



COLUMBUS CITY UTILITIES

1111 McClure Road
P.O. Box 1987
Columbus, IN 47202-1987

Old Business #2

812-372-8861
812-376-2427 FAX
www.columbusutilities.org

May 7, 2014

To: Utilities Service Board

From: Dale Langferman

RE: Non-Recurring Charges

Attached is the list of fees and charges that we are asking you to approve. After last month's meeting I verified that we are covering our costs on all fee's except Out for Repair. The wastewater deposit is being increased to \$75.00 which more closely agrees with the ordinance that states that the deposit is to approximate two months of service. We have also added the cost information for a fire flow test and the associated \$70.00 fee.

Upon your approval we will work with Stan to make sure all other approvals are received. ie: City Council and/or IURC.

**Columbus City Utilities
Non Recurring Charges**

Deposits

	<u>Current</u>		<u>Proposed</u>	<u>Other Utilities Range</u>	
Water	30.00		30.00	-	420.00
Sewer	45.00		75.00	-	125.00

Meter Installations

	<u>Current Fee</u>	<u>Current Cost</u>	<u>Proposed Fee</u>		
Existing Pit	218.00	478.40	500.00	-	1,200.00
Double Pit	218.00	1,045.36	1,100.00		

Non recurring Charges

	<u>Current Fee</u>	<u>Current Cost</u>	<u>Proposed Fee</u>		
Non-Payment(Turnoff)	25.00	53.66	55.00	25.00	65.00
Out for Winter	10.00	53.66	55.00		
Out for Repair	10.00	53.66	20.00	10.00	40.00
Returned Check	20.00	36.51	40.00	10.00	32.50
After Hours	40.00	80.76	85.00	25.00	155.00
Tap Inspection - sewer	15.00	65.61	70.00	25.00	75.00
Fire Flow Test		68.72	70.00		
Plans	50.00		50.00		

Revenue Analysis

	<u>Annual Qty</u>	<u>Annual Cost</u>	<u>Current Annual Revenue</u>	<u>Proposed Annual Revenue</u>
Existing Pit	62	29,661.10	13,516.00	31,000.00
Double Pit	18	18,816.53	3,924.00	19,800.00
		<u>48,477.63</u>	<u>17,440.00</u>	<u>50,800.00</u>
Non-Payment(Turnoff)	2374	127,381.12	59,350.00	130,570.00
Out for Winter	190	10,194.78	1,900.00	10,450.00
Out for Repair	23	1,234.11	230.00	460.00
Returned Check	221	8,069.03	4,420.00	8,840.00
After Hours	196	15,828.32	7,840.00	16,660.00
Tap Inspection - sewer	200	13,122.06	3,000.00	14,000.00
Fire Flow Test	50	3,436.00	-	3,500.00
Plans		-	-	-
		<u>179,265.42</u>	<u>76,740.00</u>	<u>184,480.00</u>



COLUMBUS CITY UTILITIES

1111 McClure Road
P.O. Box 1987
Columbus, IN 47202-1987

Old Business #3

812-372-8861
812-376-2427 FAX
www.columbusutilities.org

May 9, 2014

To: Utility Service Board

From: Keith Reeves
Director

RE: Water Street WWTP Demolition
Change Order No. 1

We are ready to present Change Order No. 1 for the Board's consideration and approval. The change order represents three modifications to the original contract.

1. During the sewer installation phase of the work, excavation was hampered by construction debris that included very large pieces of buried concrete that required special handling. This material was not expected and was not described in the original bidding documents. We have agreed to compensate the contractor for lost production time due to this issue. Strand has reviewed the contractor's time sheets and has helped us come to agreement with the amount of compensation due. (Additional Cost \$8,803.56)
2. After the contract was awarded it was decided to permanently close the emergency overflow on the site to eliminate the needless reporting it generated and to eliminate the risk of river inflow during flood events. We had negotiated a not-to-exceed price of \$12,000 for this work with the contractor for this work and provided verbal authorization. When the final quantities were collected, the final numbers were a bit less. (Additional Cost \$9,798.88)
3. In addition the contractor has requested a time extension from May 23rd until July 7th for the substantial completion of the project due to the production time lost during the severe winter months. This will not change the final completion date of September 30, 2014.

Staff and Strand have been reviewed these three requests, and provided we receive a signed change order form by the Board meeting date, we recommend the Board's approval. This represents a 2.2% increase in the original contract price and is well within statutory limits.

May 1, 2014

CHANGE ORDER NO. 1

PROJECT: Water St. WWTP Demolition
OWNER: Columbus City Utilities
CONTRACT: 2-2013
CONTRACTOR: Denney Excavating, Inc.

Description of Change

1a	Sewer installation production loss.	ADD	\$ 8,803.56
1b	Maple Grove structure demolition.	ADD	\$ 9,798.88
TOTAL VALUE OF THIS CHANGE ORDER:			ADD \$18,602.44

Contract Price Adjustment

Original Contract Price	\$834,255.00
Previous Change Order Adjustments	\$ 0.00
Adjustment in Contract Price this Change Order	\$ 18,602.44
Current Contract Price including this Change Order	\$852,857.44

Contract Completion Date Adjustment

Original Contract Substantial Completion Date	May 23, 2014
Original Contract Final Completion Date	September 30, 2014
Substantial Completion Date Adjustments due to this Change Order	45 days
Final Completion Date Adjustments due to this Change Order	0 days
Current Substantial Completion Date including all Change Orders	July 7, 2014
Current Final Completion Dates including all Change Orders	September 30, 2014

This document shall become a supplement to the Contract and all provisions will apply hereto.

RECOMMENDED

ENGINEER—Strand Associates, Inc.[®] Date

APPROVED

CONTRACTOR—Denney Excavating, Inc. Date

APPROVED

OWNER—Columbus City Utilities Date



COLUMBUS CITY UTILITIES

1111 McClure Road
P.O. Box 1987
Columbus, IN 47202-1987

812-372-8861
812-376-2427 FAX
www.columbusutilities.org

New Business #1

May 8, 2014

To: Utility Service Board

From: Keith Reeves
Director

RE: Customer Requests

We have recently received two customer requests for credit considerations due to high bills. Both situations are fairly similar in that a water softener failed and was stuck in its recharge mode which ran up the customer's monthly bill.

Our policy is, in almost all cases, to charge for the water that passes through the meter regardless of any known or unknown leak. When customers call about a leak or high bill we often tell them that if they or their plumber can document that the leak was in a pipe or outside fixture such that the leaked water did not enter the sanitary sewer that we will credit the sewer portion of their bill back to their normal usage.

In cases like these, the water did go down the sewer and we do not automatically offer any credit, but we do say that if a customer wishes to write a letter we will present it to the Board for consideration. Both of these customers had high readings that were discovered by our staff during our normal billing review. Both had the readings field verified before billing, and both had a door tag placed on their door by our service man to inform them of the problem. We did all that we could, and should do when confronted with this issues.

But,

Both customers have good payment records and both have quickly resolved the problem that caused the higher than normal bill. While I cannot tell the Board that the CCU has any obligation to credit these two accounts, I believe that our customer relations would be well served to credit the sewer portion of these readings back to normal usage.

Consistent with when I have made these requests before, these customers should be aware that this is their "one time" and that future leaks and problems will be handled as per our normal policies.



COLUMBUS CITY UTILITIES

1111 McClure Road
P.O. Box 1987
Columbus, IN 47202-1987

New Business #2

812-372-8861
812-376-2427 FAX
www.columbusutilities.org

May 7, 2014

To: Utilities Service Board

From: Ed Bergsieker
Manager of Engineering

RE: Shoppes at Riverbend
Water and Sewer Extensions – Final Acceptance

The Engineering Department has observed the water and sewer facilities installed in conjunction with the above referenced development. We have provided on-site inspection during the construction process, obtained all necessary "as-built" information and conducted all necessary tests.

