

Sept 03 04

Water Treatment Plant Weekly Tests

	pH	Temp (°C)	Total Cl ₂	Free Cl ₂	Fluoride
Saturday					
Sunday					
Total					
Monday 1					
Total 1					
Monday 2					
Total 2					
Tuesday 1					
Total 1					
Tuesday 2					
Total 2					
Wednesday 1	6.52	15	29	.5	
Total 1					
Wednesday 2	6.60	15	25	.45	
Total 2	13.12	30	1.54	.95	
Thursday 1	6.46	15	27	.33	
Total 1	12.58	45	2.31	1.48	
Thursday 2	6.51	15	29	.32	
Total 2	26.09	60	2.9	1.8	
Friday 1	6.63	15	25	.46	
Total 1	32.77	25	3.65	2.26	
Friday 2	6.52	15	29	.51	
Total 2	39.29	90	4.44	2.77	
Average	6.54	15	.74	.46	

	Daily Total
Saturday	
Sunday	
Total Monday	
Total Tuesday	
Total Wednesday	1843
Total Thursday	2069
Total Friday	1700
Total	5612

Average	1870
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Sept 10/04

Water Treatment Plant Weekly Tests

	pH	Temp (°C)	Total Cl ₂	Free Cl ₂	Fluoride
Saturday	6.56	15°	.75	.56	
Sunday	6.60	15°	.76	.45	
Total	13.16	30	1.51	.95	
Monday 1	7.1	15°	.79	.60	
Total 1	20.26	45	2.3	1.55	
Monday 2					
Total 2					
Tuesday 1	6.88	15°	.60	.47	
Total 1	27.06	60	2.9	2.02	
Tuesday 2	6.78	15°	.62	.50	
Total 2	33.34	75	3.52	2.52	
Wednesday 1	6.8	15°	.67	.58	
Total 1	40.64	90	4.19	3.07	
Wednesday 2	6.78	15°	.69	.58	
Total 2	47.42	105	4.87	3.62	
Thursday 1	6.77	15°	.55	.46	
Total 1	54.14	120	5.42	4.03	
Thursday 2	6.76	15°	.66	.55	
Total 2	60.9	135	6.08	4.63	
Friday 1	6.69	15°	.63	.51	
Total 1	60.89	150	6.71	5.14	
Friday 2	6.81	15°	.64	.52	
Total 2	74.4	165	7.35	5.86	

Average	6.76	15	.66	.51	
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	Daily Total
Saturday	2607
Sunday	1801
Total Monday	1794
Total Tuesday	1679
Total Wednesday	2359
Total Thursday	1764
Total Friday	1888
Total	13292

Average	1898
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Sept 17 04

Water Treatment Plant Weekly Tests

	pH	Temp (°C)	Total CL ₂	Free CL ₂	Fluoride
Saturday	6.57	15	6.61	0.52	
Sunday	6.56	12	6.58	.47	
Total	13.13	30	13.19	0.99	
Monday 1	6.82	15	6.63	0.52	
Total 1	19.95	45	19.2	1.51	
Monday 2	6.68	15	6.4	.54	
Total 2	26.63	60	2.46	2.05	
Tuesday 1	6.56	15	1.57	.42	
Total 1	33.19	75	3.03	2.47	
Tuesday 2	6.59	15	.59	.43	
Total 2	35.78	90	3.62	2.9	
Wednesday 1	6.78	15	1.61	.52	
Total 1	46.86	105	4.23	3.42	
Wednesday 2	6.74	15	1.62	.51	
Total 2	53.3	120	4.85	3.93	
Thursday 1	6.81	15	.58	.43	
Total 1	60.11	135	5.43	4.41	
Thursday 2	6.81	15	1.61	.51	
Total 2	66.92	150	6.04	4.92	
Friday 1	6.87	15	1.60	0.50	
Total 1	73.79	165	6.64	5.42	
Friday 2	6.75	15	1.61	0.51	
Total 2	80.54	180	7.25	5.93	

Average	6.71	15	6.60	.49	
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	Daily Total
Saturday	1904
Sunday	1820
Total Monday	2202
Total Tuesday	1441
Total Wednesday	2092
Total Thursday	1648
Total Friday	1826
Total	13033

