

BACHMAN W.T.P. MORNING REPORT

DATE: 4/25/2014 ←

LAB ANALYSIS				
		RAW	TAP	FILTER
TOTAL HARDNESS	mg/L	216	165	
CALCIUM HARDNESS	mg/L	178	133	
TOTAL ALKALINITY	mg/L	114	51	
CHLORIDES @ NaCl	mg/L	108	116	
PH		8.0	8.6	
DISSOLVED OXYGEN	mg/L	8.2	12.0	
SATURATION	%	94	139	
TEMPERATURE	°F	68	66	
FREE AMMONIA @ N	mg/L		0.07	
TOTAL AMMONIA @ N	mg/L	0.14	0.80	
ORTHO PHOSPHATE	mg/L		0.41	
FLUORIDE	mg/L	0.74	0.69	
CONDUCTANCE	umhos/cm		719	
SATURATION INDEX	+/-		0.43	

CHEMICAL FEED				
		Primary	Secondary	
Phosphate	mg/L	1.5		
Liq. Ferric Sulfate	lbs/MG	180	40	
Polymer Product	mg/L	1.00	x	
Lime (CaO) Product	lbs/MG	392		
Carbon Dioxide (CO2)		36.2		
Liquid Oxygen (O2)				
Ozone (O3) Product	mg/L	11.7		
Fluoride (Product)	mg/L	X		
Chlorine (Cl2)	lbs/MG	45	4	
Ammonia (NH3)	lbs/MG	8.3		
Cl2 : NH3 Ratio		5.9:1		
CT Value (>1.00)		6.60		

PLANT STATUS				
	Chlorine mg/L	Turbidity NTU	Odor TON	Taste
RAW WATER		11	5M	
MIXED	3.95			
SETTLED	3.75	11	4CM	
APPLIED	3.70	2.4	3C	GOOD
FILTERED	4.00	0.04	3C	GOOD
TAP WATER	3.90	0.04	3C	GOOD

FLOW RATES		
	Elevation	MGD
Plant Restriction	145	
Raw	82.97	
Forebay	400	
Frazier Dam	408.1	
Lake Lewisville	514.40	33.2
Lake Grapevine	525.01	17.6
Carrollton Dam	1.12	57.7
North Lake	0.00	0.0
Park Cities	8.69	8.8