Staff has received the Tenders of Donation, the Record Drawings and Maintenance Bonds.

The project was constructed in compliance with plans and specifications prepared by Independent Land Surveying in Brownstown. The Owner/ Developer for this project is Cornerstone Development of Columbus.

Staff recommends acceptance of these improvements.

The project is located north of S.R. 46 and west of I 65.



FINANCE & BUSINESS REPORT
May 2014
Dale Langferman
Manager of Finance & Business Operations

Income and expenses continue to track fairly close to the annual plan as we complete the first four months of 2014. Income is within one percent of plan. The interesting variance in income is that even though water income is favorable wastewater income shows an unfavorable variance. I believe this is explained by the fact that we had numerous leaks due to the harsh winter where a customer paid for the water used, but not for the sewer because the leaked water did not go down the sewer.

Expenses are favorable in water and unfavorable in sewer. Both are the results of chemical usage and should average out as the year goes on. We are still hoping to see favorable wastewater expenses related to the biosolids disposal.

Cash balances in water continue to increase; which is better than expected. We hope this will continue.

As you review the information provided please let me know if you have any questions.

Cash Analysis 2014		
	Water	Sewer
Beginning Cash 1/1/14		
Oper	1,886,910.03	1,356,515.70
Deposits	106,751.58	180,184.12
Bond Reserve		3,800,000.00
B & I		4,079,110.67
Depreciation	2,149,459.25	8,913,442.97
Beg Balance	4,143,120.86	18,329,253.46
Income	1,197,349.62	2,874,631.18
Operating Expense	(846,840.48)	(1,056,025.06)
Capital Expenditures	(76,032.67)	(353,019.39)
Debt Payments		(4,813,149.52)
Other (Inc)/Exp	(12,019.61)	14,286.28
	4,405,577.72	14,995,976.95
Ending Cash 3/31/14		
Oper	1,977,578.63	1,490,506.11
Deposits	109,001.58	183,614.00
Bond Res	-	3,800,000.00
B & I	-	958,813.17
Depreciation	2,318,997.51	8,563,043.67
End Balance	4,405,577.72	14,995,976.95
Net Change in Cash	262,456.86	(3,333,276.51)

Figure 5a: Cash Analysis Table

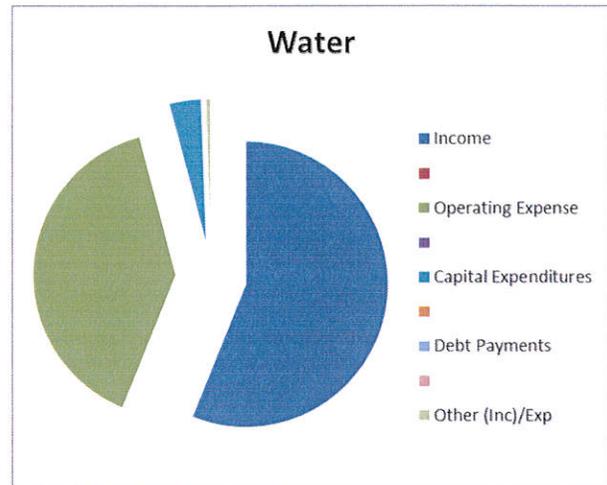


Figure 5b: Water Cash Chart

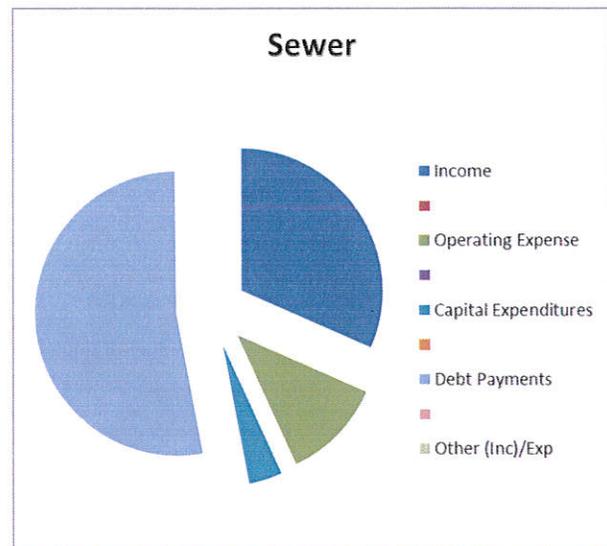


Figure 5c: Sewer Cash Chart

Water Income Comparison							
Y T D as of 4/30/14							
	2014 Plan	2013 Actual	2014 Actual	2013 Act. Vs 2014 Act. Diff	2014 Plan vs 2014 Actual Diff	Fav/(unfav)	
Residential	\$ 651,000	\$ 664,780	\$ 666,264	\$ 1,484	\$ 15,264	2.3%	
Industrial	\$ 210,000	\$ 206,812	\$ 214,449	\$ 7,637	\$ 4,449	2.1%	
Fire Prot.	\$ 217,200	\$ 215,514	\$ 236,532	\$ 21,018	\$ 19,332	8.9%	
Commercial	\$ 116,000	\$ 114,282	\$ 98,590	\$ (15,692)	\$ (17,410)	-15.0%	
Spec. Contr.	\$ 57,000	\$ 57,269	\$ 67,035	\$ 9,766	\$ 10,035	17.6%	
Other	\$ 137,961	\$ 139,947	\$ 115,818	\$ (24,129)	\$ (22,143)	-16.1%	
Total	\$ 1,389,161	\$ 1,398,604	\$ 1,398,688	\$ 84	\$ 9,527	0.7%	

