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

Income and expenses appear to be within a couple percentage points of the plan. Income is slightly favorable and expenses are slightly unfavorable. I do believe the variances will decrease over the last two months of this year, as both income and expense are normally down somewhat during this period of time. Cash is also looking good for the year, and we should increase our water balance by about $500,000, and wastewater will decrease less than we had anticipated.

We continue to work on numerous projects which include preparing for submission of our budget to the City Council for approval. We are also in the process of annual performance reviews for all employees. In mid-December we will go live with our Invoice Cloud Payment Portal which will give our customers better access to the Utilities. We hope their on-line experience with us will be more inviting and allow more customers to pay on-line and access their account information.

As always, please let me know if you have any questions.

Water Income Comparison
Y T D as of 10/31/14

	2014 Plan	2013 Actual	2014 Actual	2013 Act. Vs 2014 Act. Diff	2014 Plan vs 2014 Actual Diff	Fav/(unfav)
Residential	$ 1,802,000	$ 1,927,903	$ 1,887,450	$ (40,453)	$ 85,450	4.7%
Industrial	$ 623,000	$ 623,862	$ 636,724	$ 12,862	$ 13,724	2.2%
Fire Prot.	$ 543,000	$ 543,738	$ 571,592	$ 27,854	$ 28,592	5.3%
Commercial	$ 362,000	$ 356,108	$ 328,527	$ (27,581)	$ (33,473)	-9.2%
Spec. Contr.	$ 166,000	$ 158,939	$ 163,239	$ 4,300	$ (2,761)	-1.7%
Other	$ 375,726	$ 388,961	$ 384,655	$ (4,306)	$ 8,929	2.4%
Total	$ 3,871,726	$ 3,999,511	$ 3,972,187	$ (27,324)	$ 100,461	2.6%

Figure 1a: Water Income Table

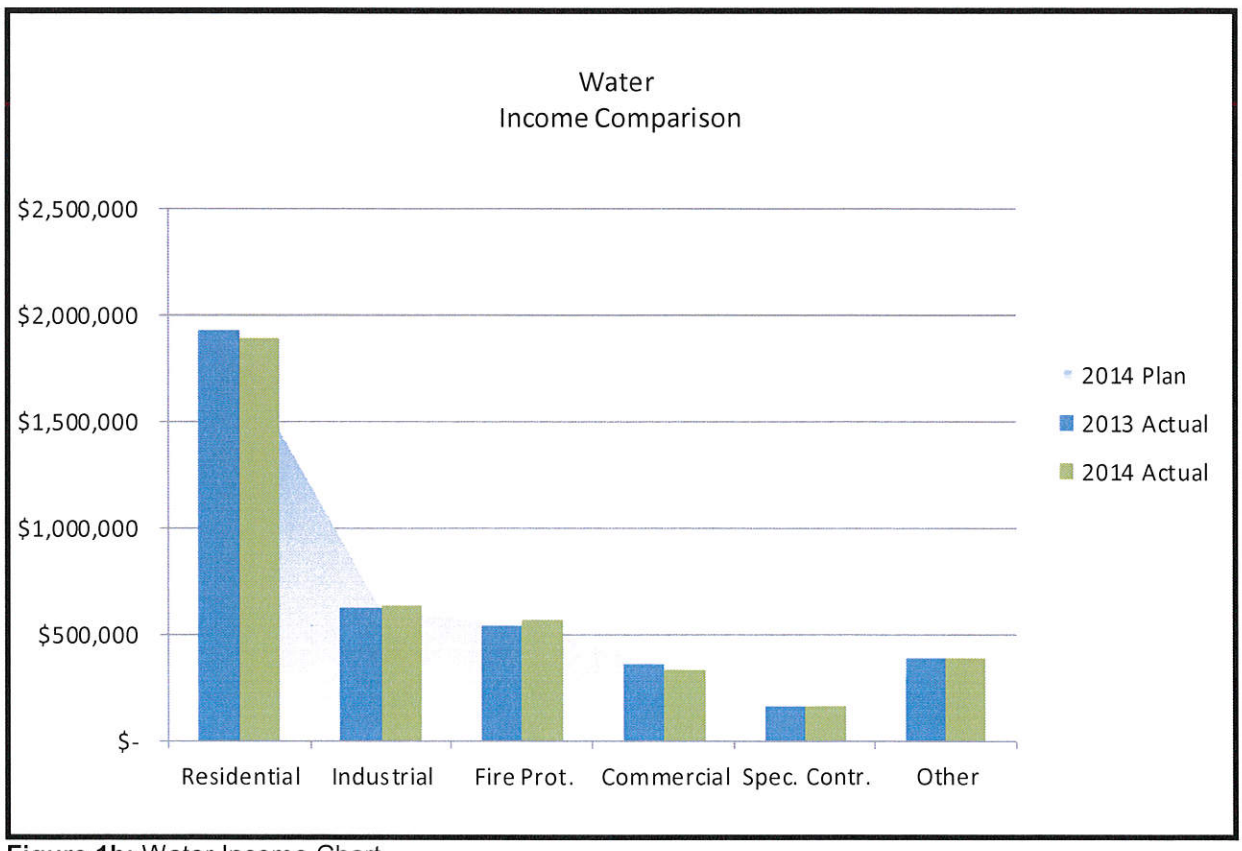


Figure 1b: Water Income Chart

Wastewater Income Comparison
Y T D as of 10/31/14

	2014 Plan	2013 Actual	2014 Actual	2013 Act. Vs 2014 Act. Diff	2014 Plan vs 2014 Actual Diff	Fav/(unfav)
Residential	$ 5,479,000	$ 5,415,803	$ 5,391,761	$ (24,042)	$ (87,239)	-1.6%
Industrial	$ 1,865,763	$ 2,060,236	$ 2,032,815	$ (27,421)	$ 167,052	9.0%
Fire Prot.	$ -	$ -	$ -	$ -	$ -	
Commercial	$ 1,107,000	$ 1,056,340	$ 1,046,391	$ (9,949)	$ (60,609)	-5.5%
Spec. Contr.	$ 464,000	$ 441,779	$ 390,960	$ (50,819)	$ (73,040)	-15.7%
Other	$ 397,700	$ 497,310	$ 462,205	$ (35,105)	$ 64,505	16.2%
Total	$ 9,313,463	$ 9,471,468	$ 9,324,132	$ (147,336)	$ 10,669	0.1%