Average	1861
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Sept 24/04

Water Treatment Plant Weekly Tests

	pH	Temp (°C)	Total Cl ₂	Free Cl ₂	Fluoride
Saturday	6.85	15	1.63	1.53	
Sunday	6.82	15	1.45	1.53	
Total	13.67	30	1.28	1.06	
Monday 1	6.75	15	1.65	1.54	
Total 1	26.42	45	1.93	1.6	
Monday 2	6.82	15	1.62	1.53	
Total 2	27.24	60	2.55	2.13	
Tuesday 1	6.80	15	1.53	1.44	
Total 1	34.04	75	3.08	2.57	
Tuesday 2	6.64	15	1.51	1.42	
Total 2	40.68	90	3.59	2.99	
Wednesday 1	6.74	15	1.49	1.40	
Total 1	47.42	105	4.08	3.39	
Wednesday 2	6.62	15	1.53	1.46	
Total 2	54.04	120	4.61	3.35	
Thursday 1	6.76	15	1.66	1.52	
Total 1	60.3	135	5.31	4.42	
Thursday 2	6.65	15	1.63	1.62	
Total 2	67.45	150	5.93	5.04	
Friday 1	6.81	15	1.55	1.48	
Total 1	74.26	165	6.05	5.52	
Friday 2	6.62	15	1.61	1.54	
Total 2	80.88	180	7.11	6.06	

Average	6.74	15	0.39	0.50	
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	Daily Total
Saturday	2064
Sunday	1937
Total Monday	2073
Total Tuesday	1583
Total Wednesday	2290
Total Thursday	2126
Total Friday	1765
Total	13988

Average	1984
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Sept 30 01

Water Treatment Plant Weekly Tests

	pH	Temp (°C)	Total Cl ₂	Free Cl ₂	Fluoride
Saturday	6.7	15	60	53	
Sunday	6.75	15	82	75	
Total	13.45	30	142	127	
Monday 1	6.83	15	73	65	
Total 1	20.28	45	215	193	
Monday 2	6.74	15	70	63	
Total 2	27.02	60	285	256	
Tuesday 1	6.81	15	69	62	
Total 1	33.83	75	354	318	
Tuesday 2	6.56	15	71	64	
Total 2	40.39	90	425	382	
Wednesday 1	6.78	15	68	59	
Total 1	47.12	105	493	441	
Wednesday 2	6.67	15	67	62	
Total 2	53.79	120	56	303	
Thursday 1	6.75	15	65	56	
Total 1	60.59	135	62	59	
Thursday 2	6.81	15	59	53	
Total 2	67.4	150	684	612	
Friday 1					
Total 1					
Friday 2					
Total 2	67.4	150	684	612	
Average	6.74	15	68	61	

	Daily Total
Saturday	1774
Sunday	2200
Total Monday	2603
Total Tuesday	1963
Total Wednesday	1810
Total Thursday	2094
Total Friday	
Total	11849

Average	1974
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WATER TREATMENT PLANT LOG WEEK ENDING 30/02/04

	SATURDAY		SUNDAY		MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		TOTAL
TIME	AM	PM	Q _{AM}	Q _{PM}	Q _{AM}	Q _{PM}	Q _{AM}	Q _{PM}	Q _{PM}	Q _{AM}	Q _{PM}	Q _{AM}	Q _{PM}	Q _{AM}	
PH			6.70	6.75	6.83	6.81	6.81	6.56	6.78	6.67	6.75	6.81	6.81		67.4
TEMPERATURE			15°c	15°c	15°c	15°c	15°c	15°c	15°c	15°c	15°c	15°c	15°c		150
CHLORINE (TOTAL)			.60	.81	.73	.69	.71	.68	.67	.65	.59	.59	.59		6.84
CHLORINE (FREE)			.53	.75	.65	.62	.64	.59	.62	.56	.53	.52			6.12
FLUORIDE															
TURBIDITY			.43	.42	.41	.41	.41	.41	.41	.41	.41	.41	.40		
LIME FEED RATE			4.45 D	3.35 D	4.45 D	4.45 D	4.45 D	4.45 D	4.45 D	4.45 D	4.45 D	4.45 D	4.45 D		
CHLORINE FLOW RATE															
FLUOR. STROKE/FREQ.															
POT. WATER TEMP.			7.2°	7.5°	7.2°	7.1°	6°	6.2°	6.1°	6.3°	5.5°	5.6°	5.5°		
RESERVOIR LEVEL (1)			1.63	1.41	1.96	2.05	2.06	2.23	1.92	2.04	1.99	2.04	1.98		
RESERVOIR LEVEL (2)			3.34	3.64	3.73	3.67	3.74	3.86	3.65	3.69	3.75	3.70	3.69		
CHLORINE CYL. WEIGHT			?	3	?		?				130	122			
LIME BAG ADDED															
FLUORIDE DRUM CHANGE															
WATER METER CURR. Ltrs.			693	327	692	535	699	1198	701	308	703	402	705	124	
WATER METER PREV. Ltrs.			691	553	695	527	697	535	699	498	701	508	703	402	
CONSUMPTION			1	774	2	008	1	963	1	810	2	094	1	722	1974
INITIALS			BB	BB	BB	BB	PD	BB	BB	BB	BB	BB	BB		
NOTES			3.8 MLD	3.4 MLD	3 MLD	3 MLD	3 MLD	2.8 MLD	2.8 MLD	2.8 MLD					
			58.1 m ³ /cm ²	103.1 m ³ /cm ²	49.2 m ³ /cm ²	49.9 m ³ /cm ²	46.3 m ³ /cm ²	46.7 m ³ /cm ²	46.7 m ³ /cm ²	46.7 m ³ /cm ²					
			48% Power	67% Power	34% Power	34% Power	34% Power	34% Power	34% Power	34% Power					
			63% 591	92% WWT		90% WWT					90% WWT				

