Data

								Data							ī
	Α	В	С	D	Е	F	G	Н	ı	J	K	L	М	N	0
1	Totalizer Name	Node	Tagname	Field	Clear	Error	Message	Value	EGU	Сору	Shift	Day	Week	Month	Year
2	Heating Degree Days	scada	qy000hdd	a_cv	1	0		0.610	hdd	0.610	7.100	18.350	15011.420	28.650	1001.680
3	Condensate Return Water Flow	scada	QYMU000	a_cv	1	0		7.900	gpm	7.900	119.990	454.310	9266581.610	597.180	15458.980
4	Transfer Pump #1 Run Time	scada	qytp1rt	a_cv	1	0		0.500	hrs	0.500	6.520	23.500	8277.930	30.520	278.970
5	Transfer Pump #2 Run Time	scada	qytp2rt	a_cv	1	0		0.000	hrs	0.000	0.000	0.000	11532.850	0.000	167.480
6	Transfer Pump #3 Run Time	scada	qytp3rt	a_cv	1	0		0.000	hrs	0.000	0.000	0.000	10623.910	0.000	327.810
7	Boiler Feed Pump #1 Run Time	scada	qybfp1rt	a_cv	1	0		0.500	hrs	0.500	6.520	23.500	8650.610	30.520	303.850
	Boiler Feed Pump #2 Run Time	scada	qybfp2rt	a_cv	1	0		0.000	hrs	0.000	0.000	0.000	9426.480	0.000	249.450
	Boiler Feed Pump #3 Run Time	scada	qybfp3rt	a_cv	1	0		0.000	hrs	0.000	0.000	0.000	7763.580	0.000	120.780
	Boiler Feed Pump #4 Run Time	scada	qybfp4rt	a_cv	1	0		0.000	hrs	0.000	0.000	0.000	6847.410	0.000	174.090
	Fuel Oil Pump #1 Run Time	scada	qyfop1rt	a_cv	1	0		0.000	hrs	0.000	0.000	0.000	565.620	0.000	0.000
	Fuel Oil Pump #2 Run Time	scada	qyfop2rt	a_cv	1	0		0.000	hrs	0.000	0.000	0.000	882.710	0.000	0.000
	Boiler 1 Steam Flow	scada	qys010	a_cv	1	0		0.000	klbs	0.000	0.000	0.000	104020.570	0.000	2571.850
	Boiler 1 Gas Flow	scada	qyg010	a_cv	1	0		0.0000	kscf	0.000	0.2300	0.6800	113713.5700	0.9000	3284.8800
	Boiler 1 Oil Flow	scada	qyo010	a_cv	1	0		0.0000	gals	0.000	0.0000	0.0000	54666.8200	0.0000	0.0000
	Boiler 1 Run Time	scada	qy010rt	a_cv	1	0		0.0000	hrs	0.000	0.0390	0.1160	8508.9780	0.1530	158.3730
	Boiler 1 Efficiency By Losses	scada	qy010el	a_cv	1	0		0.0000	%	0.000	3.2400	9.6600	700093.5300	12.7900	13061.6500
	Boiler 2 Steam Flow	scada	qys020	a_cv	1	0		8.600	klbs	8.600	96.040	320.260	118090.170	441.400	4700.440
	Boiler 2 Gas Flow	scada	qyg020	a_cv	1	0		9.5700	kscf	9.570	104.9000	352.6400	126575.3800	490.1000	5328.0900
⊢=ĕ	Boiler 2 Oil Flow	scada	qyo020	a_cv	1	0		0.0000	gals	0.000	0.0000	0.0000	73709.1800	0.0000	0.0000
-	Boiler 2 Run Time	scada	qy020rt	a_cv	1	0		0.4990	hrs	0.499	6.5130	23.4930	9079.0300	30.5070	296.8790
	Boiler 2 Efficiency By Losses	scada	qy020el	a_cv	1	0		40.7500	%	40.750	535.1200	1936.3200	745585.3600	2509.5800	24345.4800
	Boiler 3 Steam Flow	scada	qys030	a_cv	1	0		0.000	klbs	0.000	0.000	0.000	101558.860	0.000	2719.790
-	Boiler 3 Gas Flow	scada	qyg030	a_cv	1	0		0.0000	kscf	0.000	0.2700	0.5100	96849.6300	0.5100	3150.7500
<u> </u>	Boiler 3 Oil Flow	scada	qyo030	a_cv	1	0		0.0000	gals	0.000	0.0000	0.0000	72413.5000	0.0000	0.0000
	Boiler 3 Run Time	scada	qy030rt	a_cv	1	0		0.0000	hrs	0.000	0.0530	0.1000	7492.2500	0.1000	175.2670
	Boiler 3 Efficiency By Losses	scada	qy030el	a_cv	1	0		0.0000	%	0.000	4.3600	8.2500	617017.3500	8.2500	14379.8400
F	Boiler 4 Steam Flow	scada	qys040	a_cv	1	0		0.000	klbs	0.000	0.000	0.000	111465.340	0.000	2921.220
	Boiler 4 Gas Flow	scada	qyg040	a_cv	1	0		0.0000	kscf	0.000	0.4600	0.9100	122747.0100	1.3800	3629.8300
	Boiler 4 Oil Flow	scada	qyo040	a_cv	1	0		0.0000	gals	0.000	0.0000	0.0000	73943.2400	0.0000	0.0000
	Boiler 4 Run Time	scada	qy040rt	a_cv	1	0		0.0000	hrs	0.000	0.0820	0.1620	9839.7720	0.2430	172.3740
32	Boiler 4 Efficiency By Losses	scada	qy040el	a_cv	1	0		0.0000	%	0.000	6.9300	13.7000	813558.0500	20.6000	14199.9300
33		Totalizers	Create Tem	plates							0.0000	0.0000	0.0000	0.0000	0.0000
34	Fuel Calculations									00.77	00 ==	A	0.000	00	
	Boiler 1 Natural Gas Cost								\$	\$0.00	\$2.55	\$7.52	\$1,258,077.04	\$9.95	\$36,342.15
	Boiler 1 Oil Cost								\$	\$0.00	\$0.00	\$0.00	\$115,437.80	\$0.00	\$0.00
	Boiler 2 Natural Gas Cost								\$	\$105.88	\$1,160.56	\$3,901.44	\$1,400,378.76	\$5,422.22	\$58,947.13
	Boiler 2 Oil Cost								\$	\$0.00	\$0.00	\$0.00	\$154,772.68	\$0.00	\$0.00
	Boiler 3 Natural Gas Cost								\$	\$0.00	\$2.99	\$5.65	\$1,071,757.81	\$5.65	\$34,858.40
	Boiler 3 Oil Cost								\$	\$0.00	\$0.00	\$0.00	\$150,374.43	\$0.00	\$0.00
	Boiler 4 Natural Gas Cost								\$	\$0.00	\$5.08	\$10.06	\$1,358,020.79	\$15.26	\$40,158.53
	Boiler 4 Oil Cost								\$	\$0.00	\$0.00	\$0.00	\$155,034.38	\$0.00	\$0.00
43	Calculations										00.57	005.55	405 45 45 4		40015.55
	Total Plant Steam Flow								klbs		96.04	320.26	435,134.94	441.40	12,913.30
	Steam Flow Per Heating Degree I	Day							klbs/hdd		13.53	17.45	28.99	15.41	12.89
	Make-up Water Flow								klbs		1.00	3.79	77,332.40	4.98	129.01
	Percent Make-up Water Flow								%		1.04	1.18	17.77	1.13	1.00
	Total Plant Gas Flow								kscf		105.86	354.74	459,885.59	492.89	15,393.55
	Total Plant Gas Cost								\$		\$1,171.18	\$3,924.67	\$5,088,234.40	\$5,453.08	\$170,306.21
50	Total Plant Oil Flow								gals		0.0	0.0	274,732.7	0.0	0.0