Figure 2a: Wastewater Income Table

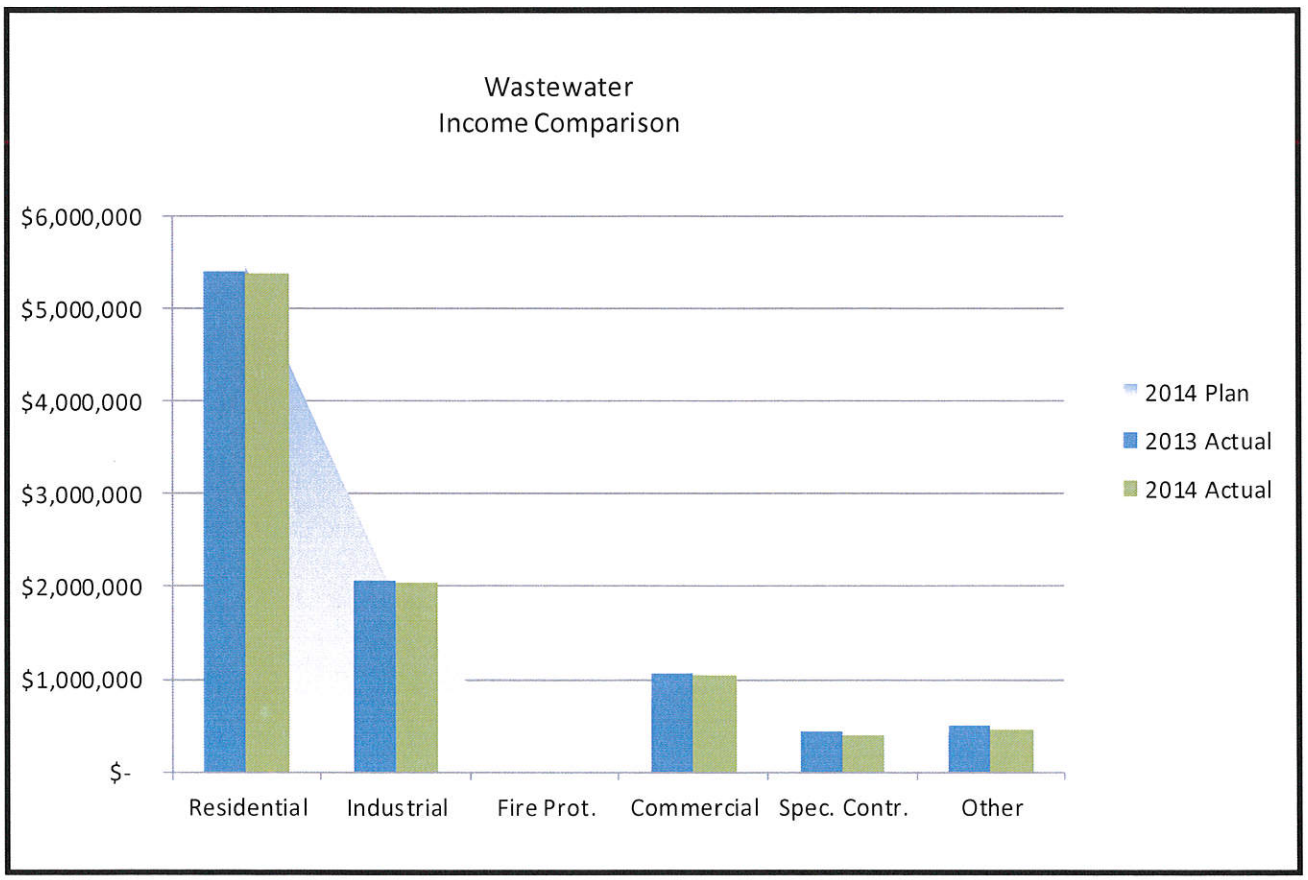


Figure 2b: Wastewater Income Chart

Water Expense Comparison

Y T D as of 10/31/14

	2014 Plan	2013 Actual	2014 Actual	2013 Act. Vs 2014 Act. Diff	2014 Plan vs 2014 Actual Diff	Fav/(unfav)
Personnel	$ 1,470,142	$ 1,404,969	$ 1,473,598	$ (68,629)	$ (3,456)	-0.2%
Supplies	$ 519,754	$ 437,308	$ 668,264	$ (230,956)	$ (148,511)	-28.6%
Utilities	$ 448,167	$ 469,334	$ 481,920	$ (12,586)	$ (33,753)	-7.5%
Maintenance	$ 273,717	$ 285,375	$ 277,347	$ 8,028	$ (3,630)	-1.3%
Other	$ 339,667	$ 369,276	$ 286,237	$ 83,039	$ 53,430	15.7%
Depreciation	$ 811,415	$ 843,055	$ 804,830	$ 38,225	$ 6,585	0.8%
Interest	$ -	$ 9,441	$ -	$ 9,441	$ -	#DIV/0!
Total	$ 3,862,863	$ 3,818,758	$ 3,992,196	$ (173,438)	$ (129,334)	-3.3%