Figure 1a: Water Income Table

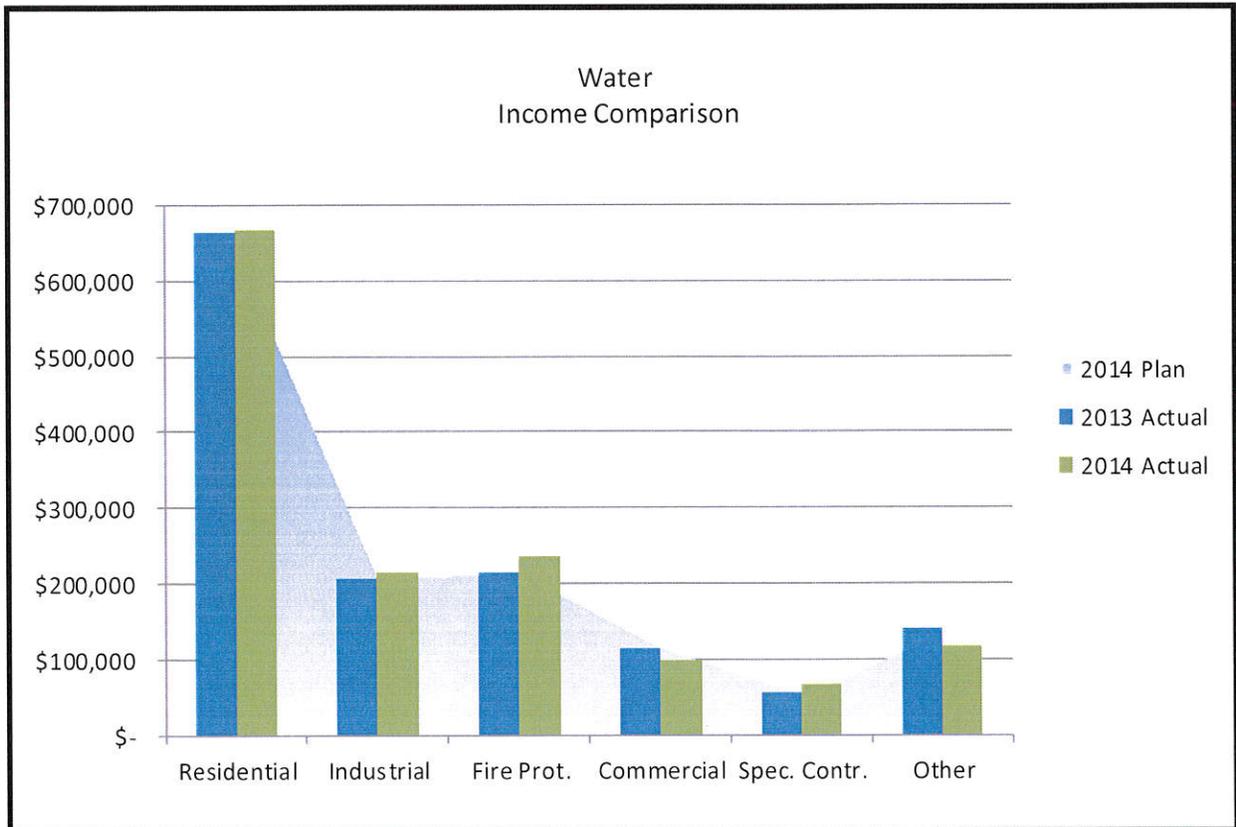


Figure 1b: Water Income Chart

Wastewater Income Comparison							
Y T D as of 4/30/14							
	2014 Plan	2013 Actual	2014 Actual	2013 Act. Vs	2014 Plan vs		Fav/(unfav)
				2014 Act.	Diff	2014 Actual	
					Diff		
Residential	\$ 2,225,000	\$ 2,254,125	\$ 2,198,255	\$ (55,870)	\$ (26,745)		-1.2%
Industrial	\$ 696,912	\$ 783,911	\$ 716,972	\$ (66,939)	\$ 20,060		2.9%
Fire Prot.	\$ -	\$ -	\$ -	\$ -	\$ -		
Commercial	\$ 395,000	\$ 396,330	\$ 392,380	\$ (3,950)	\$ (2,620)		-0.7%
Spec. Contr.	\$ 193,000	\$ 188,068	\$ 168,126	\$ (19,942)	\$ (24,874)		-12.9%
Other	\$ 163,080	\$ 170,525	\$ 164,534	\$ (5,991)	\$ 1,454		0.9%
Total	\$ 3,672,992	\$ 3,792,959	\$ 3,640,267	\$ (152,692)	\$ (32,725)		-0.9%

Figure 2a: Wastewater Income Table

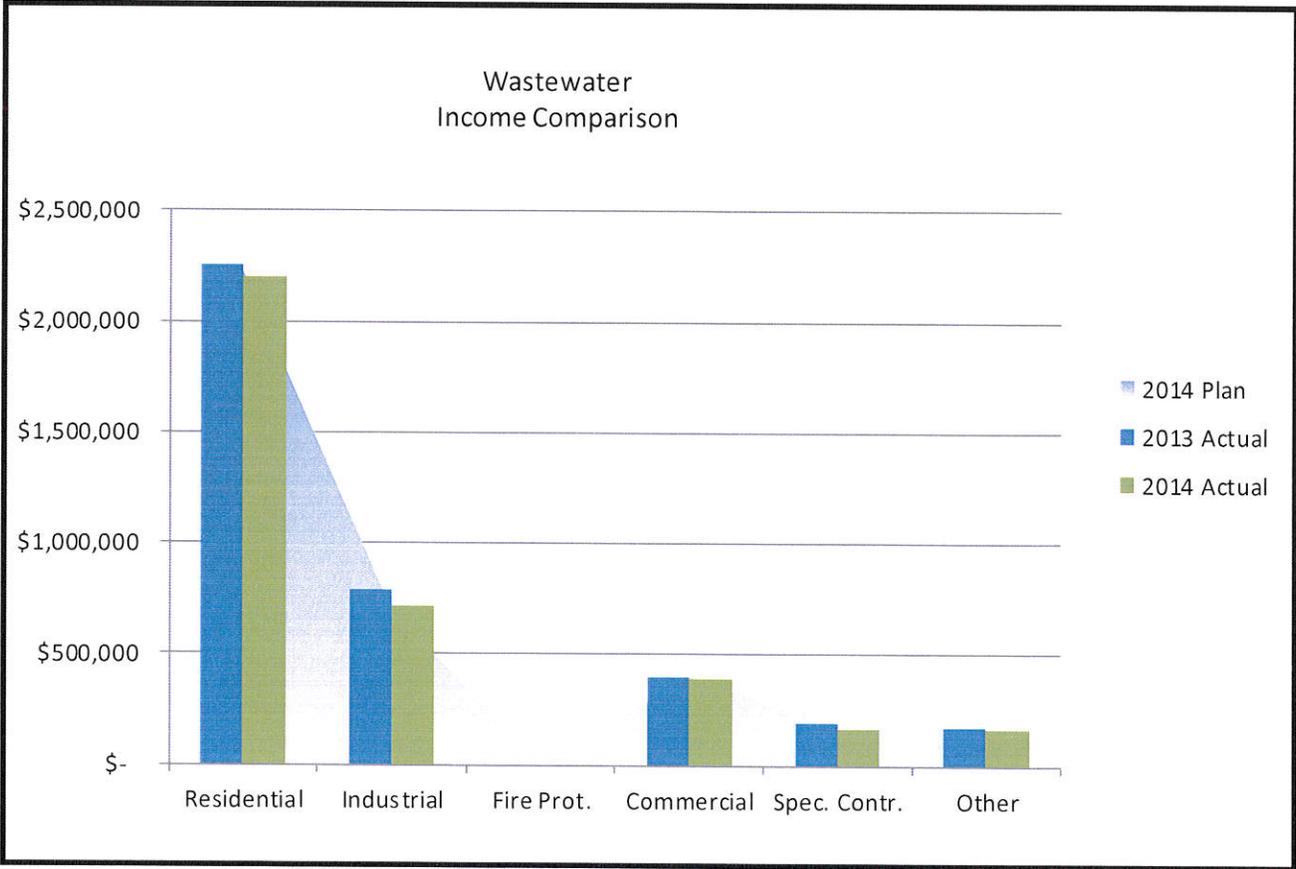


Figure 2b: Wastewater Income Chart

Water Expense Comparison							
Y T D as of 01/31/14							
	2014 Plan	2013 Actual	2014 Actual	2013 Act. Vs 2014 Act. Diff	2014 Plan vs 2014 Actual Diff	Fav/(unfav)	
Personnel	\$ 155,860	\$ 123,396	\$ 155,229	\$ (31,833)	\$ 631	0.4%	
Supplies	\$ 52,138	\$ 29,224	\$ 21,431	\$ 7,793	\$ 30,707	58.9%	
Utilities	\$ 43,282	\$ 39,740	\$ 41,858	\$ (2,118)	\$ 1,424	3.3%	
Maintenance	\$ 71,235	\$ 88,189	\$ 63,199	\$ 24,990	\$ 8,036	11.3%	
Other	\$ 40,504	\$ 55,314	\$ 40,050	\$ 15,264	\$ 454	1.1%	
Depreciation	\$ 81,800	\$ 83,324	\$ 80,483	\$ 2,841	\$ 1,317	1.6%	
Interest	\$ -	\$ 6,633	\$ -	\$ 6,633	\$ -	#DIV/0!	
Total	\$ 444,820	\$ 425,820	\$ 402,250	\$ 23,570	\$ 42,570	9.6%	

