
05/19/2009	002674	Bill		3/15- 4/14 06/09	5,254.45		5,254.45
04/24/2009	002613	Payment	100121			4,799.87	0.00
04/13/2009	002579	Bill		2/13- 3/15 05/04	4,799.87		4,799.87
04/07/2009	002568	Payment	95936	366921		4,895.37	0.00
03/18/2009	002504	Bill		1/14- 2/13 04/08	4,895.37		4,895.37
03/04/2009	002472	Payment	93615	366125		5,489.38	0.00
02/16/2009	002426	Bill		12/15- 1/14 03/09	5,489.38		5,489.38
01/26/2009	002381	Payment	91577			4,752.12	0.00
01/14/2009	002335	Bill		11/15-12/15 02/04	4,752.12		4,752.12
12/29/2008	002308	Payment	89272			5,940.14	0.00
12/11/2008	002259	Bill		10/16-11/15 01/01	5,940.14		5,940.14
12/02/2008	002239	Payment	87918			6,188.44	0.00
11/13/2008	002192	Bill		9/16-10/16 12/03	6,188.44		6,188.44
10/31/2008	002162	Payment	86246			8,440.33	0.00
10/16/2008	002117	Bill		8/17- 9/16 11/06	8,440.33		8,440.33
10/06/2008	002093	Payment	85271			9,890.02	0.00
09/18/2008	002045	Bill		7/18- 8/17 10/09	9,890.02		9,890.02
09/05/2008	002019	Payment	83380	361800		7,964.78	0.00
08/20/2008	001971	Bill		6/18- 7/18 09/09	7,964.78		7,964.78
08/05/2008	001934	Payment	81832	360850		8,484.30	0.00
07/11/2008	001884	Bill		5/19- 6/18 08/01	8,484.30		8,484.30
06/20/2008	001842	Payment	78520			6,921.88	0.00
04/29/2008	001813	Bill		4/19- 5/19 06/26	6,921.88		6,921.88
05/16/2008	001780	Payment	76515	358721		6,188.44	0.00
04/29/2008	001737	Bill		3/20- 4/19 05/21	6,188.44		6,188.44
04/11/2008	001707	Payment	74080	357642		5,890.48	0.00
03/30/2007	001674	Bill		2/19- 3/20 04/21	5,890.48		5,890.48
03/17/2008	001656	Payment	72624			6,442.47	0.00
02/28/2007	001621	Bill		1/20- 2/19 03/21	6,442.47		6,442.47
02/19/2008	001589	Payment		LOCK BOX PAYMENT		6,041.37	0.00
01/30/2007	001545	Bill		12/21- 1/20 02/21	6,041.37		6,041.37
01/14/2008	001508	Payment		LOCK BOX PAYMENT		7,540.76	0.00
12/31/2007	001474	Bill		11/21-12/21 01/21	7,540.76		7,540.76
12/17/2007	001455	Payment		LOCK BOX PAYMENT		8,106.12	0.00
11/01/2007	001424	Bill		10/22-11/21 12/21	8,106.12		8,106.12
11/16/2007	001405	Payment		LOCK BOX PAYMENT		9,506.11	0.00
11/01/2007	001358	Bill		9/22-10/22 11/21	9,506.11		9,506.11
10/15/2007	001328	Payment		LOCK BOX PAYMENT		9,506.11	0.00

10/01/2007	001294	Bill		8/23- 9/22 10/22	9,506.11		9,506.11
09/17/2007	001269	Payment		LOCK BOX PAYMENT		10,296.85	0.00
08/31/2007	001227	Bill		7/24- 8/23 09/21	10,296.85		10,296.85
08/27/2007	001226	Payment		LOCK BOX PAYMENT		8,755.25	0.00
08/22/2007	001216	Late Charge			171.67		8,755.25
07/30/2007	001169	Bill		6/24- 7/24 08/21	8,583.58		8,583.58
07/16/2007	001134	Payment		LOCK BOX PAYMENT		7,689.70	0.00
07/02/2007	001097	Bill		5/25- 6/24 07/02	7,689.70		7,689.70
06/18/2007	001082	Payment		LOCK BOX PAYMENT		7,689.70	0.00
06/01/2007	001046	Bill		4/25- 5/25 06/21	7,689.70		7,689.70
05/14/2007	001009	Payment		LOCK BOX PAYMENT		6,855.03	0.00
05/01/2007	000977	Bill		3/26- 4/25 05/21	6,855.03		6,855.03