Figure 3a: Water Expense Table

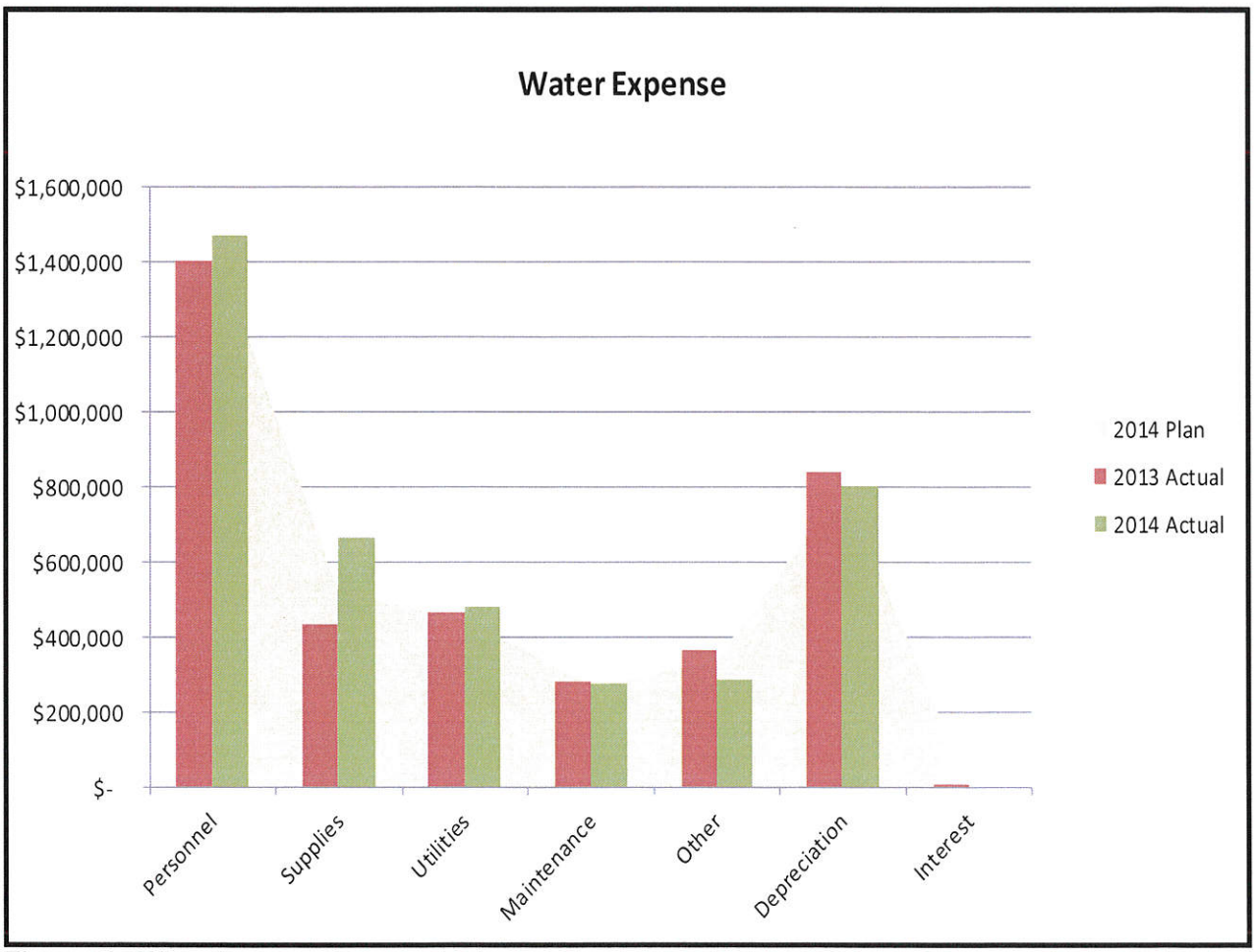


Figure 3b: Water Expense Chart

Wastewater Expense Comparison
Y T D as of 10/31/14

	2014 Plan	2013 Actual	2014 Actual	2013 Act. Vs 2014 Act. Diff	2014 Plan vs 2014 Actual Diff	Fav/(unfav)
Personnel	$ 2,061,082	$ 2,004,570	$ 2,013,648	$ (9,078)	$ 47,434	2.3%
Supplies	$ 268,059	$ 262,864	$ 236,934	$ 25,930	$ 31,125	11.6%
Utilities	$ 677,336	$ 689,589	$ 711,046	$ (21,457)	$ (33,710)	-5.0%
Maintenance	$ 126,293	$ 121,719	$ 115,369	$ 6,350	$ 10,924	8.6%
Other	$ 503,610	$ 598,125	$ 550,832	$ 47,293	$ (47,222)	-9.4%
Depreciation	$ 2,493,280	$ 2,455,098	$ 2,592,560	$ (137,462)	$ (99,280)	-4.0%
Interest	$ 1,732,652	$ 1,829,436	$ 1,732,515	$ 96,921	$ 137	0.0%
Total	$ 7,862,312	$ 7,961,401	$ 7,952,904	$ 8,497	$ (90,592)	-1.2%

