

**FINANCE & BUSINESS REPORT**  
**September 2015**  
**Dale Langferman**  
**Manager of Finance & Business Operations**

Income and expenses continue to compare favorable to the annual plan. Variances are less than 2% and favorable. Cash balances are currently favorable in water, but unfavorable for wastewater. Water cash totals should increase by year-end. The detail may show more cash in depreciation and slightly less in operating. Wastewater cash should be at a "break-even" point for the year, less any large payments on the Stadler Lift Station project. Wastewater is currently 2 million dollars down for the year due to debt payments, but we should make that up by year-end.

We are working on the 2016 budget which will be presented at the meeting this month. We will ask for board approval at the October meeting.

Water Income Comparison						
Y T D as of 8/31/2015						
	2015 Plan	2014 Actual	2015 Actual	2014 Act. Vs 2015 Act. Diff	2015 Plan vs 2015 Actual Diff	Fav/(unfav)
Residential	\$ 1,479,000	\$ 1,475,739	\$ 1,446,304	\$ (29,435)	\$ (32,696)	-2.2%
Industrial	\$ 489,000	\$ 488,054	\$ 497,874	\$ 9,820	\$ 8,874	1.8%
Fire Prot.	\$ 447,200	\$ 459,609	\$ 451,617	\$ (7,992)	\$ 4,417	1.0%
Commercial	\$ 263,000	\$ 248,441	\$ 258,297	\$ 9,856	\$ (4,703)	-1.8%
Spec. Contr.	\$ 133,000	\$ 132,869	\$ 142,904	\$ 10,035	\$ 9,904	7.4%
Other	\$ 310,802	\$ 289,215	\$ 384,541	\$ 95,326	\$ 73,739	23.7%
<b>Total</b>	<b>\$ 3,122,002</b>	<b>\$ 3,093,927</b>	<b>\$ 3,181,537</b>	<b>\$ 87,610</b>	<b>\$ 59,535</b>	<b>1.9%</b>

Figure 1a: Water Income Table

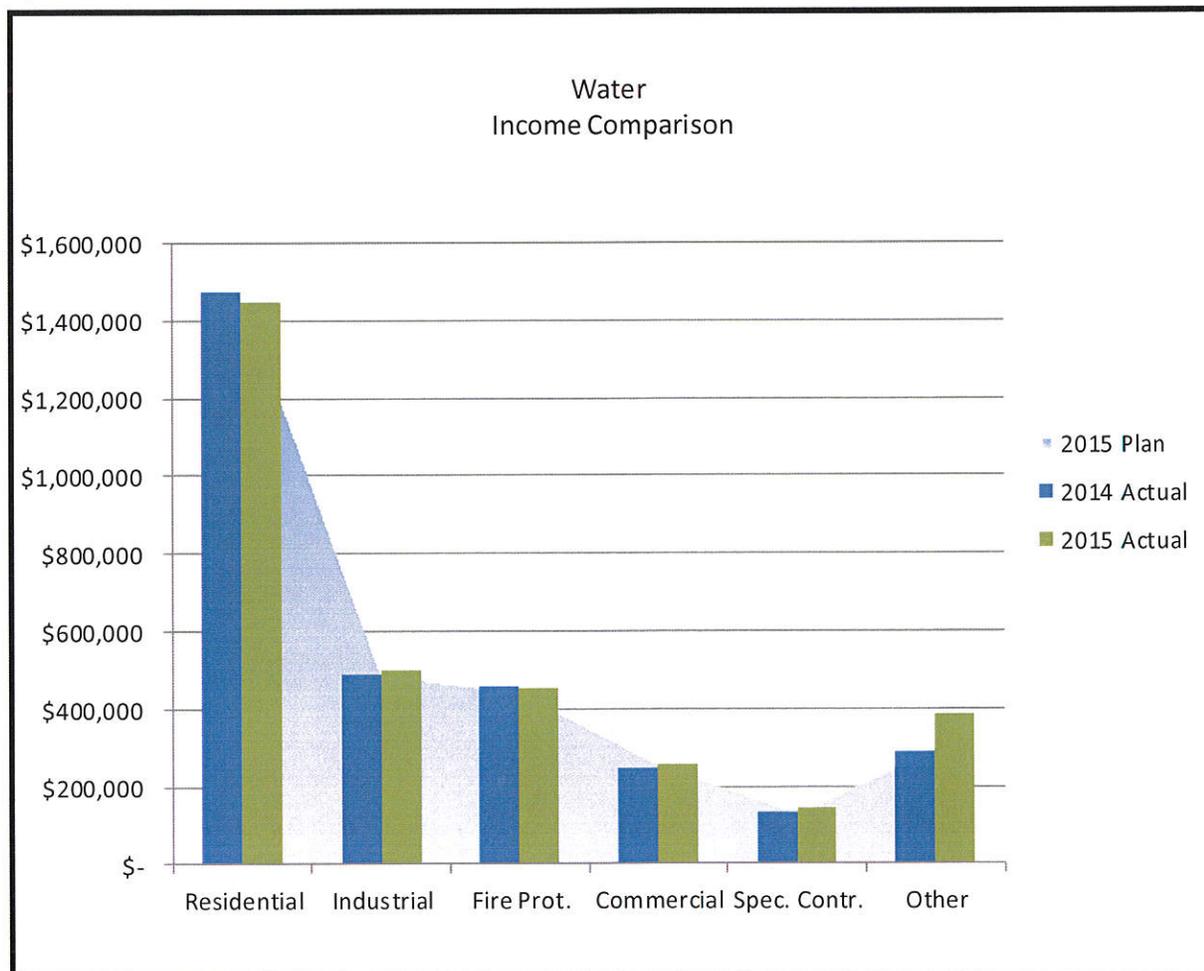


Figure 1b: Water Income Chart

Wastewater Income Comparison							
Y T D as of 8/31/2015							
	2015 Plan	2014 Actual	2015 Actual	2014 Act. Vs	2015 Plan vs		
				2015 Act.	Diff	2015 Actual	Fav/(unfav)
				Diff	Diff		
Residential	\$ 4,428,000	\$ 4,388,821	\$ 4,397,270	\$ 8,449	\$ (30,730)		-0.7%
Industrial	\$ 1,537,105	\$ 1,580,739	\$ 1,637,803	\$ 57,064	\$ 100,698		6.6%
Commercial	\$ 852,000	\$ 836,507	\$ 832,217	\$ (4,290)	\$ (19,783)		-2.3%
Spec. Contr.	\$ 328,000	\$ 327,466	\$ 369,663	\$ 42,197	\$ 41,663		12.7%
Other	\$ 359,504	\$ 355,581	\$ 385,073	\$ 29,492	\$ 25,569		7.1%
<b>Total</b>	<b>\$ 7,504,609</b>	<b>\$ 7,489,114</b>	<b>\$ 7,622,026</b>	<b>\$ 132,912</b>	<b>\$ 117,417</b>		<b>1.6%</b>