	А	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0
51	Total Plant Oil Cost								\$		\$0.00	\$0.00	\$575,619.29	\$0.00	\$0.00
52	Total Plant Fuel Cost								\$		\$1,171.18	\$3,924.67	\$5,663,853.69	\$5,453.08	\$170,306.21
53	Fuel Cost Per Heating Degree Da	ay							\$/hdd		\$164.95	213.8784741	377.3029927	190.3343805	170.0205754
54	Plant Average Steam Cost Per D	egree Day	,						\$/klbs		\$1.72	\$0.67	\$0.00	\$0.43	\$0.01
55	Total Plant Efficiency By I/O								%		88.8	88.4	85.6	87.7	82.2
56	Boiler 1 Total Fuel Cost								\$		\$2.55	\$7.52	\$1,373,514.84	\$9.95	\$36,342.15
57	Boiler 1 Average Steam Cost								\$/klbs		#DIV/0!	#DIV/0!	\$13.20	#DIV/0!	\$14.13
58	Boiler 1 Efficiency By Losses								%		83.1	83.3	82.3	83.6	82.5
59	Boiler 1 Efficiency By I/O								%		0.00	0.00	84.01	0.00	76.67
60	Boiler 2 Total Fuel Cost								\$		\$1,160.56	\$3,901.44	\$1,555,151.44	\$5,422.22	\$58,947.13
61	Boiler 2 Average Steam Cost								\$/klbs		12.08413161	12.18210204	13.16918622	12.28414137	12.54076852
62	Boiler 2 Efficiency By Losses								%		82.2	82.4	82.1	82.3	82.0
63	Boiler 2 Efficiency By I/O								%		89.66	88.94	84.57	88.20	86.39
64	Boiler 3 Total Fuel Cost								\$		\$2.99	\$5.65	\$1,222,132.24	\$5.65	\$34,858.40
65	Boiler 3 Average Steam Cost								\$/klbs		#DIV/0!	#DIV/0!	12.03373334	#DIV/0!	12.81657775
66	Boiler 3 Efficiency By Losses								%		82.3	82.5	82.4	82.5	82.0
67	Boiler 3 Efficiency By I/O								%		0.00	0.00	93.09	0.00	84.54
68	Boiler 4 Total Fuel Cost								\$		\$5.08	\$10.06	\$1,513,055.17	\$15.26	\$40,158.53
69	Boiler 4 Average Steam Cost								\$/klbs		#DIV/0!	#DIV/0!	\$13.57	#DIV/0!	\$13.75
70	Boiler 4 Efficiency By Losses								%		84.5	84.6	82.7	84.8	82.4
71	Boiler 4 Efficiency By I/O								%		0.00	0.00	82.11	0.00	78.81
	Test Current Rpt														
72	Current Values														