04/16/2007	000944	Payment		LOCK BOX PAYMENT		5,980.25	0.00
04/01/2007	000907	Bill		2/24- 3/26 04/23	5,980.25		5,980.25
03/12/2007	000871	Payment		LOCK BOX PAYMENT		9,869.01	0.00
03/01/2007	000833	Bill		1/25- 2/24 03/21	9,869.01		9,869.01
02/20/2007	000818	Payment		LOCK BOX PAYMENT		10,060.01	0.00
02/01/2007	000773	Bill		12/26- 1/25 02/21	10,060.01		10,060.01
01/17/2007	000741	Payment		LOCK BOX PAYMENT		8,058.33	0.00
01/01/2007	000704	Bill		11/26-12/26 01/21	8,058.33		8,058.33
12/21/2006	000685	Payment		LOCK BOX PAYMENT		14,286.84	0.00
12/01/2006	000643	Bill		10/27-11/26 12/21	14,286.84		14,286.84
11/17/2006	000619	Payment		LOCK BOX PAYMENT		16,659.06	0.00
11/01/2006	000583	Bill		9/27-10/27 11/21	16,659.06		16,659.06
10/20/2006	000545	Payment		LOCK BOX PAYMENT		7,865.46	0.00
09/01/2006	000502	Bill		8/28- 9/27 09/21	7,865.46		7,865.46
09/13/2006	000468	Payment		LOCK BOX PAYMENT		1,403.89	0.00
09/01/2006	000441	Bill		7/29- 8/28 09/21	1,403.89		1,403.89
08/17/2006	000404	Payment		LOCK BOX PAYMENT		9,538.58	0.00
08/01/2006	000363	Bill		6/29- 7/29 08/21	9,538.58		9,538.58
07/20/2006	000352	Payment		LOCK BOX PAYMENT		9,538.58	0.00
07/01/2006	000316	Bill		5/30- 6/29 07/21	9,538.58		9,538.58
06/15/2006	000282	Payment		LOCK BOX PAYMENT		7,964.74	0.00
06/01/2006	000247	Bill		4/30- 5/30 06/21	7,964.74		7,964.74
05/22/2006	000234	Payment		LOCK BOX PAYMENT		8,306.82	0.00
05/01/2006	000194	Bill		3/31- 4/30 05/21	8,306.82		8,306.82
04/17/2006	000166	Payment		LOCK BOX PAYMENT		7,273.26	0.00
04/01/2006	000143	Bill		3/01- 3/31 04/21	7,273.26		7,273.26
03/15/2006	000119	Payment	15872			7,859.64	0.00
03/01/2006	000094	Bill		1/30- 3/01 03/21	7,859.64		7,859.64
02/17/2006	000076	Payment	10003			9,110.70	0.00
02/01/2006	000056	Bill		12/31- 1/30 02/21	9,110.70		9,110.70
01/23/2006	000043	Payment	6716			6,469.38	0.00
01/01/2006	000018	Bill		12/01-12/31 01/21	6,469.38		6,469.38
12/19/2005	000002	Payment	57			7,781.28	0.00
12/01/2005	000001	Bill		CX: Bill 12/01	7,781.28		7,781.28
11/17/2005	000001	Payment		CX: Payment		9,237.66	0.00
11/01/2005	000001	Bill		CX: Bill 11/01	9,237.66		9,237.66
10/20/2005	000001	Payment		CX: Payment		10,022.40	0.00
10/01/2005	000001	Bill		CX: Bill 10/01	10,022.40		10,022.40
09/14/2005	000001	Payment		CX: Payment		8,833.98	0.00
09/01/2005	000001	Bill		CX: Bill 09/01	8,833.98		8,833.98
08/16/2005	000001	Payment		CX: Payment		11,536.20	0.00
08/01/2005	000001	Bill		CX: Bill 08/01	11,536.20		11,536.20
07/13/2005	000001	Payment		CX: Payment		9,364.68	0.00
07/01/2005	000001	Bill		CX: Bill 07/01	9,364.68		9,364.68
06/15/2005	000001	Payment		CX: Payment		7,074.84	0.00
06/01/2005	000001	Bill		CX: Bill 06/01	7,074.84		7,074.84
05/17/2005	000001	Payment		CX: Payment		5,765.42	0.00
05/01/2005	000001	Bill		CX: Bill 05/01	5,765.42		5,765.42
04/19/2005	000001	Payment		CX: Payment		5,250.34	0.00