Figure 4a: Wastewater Expense Table

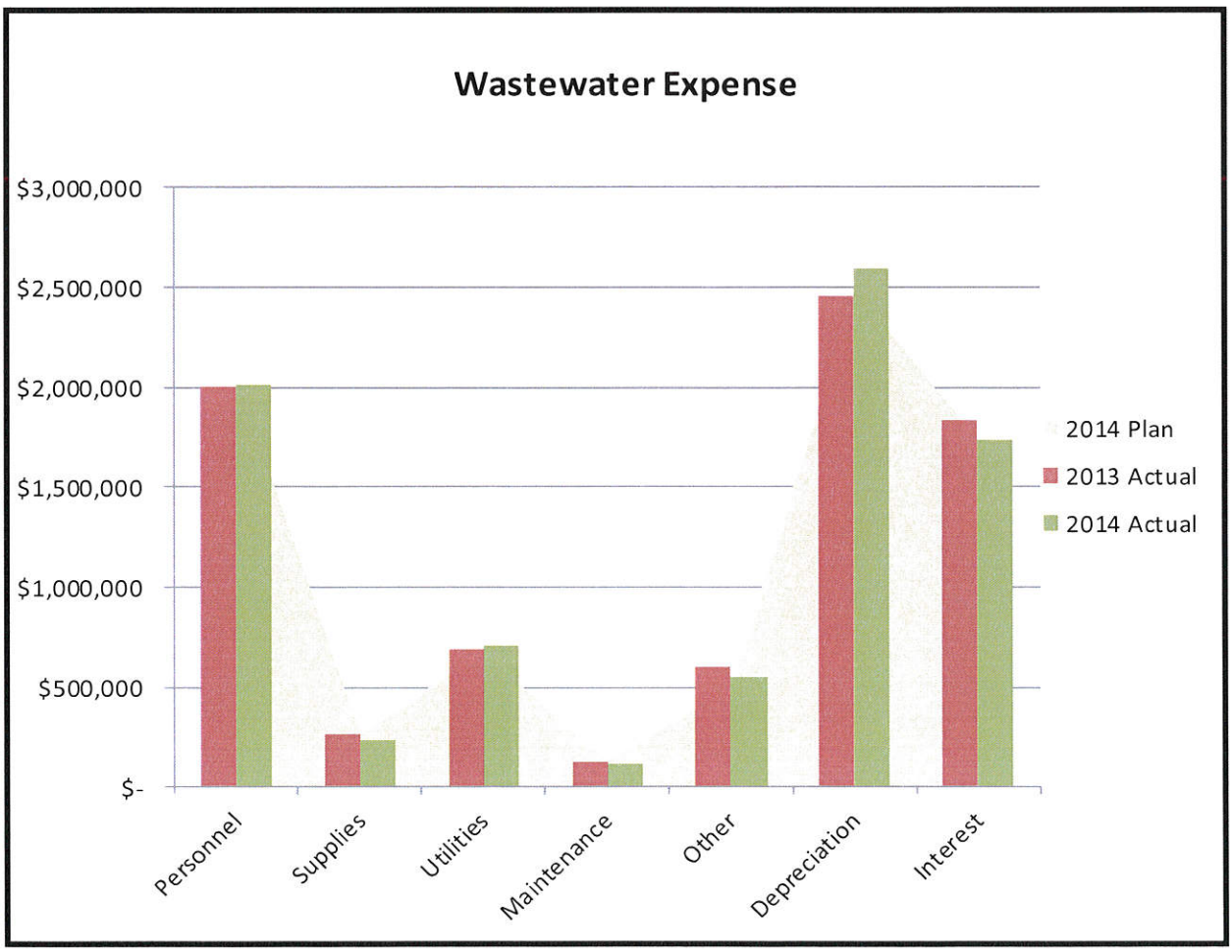


Figure 4b: Wastewater Expense Chart

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	4,285,436.14	9,429,975.51
Operating Expense	(3,453,081.33)	(3,785,758.73)
Capital Expenditures	(404,834.93)	(1,220,855.62)
Debt Payments		(5,832,485.02)
Other (Inc)/Exp	(58,307.10)	(105,828.09)
	4,512,333.64	16,814,301.51
Ending Cash 10/31/14		
Oper	1,844,183.07	2,127,647.85
Deposits	109,978.21	187,886.42
Bond Res	-	3,677,062.00
B & I	-	2,964,567.67
Depreciation	2,558,172.36	7,857,137.57
End Balance	4,512,333.64	16,814,301.51
Net Change in Cash	369,212.78	(1,514,951.95)