Southside Virginia Training Center Heating Plant Shift Operations Report

1/31/2009 10:50 AM 3rd Shift Report

		Pla	ant		Units	
Heating Degree Days	7.10				hdd	
Total Plant Steam Flow		96.04				
Steam Flow Per Heating Degree Day		13.5				
Total Condensate Return Water Flow		1	.0		klbs	
Total Plant Gas Flow		105	5.86		kscf	
Total Plant Gas Cost		\$1,1	71.18		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$1,1	71.18		\$	
Fuel Cost Per Heating Degree Day		\$16	4.95		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$1	.72		\$/klbs	
Total Plant Efficiency By I/O		88	3.8		%	
Condensate Transfer Pump #1 Run Time	<u> </u>	6	.5		hrs	
Condensate Transfer Pump #1 Run Time Condensate Transfer Pump #2 Run Time					hrs	
Condensate Transfer Pump #2 Run Time Condensate Transfer Pump #3 Run Time	0.0				hrs	
Boiler Feed Pump #1 Run Time	6.5				hrs	
Boiler Feed Pump #2 Run Time		0.0				
Boiler Feed Pump #3 Run Time		0.0				
Boiler Feed Pump #4 Run Time			.0		hrs	
Fuel Oil Pump #1 Run Time			.0		hrs	
Fuel Oil Pump #2 Run Time	0.0					
	.				hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	6.5	0.1	0.1	hrs	
Steam Flow	0.00	96.04	0.00	0.00	klbs	
Gas Flow	0.23	104.90	0.27	0.46	kscf	
Natural Gas Cost	\$2.55	\$1,160.56	\$2.99	\$5.08	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$2.55	\$1,160.56	\$2.99	\$5.08	\$	
Average Steam Cost		\$12.08			\$/klbs	
Efficiency By Losses	83.1	82.2	82.3	84.5	%	
Efficiency By I/O	0.0	89.7	0.0	0.0	%	