04/01/2005	000001	Bill		CX: Bill 04/01	5,250.34		5,250.34
03/14/2005	000001	Payment		CX: Payment		4,411.36	0.00

03/01/2005	000001	Bill		CX: Bill 03/01	4,411.36		4,411.36
02/14/2005	000001	Payment		CX: Payment		7,328.04	0.00
02/01/2005	000001	Bill		CX: Bill 02/01	7,328.04		7,328.04
01/17/2005	000001	Payment		CX: Payment		6,503.28	0.00
01/01/2005	000001	Bill		CX: Bill 01/01	6,503.28		6,503.28
12/14/2004	000001	Payment		CX: Payment		6,896.70	0.00
12/01/2004	000001	Bill		CX: Bill 12/01	6,896.70		6,896.70
11/16/2004	000001	Payment		CX: Payment		7,356.48	0.00
11/01/2004	000001	Bill		CX: Bill 11/01	7,356.48		7,356.48
10/18/2004	000001	Payment		CX: Payment		8,339.24	0.00
10/01/2004	000001	Bill		CX: Bill 10/01	8,339.24		8,339.24
09/14/2004	000001	Payment		CX: Payment		7,707.24	0.00
09/01/2004	000001	Bill		CX: Bill 09/01	7,707.24		7,707.24
08/20/2004	000001	Payment		CX: Payment		8,146.48	0.00
08/01/2004	000001	Bill		CX: Bill 08/01	8,146.48		8,146.48
07/21/2004	000001	Payment		CX: Payment		7,588.74	0.00
07/01/2004	000001	Bill		CX: Bill 07/01	7,588.74		7,588.74
06/14/2004	000001	Payment		CX: Payment		6,365.82	0.00
06/01/2004	000001	Bill		CX: Bill 06/01	6,365.82		6,365.82
05/24/2004	000001	Payment		CX: Payment		9,209.64	0.00
05/07/2004	000001	Bill		CX: Bill 05/07	9,209.64		9,209.64
02/26/2004	000001	Payment		CX: Payment		9,837.30	0.00
02/06/2004	000001	Bill		CX: Bill 02/06	9,837.30		9,837.30
11/19/2003	000001	Payment		CX: Payment		12,384.06	0.00
11/06/2003	000001	Bill		CX: Bill 11/06	12,384.06		12,384.06
08/26/2003	000001	Payment		CX: Payment		10,367.44	0.00
08/08/2003	000001	Bill		CX: Bill 08/08	10,367.44		10,367.44
05/28/2003	000001	Payment		CX: Payment		8,648.64	0.00
05/09/2003	000001	Bill		CX: Bill 05/09	8,648.64		8,648.64
02/26/2003	000001	Payment		CX: Payment		9,727.81	0.00
02/07/2003	000001	Bill		CX: Bill 02/07	9,683.52		9,727.81
02/03/2003	000001	Late Charge		CX: Late Charge	0.87		44.29
12/31/2002	000001	Late Charge		CX: Late Charge	0.85		43.42
12/16/2002	000001	Payment		CX: Payment		2,128.56	42.57
12/03/2002	000001	Late Charge		CX: Late Charge	42.57		2,171.13
11/07/2002	000001	Bill		CX: Bill 11/07	2,128.56		2,128.56
08/20/2002	000001	Payment		CX: Payment		1,971.61	0.00
08/08/2002	000001	Bill		CX: Bill 08/08	1,971.61		1,971.61
05/22/2002	000001	Payment		CX: Payment		7,572.97	0.00
05/13/2002	000001	Bill		CX: Bill 05/13	8,273.10		7,572.97
04/01/2002	000001	Adjustment		CX: Adjustment		863.74	700.13CR
03/27/2002	000001	Late Charge		CX: Late Charge	3.21		163.61
03/07/2002	000001	Payment		CX: Payment		8,020.32	160.40
03/06/2002	000001	Late Charge		CX: Late Charge	160.40		8,180.72
02/18/2002	000001	Adjustment		CX: Adjustment		3,156.35	8,020.32
02/07/2002	000001	Bill		CX: Bill 02/07	8,020.32		11,176.67
01/30/2002	000001	Late Charge		CX: Late Charge	61.89		3,156.35
12/28/2001	000001	Late Charge		CX: Late Charge	60.68		3,094.46