Figure 2a: Wastewater Income Table

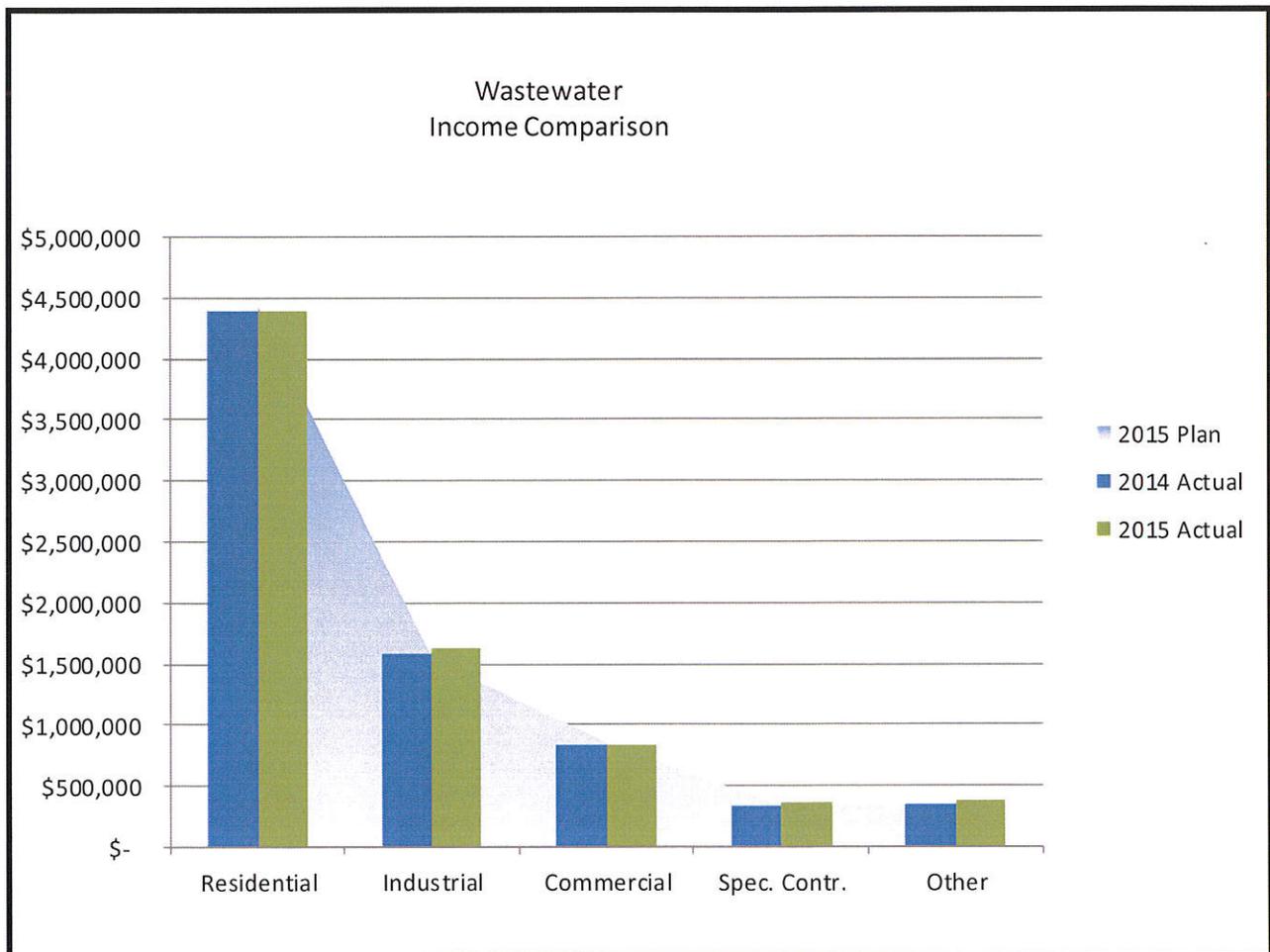


Figure 2b: Wastewater Income Chart

Water Expense Comparison							
Y T D as of 08/31/15							
	2015 Plan	2014 Actual	2015 Actual	2014 Act. Vs 2015 Act. Diff	2015 Plan vs 2015 Actual Diff	Fav/(unfav)	
Personnel	\$ 1,028,520	\$ 991,494	\$ 1,035,574	\$ (44,080)	\$ (7,054)	-0.7%	
Supplies	\$ 488,890	\$ 392,041	\$ 419,131	\$ (27,090)	\$ 69,759	14.3%	
Utilities	\$ 360,946	\$ 365,068	\$ 350,434	\$ 14,634	\$ 10,512	2.9%	
Maintenance	\$ 255,054	\$ 242,472	\$ 262,815	\$ (20,343)	\$ (7,761)	-3.0%	
Other	\$ 254,548	\$ 231,199	\$ 270,354	\$ (39,155)	\$ (15,806)	-6.2%	
Depreciation	\$ 656,640	\$ 643,864	\$ 656,640	\$ (12,776)	\$ -	0.0%	
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	
<b>Total</b>	<b>\$ 3,044,598</b>	<b>\$ 2,866,138</b>	<b>\$ 2,994,948</b>	<b>\$ (128,810)</b>	<b>\$ 49,650</b>	<b>1.6%</b>	