Figure 3a: Water Expense Table

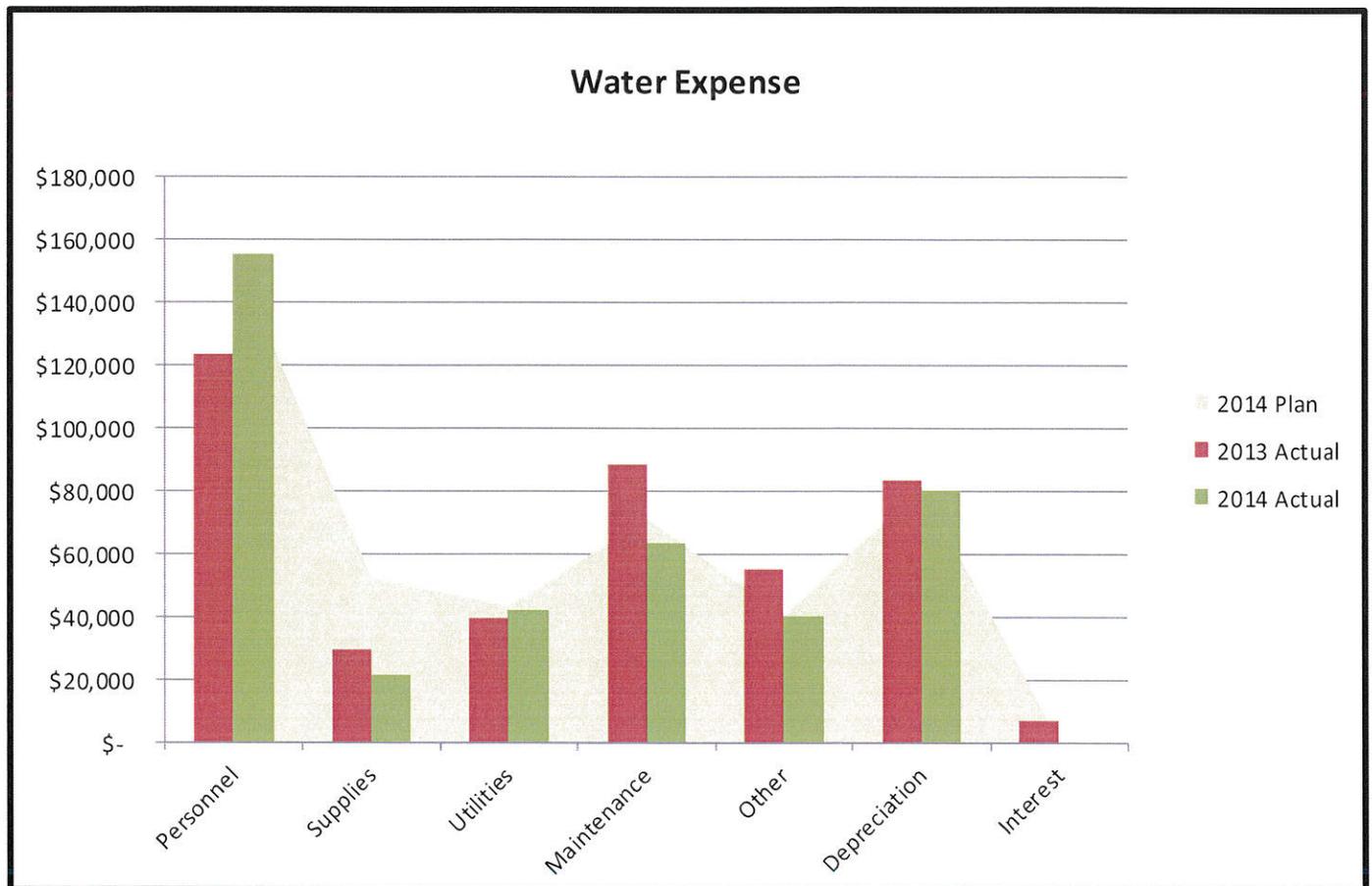


Figure 3b: Water Expense Chart

Wastewater Expense Comparison							
YTD as of 01/31/14							
	2014 Plan	2013 Actual	2014 Actual	2013 Act. Vs 2014 Act. Diff	2014 Plan vs 2014 Actual Diff	Fav/(unfav)	
Personnel	\$ 233,423	\$ 168,843	\$ 236,938	\$ (68,095)	\$ (3,515)	-1.5%	
Supplies	\$ 29,449	\$ 5,999	\$ 15,682	\$ (9,683)	\$ 13,767	46.7%	
Utilities	\$ 74,364	\$ 69,124	\$ 73,834	\$ (4,710)	\$ 530	0.7%	
Maintenance	\$ 11,851	\$ 6,477	\$ 17,588	\$ (11,111)	\$ (5,737)	-48.4%	
Other	\$ 61,609	\$ 51,891	\$ 63,012	\$ (11,121)	\$ (1,403)	-2.3%	
Depreciation	\$ 239,400	\$ 254,682	\$ 259,256	\$ (4,574)	\$ (19,856)	-8.3%	
Interest	\$ 180,950	\$ 181,759	\$ 180,813	\$ 946	\$ 137	0.1%	
Total	\$ 831,046	\$ 738,775	\$ 847,123	\$ (108,348)	\$ (16,077)	-1.9%	