Figure 5a: Cash Analysis Table

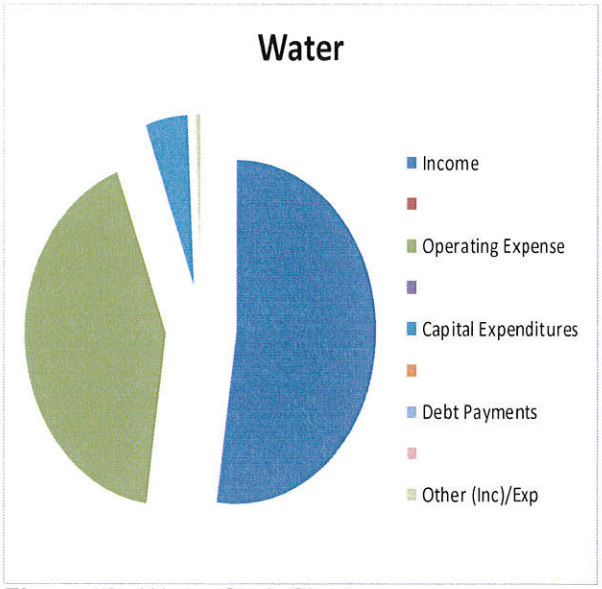


Figure 5b: Water Cash Chart

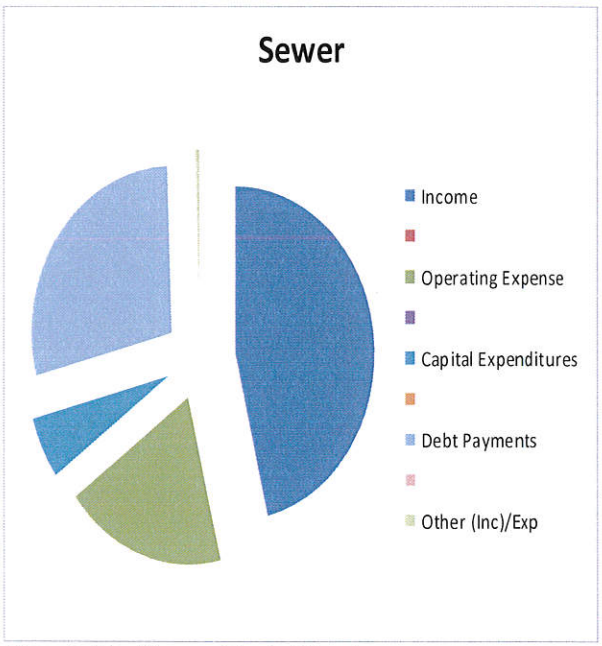


Figure 5c: Sewer Cash Chart

Columbus City Utilities
2014 Actual
Water

10/31/2014

	Project Name	Budget	Committed	Paid	Balance
	Distribution				
W1	Line Extensions/Relocations	10,000	6,205	6,205	3,795
W2	Valve Replacement	45,000	18,504	18,504	26,496
W3	Jack Hammers	2,500	0	0	2,500
W4	Pump replacements	15,000	0	0	15,000
W5	Locators	3,000	8,274	8,274	(5,274)
W6	Directional Drill	10,000	9,348	9,348	652
W7	Pavement Saw	1,500	1,403	1,403	97
W8	Portable Radios	5,000	4,010	4,010	990
	WTP				
W9	Valves and Piping Rehab & Replace	45,000	37,202	11,133	7,798
W10	Paint plant facilities	50,000	12,516	0	37,484
W11	Concrete Rehab./ Brick Rehab.	15,000	0	0	15,000
W12	Metering Upgrades	30,000	31,805	31,062	(1,805)
W13	Rehab Wells @ WTP#2	50,000	7,495	3,071	42,505
W14	Booster Station Upgrade/Replacement	10,000	2,481	0	7,519
W15	Automation	20,000	21,873	19,891	(1,873)
W16	Rotork Valving	150,000	148,501	148,501	1,499
W17	WTP Pump & Motor Rehab	7,500	19,667	4,424	(12,167)
	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	7,442	7,442	(442)
W23	Broswer 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	5,767	5,767	3,233
W27	Wonderware Systems Platform -WP2 & Collection	10,000	2,400	0	7,600
W28	inHance iRemote for Work Orders	10,000	3,000	3,000	7,000
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	3,451	3,451	(451)
W32	Crystal Reports (software, license, training)	1,000	0	0	1,000
W33	LAN Connections/Communications	5,000	8,572	0	(3,572)
W34	Wireless Communications	1,000	0	0	1,000
W35	Rewire Project/Wire Cabinet	10,000	8,094	4,047	1,906
W36	IVR system	25,000	7,765	5,765	17,235
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	6,285	6,285	8,715
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	47,454	47,454	(2,454)
	Contingency				
W44	Contingency	37,675	14,829	14,829	22,846
	Totals Water	791,175	445,937	365,460	345,238
	CARRYOVER		69,589	41,223	41,223

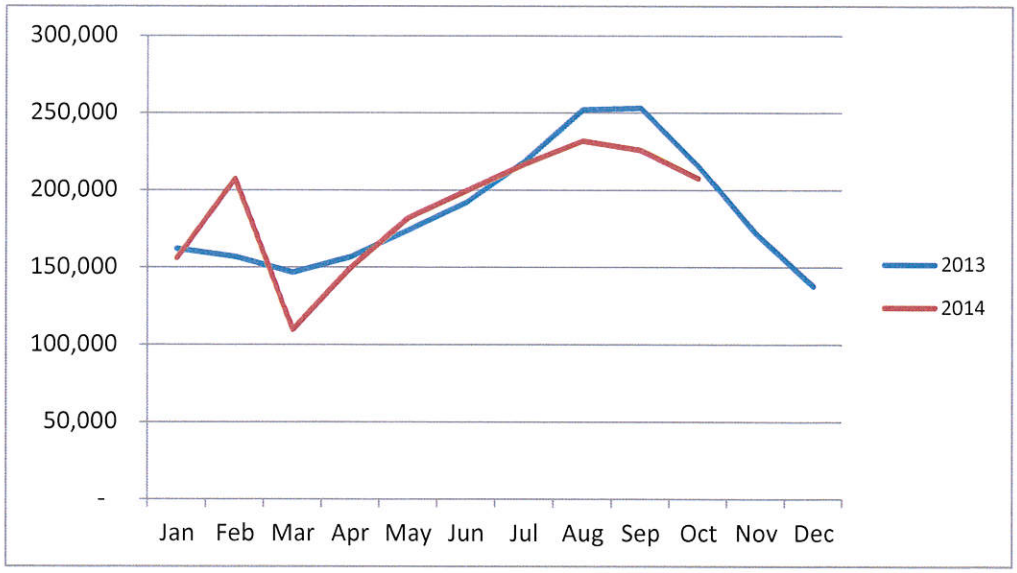
Columbus City Utilities
2014 Actual
Wastewater

10/31/2014

	Project Name	Budget	Committed	Paid	Balance
	Collection				
S1	Third St LS replacement (Design)	150,000	140,215	57,842	9,785
S2	Line Extensions	40,000	2,165	0	37,835
S3	LS Rehabilitations	50,000	23,974	15,188	26,026
S4	Water Hose Replacement for Vactor	2,000	1,661	1,661	339
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	8,956	8,956	2,044
	WWTP Equip and Rehab.				
S8	Garden City WWTP Misc Eqp Replacement:	10,000	19,311	13,036	(9,311)
S9	Haw Creek Headworks/Mariah Misc Eqp Re	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	41,561	24,895	43,439
S13	Southside Odor Control	80,000	5,412	5,412	74,588
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	2,240	2,240	(240)
S19	Webserv Replacement	7,000	4,646	4,646	2,354
S20	Broswer 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	6,302	6,302	2,698
S24	Wonderware Systems Platform -WP2 & Collection	10,000	2,400	0	7,600
S25	inHance iRemote for Work Orders	10,000	4,340	3,000	5,660
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	3,451	3,451	(451)
S29	Crystal Reports (software, license, training)	1,000	0	0	1,000
S30	LAN Connections/Communications	5,000	8,572	0	(3,572)
S31	Wireless Communications	1,000	0	0	1,000
S32	Rewire Project/Wire Cabinet	10,000	8,094	4,047	1,906
S33	IVR system	25,000	4,000	2,000	21,000
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	17,111	17,111	7,889
S41	Mobile Crane 1994 #293	180,000	177,200	0	2,800
S42	Coll - 4WD Pickup 2002 #215	30,000	23,134	23,134	6,866
S43	Coll - TV Truck 2005 #254	250,000	205,531	0	44,469
S44	Admin - SUV 2002 #501	30,000	21,267	21,267	8,733
	Contingency				
S45	Contingency	67,050	80,732	80,732	(13,682)
	Total Wastewater	1,408,050	820,933	303,578	587,117
	CARRYOVER		1,170,816	1,006,684	