Figure 3a: Water Expense Table

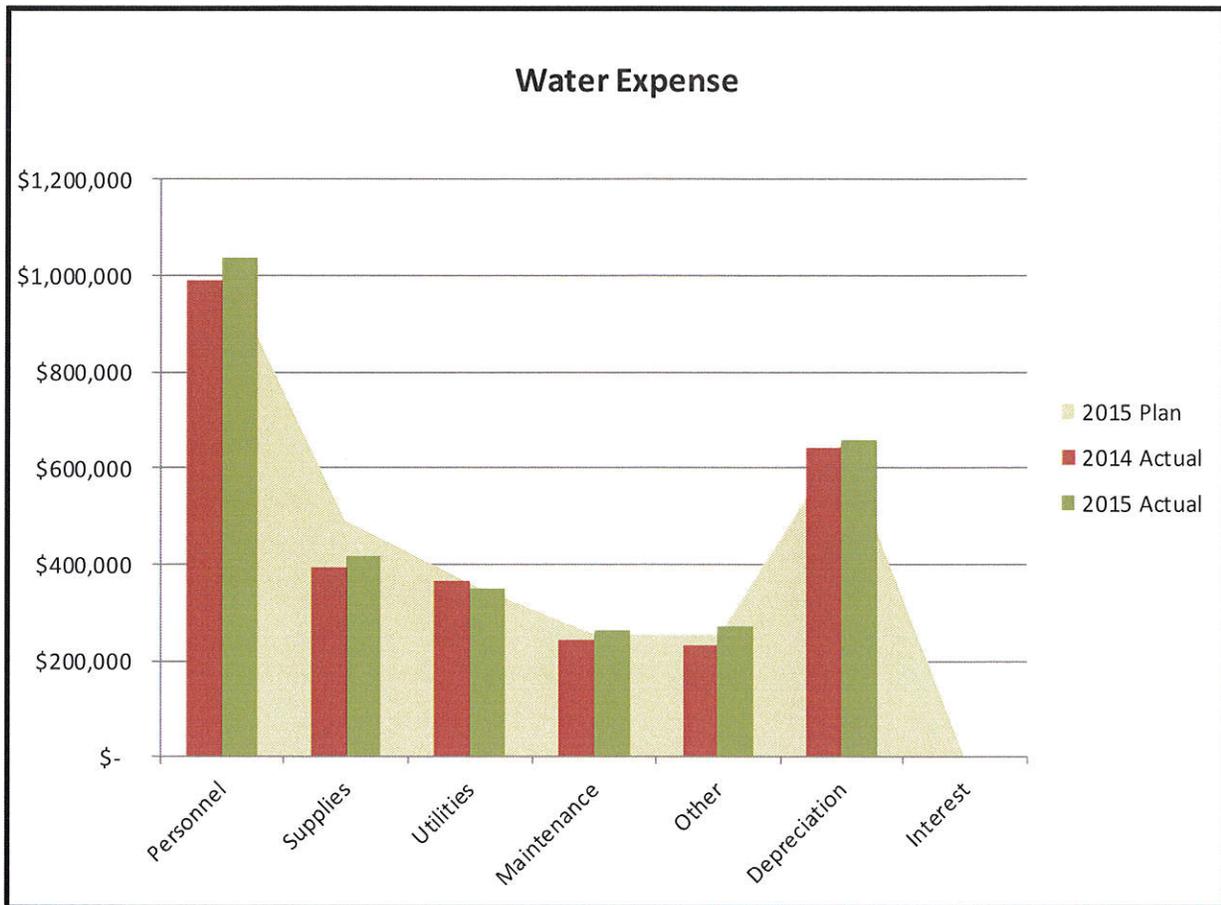


Figure 3b: Water Expense Chart

Wastewater Expense Comparison						
Y T D as of 08/31/15						
	2015 Plan	2014 Actual	2015 Actual	2014 Act. Vs	2015 Plan vs	
				2015 Act.	2015 Actual	Fav/(unfav)
				Diff	Diff	
Personnel	\$ 1,472,429	\$ 1,438,492	\$ 1,405,842	\$ 32,650	\$ 66,587	4.5%
Supplies	\$ 229,849	\$ 184,548	\$ 211,550	\$ (27,002)	\$ 18,299	8.0%
Utilities	\$ 535,356	\$ 556,472	\$ 662,602	\$ (106,130)	\$ (127,246)	-23.8%
Maintenance	\$ 120,701	\$ 89,174	\$ 109,981	\$ (20,807)	\$ 10,720	8.9%
Other	\$ 443,972	\$ 481,145	\$ 392,017	\$ 89,128	\$ 51,955	11.7%
Depreciation	\$ 2,025,784	\$ 2,074,048	\$ 2,025,784	\$ 48,264	\$ -	0.0%
Interest	\$ 1,313,233	\$ 1,388,697	\$ 1,338,347	\$ 50,350	\$ (25,114)	-1.9%
<b>Total</b>	<b>\$ 6,141,323</b>	<b>\$ 6,212,576</b>	<b>\$ 6,146,123</b>	<b>\$ 66,453</b>	<b>\$ (4,800)</b>	<b>-0.1%</b>