WATER TREATMENT PLANT LOG WEEK ENDING

03/12/21/08

	SATURDAY		SUNDAY		MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		TOTAL
	AM	PM													
TIME															
PH	6.85		6.82		6.75	6.82	6.80	6.61	6.74	6.62	6.76	6.65	6.81	6.62	80.87
TEMPERATURE	15.0		15.0		15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	180
CHLORINE (TOTAL)	.63		.65		.65	.62	.53	.51	.47	.53	.68	.58	.58	.61	7.11
CHLORINE (FREE)	.53		.53		.54	.53	.44	.42	.40	.46	.62	.48	.48	.54	6.06
FLUORIDE															
TURBIDITY	.39		.40		.40	.40	.37	.39	.37	.41	.40	.40	.43	.42	
LIME FEED RATE															
CHLORINE FLOW RATE	3.16		3.54		3.8	3.59	3.63	3.44	3.8	3.8	3.8	3.8	3.8	3.8	
FLUOR. STROKE/FREQ.															
POT. WATER TEMP.	9.0		9.2		8.6	8.7	8.5	8.6	8.5	9.9	8.5	8.5	18.0	9.6	
RESERVOIR LEVEL (1)	2.32		2.43		2.45	2.21	2.01	1.94	1.77	1.77	2.02	1.52	1.58	2.12	
RESERVOIR LEVEL (2)	4.67		4.19		4.12	3.90	3.76	3.53	3.41	3.43	3.78	3.10	3.31	3.71	
CHLORINE CYL. WEIGHT	49		43		37		31		25		19		12		
LIME BAG ADDED															
FLUORIDE DRUM CHANGE															
WATER METER CURR. Lts.	679	228	681	715	683	788	685	371	687	661	689	787	691	503	
WATER METER PREV. Lts.	577	664	679	728	681	715	683	188	685	371	687	661	689	788	
CONSUMPTION	2	664	1	387	2	673	1	584	2	290	2	126	1	765	13888
INITIALS	BIB		BIB		BIB	BIB	BIB	BIB	BIB	PAI	BIB	PAI	BIB	PAI	
NOTES	2.2 mL/D		2.2 mL/D		2.2 mL/D		2.1 mL/D		2.8 mL/D		3.5 mL/D		4 mL/D		
	off line		off line		57.5 mg/L		56.4 mg/L		49.7 mg/L		71.1 mg/L		79.6 mg/L		
	LUT 92%				LUT 92%		LUT 92%		LUT 91%		48% Power		67% Power		