Figure 4a: Wastewater Expense Table

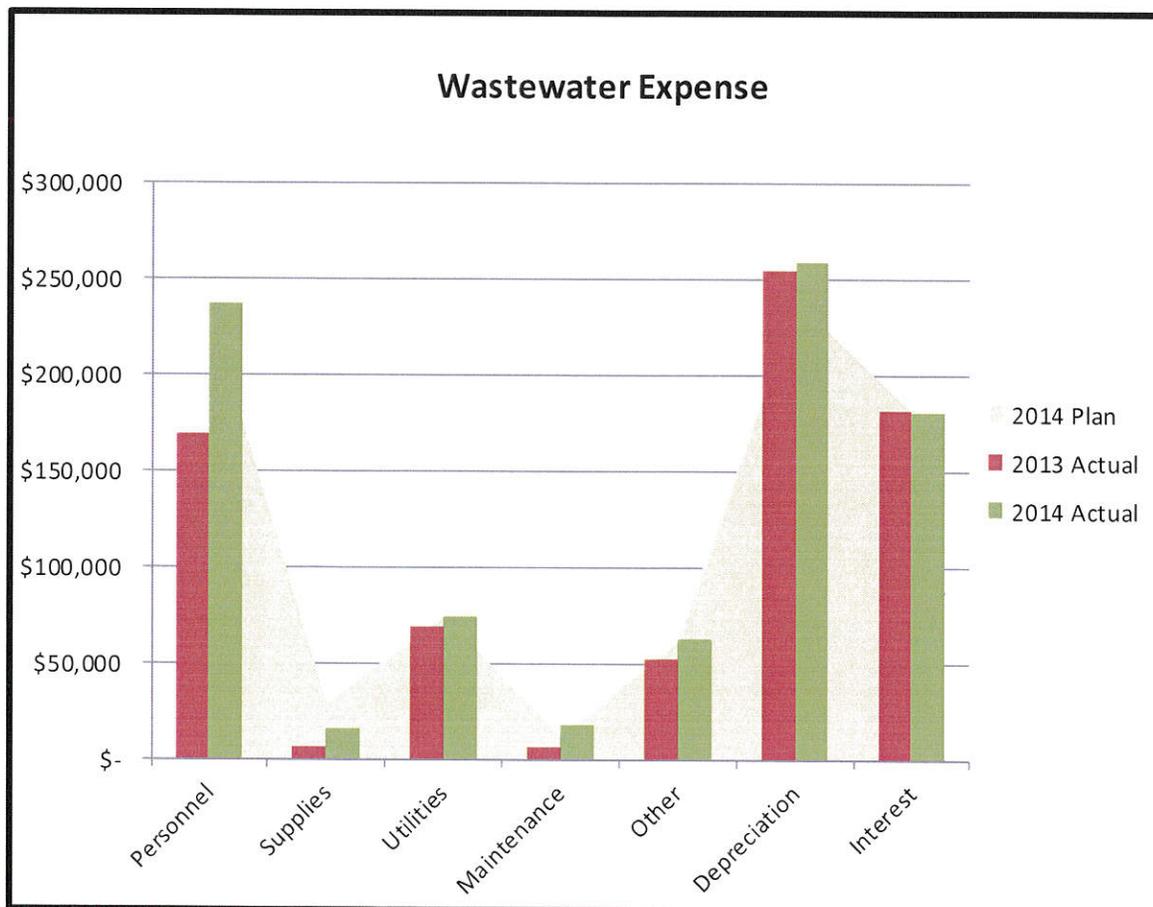


Figure 4b: Wastewater Expense Chart

Columbus City Utilities
 2014 Actual
 Water

4/30/2014

	Project Name	Budget	Committed	Paid	Balance
Distribution					
W1	Line Extensions/Relocations	10,000	0	0	10,000
W2	Valve Replacement	45,000	0	0	45,000
W3	Jack Hammers	2,500	0	0	2,500
W4	Pump replacements	15,000	0	0	15,000
W5	Locators	3,000	2,268	2,268	732
W6	Directional Drill	10,000	0	0	10,000
W7	Pavement Saw	1,500	0	0	1,500
W8	Portable Radios	5,000	0	0	5,000
WTP					
W9	Valves and Piping Rehab & Replace	45,000	894	894	44,106
W10	Paint plant facilities	50,000	0	0	50,000
W11	Concrete Rehab./ Brick Rehab.	15,000	0	0	15,000
W12	Metering Upgrades	30,000	0	0	30,000
W13	Rehab Wells @ WTP#2	50,000	0	0	50,000
W14	Booster Station Upgrade/Replacement	10,000	0	0	10,000
W15	Automation	20,000	8,841	8,841	11,159
W16	Rotork Valving	150,000	148,054	11,174	1,946
W17	WTP Pump & Motor Rehab	7,500	0	0	7,500
Engineering(water)					
W18	Misc Safety & Maint.	7,500	0	0	7,500
W19	Rocky Ford relocation	60,000	0	0	60,000
W20	Indiana Ave. Relocation	25,000	0	0	25,000
Information Systems(water)					
W21	NASERV3 Hard Drive addition	2,000	0	0	2,000
W22	Webserv Replacement	7,000	3,342	3,342	3,658
W23	Brosver Server replacement	7,000	0	0	7,000
W24	PC's--replacement	1,500	1,594	1,594	(94)
W25	Printer/MFP replacements/upgrades	1,000	0	0	1,000
W26	Exchange upgrade (hardware, software, gordons)	9,000	0	0	9,000
W27	Wonderware Systems Platform -WP2 & Collection	10,000	0	0	10,000
W28	inHance iRemote for Work Orders	10,000	0	0	10,000
W29	PC software upgrades(Windows)	2,000	0	0	2,000
W30	Upgrade Server OS Software (2008)	4,000	0	0	4,000
W31	Backup Software upgrades	3,000	0	0	3,000
W32	Crystal Reports (software, license, training)	1,000	0	0	1,000
W33	LAN Connections/Communications	5,000	0	0	5,000
W34	Wireless Communications	1,000	0	0	1,000
W35	Rewire Project/Wire Cabinet	10,000	0	0	10,000
W36	IVR system	25,000	0	0	25,000
W37	Watchguard Firewall replacement	5,000	0	0	5,000
W38	SQL Server software upgrade	4,000	0	0	4,000
W39	Sharepoint intranet setup	2,000	0	0	2,000
Quality Control(water)					
W40	Carpeting	15,000	0	0	15,000
W41	Replace Lab Cabinets	20,000	0	0	20,000
W42	Saftey Training Supplies	2,000	0	0	2,000
Vehicles(water)					
W43	Dist. Serv. Body 2003 #123	45,000	0	0	45,000
Contingency					
W44	Contingency	37,675	4,010	4,010	33,665
Totals Water		791,175	169,003	32,123	622,172
CARRYOVER			65,049	39,669	39,669

Columbus City Utilities
 2014 Actual
 Wastewater

4/30/2014

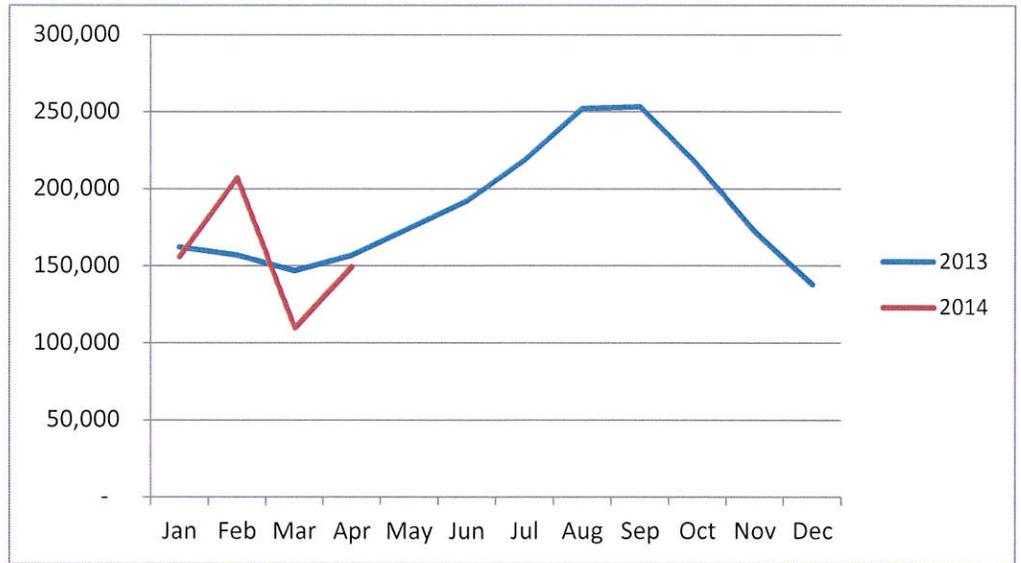
	Project Name	Budget	Committed	Paid	Balance	
Collection						
S1	Third St LS replacement (Design)	150,000	0	0	150,000	
S2	Line Extensions	40,000	0	0	40,000	
S3	LS Rehabilitations	50,000	0	0	50,000	
S4	Water Hose Replacement for Vactor	2,000	0	0	2,000	
S5	Pipe Saw/Cut Off Saw Replacement	3,000	0	0	3,000	
S6	Hydraulic Pump (Lift Station Bypass)	30,000	0	0	30,000	
S7	Excavation Upgrade (Combo Unit)	11,000	0	0	11,000	
WWTP Equip and Rehab.						
S8	Garden City WWTP Misc Eqp Replacement:	10,000	4,634	4,634	5,366	
S9	Haw Creek Headworks/Mariah Misc Eqp Rej	10,000	0	0	10,000	
Engineering(Wastewater)						
S10	Safety & Misc. Maint	7,500	0	0	7,500	
S11	Indiana Ave. Relocation	25,000	0	0	25,000	
S12	Dunn Stadium Sewer	85,000	0	0	85,000	
S13	Southside Odor Control	80,000	0	0	80,000	
S14	Haw Creek Weir Repl (Design)	70,000	0	0	70,000	
Administration						
S15	Paint Walls	10,000	877	877	9,123	
S16	Windows	2,000	3,960	3,960	(1,960)	
S17	HVAC Upgrades	100,000	0	0	100,000	
Information Systems(Wastewater)						
S18	NASERV3 Hard Drive addition	2,000	0	0	2,000	
S19	Webserv Replacement	7,000	0	0	7,000	
S20	Brosver Server replacement	7,000	0	0	7,000	
S21	PC's--replacement	1,500	0	0	1,500	
S22	Printer/MFP replacements/upgrades	1,000	0	0	1,000	
S23	Exchange upgrade (hardware, software, gordons)	9,000	0	0	9,000	
S24	Wonderware Systems Platform -WP2 & Collection	10,000	0	0	10,000	
S25	inHance iRemote for Work Orders	10,000	0	0	10,000	
S26	PC software upgrades(Windows)	2,000	0	0	2,000	
S27	Upgrade Server OS Software (2008)	4,000	0	0	4,000	
S28	Backup Software upgrades	3,000	0	0	3,000	
S29	Crystal Reports (software, license, training)	1,000	0	0	1,000	
S30	LAN Connections/Communications	5,000	0	0	5,000	
S31	Wireless Communications	1,000	0	0	1,000	
S32	Rewire Project/Wire Cabinet	10,000	0	0	10,000	
S33	IVR system	25,000	0	0	25,000	
S34	Watchguard Firewall replacement	5,000	0	0	5,000	
S35	SQL Server software upgrade	4,000	0	0	4,000	
S36	Sharepoint intranet setup	2,000	0	0	2,000	
Quality Control						
S37	Automatic Samplers	3,000	0	0	3,000	
S38	Rotary Evaporator	8,000	3,821	3,821	4,179	
S39	HVAC POP replacement	20,000	0	0	20,000	
Vehicles						
S40	WWTP - Pickup	2000 #204	25,000	0	0	25,000
S41	Mobile Crane	1994 #293	180,000	0	0	180,000
S42	Coll - 4WD Pickup	2002 #215	30,000	0	0	30,000
S43	Coll - TV Truck	2005 #254	250,000	0	0	250,000
S44	Admin - SUV	2002 #501	30,000	0	0	30,000
Contingency						
S45	Contingency	67,050	0	0	67,050	
Total Wastewater		1,408,050	13,292	13,292	1,394,758	