Columbus City Utilities
WATER BILLED

	2013	2014
Jan	162,225	155,914
Feb	156,834	207,198
Mar	146,663	109,634
Apr	156,702	149,370
May	174,263	181,888
Jun	192,112	199,299
Jul	218,504	216,653
Aug	252,053	231,746
Sep	253,183	225,739
Oct	215,562	207,475
Nov	172,159	
Dec	137,742	
Totals	2,238,002	1,884,917



	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	17,745	181,888	356,678	1.961
Jun	192,112	367,035	1.911	17043	17,827	199,299	373,732	1.875
Jul	218,504	398,829	1.825	17091	17,875	216,653	399,145	1.842
Aug	252,053	439,208	1.743	17198	17,918	231,746	417,964	1.804
Sep	253,183	447,775	1.769	17214	17,935	225,739	408,213	1.808
Oct	215,562	399,841	1.855	17256	18,005	207,475	388,106	1.871
Nov	172,159	342,774	1.991	17267				#DIV/0!
Dec	137,742	296,114	2.150	17254				#DIV/0!
Totals	2,238,002	4,306,459	1.924	17081	17,784	1,884,917	3,650,034	1.936

Columbus City Utilities
Other Payments
Payments Not Shown on Claims Schedule

Water		
Payroll	91,894.78	1,014,929.57
Health Insurance	21,245.29	200,358.65
Credit Card Fees	2,307.62	22,878.20
Clerk-Treas/Payroll Charges	-	3,600.00
	115,447.69	1,241,766.42
Wastewater		
Payroll	133,979.77	1,503,092.83
Health Insurance	24,466.31	251,362.96
Credit Card Fees	2,307.61	22,878.18
Clerk-Treas/Payroll Charges	-	3,600.00
	160,753.69	1,780,933.97

UTILITY ENGINEERING REPORT
November 2014
Ed Bergsieker
Manager of Engineering

Wastewater Collection

During the month of October, Collection crews responded to 18 possible main blockage calls in which 4 of those calls were actually blocked. An 8" sewer line had to be repaired at 4555 Progress Drive. Crews performed TV inspections at 409 Hope Avenue, 618 Lafayette Avenue, Westbrook Drive, 1745 Pinion Court, 1333 Indiana Avenue, 3575 Jonathan Ridge and 2131 California Street. There were also 5 laterals located as well. There were 5 septic tank issues during the month in which 4 of those required the tanks to be pumped out and another needed the receptacle replaced. Normal daily duties and general maintenance were also performed throughout the month.

Lift station crews had 4 pump issues in October. Pump #2 at Bakalar South had to be pulled and repaired; the pump at Southside had to be pulled and cleaned of debris; Pump #2 at Flatrock Park had to be pulled and repaired; and pump #2 at Centra Credit Union had to be pulled and replaced. Crews installed a new valve box on the lateral and repaired a broken discharge line in the pump pit located at 3054 Pisgah Way. A sump pump, check valve and disconnect had to be replaced at 3105 Pisgah Way. A control fuse had to be replaced at Gropp's, float sensors at 35th Street had to be cleaned and a level sensor had to be replaced at Rockyford Road. Crews cleaned wet wells and bar screens at Walesboro, Flatrock and Southside lift stations. The 7th Street lift station had to be switched over to the new control panel and new pump #1, and crews removed the old equipment. Normal daily duties and general routine maintenance were also performed.

Water Distribution

During the month of October, Distribution crews replaced service lines at 603 California Street, 221 S. Beatty Street, 238 N. Ross Street and 2614 31st Street. Many hours were also required in repairing a main break at 2831 Tulip Drive. Meter pits had to be adjusted to grade at 1108 8th Street as well as at 2810 and 2830 Trillium Way. There were 4 meter pit leaks repaired, 4 meter pit lids replaced and 2 meter pits were damaged and had to be repaired. Crews had to repair/replace water valve boxes at 7440 S. International Drive and at the intersection of 3rd and Brown Street.
There were a total of 34 hydrants serviced this month. Crews performed 3 hydrant flow tests and repaired a leaking hydrant at 3357 Nottingham Drive. A new hydrant was installed at 4260W 200 S.

A total of 47 new 5/8" services were installed in October. There were 3 new 1" services, 3 new 2" services and 1 new 1 ½" service installed as well. Crews changed out a total of 322 meters and replaced them with new radio read meters. Crews also installed a total of 381 new automated meter reading units. Normal daily duties and general maintenance were also performed throughout the month as well.

Engineering

The Engineering department did 26 tap inspections and 1006 line locations in October. Our Engineering department continues to stay busy with the increased subdivision development with 6 different developments in some stage of construction. We have one development to present for final acceptance, with Westbrook Section 2 on the agenda this month. Staff attended meetings of the Bartholomew County Utility Coordinating Committee.

GRW is continuing in designing the Stadler Lift Station and Sanitary Sewer Extensions Project. Coordination with INDOT and their specific requirements when constructing in their right-of-way is a process that takes time. We want to be as specific in detail as we can in the construction plans so as to avoid change orders in the future.

We continue to coordinate with developers in the design of subdivision development. Utility corridors for all utility improvements continue to be a challenge, but we believe through our efforts, we have developed guidelines to improve the construction of water and wastewater facilities.

Water Treatment Plant

In our October 2014 safety meeting, we focused on three (3) topics. They included: 1) reviewing Material Safety Data Sheets *(MSDS)* for Alkaline Cyanide Reagent, 2) safety lessons from AWWA's 52-Week "Let's Talk Safety" manual, and 3) discussing potential safety issues, planned work assignments, and project schedules within our department.