WATER TREATMENT PLANT LOG WEEK ENDING

SEP 16/04

TIME	AM	PM	SATURDAY		SUNDAY		MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		TOTAL
			9 AM		9 AM		9 AM		9 AM	1 PM	9 AM	4 PM	9 AM	1 PM	9 AM	4 PM	
PH			6.56		6.60		7.10		6.80	6.78	6.8	6.78	6.71	6.76	6.69	6.81	74.4
TEMPERATURE			15°		15°		15°		15°	15°	15°	15°	15°	15°	15°	15°	165
CHLORINE (TOTAL)			.75		.76		.78		.80	.62	.67	.63	.55	.86	.63	.64	2.35
CHLORINE (FREE)			.50		.45		.60		.47	.50	.55	.55	.46	.55	.51	.52	5.56
FLUORIDE			/		/		/		/	/	/	/	/	/	/	/	
TURBIDITY			.40		.30		.41		.41	.42	.40	.29	.39	.39	.38	.39	
LIME FEED RATE			/		/		/		/	/	/	/	/	/	/	/	
CHLORINE FLOW RATE			3.813/A		3.813/A		3.813/A		3.813/A	3.813/A	3.813/A	3.813/A	3.813/A	3.813/A	3.813/A	3.813/A	
FLUOR. STROKE/FREQ.			/		/		/		/	/	/	/	/	/	/	/	
POT. WATER TEMP.			9.1		8.9		8.4		9.1	9.3	9.5	9.5	9.1	9.1	9.5	9.6	
RESERVOIR LEVEL (1)			2.17		2.04		2.17		1.79	1.69	2.20	2.19	2.10	2.07	2.12	1.99	
RESERVOIR LEVEL (2)			3.93		3.81		3.94		3.70	3.85	3.57	3.78	3.78	3.75	3.80	3.67	
CHLORINE CYL. WEIGHT			/		18		12		5		2		2		2		
LIME BAG ADDED			/		/		/		/	/	/	/	/	/	/	/	
FLUORIDE DRUM CHANGE			/		/		/		/	/	/	/	/	/	/	/	
WATER METER CURR. Ltrs.			653	405	655	206	656	900	658	579	660	938	662	702	664	890	
WATER METER PREV. Ltrs.			451	398	653	405	654	206	656	900	659	579	660	938	662	702	
CONSUMPTION			2	607	1	801	1	794	1	679	2	359	1	764	1	358	13292
INITIALS			PLD		PLD		PLD		BBB	BBB	BBB	BBB	BBB	BBB	BBB	BBB	
NOTES	The other chlorine bottles have nearly 100% left. There is no need for a new one.		2.3 MLD		2.3 MLD		2.3 MLD		2.3 MLD		2.3 MLD		2.3 MLD		2.3 MLD		
			49.3 mg/L		50.3 mg/L		48.4 mg/L		53.1		52		52		52		
			30% Power		30% Power		30% Power		30% Power		30% Power		30% Power		30% Power		
			91%				92% UV T				94% UV T						

WATER TREATMENT PLANT LOG WEEK ENDING Sept 03 04

		SATURDAY	SUNDAY	MONDAY	TUESDAY	WEDNESDAY		THURSDAY		FRIDAY		TOTAL
TIME	AM	PM				9 AM	4 PM	9 AM	4 PM	9 AM	4 PM	
PH						6.52	6.60	6.46	6.51	6.63	6.52	39.29
TEMPERATURE						15°	15°	15°	15°	15°	15°	90
CHLORINE (TOTAL)						.79	.75	.77	.59	.75	.79	444
CHLORINE (FREE)						.50	.45	.53	.32	.46	.51	2.77
FLUORIDE						/	/	/	/	/	/	
TURBIDITY						.37	.37	.37	.40	.39	.39	
LIME FEED RATE						3.32g	3.24g	3.19g	3.07g	3.84g	3.65g	
CHLORINE FLOW RATE						89	9.6	9.2	9.5	9.7	9.4	
FLUOR. STROKE/FREQ.						2.13	1.94	2.20	2.09	2.10	2.03	
POT. WATER TEMP.						3.90	3.62	4.04	3.76	3.87	3.69	
RESERVOIR LEVEL (1)						37		30		24		
RESERVOIR LEVEL (2)						/	/	/	/	/	/	
CHLORINE CYL. WEIGHT						/	/	/	/	/	/	
LIME BAG ADDED						/	/	/	/	/	/	
FLUORIDE DRUM CHANGE						/	/	/	/	/	/	
WATER METER CURR. Ltrs.						647	629	649	698	651	398	
WATER METER PREV. Ltrs.						645	786	647	629	649	698	
CONSUMPTION						1	843	2	069	1	700	5612
INITIALS						FW	FW	FW	FW	TT	FW	
NOTES						2.3 mL/D	2.3 mL/D	2.3 mL/D	2.3 mL/D			
						51.5 mg/cm ²	52.0 mg/cm ²	52.8 mg/cm ²				
						30% Food	30% Food	30% Food				
							93% WVT					