Figure 4a: Wastewater Expense Table

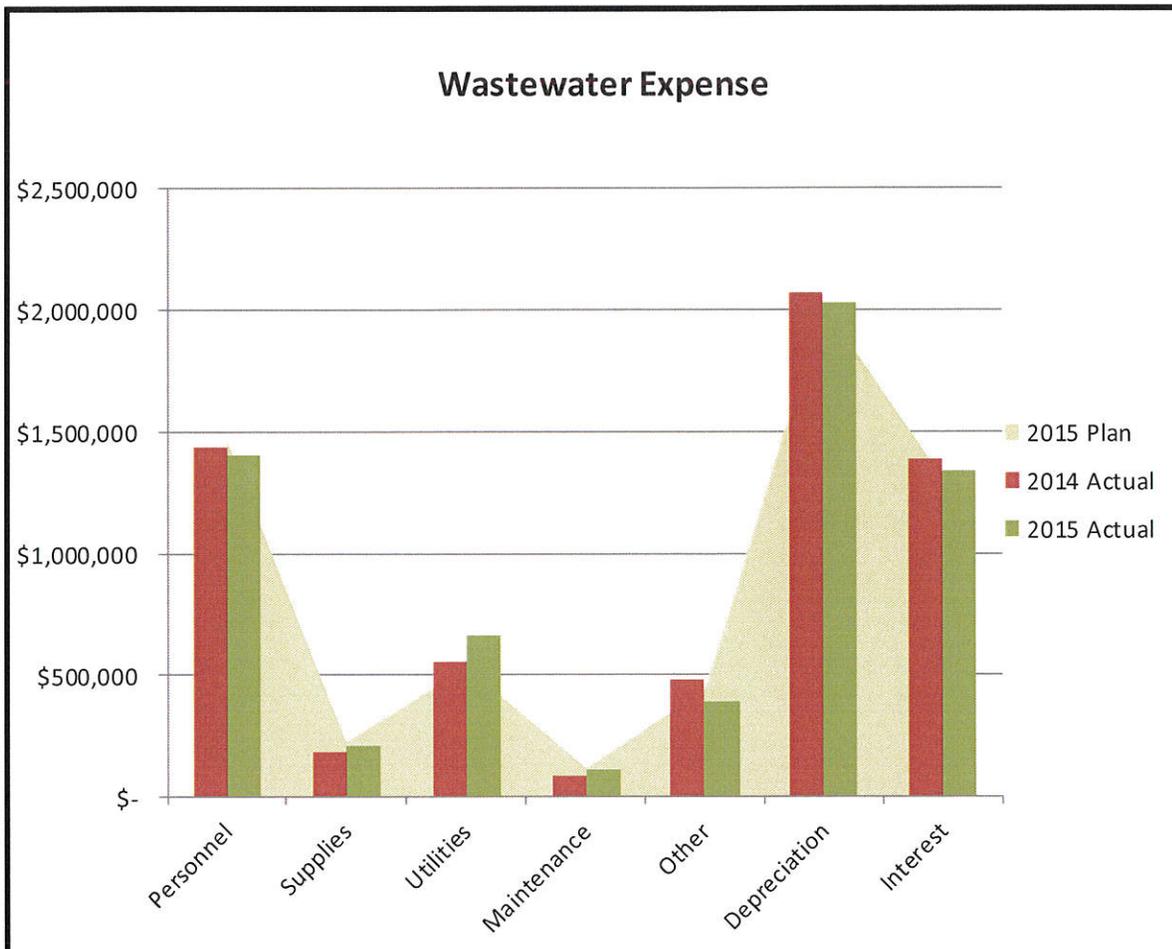


Figure 4b: Wastewater Expense Chart

Cash Analysis 2015		
	Water	Sewer
Beginning Cash 1/1/15		
Oper	1,903,424.67	1,971,463.72
Deposits	110,900.72	189,003.47
Bond Reserve		3,767,062.00
B & I		4,014,936.33
Depreciation	2,661,134.79	7,616,441.61
<b>Beg Balance</b>	<b>4,675,460.18</b>	<b>17,558,907.13</b>
Income	3,398,416.56	7,607,370.58
Operating Expense	(2,685,622.33)	(2,836,443.43)
Capital Expenditures	(287,317.65)	(684,990.02)
Debt Payments		(6,380,312.83)
Other (Inc)/Exp	(75,869.33)	113,767.47
	<b>5,025,067.43</b>	<b>15,378,298.90</b>
Ending Cash 8/31/15		
Oper	1,882,569.51	2,219,750.94
Deposits	111,776.28	216,124.28
Bond Res	-	3,677,062.00
B & I	-	1,979,387.03
Depreciation	3,030,721.64	7,285,974.65
<b>End Balance</b>	<b>5,025,067.43</b>	<b>15,378,298.90</b>
<b>Net Change in Cash</b>	<b>349,607.25</b>	<b>(2,180,608.23)</b>

Figure 5a: Cash Analysis Table

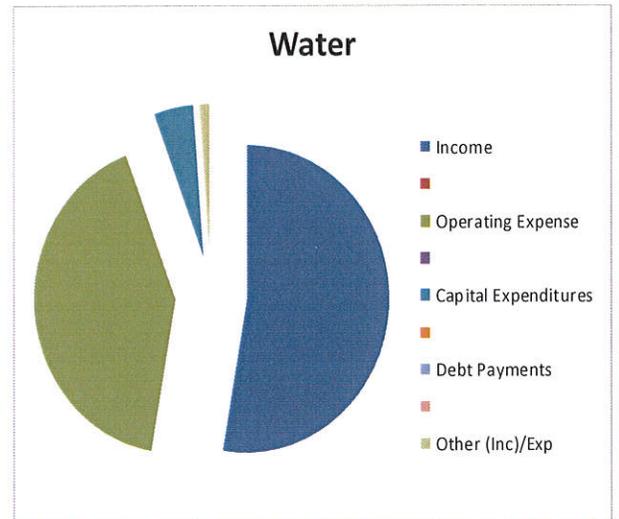


Figure 5b: Water Cash Chart

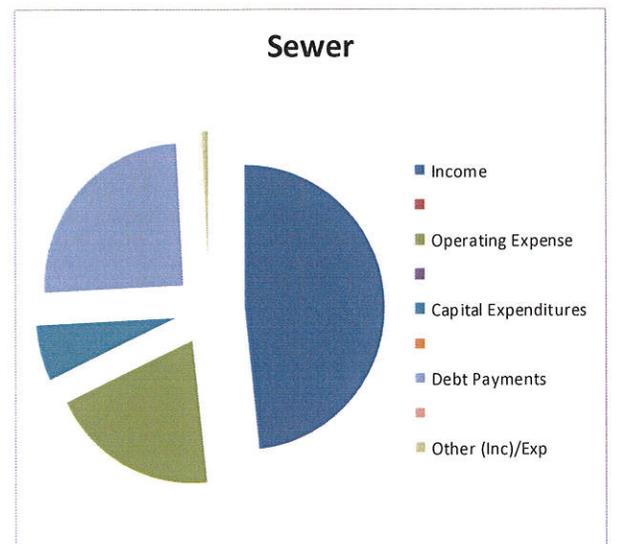


Figure 5c: Sewer Cash Chart

**COLUMBUS CITY UTILITIES  
INVESTMENTS  
August 30, 2015**

Money Market Rate 0.25%

<u>WATER UTILITY</u> <u>Funds</u>	<u>AMOUNT</u>	<u>BANK</u>	<u>TERM</u>	<u>RATE</u>	<u>MATURITY</u> <u>DATE</u>
Operating	\$ 500,000	Main Sour.	282 Days	0.46%	12/16/2015
	\$ 500,000	Main Sour.	372 Days	0.57%	3/16/2016
Deposits	\$ 83,000	Main Sour.	372 Days	0.57%	3/16/2016
Depreciation	\$ 500,000	Main Sour.	191 Days	0.41%	9/16/2015
	\$ 700,000	Main Sour.	282 Days	0.46%	12/16/2015
	\$ 1,000,000	Main Sour.	372 Days	0.57%	3/16/2016
Total Water Utility	\$ 3,283,000				

<u>WASTEWATER UTILITY</u> <u>Fund</u>	<u>AMOUNT</u>	<u>BANK</u>	<u>TERM</u>	<u>RATE</u>	<u>MATURITY</u> <u>DATE</u>
Operating	\$ 500,000	Main Sour.	372 Days	0.57%	3/16/2016
	\$ 500,000	Main Sour.	181 Days	0.43%	12/16/2015
Deposits	\$ 144,000	Main Sour.	372 Days	0.57%	3/16/2016
Bond Reserve	\$ 3,677,062	5th 3rd	732 Days	0.93%	8/12/2016
Bond & Interest	\$ 1,179,000	Main Sour.	182 Days	0.45%	2/10/2016
	\$ 800,000	Main Sour.	237 Days	0.46%	2/10/2016
Depreciation	\$ 1,200,000	Main Sour.	216 Days	0.45%	1/20/2016
	\$ 1,500,000	Main Sour.	191 Days	0.41%	9/16/2015
	\$ 1,000,000	Main Sour.	282 Days	0.46%	12/16/2015
	\$ 2,500,000	Main Sour.	372 Days	0.57%	3/16/2016
Total Wastewater Utility	\$ 13,000,062				