First was review of the MSDS for Alkaline Cyanide Reagent in order to meet our goal of compliance with CCU's Hazard Communication Plan ("HCP"). We use Alkaline Cyanide Reagent in process control testing for manganese removal. MSDSs were provided to everyone and explained information from each category of the MSDS. Some of the categories explained included Hazard Identification, First Aid Measures, and Personal Protective Equipment (PPE) for exposure control. Second, staff members read safety topics from AWWA's 52-Week Safety Manual including "An Open and Shut Case for Gate Valve Safety" and "Hand Grinder Safety". Staff engaged in conversation concerning both topics. Third, we discussed new and pending safety concerns, planned work assignments, and project schedules. Work assignments focused mainly on the newly created "Lead Operator" role and its rotating schedule based on stand-by duty operators. Project schedules focused on contracted vendor activities and staff priorities relative to vendor work. Vendor activities for October included 1) washing out tanks 4 and 5 and painting boosters stations. Staff was expected to finish valve rebuilding at both stations prior to painting and to coordinate their efforts to accommodate tank wash out schedules.

SCADAware operating software is installed and functional. We will continue over the course of the next few months to tweak the system to improve its interface to our operations.

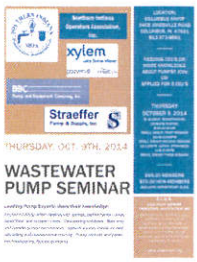
We continued our 2014 Well Maintenance Plan, having cleaned all scheduled wells. Replacing well equipment is underway with scheduling for installing new water meters at Wells 9, 10, and 11 at WP2, and installing conduits and electrical wire from vault to pedestal.

Staff has stayed very busy with projects ranging from electrical analysis on Well No. 6 power supply and motor; electrical analysis on HSP No. 1 at Water Treatment Plant #2; rebuilding, re-plumbing, and testing all six (6) CLA valves at both booster stations; installing a new air compressor, electric supply, airlines, and hose reel; fabricating and building a welding table; and attending NRWA – Webinar titled "Stage 2 Disinfectants and Disinfection Byproducts Rule".

WASTEWATER OPERATIONS REPORT
November 2014
Garry Pugh
Manager of Wastewater Operations

Wastewater Treatment Plant (WWTP) personnel began processing solids for the fall 2014 land application season. Land application will begin on the Forster Farm located southeast of the WWTP and then move to the Daffron Farm located east of Columbus.

The Wastewater Treatment Plant hosted a training seminar on October 9th that included pump repair, electrical troubleshooting and pump hydraulics.

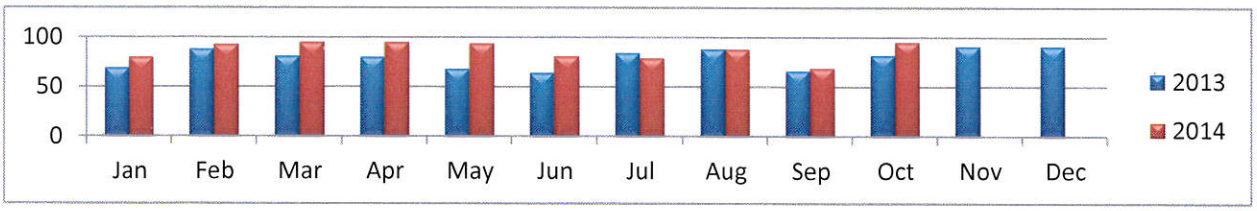


Pump Seminar

Daffron Farm

Forster Farm

WWTP maintenance pulled the auger from Grit Classifier #1 for repairs.



The WWTP achieved 95% Biological Phosphorus during October.

The plant maintenance department installed a new motor on a heating unit for building # 35 and placed in service.

The ultra violet lights were turned off due to the 2014 disinfection season ending on November 1st. The ultra violet lights will be removed from the channels, cleaned and stored for winter during early November.

The wastewater treatment plant will begin operating under the National Pollutant Discharge Elimination System Permit (NPDES) winter limits beginning December 1st.

Several members of the Quality Control Department attended an AWWA webinar regarding Ebola in drinking water and wastewater treatment. Basically the Ebola virus cannot live on surfaces outside the body. General PPE equipment used in conjunction with daily activities in wastewater treatment is recommended.

Some utilities are requiring pretreatment of hospital waste. The panel of speakers for this webinar said this step was most likely unnecessary, however, more data needed to be collected regarding pretreatment of waste originating from a patient with the symptoms of Ebola.

Work continued in regard to odor reduction of the Southside lift station. We are now treating both the 46W lift station and the Walesboro lift station. Treatment had been solely at 46W station. The dosage was divided equally and results thus far have been favorable.

Victory Landfill delivered 45,531 gallons of leachate to the WWTP in October.

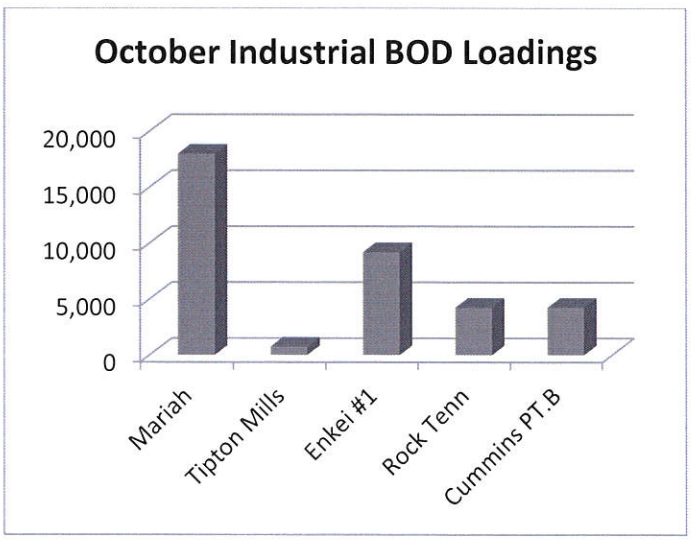
Rose Acres delivered 32,873 gallons of softener water to the WWTP in October.

Sycamore Ridge Landfill delivered 63,481 gallons of leachate to the WWTP in October.

