



Water Supply Report Joseph DeMorett

December 15, 2009

Status of Seasonal Wells

UW #6: Out of Service on September 28th.

UW #8: Out of Service on September 9th.

UW #10: Out of service

UW #17: Out of Service on September 28th.

UW #23: Out of Service on October 15th.

UW #27: Out of Service on October 5th.

UW #28: Out of Service on October 6th.

All seasonal wells are off-line for the winter months.

UW #7

Unit Well #7 is still out of service awaiting repairs on the reservoir. Spectrum Contracting Corporation initiated the repair work on Monday December 7th. They are currently in the process of removing the damaged ceiling material inside the reservoir and preparing the surface for the new patching layer. They are hoping to have most of this work done by December 11th. The prepped surface will then have to be thoroughly dried before the new surface can be applied. It is estimated that they will begin applying the new surface around December 18th or so. The Utility expects the project to be completed by the end of this month and to have this site back on-line after first of the New Year.

UW #29 Sentinel Well

The sentinel well was purged two additional times on November 20th and December 8th. It was sampled both times for several basic indicator parameters (conductivity, pH, chloride, and nitrogen as nitrates/nitrite.) The results of the sampling indicate that the water surrounding the well at the deeper depths is still not representative of the formations at those depths. It will likely be a number of months before the shallow water effects are gone and natural occurring conditions return. Purging and sampling will continue on a routine basis until in-situ conditions are reached.

SCADA Update

The Utility has issued a Purchase Order to L.W. Allen for their programming services in converting Unit Wells 6, 12, 14, 19, 20, 27 and Reservoir/BS 106 over to the new SCADA system. Hardware has been purchased and staff has begun working with LW Allen. Conversions of the sites will begin in January of 2010.

2009 Unit Well Pumpage by Month (1000 gallons)

Water Supply

Unit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec *	Totals
6	0	0	0	18,860	26,310	40,070	35,630	40,170	31,760	0	0	0	192,800
7	8,986	7,525	6,995	21,511	32,761	42,832	30,512	18,806	22,327	700	0	0	192,955
8	0	0	0	0	0	0	1,635	31,523	9,786	0	0	0	42,944
9	50,440	46,130	52,613	51,180	50,220	46,206	46,130	45,100	45,310	37,260	34,840	9,820	515,249
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	42,432	39,504	36,980	36,740	50,030	60,010	27,340	38,190	43,280	43,280	42,190	14,140	474,116
12	51,870	48,970	37,120	37,100	39,900	48,870	52,210	46,745	50,350	26,760	30,460	7,180	477,535
13	69,170	61,180	69,159	60,790	65,480	64,230	66,290	66,360	55,560	60,970	63,160	17,670	720,019
14	71,410	63,570	69,846	66,950	70,210	67,660	71,070	69,590	69,740	69,130	66,690	17,920	773,786
15	79,420	71,770	78,650	46,770	0	34,420	96,980	38,500	42,330	43,190	42,090	13,400	587,520
16	22,160	21,750	12,760	11,670	26,660	18,500	37,920	51,401	51,240	38,650	22,879	10,050	325,640
17	0	0	0	0	0	43,590	56,190	64,910	60,230	0	0	0	224,920
18	0	0	0	22,580	48,560	46,660	44,820	34,450	43,560	50,560	40,510	15,370	347,070
19	47,880	57,300	57,700	37,140	28,490	17,830	30,020	22,500	26,840	73,320	73,580	16,730	489,330
20	46,100	41,390	44,870	40,910	46,630	45,620	49,190	40,100	44,310	37,835	34,400	10,410	481,765
23	24,491	20,392	27,625	24,159	24,861	22,534	15,620	19,890	25,054	9,007	0	0	213,633
24	48,850	45,320	50,310	49,370	52,650	39,700	31,410	27,710	36,350	53,450	47,610	14,390	497,120
25	63,440	58,430	54,690	53,860	58,700	47,090	45,370	51,900	53,980	56,790	46,000	9,440	599,690
26	106,310	94,920	105,270	103,010	104,820	100,800	95,780	71,500	78,000	78,850	88,700	21,510	1,049,470
27	46,010	56,060	64,590	59,250	49,260	21,820	24,970	33,010	33,170	9,945	0	0	398,085
28	0	0	0	0	1,500	27,740	33,820	37,480	28,710	3,190	0	0	132,440
29	0	0	0	24,190	52,000	36,577	47,250	52,400	49,840	50,772	51,061	13,880	377,970
30	74,990	67,330	73,450	64,280	56,770	56,260	58,970	58,540	55,130	54,900	54,840	10,050	685,510
Total	853,959	801,541	842,628	830,320	885,812	929,019	999,127	960,775	956,857	798,559	739,010	201,960	9,799,567