CARRYOVER

1,157,674 354,391

**Columbus City Utilities
WATER BILLED**

	<u>2013</u>	<u>2014</u>
Jan	162,225	155,914
Feb	156,834	207,198
Mar	146,663	109,634
Apr	156,702	149,370
May	174,263	
Jun	192,112	
Jul	218,504	
Aug	252,053	
Sep	253,183	
Oct	215,562	
Nov	172,159	
Dec	137,742	
Totals	<u>2,238,002</u>	<u>622,116</u>



	2013			Billed		2013		
	Gallons	Dollars	\$/Gal.	# of Accts	# of Accts	Gallons	Dollars	\$/Gal.
Jan	162,225	329,623	2.032	16,834	17,619	155,914	331,460	2.126
Feb	156,834	316,090	2.015	16866	17,615	207,198	388,376	1.874
Mar	146,663	305,279	2.081	16899	17,648	109,634	273,594	2.496
Apr	156,702	321,142	2.049	16991	17,648	149,370	312,766	2.094
May	174,263	342,749	1.967	17063				#DIV/0!
Jun	192,112	367,035	1.911	17043				#DIV/0!
Jul	218,504	398,829	1.825	17091				#DIV/0!
Aug	252,053	439,208	1.743	17198				#DIV/0!
Sep	253,183	447,775	1.769	17214				#DIV/0!
Oct	215,562	399,841	1.855	17256				#DIV/0!
Nov	172,159	342,774	1.991	17267				#DIV/0!
Dec	137,742	296,114	2.150	17254				#DIV/0!
Totals	<u>2,238,002</u>	<u>4,306,459</u>	<u>1.924</u>	<u>17081</u>	<u>17,633</u>	<u>622,116</u>	<u>1,306,196</u>	<u>2.100</u>

Columbus City Utilities
Other Payments
Payments Not Shown on Claims Schedule

Water

Payroll	90,125.28	412,618.01
Health Insurance	19,071.92	77,796.51
Credit Card Fees	2,648.10	9,290.98
Clerk-Treas/Payroll Charges	-	1,200.00
	<u>111,845.30</u>	<u>500,905.50</u>

Wastewater

Payroll	138,218.83	623,204.10
Health Insurance	25,693.71	100,601.47
Credit Card Fees	2,648.10	9,290.99
Clerk-Treas/Payroll Charges	-	1,200.00
	<u>166,560.64</u>	<u>734,296.56</u>

UTILITY ENGINEERING REPORT

May 2014

Ed Bergsieker

Manager of Engineering

Wastewater Collection

During the month of April, Collection crews responded to 32 possible main blockage calls. Of those calls, eight were actually blocked at the city main. Crews responded to five septic tank issues which had to be pumped out. Crews performed three TV inspections located at 3371 Crescent Way, 6105 Horizon and also on Terrace Lake Road. A dye test was performed at 555 S. National Road for the Spring Valley Trailer Park. Collection crews assisted the business office with 92 door tags and 141 disconnects for non-payment during the month. Normal daily duties and general maintenance were also performed.

Lift station crews had several pump issues during April. At 17th Street lift station, crews had to replace the sump pump, clean the sump pump pits and floor in the wet well and had to pull pump 2 to rebuild or replace. Crews also worked with Fluid Waste management to clean sand out of the wet well at 17th Street. Bakalar South had to have the pump pulled to check seals for damage and had to pull the stator housing and clean oil from inside. Princeton Park lift stations required the pump to be pulled and cleaned of debris and also had to replace the impellor O-ring. The pump and breaker at Tobacco Road lift station had to be replaced and the pump at 46 West had to be replaced as well. The pump, float, check valve and disconnect all had to be replaced at 3147 S. Pisgah Way. The Centra Credit Union and 8th Street lift stations both were flooded and required the float sensors to be cleaned. Harvest Meadows had an electrical issue with the breaker in which crews had to replace the breaker for a 110 volt control circuit. Harvest Meadow's lift station was hit by lightning and crews had to replace the monitor and base. A fuse and transformer had to be replaced at the Gropp's lift station. Normal daily duties and general maintenance were performed throughout the month as well.

Water Distribution

During the month of April, Distribution crews spent several hours disconnecting old service lines at the old Golden Foundry located around 10th & Hutchins and 11th & Cottage. The service lines at 6th & Franklin, 826 Jackson and 621 Maple Street also had to be disconnected. There was only one main break during the month and it was located at 2321 Illinois Avenue. Crews replaced a valve box at Dunn Stadium located on Spear Street and at 2767 Lafayette Avenue. There were two water taps performed in April. An 8" water tap at 407 S Gladstone and a 6" tap at Whitney Court. A total of 27 meter pit leaks were repaired throughout the month.

Hydrant crews performed preventative maintenance on a total of 25 hydrants and also performed four hydrant flow tests. Crews also replaced a hydrant at 536 5th Street that had been leaking.

A total of 32 new 5/8" services were installed in April and seven meters were changed out and replaced with a new radio read meter. Crews installed 92 new automated meter reading units during the month. Thirty-two of those were installed on new services and the other 60 were replacements to the old automated meter reading units. Crews also performed normal daily duties and general maintenance throughout the month.

Engineering

The Engineering Department did 35 tap inspections and 1073 line locations in April. These numbers are record numbers for us and we don't see things slowing down. Our new Engineering Technician is keeping up with the demand and his experience is proving invaluable to Columbus Utilities. We continue to be very pleased with this individual and his job performance without a lot of training involved. Staff attended meetings of the Bartholomew County Utility Coordinating Committee.

Utility relocation has started on the upcoming Carr Hill Road Project. Water and sanitary sewer relocations have begun and so far no significant changes or delays have affected the construction except for the periodic rains that continue to make the ground hard to work. Coordination with developers continues with little construction taking place on approved developments.