GRAND TOTAL \$ 16,283,062

\$ 1,500,000	Main Sour.	100 Days	0.34%	6/17/2015
\$ 600,000	Main Sour.	154 Days	0.37%	8/10/2015
\$ 2,000,000	Main Sour.	191 Days	0.41%	9/16/2015
\$ 2,200,000	Main Sour.	282 Days	0.46%	12/16/2015
\$ 4,727,000	Main Sour.	372 Days	0.57%	3/16/2016
\$ 3,677,062	5th 3rd	732 Days	0.93%	8/12/2016

GRAND TOTAL \$ 14,704,062

**Columbus City Utilities**  
**2015 Actual**  
**Water**

8/31/2015

	<b>Project Name</b>	<b>Budget</b>	<b>Committed</b>	<b>Paid</b>	<b>Balance</b>
<b>Distribution</b>					
W 1	Line Extensions/Relocations	10,000	9,876	9,876	124
W 2	4th Street Water Upgrade	135,000	0	0	135,000
W 3	Valve Replacement	10,000	21,580	21,580	-11,580
W 4	Tap Machines	5,000	0	0	5,000
W 5	Locators	6,000	0	0	6,000
W 6	Vacuum Excavator	150,000	0	0	150,000
W 7	Ductile Pipe Chainsaw	3,000	0	0	3,000
W 8	Leak Detection Equipment	20,000	17,432	0	2,568
<b>WTP</b>					
W 9	Seal Coat & Restripe Plant #2 Par	6,000	4,729	4,729	1,271
W 10	Valves and Piping	45,000	43,695	41,673	1,305
W 11	Paint Plant Facilities	60,000	43,138	17,419	16,862
W 12	Concrete Rehab/ Brick Rehab	15,000	9,536	0	5,464
W 13	Metering Upgrades	30,000	32,471	32,471	-2,471
W 14	Rehab Wells @ WTP#2	50,000	27,728	10,234	22,272
W 15	Water Vendor	20,000	805	805	19,195
W 16	Chem Feed Equip Replacement	20,000	22,133	16,777	-2,133
W 17	Well Abandonment	3,000	5,880	5,880	-2,880
W 18	Pump & Motor Rehab	20,000	30,852	30,852	-10,852
<b>Engineering</b>					
W 19	Operational Equip replacement	2,500	0	0	2,500
<b>Information Systems</b>					
W 20	Servers	14,000	11,120	4,520	2,880
W 21	PC'S, Printers & Other Hardware	27,000	12,456	11,165	14,544
W 22	Major System Upgrades	3,000	2,856	2,856	144
W 23	Communications	12,000	1,119	1,119	10,881
W 24	Conference Room Upgrades	6,000	6,562	3,204	-562
W 25	Engineering Copier	6,000	12,952	0	-6,952
W 26	Software	9,000	6,273	6,273	2,727
W 27	Fiber to WTP #1	7,000	0	0	7,000
<b>Quality Control</b>					
W 28	Specific Ion Meter	5,000	0	0	5,000
W 29	Safety and Training Equipment	5,000	0	0	5,000
<b>Vehicles</b>					
W 30	Dist Service Body 20 120	30,000	27,043	0	2,957
W 31	Dist Service Body 20 122	45,000	37,380	0	7,620
W 32	<b>Contingency(10%)</b>	80,000	44,090	39,514	35,910
<b>Totals</b>		<b>859,500</b>	<b>431,706</b>	<b>260,947</b>	<b>427,794</b>
<b>CARRYOVER</b>			<b>38,903</b>	<b>34,611</b>	<b>4,292</b>

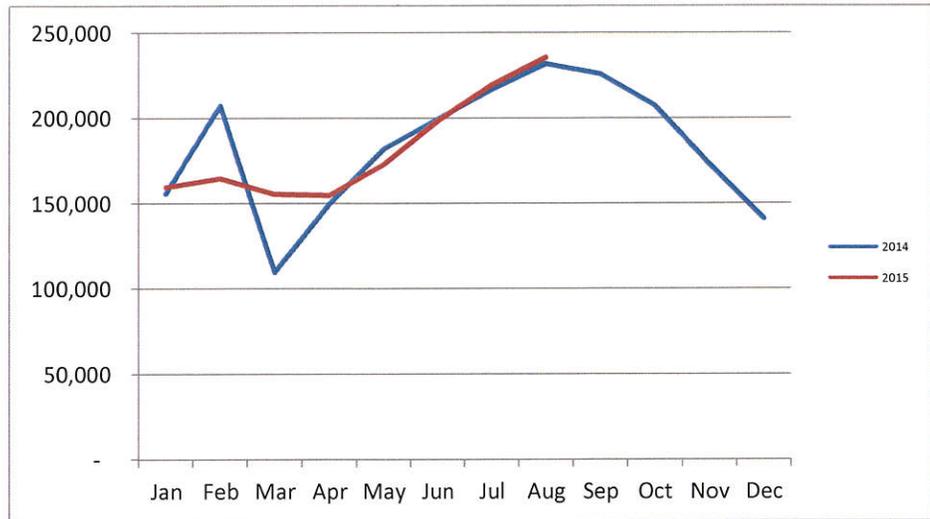
**Columbus City Utilities**  
**2015 Actual**  
**Wastewater**