* As of December 8, 2009

30+/- Day Pumpage Report (1000 gallons)

Water Supply

Date	Daily Pumpage	Year to Date	Average for Year	2009			Precipitation			2008		5 Year Ave Percent Difference	10 Year Ave Percent Difference
				High	Low	Avg	Day	Month	Year	Last Year To Date	Percent Difference		
11/18	27,020	9,318,327	28,939	45	38	42	0.1	0.2	34.0	9,768,275	-4.6%	-8.2%	-10.7%
11/19	25,600	9,343,927	28,929	46	38	42	0.1	0.2	34.1	9,799,391	-4.6%	-8.2%	-10.7%
11/20	28,619	9,372,546	28,928	53	43	48	0.0	0.2	34.1	9,826,959	-4.6%	-8.2%	-10.6%
11/21	23,080	9,395,626	28,910	51	30	41	0.0	0.2	34.1	9,855,129	-4.7%	-8.2%	-10.7%
11/22	21,700	9,417,326	28,888	58	42	50	0.0	0.2	34.1	9,879,533	-4.7%	-8.3%	-10.7%
11/23	24,981	9,442,307	28,876	47	33	40	0.0	0.2	34.1	9,906,447	-4.7%	-8.3%	-10.7%
11/24	22,130	9,464,437	28,855	48	43	46	0.4	0.6	34.4	9,929,064	-4.7%	-8.3%	-10.7%
11/25	26,130	9,490,567	28,847	47	38	43	0.3	0.9	34.7	9,961,365	-4.7%	-8.3%	-10.7%
11/26	25,730	9,516,297	28,837	41	32	37	0.3	1.2	35.0	9,988,461	-4.7%	-8.2%	-10.7%
11/27	20,490	9,536,787	28,812	41	32	37	0.2	1.3	35.2	10,012,808	-4.8%	-8.3%	-10.7%
11/28	18,800	9,555,587	28,782	50	26	38	0.0	1.3	35.2	10,033,870	-4.8%	-8.3%	-10.8%
11/29	22,210	9,577,797	28,762	41	28	35	0.0	1.3	35.2	10,056,465	-4.8%	-8.3%	-10.8%
11/30	19,810	9,597,607	28,735	41	30	36	0.0	1.3	35.2	10,081,870	-4.8%	-8.4%	-10.8%
12/1	28,220	9,625,827	28,734	50	29	40	0.0	0.0	35.2	10,105,140	-4.7%	-8.4%	-10.8%
12/2	26,210	9,652,037	28,726	43	32	38	0.0	0.0	35.2	10,134,472	-4.8%	-8.4%	-10.8%
12/3	25,650	9,677,687	28,717	33	23	28	0.0	0.0	35.2	10,158,126	-4.7%	-8.4%	-10.8%
12/4	25,260	9,702,947	28,707	25	18	22	0.0	0.0	35.2	10,189,065	-4.8%	-8.4%	-10.8%
12/5	25,890	9,728,837	28,699	32	21	27	0.0	0.0	35.2	10,217,784	-4.8%	-8.4%	-10.8%
12/6	22,480	9,751,317	28,680	36	22	29	0.0	0.0	35.2	10,246,191	-4.8%	-8.4%	-10.8%
12/7	25,410	9,776,727	28,671	29	14	22	0.1	0.1	35.3	10,271,660	-4.8%	-8.4%	-10.8%
12/8	22,840	9,799,567	28,654	32	15	24	0.7	0.8	36.0	10,297,760	-4.8%	-8.5%	-10.9%

5 Year Ave: 2004 - 2008

10 Year Ave: 1999 - 2008