Through April we are approximately 25% complete on the 3rd Street lift Station Relocation and Replacement and Sanitary Sewer Improvements. Contact with all the potential property owners has been ongoing with three of the four sites being somewhat receptive at this point. The Mariah Foods property has already indicated that they would donate the parcel we are interested in for our improvements. This site is favorable due to its location, but will have some extra infrastructure costs to reroute existing infrastructure to the site. We hope that through the donation of the property, that the costs will be offset. Also all the background information regarding Record Drawings and any system performance data available that Columbus Utilities has at this time has been forwarded to GRW and they are in the process of completing field work necessary for putting together the cost figures for the various sites. Engineering will continue to present the engineering costs on an updated basis as the first phase of this project develops. GRW's not to exceed cost for this phase will be maintained unless the project scope changes, at which time we will come back to the Board for further authorization.

Water Treatment Plant

In our April 2014 safety meeting, we focused on three topics, 1) reviewing the Safety Data Sheets ("SDS") for FerroVer Iron reagent, 2), results from Koorsen's fire extinguisher inspection, and 3) preparations for Brady Corps onsite LockOut/TagOut asset coordinated by CCU's Safety Committee.

Staff reviewed the SDS for FerroVer Iron Reagent in order to meet our goal of compliance with CCU's Hazard Communication Plan ("HCP"). FerroVer Iron reagent is a blend of chemicals packaged in small foil packets in pre-measured quantities. Operators use FerroVer Iron reagent to determine the amount of iron in our raw and

finished water by adding it to a water sample and analyzing it in a "Hach" DR900 test instrument. The FerroVer Iron reagent SDS describes its primary health hazard as an irritant to the eyes and respiratory tract, noted by a number two (2-hazardous) designation on the National Fire Protection Association (NFPA) hazard identification card; PPE for breathing and eye protection is recommended. Considered flammable, when burned it can release a variety of toxic fumes.

Next, we reviewed Koorsen's fire extinguisher inspection report and recommendations. Koorsen recommends changing the location of some extinguishers for better accessibility and adding some extinguishers to replace outdated extinguishers.

Lastly, we discussed LockOut/TagOut program assessment coordinated by CCU's Safety Committee. We had a general discussion about each staff member's prior training and experience with LockOut/TagOut programs. Discussion of LockOut/TagOut materials currently available to staff, locations of the materials, and equipment that is not equipped with lockable power disconnects.

Maintenance Person/Plant Operator position became open again with the resignation of an employee effective March 21, 2014. In April, this position was advertised, applications accepted, and candidates interviewed. We have made an offer to one candidate, which is currently pending a successful pre-employment physical, with May 19, 2014 as a tentative start date.

Rotork Project (actuators on old filters at WP2) is complete.

SCADAware operating software is installed and functional, operations tests are nearly complete, and onsite programming and operational setup is set for mid-May.

Initiated 2014 Well Maintenance Plan having completed all scheduled flow tests at both plants and began cleaning Well No. 13 at WP2. We are reviewing flow test data to determine which wells require cleaning and/or repairs in 2014.

WASTEWATER OPERATIONS REPORT
May 2014
Garry Pugh
Manager of Wastewater Operations

Wastewater Treatment

The wastewater treatment plant (WWTP) continued the spring land application of Biosolids throughout April. Land application will continue into May because the April rain events limited the April land application activities.

The WWTP personnel worked with the water plant maintenance department with their Rotork Valve installation project.



Rotork Valve



Liebert Air Unit

The cooling unit for the Headwork's mechanical room failed during April. Nading Contracting repaired leaks on the Headwork's Liebert cooling system, filled the system with Freon and placed it back in service.

The WWTP maintenance department replaced seals on drive units # 15-05 and 15-06 on Oxidation Ditch #1.



Dissolved Oxygen Controller 15-02



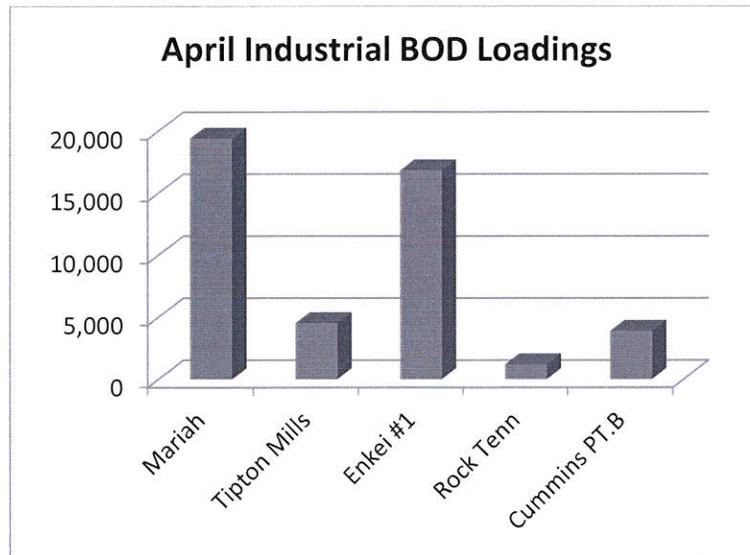
Loading Solids

Plant personnel installed a new membrane and seal on Dissolved Oxygen Probe # 15-02 located in Oxidation Ditch #1.

The wastewater treatment personnel spent 65.0 hours during April performing preventive maintenance duties.

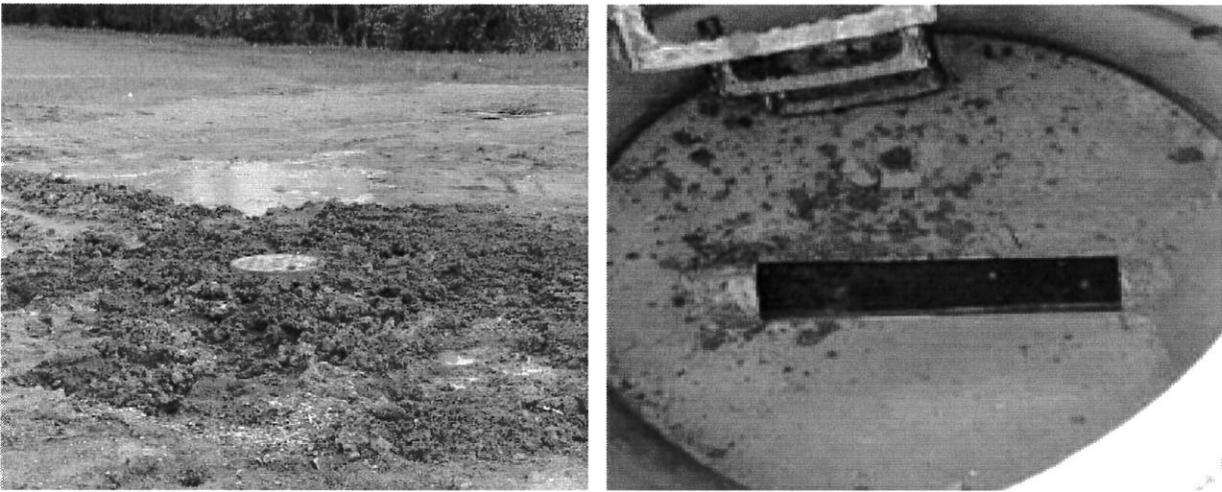
Pretreatment

The total BOD loading on the WWTP in March was 353,939 pounds. This is slightly higher than the previous month due to much higher flow and lower concentration. The following graph depicts the BOD contributions from several industries.



Results of sampling conducted at the Cummins Fuel Systems Plant (CFSP) End of Pipe during the week of March 24th were all in compliance. The copper concentration decreased in each successive daily composite sample collected during that week. It appears that the total pump-out of the cooling tower system along with other measures taken to reduce copper in the discharge were effective for at least the short term. Another round of sampling will be conducted during the week of May 5th to see if the measures continue to have a positive effect.