Pretreatment

Sampling was conducted at PMG Indiana Corporation, Cummins Fuel Systems Plant End of Pipe, Columbus Container, Griffin Industries, Cummins Technical Center, Itsuwa USA, and the Bartholomew County Landfill. Sampling was also conducted of the Victory and Sycamore Ridge Landfills leachate that is trucked to the WWTP. Various industrial locations were sampled and/or spot-checked. Industrial flow meter readings were taken on October 1st and October 8th.

The total BOD loading on the WWTP in October was 280,633 pounds. This was higher than the previous month due to higher flow and higher concentration. The following graph depicts the BOD contributions from several industries.



Another round of five samples was collected from Cummins Fuel Systems Plant (CFSP) during the week of September 22nd. Three of the five samples exceeded the copper limit. These were the first copper violations since May 6th. A LOV was issued on October 20th. CFSP conducted an investigation in an attempt to identify the cause of the violations. In the LOV response, CFSP found that facilities personnel were dismantling steam boilers during the sampling event. Debris from the dismantling may have entered an unprotected sink and floor drain. The age of the boilers and copper buildup in the related piping led them to the conclusion that the boiler removal process was the likely cause of the copper violations. CFSP and the CCU collected samples on October 16th and 17th and the copper concentrations were well below the limit. Further sampling will be conducted to confirm that this was a one-time occurrence. CFSP has pledged to emphasize that all involved are aware of drain locations and contamination possibilities in all future construction activities.

Pretreatment staff contacted Hoosier Tool & Die (HTD) to check on the progress of the treated mop water discharge. The owner of the facility indicated that the totes that had been accumulated in the past were disposed of through a licensed waste hauler. HTD is in the process of accumulating a tote of mop water and will treat it and inform pretreatment staff when it is ready for discharge.

Columbus Container notified pretreatment staff that they are considering treating starch clean-up water rather than reusing it in the adhesive making process. They are currently just treating ink clean-up water. They are concerned about the possible effect on the BOD concentration in the discharge. Currently the BOD concentration is well below the surcharge level. Pretreatment staff advised them to conduct jar testing to determine the best treatment regimen. The main concern is that treating the starch does not have a negative effect on metals removal. This project will probably not move forward until December.

IDEM informed the CCU that there will be a numerical copper limit in the new NPDES Permit. Pretreatment staff will be involved in a study to identify the various sources of copper throughout the city.

Annual pretreatment inspections were conducted at Cummins Midrange Engine Plant, Toyota Industrial Equipment Manufacturing, Rightway Fasteners, NTN Driveshaft, RockTenn CP LLC, Itsuwa USA, and Mariah Foods.

The third 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 October 20th for the semi-annual Whole Effluent Toxicity (Biomonitoring) requirement.

Laboratory

Biomonitoring was performed 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.

OCTOBER 2014 TOTAL TEST COUNT	
Analytes	**# of Tests**
Alkalinity	0
Amenable Cyanide	4
Ammonia Nitrogen	148
Bacteriological	220
Balance Check	33
Biochemical Oxygen Demand	719
Chlorine Residual	118
Conductivity/TDS	21
Dissolved Oxygen	27
E.coli	76
Fecals	7
Fluoride	116
Fume Hoods	19
Haloacetic Acids	4
Hardness	0
Heavy Metals	825
IOC's	0
Iron	0
Manganese	4
Nitrates	20
Oil & Grease	4
PCB's	0
Pesticides	0
pH	121
Phthalates	0
Potassium	0
Settleable Solids	5
Sulfides	44
Sulfates	10
SOC's	0

SVOC's	0
Temperature	257
TKN	2
Total Cyanide	2
Total Phosphorus	75
Total Solids	3
Total Suspended Solids	176
Total Trihalomethanes	4
Total Volatile Solids	0
Turbidity	8
UCMR3	0
VOC's	0
Volatile Suspended Solids	0
Flatrock-Haw Creek BOD	2
Flatrock-Haw Creek Nitrate	2
Flatrock-Haw Creek Total Phosphorus	2
TENA- Ammonia	15
TENA- Bacterialogical	6
TENA- BOD	20
TENA- E.coli	10
TENA-Nitrate	2
TENA- Total Suspended Solids	30
Industrial- Ammonia	9
Industrial- BOD	14
Industrial- Metals	9
Industrial- Total Phosphorus	9
Industrial- Total Suspended Solids	9
Industrial-pH	0
Industrial- Oil & Grease	1
Swimming Pools	0
Grand Total	**3212**

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

IURC - The IURC has denied our appeal and we must now make reimbursements to all customers who were charged more than the previous IURC approved disconnection fee of $5.00 over the past one year. It's our intent to credit the bills of the 850 affected customers in December and have more detail available if, and when questions arise.

NPDES Permit - Garry, Randy and I have been working on the submission of our application for the next NPDES wastewater discharge permit. As of this writing, IDEM has issued the draft permit, and the comment period is open until December 5, 2014. The good news at this juncture is that the phosphorus limits will not take effect until the end of this five year permit cycle. The less than good news is that we have been given a new copper limitation that will take effect somewhere between one and a half and three years from now, depending on what we can discover during the testing phase we requested. We're still reviewing the permit to see if we wish to make further comments.

Building Issues - Garry and the Safety Committee have been investigating and working to correct problems we are having with grit and dust in the ductwork of the field services area of our Service Center building. Over the past twenty eight years, grit has accumulated in the rear fan coil units and there is concern that mold is growing in some of the units as well. We have contracted to perform some initial cleaning and are now going to test some of the areas of higher concern. It is likely that additional costs will be incurred to remedy the issue.

Financial Plan - The CCU financial plan for 2015 is on the agenda for the November 18th meeting of the City Council as a discussion item. If all goes as planned, the City Council will vote to approve the financial plan at its December 2nd meeting.

November becomes a busy time around the department, if only because of the number of (important) conferences and meeting that seem to get scheduled during this month. Dale will not be at our meeting this month because he and two others will be attending the Harris Software conference. Ed, Garry and I will be attending the Indiana Water Environment Association conference the day before and the day after our Board meeting, and all supervisors will be attending training the morning of our Board meeting on performance evaluations that was arranged by the City Human Resources Department.