8/30/2015

	<b>Project Name</b>	<b>Budget</b>	<b>Committed</b>	<b>Paid</b>	<b>Balance</b>
<b>WWTP Equip and Rehab</b>					
S 1	Disc Aerator Rehab	17,000	680	680	16,320
S 2	Safety Equipment and Improvements	2,000	0	0	2,000
S 3	Garden City WWTP Misc Equip Replacements	10,000	17,812	12,032	(7,812)
S 4	Haw Creek Headworks/Mariah Misc Equip Replace	10,000	29,904	27,159	(19,904)
<b>Engineering</b>					
S 5	Operational Equip Replacement	2,500	0	0	2,500
S 6	Seal Coat & Restripe Parking Lot	15,000	14,439	14,439	561
S 7	Stadler(3rd St) Lift Station	3,000,000	2,929,830	124,382	70,170
<b>Administration</b>					
S 8	Replace Office Furniture	10,000	4,779	2,110	5,221
S 9	Windows	2,000	0	0	2,000
S 10	Sealcoat Exterior of Service Center	20,000	19,458	19,458	542
S 11	HVAC Corrections	60,000	66,705	66,705	(6,705)
<b>Information Systems</b>					
S 12	Servers	14,000	11,113	4,513	2,887
S 13	PC'S, Printers & Other Hardware	27,000	12,877	11,076	14,123
S 14	Major System Upgrades	11,000	2,856	2,856	8,144
S 15	Communications	12,000	1,119	1,119	10,881
S 16	Board Room Upgrades	6,000	365	365	5,635
S 17	WWTP Training Room Upgrades	7,000	7,086	7,086	(86)
S 18	Engineering Copier	6,000	0	0	6,000
S 19	Software	9,000	6,273	6,273	2,727
<b>Collection</b>					
S 20	Line Extensions	40,000	46,670	46,670	(6,670)
S 21	Sewer Relining/Joint Repair	500,000	382,667	80	117,333
S 22	LS Rehabilitations	50,000	22,559	21,026	27,441
S 23	Water Hose Replacement for Jet	2,000	0	0	2,000
S 24	Pipe Locator with Sonde	3,000	4,043	4,043	(1,043)
S 25	Root Saw Kit	3,500	0	0	3,500
<b>Quality Control</b>					
S 26	Rehab Back-up Chiller	7,000	0	0	7,000
S 27	DO Meter	2,500	0	0	2,500
S 28	Safety Equipment	5,000	0	0	5,000
<b>Vehicles</b>					
S 29	Engr - Light Van      2007      303	25,000	22,778	22,778	2,222
S 30	<b>Contingency(10%)</b>	88,550	81,269	9,270	7,281
Totals		3,967,050	3,685,282	404,120	281,768
CARRYOVER			501,798	319,816	181,982

**Columbus City Utilities  
WATER BILLED**

	<u>2014</u>	<u>2015</u>
Jan	155,914	159,496
Feb	207,198	164,680
Mar	109,634	155,430
Apr	149,370	154,682
May	181,888	172,933
Jun	199,299	198,429
Jul	216,653	219,451
Aug	231,746	235,505
Sep	225,739	
Oct	207,475	
Nov	172,635	
Dec	141,082	
<b>Totals</b>	<b>2,198,633</b>	<b>1,460,607</b>



	<u>2014</u>			<b>Billed</b>		<u>2015</u>		
	<b>Gallons</b>	<b>Dollars</b>	<b>\$/Gal.</b>	<b># of Accts</b>	<b># of Accts</b>	<b>Gallons</b>	<b>Dollars</b>	<b>\$/Gal.</b>
Jan	155,914	331,460	2.126	17,619	18,088	159,496	330,552	2.072
Feb	207,198	388,376	1.874	17615	18,089	164,680	332,346	2.018
Mar	109,634	273,594	2.496	17648	18,121	155,430	323,234	2.080
Apr	149,370	312,766	2.094	17648	18,125	154,682	318,983	2.062
May	181,888	356,678	1.961	17745	18,208	172,933	342,147	1.979
Jun	199,299	373,732	1.875	17827	18,241	198,429	376,063	1.895
Jul	216,653	399,145	1.842	17875	18,321	219,451	401,006	1.827
Aug	231,746	417,964	1.804	17918	18,314	235,505	417,910	1.775
Sep	225,739	408,213	1.808	17935				#DIV/0!
Oct	207,475	388,106	1.871	18005				#DIV/0!
Nov	172,635	341,107	1.976	18174				#DIV/0!
Dec	141,082	303,404	2.151	18040				#DIV/0!
<b>Totals</b>	<b>2,198,633</b>	<b>4,294,545</b>	<b>1.953</b>	<b>17837</b>	<b>18,188</b>	<b>1,460,607</b>	<b>2,842,241</b>	<b>1.946</b>

**Columbus City Utilities**  
**Other Payments**  
**Payments Not Shown on Claims Schedule**

	<b>Water</b>	
Payroll	89,563.64	851,325.25
Health Insurance	20,963.86	174,895.53
Credit Card Fees	4,457.78	31,999.96
Clerk-Treas/Payroll Charges	-	-
	114,985.28	1,058,220.74
	<b>Wastewater</b>	
Payroll	130,672.34	1,222,094.86
Health Insurance	21,628.40	176,017.63
Credit Card Fees	4,457.77	31,999.93
Clerk-Treas/Payroll Charges	-	-
	156,758.51	1,430,112.42

**UTILITY ENGINEERING REPORT**  
**September 2015**  
**Ed Bergsieker**  
**Manager of Engineering**

**Wastewater Collection**

During the month of August, Collection crews responded to 18 possible main blockage calls in which eight of those calls were actually blocked at the city main. Crews repaired a sewer main at 1522 Ruddick Avenue, a force main at 3055 S Pisgah Way and a lateral at Clifty lift station. Crews also cleaned lines for a routine camera inspection at 4160 Goeller Blvd. and at 1504 Pearl Street for a manhole repair. A casting adjustment had to be made at 4982 Delray Drive. There were seven laterals located, eight television inspections performed and a dye test performed. Crews responded to nine septic tank calls during the month in which all required the tanks to be pumped out. Collection crews assisted the business office with 93 door tags and 91 disconnects for non-payment.

Lift station crews had three pump issues in August. A new pump had to be installed at Day's Trucking and pumps failed at both Bakalar and Wilhite lift stations due to debris in the impellers that had to be removed. There were several electrical repairs made. The 3-phase monitor had to be replaced at Princeton Park; a breaker had to be reset at Mckinley; a phase monitor had to be reset and floats had to be cleaned at Northbrook; and wire and contactor had to be replaced on a pump for Flatrock lift station. Crews had several residential pump issues during the month which included replacing three pumps, replacing a level sensor and a float, and addressing several floats hung up and not allowing pumps to work properly. Normal daily duties and general routine maintenance were also performed throughout the month.

**Water Distribution**

During the month of August, Distribution crews spent many hours repairing main breaks at 1014 9<sup>th</sup> Street, 5235 Vinewood Court and 3447 Sycamore Drive. Many hours were also required in repairing six service line leaks, replacing three service lines and disconnecting two old service lines. Crews relocated a total of 25 meter pits for the Indiana Avenue Road Improvement Project. There were 11 meter pit leaks repaired, seven meter pits adjusted to grade and a new meter pit had to be installed. The hydrant crew serviced and flow tested nine hydrants.

There were a total of 33 new 5/8" services installed in August and a 6" service was installed at the new Gateway Apartment building. Crews changed out three meters and installed 39 new automated meter reading units. Normal daily duties and general routine maintenance were also performed throughout the month as well.

## **Engineering**

The Engineering department did 25 tap inspections and 1454 line locations in August. Construction and development continue to be very busy. Staff will present Spring Hill Lakes Sections 2 & 3 for Final Acceptance and Oak Ridge Development for Plan Approval this month. Staff attended meetings of the Bartholomew County Utility Coordinating Committee. Staff has been busy updating the Emergency Response Plan and the Risk Management Plan ("RMP") – 5-Year Update and EPA submission.

