

CHEMICAL USE REPORT - FOR 2015

	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
GALLONS								
TOTAL INFLUENT FLOW	2,385,891,000	2,191,105,000	2,391,172,000	2,359,297,000	1,844,606,000	2,014,148,000	2,101,955,000	1,887,988,000
**FLOW, MAY - SEPTEMBER	927,428,000	810,774,000	1,156,045,000	901,167,000	729,640,000	808,344,000	905,023,000	780,667,000
	TOTAL \$ COST OF PURCHASES							
TREATMENT CHEMICAL	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
FERRIC SULFATE - ACTIFLO	\$404,653.97	\$430,552.62	\$429,425.29	\$448,904.10	\$388,000.50	\$345,375.00	\$289,797.00	\$282,560.00
POLYMER - ACTIFLO	66,254.11	58,114.43	56,026.00	52,973.80	52,659.20	## 44,903.57	67,245.65	41,055.00
POLYMER - DAF	85,706.88	75,455.30	32,432.27	23,414.00	20,930.00	23,920.00	23,920.00	20,930.00
SULFURIC ACID - BIOFILTER	33,234.04	32,766.54	30,023.28	49,639.34	32,851.47	43,709.57	20,458.29	34,709.00
SODIUM HYPOCHLORITE**	17,842.38	12,188.26	13,559.72	12,078.67	13,995.34	18,563.48	14,315.34	14,695.00
SODIUM BISULFATE**	<u>10,753.26</u>	<u>6,949.84</u>	<u>7,436.89</u>	<u>4,940.04</u>	<u>3,867.65</u>	<u>2,630.16</u>	<u>2,632.29</u>	<u>2,326.00</u>
TOTAL	\$618,444.63	\$616,026.99	\$568,903.45	\$591,949.95	\$512,304.16	\$479,101.78	\$418,368.57	\$396,275.00
	\$ COST / MGD TREATED							
TREATMENT CHEMICAL	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
FERRIC SULFATE - ACTIFLO	\$169.60	\$196.50	\$179.59	\$190.27	\$210.34	\$171.47	\$137.87	\$149.66
POLYMER - ACTIFLO	27.77	26.52	23.43	22.45	28.55	22.29	31.99	21.75
POLYMER - DAF	35.92	34.44	13.56	9.92	11.35	11.88	11.38	11.08
SULFURIC ACID - BIOFILTER	13.93	14.95	12.56	21.04	17.81	21.7	9.73	18.38
SODIUM HYPOCHLORITE**	19.24	15.03	11.73	13.4	19.18	22.96	15.82	18.82
SODIUM BISULFATE**	<u>11.59</u>	<u>8.57</u>	<u>6.43</u>	<u>5.48</u>	<u>5.30</u>	<u>3.25</u>	<u>2.91</u>	<u>2.98</u>
TOTAL	\$278.05	\$296.01	\$247.30	\$262.56	\$292.53	\$253.55	209.70	\$222.67
	TOTAL GALLONS PURCHASED							
TREATMENT CHEMICAL	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
FERRIC SULFATE - ACTIFLO	206,853	162,636	205,953	231,938	201,651	181,300	149,457	142,252
POLYMER - ACTIFLO	4,235	4,444	5,906	5,030	5,000	## 5,225	6,375	4,677
POLYMER - DAF	4,142	3,170	2,368	2,114	1,925	2,200	2,200	1,930
SULFURIC ACID - BIOFILTER	16,604	13,511	11,518	14,238	10,780	14,031	6,914	11,587
SODIUM HYPOCHLORITE**	14,600	9,100	10,146	8,919	9,188	11,832	9,130	9,220
SODIUM BISULFATE**	6,600	4,263	4,639	2,914	2,204	1,542	1,533	1,399

CHEMICAL USE REPORT - FOR 2015 CONTINUED

TREATMENT CHEMICAL	GALLONS OF CHEMICAL / MGD TREATED						2014	2015
	2008	2009	2010	2011	2012	2013		
FERRIC SULFATE - ACTIFLO	86.70	74.23	86.13	98.31	109.32	90.01	71.1	75.35
POLYMER - ACTIFLO	1.78	2.03	2.47	2.13	2.71	2.59	3.03	2.48
POLYMER - DAF	1.74	1.45	0.99	0.90	1.04	1.09	1.05	1.02
SULFURIC ACID - BIOFILTER	6.96	6.17	4.82	6.03	5.84	6.97	3.29	6.14
SODIUM HYPOCHLORITE**	15.74	11.22	8.78	9.90	12.59	14.64	10.09	11.81
SODIUM BISULFATE**	7.12	5.26	4.01	3.23	3.02	1.91	1.69	1.79

** May through September chemical use only

Emptied bulk tank contents and switched to totes. Gallons estimated.

GAS, ELECTRIC AND WATER CONSUMPTION

NATURAL GAS	2011	2012	2013	2014	2015
Cubic Feet	87,515	80,140	101,195	104,315	81,752
Cost \$	\$82,357.54	\$57,132.00	\$60,247.96	\$90,580.17	\$90,658.77

POTABLE WATER	2011	2012	2013	2014	2015
Cubic Feet	446,600	542,449	519,381	447,992	385,130
Cost \$	\$23,370	\$27,306.64	\$17,715.85	\$21,010.64	\$20,226.56

ELECTRICAL POWER	2010	2011	2012	2013	2014	2015
KWH	7,229,374	7,253,463	7,151,221	6,755,637	7,589,498	7,356,888
COST \$	\$478,170.12	\$485,898.56	\$518,223.94	\$489,531.09	\$527,632.56	\$534,006.19
KWH / MGD Treated	3,023.4	3,074.4	3,876.8	3,354.1	3,610.7	3,896.68