Southside Virginia Training Center Heating Plant Day Operations Report

1/31/2009 10:50 AM daily report

Description		P	lant		Units	
Heating Degree Days		18.35				
Total Plant Steam Flow		320.26				
Steam Flow Per Heating Degree Day		17.5				
Total Condensate Return Water Flow		3	3.8		klbs	
Total Plant Gas Flow		35	4.74		kscf	
Total Plant Gas Cost		\$3,9	924.67		\$	
Total Plant Oil Flow		(0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$3,9	924.67		\$	
Fuel Cost Per Heating Degree Day		\$2	13.88		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	0.67		\$/klbs	
Total Plant Efficiency By I/O		8	8.4		%	
Condensate Transfer Pump #1 Run Time		23.5				
Condensate Transfer Pump #2 Run Time		(0.0		hrs	
Condensate Transfer Pump #3 Run Time		0.0				
Boiler Feed Pump #1 Run Time		23.5				
Boiler Feed Pump #2 Run Time		0.0				
Boiler Feed Pump #3 Run Time		0.0				
Boiler Feed Pump #4 Run Time		(0.0		hrs	
Fuel Oil Pump #1 Run Time		(0.0		hrs	
Fuel Oil Pump #2 Run Time		hrs				
	I Bullion 4	D. T. O	D. H. O	Daille A	11.26	
Dun Tim a	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.1	23.5	0.1	0.2	hrs	
Steam Flow Gas Flow	0.00	320.26	0.00	0.00	klbs	
	0.68	352.64	0.51	0.91	kscf	
Natural Gas Cost	\$7.52	\$3,901.44	\$5.65	\$10.06	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$7.52	\$3,901.44	\$5.65	\$10.06	\$	
Average Steam Cost		\$12.18			\$/klbs	
Efficiency By Losses	83.3	82.4	82.5	84.6	%	
Efficiency By I/O	0.0	88.9	0.0	0.0	%	

Southside Virginia Training Center

Heating Plant Week Operations Report

1/31/2009 10:50 AM Weekly Report

		PI	ant		Units		
Heating Degree Days		15,011.42					
Total Plant Steam Flow		435,134.94					
Steam Flow Per Heating Degree Day		29.0					
Total Condensate Return Water Flow		77,3	332.4		klbs		
Total Plant Gas Flow		459,8	385.59		kscf		
Total Plant Gas Cost		\$5,088	3,234.40		\$		
Total Plant Oil Flow		274,	732.7		gals		
Total Plant Oil Cost		\$575,	619.29		\$		
Total Plant Fuel Cost		\$5,663	3,853.69		\$		
Fuel Cost Per Heating Degree Day		\$37	7.30		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	0.00		\$/klbs		
Total Plant Efficiency By I/O		8	5.6		%		
Condensate Transfer Pump #1 Run Time		9.2	77.9		hrs		
Condensate Transfer Pump #2 Run Time			532.9		hrs		
Condensate Transfer Pump #3 Run Time		10.623.9					
Boiler Feed Pump #1 Run Time		8.650.6					
Boiler Feed Pump #2 Run Time		9,426.5					
Boiler Feed Pump #3 Run Time		<u> </u>	63.6		hrs hrs		
Boiler Feed Pump #4 Run Time			47.4		hrs		
Fuel Oil Pump #1 Run Time		,	65.6		hrs		
Fuel Oil Pump #2 Run Time		882.7					
					1		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	8509.0	9079.0	7492.3	9839.8	hrs		
Steam Flow	104020.57	118090.17	101558.86	111465.34	klbs		
Gas Flow	113713.57	126575.38	96849.63	122747.01	kscf		
Natural Gas Cost	\$1,258,077.04	\$1,400,378.76	\$1,071,757.81	\$1,358,020.79	\$		
Oil Flow	54666.8	73709.2	72413.5	73943.2	gals		
Oil Cost	\$115,437.80	\$154,772.68	\$150,374.43	\$155,034.38	\$		
Total Fuel Cost	\$1,373,514.84	\$1,555,151.44	\$1,222,132.24	\$1,513,055.17	\$		
Average Steam Cost	\$13.20	\$13.17	\$12.03	\$13.57	\$/klbs		
Efficiency By Losses	82.3	82.1	82.4	82.7	%		
Efficiency By I/O	84.0	84.6	93.1	82.1	%		