We believe we will be wrapping up our involvement in the Indiana Avenue project this coming month. Construction has started on the new Stadler lift station. Work primarily was focused on clearing and dewatering this past month. We are still waiting on a permit for the railroad crossing and have hopes that it will not delay the project, but at this point it is uncertain. Miller Pipeline has updated their start date for around September 14th on the Cured In Place Pipe Project.

## **Water Treatment Plant**

In our August 2015 safety/staff meeting, we focused on three (3) topics. They included: 1) one safety topic titled "*How To Use Power Tools Safely*", 2) Material Safety Data Sheets ("*MSDS*") for "Rochelle Salt Solution", and 3) expectations for using the eRPortal work order system (i.e. scheduled vs. written work orders, describing completed work, and accounting for man-hours).

To begin our meeting, a safety lesson titled "*How To Use Power Tools Safely*" was presented. The lesson provided a short story involving a worker, passionate about his work, becoming inattentive at the end of a long shift. The worker's tool nearly cut off his thumb while he was trying to do just-one-more-thing. The remaining lesson instructed workers to prepare properly when using power tools (i.e. read tool operating manuals, use the right tool for the job, keep all safety guards in place, etc.), work safely in the heat of action (i.e. periodically pause and refocus when doing repetitious operations, maintain good balance and footing, never leave a machine with the motor "coasting", promptly cleanup work area when finished, etc.), and respect the power (never use power tools in wet or damp places, never use tools with damaged cords, be certain the switch is "OFF", etc.).

Maintenance staff identified two bench grinders missing safety guards. Staff members were instructed to consider them out-of-service until replacement safety guards or bench grinders are installed.

Next, Rochelle Salt Solution MSDSs were discussed, describing many of the chemical characteristics, required PPE, and emergency responses for staff exposure. Each water plant stores only a small quantity of Rochelle Salt Solution for performing manganese tests, but operator exposure occurs daily. This is true of several onsite chemicals. Daily

chemical exposure makes continuous chemical-safety training necessary in order to prevent chemical-exposure accidents and maintain a safe work environment.

Next, discussion of expectations for using the eRPortal maintenance work order system. We focused on three (3) areas that staff members should address as they document their work using the eRPortal work-order system.

1. Work orders on the schedule vs. creating written work orders.
2. Describing completed work.
3. Accounting for Man Hours

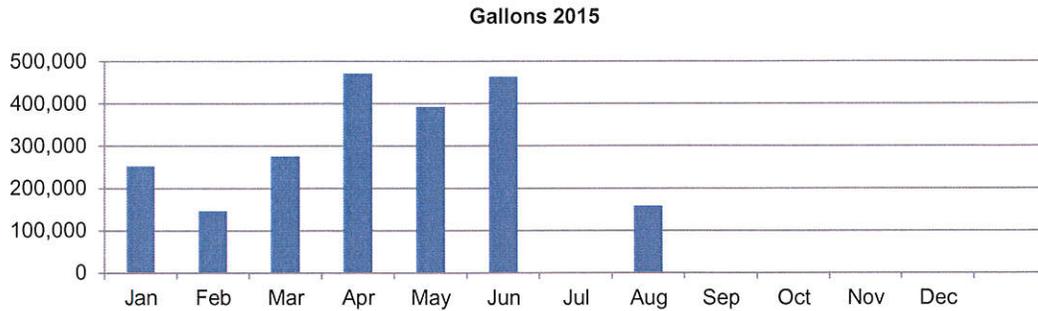
We continue to complete numerous 2015 scheduled projects ranging from completing painting various areas of the Buildings and Grounds Well Maintenance Plan (Clean/repair every well with 30% or more lost capacity), annual chlorination feed system service and troubleshooting, annual meter calibrations, troubleshoot and repair fluoride scale at WP2.

We have been working on many in house projects ranging from installing two (2) meters (at wells 3 & 13) in August, and staff will install a new meter at Well No.5 during fall break. We continued to troubleshoot/repair chlorine systems at both plants and tested all backflow devices, provided reports, certification for devices that passed, and recommendations for devices that failed tests.

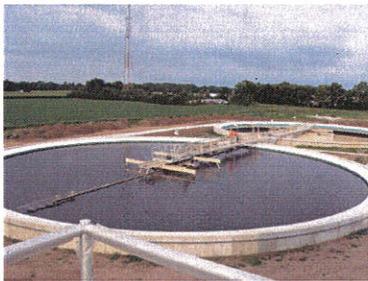
**WASTEWATER OPERATIONS REPORT**  
**September 2015**  
**Garry Pugh**  
**Manager of Wastewater Operations**

**Wastewater Treatment**

The Wastewater Treatment Plant (WWTP) Personnel placed the Septic Receiving Station back in service on August 21st.



The WWTP maintenance staff took all 4 Final Clarifiers down for the annual inspections; all the Finals were inspected with the only repairs needed were made to the discharge weir on Final #3.



**Final Clarifier #4**



**Biosolids Conveyor**

The land application of Biosolids with Engelau Farms was completed during August. Totals for the month were; 160 dry tons of solids incorporated into 40 acres.

The WWTP maintenance staff spent 138.0 hours during August performing preventive maintenance duties.



**Loading Biosolids in Spreader**

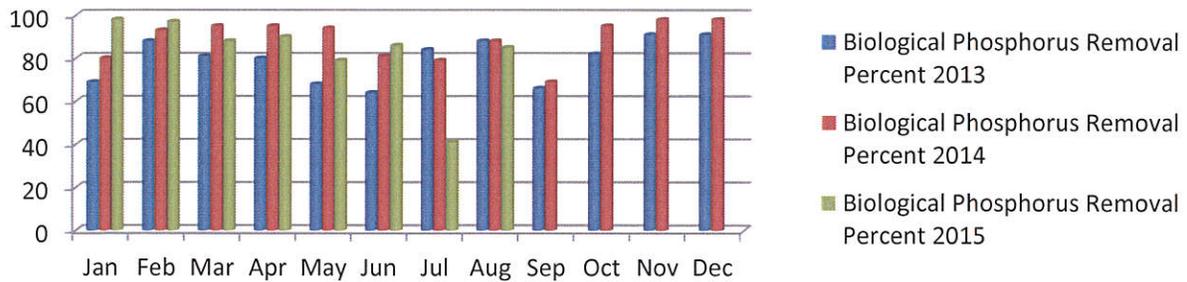


**Biosolids Delivered to Field**

Plant personnel installed a new bearing on Building 50 Biosolids Conveyor.

WWTP maintenance staff replaced the bottom float ball in Scum Pit #1.