Pretreatment staff checked the new PMG manhole again on April 4th and there still appeared to be significant ground water infiltration. PMG was notified and later informed the CCU that the contractor would check on it. Attempts to repair the ground water leak were unsuccessful and PMG informed the CCU that the manhole would have to be replaced. The CCU issued a Letter of Violation for failure to provide a satisfactory sampling manhole and established April 30th as the deadline for the installation of the manhole to meet sampling requirements. Failure to comply with the deadline would lead to a Show Cause Hearing and possible further enforcement action. The manhole was replaced on April 26th and pretreatment staff checked it on April 29th and observed no ground water infiltration (see below). The surrounding ground will be graded and grass planted so sampling for the month of May will take place at the new manhole.



The CCU collected five composite samples from the NET Forge discharge during the last week of March. There was a copper violation on March 27th and a LOV was issued. NET Forge's response indicated that maintenance was conducted on the plant sprinkler system that day. They believe turbulence and refilling the lines loosened oxidized copper that was discharge to the sewer. Results of samples collected before and after March 27th were in compliance so that seems to be a satisfactory explanation. NET plans to do more testing on its own.

The Bulk #2714 groundwater remediation site March self-monitoring report indicated a violation of the permitted Volatile Organic Compounds limit. In response to the LOV the contractor, Golars Environmental, indicated that the April result was very low; which is normal. They found no particular reason that caused the increased VOC concentration. They will hook a carbon tank up to process as an extra treatment step to prevent further occurrences.

Analysis of a Clinton County Landfill leachate sample April 3rd indicated a zinc violation. The LOV response is pending. Results of a sample collected on April 24th were in compliance.

The first quarter industrial compliance report was prepared and submitted to IDEM.

Pretreatment staff assisted in the collection of WWTP final effluent samples during the week of April 21st for the semi-annual Whole Effluent Toxicity (Biomonitoring) requirement.

Clinton County Landfill delivered 435,018 gallons of leachate to the WWTP in April.

Victory Landfill delivered 66,014 gallons of leachate to the WWTP in April.

Valley View Landfill delivered 287,587 gallons of leachate to the WWTP in April.

Sycamore Ridge Landfill delivered 70,979 gallons of leachate to the WWTP in April.

Laboratory

In addition to routine laboratory duties and analysis in April, the following items were also completed:

Industrial testing included: Net Forge, Impact Forge, NMAA, PMG, and NTN, Clinton County leachate, CFSP end of pipe, DJG, Rock-Tenn, Victory, and Sycamore Ridge leachate.

Biomonitoring was during the month as is required in the NPDES permit. The permit states this is to be done bi-annually for the duration of the permit. In accordance with the Clean Water Act Biomonitoring is analyzed to assess the character of the effluent, and the effects of the effluent on aquatic life. The permit states that the final effluent be tested for three days and five fresh 24-hour composite samples of the effluent collected on alternate days. In addition to the test on aquatic life, the normal permitted analysis must be performed on the final effluent which includes: Metals, Cyanide, Ammonia, CBOD, E.coli, and Total Suspended Solids.

The Lab's balances were cleaned and calibrated by Alpha-Liberty Company. This is required yearly.

Daily fluoride and phosphate testing on water plant 1 and 2.

Test Count

APRIL 2014 TOTAL TEST COUNT

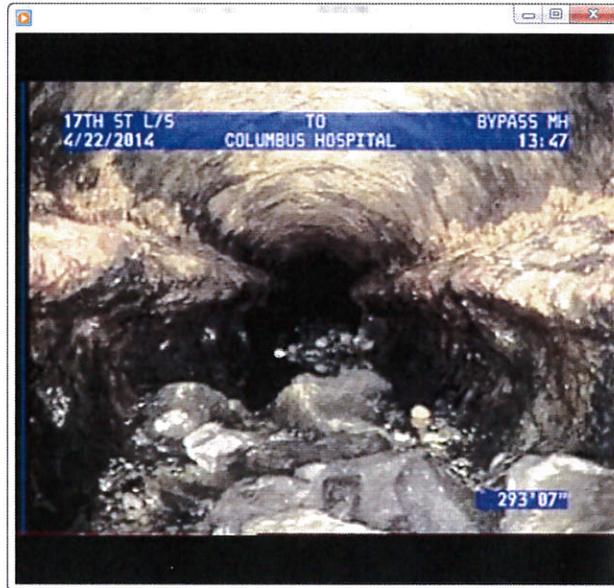
Analytes	# Of Tests
Alkalinity	0
Amenable Cyanide	2
Ammonia Nitrogen	125
Bacteriological	216
Balance Check	27
Biochemical Oxygen Demand	643
Chlorine Residual	98
Conductivity/TDS	21
Dissolved Oxygen	27
E.coli	74
Fecals	0
Fluoride	117
Fume Hoods	19
Haloacetic Acids	5
Hardness	0
Heavy Metals	640
Iron	0

Manganese	4
Nitrates	9
Oil & Grease	2
PCB's	0
Pesticides	0
pH	118
Phthalates	0
Potassium	1
Settleable Solids	3
Sulfides	0
SOC's	0
SVOC's	0
Temperature	247
TKN	1
Total Cyanide	0
Total Phosphorus	74
Total Solids	1
Total Suspended Solids	143
Total Trihalomethanes	5
Total Volatile Solids	0
Turbidity	8
UCMR3	0
VOC's	0
Volatile Suspended Solids	0
Flatrock-Haw Creek BOD	2
Flatrock-Haw Creek Nitrate	4
Flatrock-Haw Creek Total Phosphorus	2
TENA- Ammonia	12
TENA- Bacteriological	2
TENA- BOD	16
TENA- E.coli	8
TENA-Nitrate	0
TENA- Total Suspended Solids	24
Industrial- Ammonia	7
Industrial- BOD	7
Industrial- Metals	18
Industrial- Total Phosphorus	7
Industrial- Total Suspended Solids	7
Industrial-pH	1
Industrial-Oil & Grease	0
Swimming Pools	0
Grand Total	2747

DIRECTOR'S REPORT
May 2014
Keith L. Reeves P.E.

The sewer failure at Seventeenth Street continues to rack up expenses. At my last report, Case construction was just finishing the sewer repair work and we were committed to evaluating the sewer to determine the extent of the hydrogen sulfide corrosion.

Fluid Waste Services was contracted to video the line since their video equipment was better suited for large diameter piping. They were able to video most of the piping but a portion underneath the creek was inaccessible due to debris and tuberculation, which is the process where corrosion products build up on the walls of iron pipes. The corrosion on the cast iron pipe under the river had built up to the point that the original 20" pip diameter had been reduced to an effective 6" to 8" "trough". (see picture)



Normal sewer cleaning techniques are ineffective on this type of blockage so we sought and eventually found a company out of Michigan to perform a descaling operation using a pigging process. Doestch Environmental Services was brought in to work with Fluid Waste Services to complete the cleaning of this pipe section.

We have also experienced damage to our pumps at the station due to damage from the original debris. One pump has had to be replaced and now a second that we thought we could "bring back" is showing problems and will likely need some rehabilitation or possible replacement.

Obviously, these emergency measures are not something we have budgeted for in advance. To date we have obligated close to \$86,000 toward the repair as detailed in the table below.

Tabulation of Costs		
Fluid Waste Services	Evaluation and Cleaning	\$ 26,293.75
Case Construction	Repair	\$ 19,517.40
Xylem Pumps	Pump Replacement	\$ 13,887.00
Fluid Wastes with Doestch	Descaling	\$ 26,150.00
Total so far		\$ 85,848.15

In addition to the pump issue mentioned above, we also have to make corrections to the pipeline to stem the corrosion and prevent this from happening again. Ed will be meeting with two fiberglass pipe lining providers to get estimates for this work. There has been enough material loss that this is a critical need for the pipeline under the creek. (There are places where the cast iron is completely gone and only the concrete encasement is keeping the creek out of our sewer.) I am also asking our crews to televise and evaluate this sewer from this point east to at least McClure Road to determine if the project should be larger in scope.

We are also reviewing our capital budget to consider if there are any projects listed there that can be deferred in order to help our cash flow situation.