12/04/2001	000001	Late Charge		CX: Late Charge	59.49		3,033.78
11/26/2001	000001	Payment		CX: Payment		6,956.73	2,974.29
11/07/2001	000001	Bill		CX: Bill 11/07	9,931.02		9,931.02
08/27/2001	000001	Payment		CX: Payment		6,744.54	0.00
08/10/2001	000001	Bill		CX: Bill 08/10	6,744.54		6,744.54
06/06/2001	000001	Late Charge		CX: Late Charge	110.45		0.00
06/06/2001	000001	Adjustment		CX: Adjustment		110.45	110.45CR
05/31/2001	000001	Payment		CX: Payment		5,522.76	0.00
05/11/2001	000001	Adjustment		CX: Adjustment		0.21	5,522.76
05/10/2001	000001	Bill		CX: Bill 05/10	5,945.28		5,522.97
03/27/2001	000001	Adjustment		CX: Adjustment		143.26	422.31CR
03/02/2001	000001	Payment		CX: Payment		7,162.98	279.05CR
03/02/2001	000001	Adjustment		CX: Adjustment		58.69	6,883.93
03/02/2001	000001	Adjustment		CX: Adjustment		363.62	6,942.62
02/28/2001	000001	Late Charge		CX: Late Charge	143.26		7,306.24

02/07/2001	000001	Bill		CX: Bill 02/07	7,162.98		7,162.98
11/22/2000	000001	Payment		CX: Payment		9,028.14	0.00
11/08/2000	000001	Adjustment		CX: Adjustment		11,722.67	9,028.14
11/07/2000	000001	Bill		CX: Bill 11/07	9,028.14		20,750.81
11/07/2000	000001	Bill		CX: Bill 11/07	11,722.67		11,722.67
09/18/2000	000001	Payment		CX: Payment		8,016.30	0.00
09/08/2000	000001	Adjustment		CX: Adjustment		160.33	8,016.30
09/07/2000	000001	Adjustment		CX: Adjustment	8,016.30		8,176.63
09/05/2000	000001	Late Charge		CX: Late Charge	160.33		160.33
08/28/2000	000001	Payment		CX: Payment		1,840.62	0.00
08/11/2000	000001	Bill		CX: Bill 08/11	1,840.62		1,840.62
05/26/2000	000001	Payment		CX: Payment		7,837.50	0.00
05/11/2000	000001	Bill		CX: Bill 05/11	7,837.50		7,837.50
02/24/2000	000001	Payment		CX: Payment		7,465.92	0.00
02/09/2000	000001	Bill		CX: Bill 02/09	7,465.92		7,465.92
11/26/1999	000001	Payment		CX: Payment		12,112.74	0.00
11/10/1999	000001	Bill		CX: Bill 11/10	59,929.80		12,112.74
10/31/1999	000001	Adjustment		CX: Adjustment		47,817.06	47,817.06CR
08/25/1999	000001	Payment		CX: Payment		9,065.10	0.00
08/06/1999	000001	Bill		CX: Bill 08/06	9,065.10		9,065.10
05/26/1999	000001	Payment		CX: Payment		7,786.68	0.00
05/10/1999	000001	Bill		CX: Bill 05/10	7,786.68		7,786.68
03/26/1999	000001	Payment		CX: Payment		8,539.08	0.00
03/10/1999	000001	Bill		CX: Bill 03/10	8,539.08		8,539.08
12/29/1998	000001	Payment		CX: Payment		11,497.29	0.00
12/10/1998	000001	Bill		CX: Bill 12/10	11,497.29		11,497.29
09/22/1998	000001	Payment		CX: Payment		10,264.98	0.00
09/02/1998	000001	Bill		CX: Bill 09/02	10,264.98		10,264.98
07/02/1998	000001	Payment		CX: Payment		7,650.72	0.00
06/15/1998	000001	Bill		CX: Bill 06/15	7,650.72		7,650.72
04/15/1998	000001	Payment		CX: Payment		9,504.72	0.00
03/31/1998	000001	Bill		CX: Bill 03/31	9,504.72		9,504.72
01/13/1998	000001	Payment		CX: Payment		8,541.52	0.00
01/13/1998	000000	Adjustment		CX: Bal Forward	8,541.52		8,541.52