The Wastewater Treatment Plant achieved 85% Biological Phosphorus Removal during August 2015.



## Safety Discussions

### Wastewater

Avoiding Slips and Trips

Energized Electric Equipment Can Be Deadly

Head Protection in the Workplace

Machine Guards Safety Training

### Water

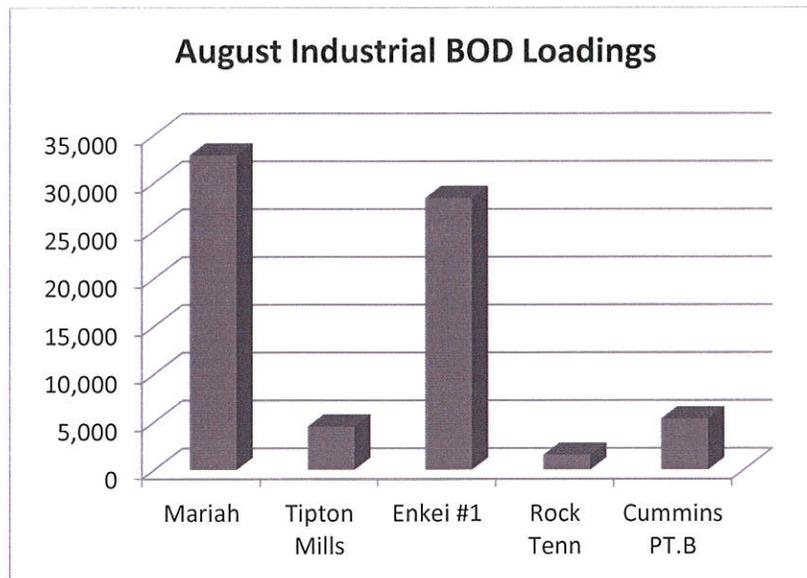
How To Use Power Tools Safely

Rochelle Salt Solution

### Pretreatment

Sampling was conducted at PMG Indiana Corporation, Cummins Fuel Systems Plant End of Pipe, Enkei Area #1, Enkei Area #3, Dorel Juvenile Group, and Tipton Mills. Sampling of the Sycamore Ridge Landfill leachate water that is trucked to the WWTP was also conducted. Various industrial locations were sampled and/or spot-checked. Industrial flow meter readings were taken on July 31<sup>st</sup> and August 10<sup>th</sup>.

The total BOD loading on the WWTP in August was 262,926 pounds. This was very close to the previous month based on much lower flow and higher concentration. The following graph depicts the BOD contributions from several industries.



Cummins Fuel Systems Plant (CFSP) submitted a progress report on August 31<sup>st</sup> regarding ongoing activities taken to achieve compliance with the local copper limit. The copper results for all 12 samples collected in August were in compliance. The results of seventeen consecutive samples since a July 22<sup>nd</sup> violation have all been in compliance. There have been similar periods of compliance in the past and then a violation(s) occurs. Pretreatment staff is cautiously optimistic that compliance will continue since it appears that CFSP environmental personnel have stepped up efforts to identify and control additional copper sources that had not previously been identified.

Pretreatment staff conducted routine sampling at PMG on August 6<sup>th</sup> and 7<sup>th</sup>. The second sample seemed to have a higher solids concentration than usual. The copper and zinc results for the 8/7 sample exceeded the limits. It rained approximately three inches on the 6<sup>th</sup>. Pretreatment staff requested the Collection Dept. to clean the line upstream and downstream of the sampling manhole. The sewer line that carries the PMG wastewater flows into a 24 inch sewer that contains flow from Driftwood Utilities. High flow in that line could possibly back up into the PMG line or restrict the PMG flow possibly causing an accumulation of solids. Pretreatment staff decided to wait for a period of dry weather to restore "normal" conditions. PMG was sampled again on August 21<sup>st</sup> and 25<sup>th</sup> and the copper and zinc results were close to past averages, which are well below the local limit. PMG conducted an internal investigation and was unable to determine any cause for the high results. Pretreatment staff decided that the 8/7 sample was not representative of normal conditions so the results were invalidated.

Annual pretreatment inspections were conducted at Mactac, Master Power Transmission, NET Forge, Impact Forge, Sabic, Faurecia Gladstone Plant, Bradford Soap, Griffin Industries, Dorel Juvenile Group, and Tipton Mills.

**DIRECTOR'S REPORT**  
**September 2015**  
**Keith L. Reeves P.E.**

**Faurecia Sanitary Sewer** – The sewer construction for the new Faurecia facility is almost complete and should be complete by the time the Board meets. There will be a couple weeks delay until the contractor can arrange for testing of the sewer line, but the project should be completed long before the building is done. The only wrinkle so far is Faurecia's modified site plans that call for an access road to be constructed over this relatively shallow sewer. I'm asking them to consider relocation of this roadway or additional fill material in this area to provide cover over our sewer line.

**Rail Crossing Issues** – When we advertised for bids on the Stadler Drive Lift Station project, we knew we didn't yet have possession of the site for the pumping station and we knew we didn't have the final in-hand permit for the rail crossing required for the discharge force main. We had verbal agreements on both but the final execution had not happened.

We withheld the notice to proceed until the site had been secured, but went ahead and started the contractor without the rail permit in hand. This is not unusual. Rail permits require a coordination between all parties, so it's difficult to get to some of the specifics until the contractor is identified. We had the design secured and obtained the proper insurance forms and sent the required ransom fee to the railroad's representative.

Then we were notified that before they would issue this crossing permit, the CCU would have to disclose all other locations where our facilities crossed their lines and enter into similar agreements on all of them, presumably involving annual "rent". They eventually agreed to issue our new permit, if I signed what they deemed a "good faith letter" where I would basically promise to sign anything they put in front of me, and pay whatever they wanted. (I am admittedly paraphrasing.)

In the end, and with Stan's blessings, I modified their letter to "agree to negotiations" and "pay... reasonable fees" that may be "legally due". My letter is "being considered" at this point and I don't know if this will prevent further delays on the Stadler project. (I should be able to provide an update by meeting date.) If they do not accept this letter as my commitment of good faith, Stan and I have discussed what legal options we have to force their cooperation.

If they do accept the letter, then our immediate problem is solved and construction can continue, but the larger issue of dealing with the railroad on our other crossings will just be beginning. I have counted 28 locations where our facilities cross active rail lines. The crossings were constructed from as far back as the late 1800's and involved at least four different railroad ownerships. There are court decisions and statutes that limit the railroad's authority to charge (especially within road rights of way), and I have been able to recover several of the old rail crossing permits that should document our right to be there. I still predict strong disagreement on what we each consider reasonable fees.