Southside Virginia Training Center

Heating Plant Month Operations Report

1/31/2009 10:50 AM Monthly Report

Description		D	ant		Units		
Heating Degree Days		28.65					
Total Plant Steam Flow		441.40					
Steam Flow Per Heating Degree Day		15.4					
Total Condensate Return Water Flow			5.0		klbs/hdd klbs		
Total Plant Gas Flow			2.89		kscf		
Total Plant Gas Cost			53.08		\$		
Total Plant Oil Flow			0.0		gals		
Total Plant Oil Cost			0.00		\$		
Total Plant Fuel Cost		•	53.08		\$		
Fuel Cost Per Heating Degree Day		· , ,	90.33		\$/hdd		
Plant Average Steam Cost Per Degree Day			0.43		\$/klbs		
Total Plant Efficiency By I/O		· · · · · · · · · · · · · · · · · · ·	7.7		%		
Total Flant Emolority By 1/6	<u> </u>				7.0		
Condensate Transfer Pump #1 Run Time		3	0.5		hrs		
Condensate Transfer Pump #2 Run Time			0.0		hrs		
Condensate Transfer Pump #3 Run Time	0.0				hrs		
Boiler Feed Pump #1 Run Time		30.5					
Boiler Feed Pump #2 Run Time	0.0				hrs		
Boiler Feed Pump #3 Run Time		(0.0		hrs		
Boiler Feed Pump #4 Run Time		(0.0		hrs		
Fuel Oil Pump #1 Run Time		(0.0		hrs		
Fuel Oil Pump #2 Run Time		(0.0		hrs		
·	•						
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.2	30.5	0.1	0.2	hrs		
Steam Flow	0.00	441.40	0.00	0.00	klbs		
Gas Flow	0.90	490.10	0.51	1.38	kscf		
Natural Gas Cost	\$9.95	\$5,422.22	\$5.65	\$15.26	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$9.95	\$5,422.22	\$5.65	\$15.26	\$		
Average Steam Cost		\$12.28			\$/klbs		
Efficiency By Losses	83.6	82.3	82.5	84.8	%		
Efficiency By I/O	0.0	88.2	0.0	0.0	%		

Southside Virginia Training Center Heating Plant Year Operations Report

1/31/2009 10:50 AM Monthly Report

Description

Description		PI	ant		Units		
Heating Degree Days		1,001.68					
Total Plant Steam Flow		12,913.30					
Steam Flow Per Heating Degree Day		12.9					
Total Condensate Return Water Flow		12	29.0		klbs		
Total Plant Gas Flow		15,3	93.55		kscf		
Total Plant Gas Cost		\$170,	306.21		\$		
Total Plant Oil Flow		C	0.0		gals		
Total Plant Oil Cost		\$0	0.00		\$		
Total Plant Fuel Cost		\$170,	306.21		\$		
Fuel Cost Per Heating Degree Day		\$17	70.02		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0).01		\$/klbs		
Total Plant Efficiency By I/O		8	2.2		%		
Condensate Transfer Pump #1 Run Time	Run Time 279.0				hrs		
Condensate Transfer Pump #2 Run Time			57.5		hrs		
Condensate Transfer Pump #3 Run Time		327.8					
Boiler Feed Pump #1 Run Time		303.9					
Boiler Feed Pump #2 Run Time		24	9.5		hrs		
Boiler Feed Pump #3 Run Time		12	20.8		hrs		
Boiler Feed Pump #4 Run Time		17	' 4.1		hrs		
Fuel Oil Pump #1 Run Time		C	0.0		hrs		
Fuel Oil Pump #2 Run Time		0.0					
	<u> </u>	1	1		T		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	158.4	296.9	175.3	172.4	hrs		
Steam Flow	2571.85	4700.44	2719.79	2921.22	klbs		
Gas Flow	3284.88	5328.09	3150.75	3629.83	kscf		
Natural Gas Cost	\$36,342.15	\$58,947.13	\$34,858.40	\$40,158.53	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$36,342.15	\$58,947.13	\$34,858.40	\$40,158.53	\$		
Average Steam Cost	\$14.13	\$12.54	\$12.82	\$13.75	\$/klbs		
Efficiency By Losses	82.5	82.0	82.0	82.4	%		
Efficiency By I/O	76.7	86.4	84.5	78.8	%		

Preferred Instruments SCADA/FLEX

Southside Virginia Training Center Heating Plant Current Operations Report

1/31/2009 10:50 AM

Description								
		PI	ant		Units			
Outdoor Air Temperature		3	33		°F			
Softwater Makup To Surge Tank Flow		0.56						
Make-up Flow To Deaerator Tank	1.12							
Condensate Transfer Pressure	39.4							
Condensate Transfer Presssure Setpoint			17		psig			
Condensate Transfer Recirc. Valve	0				%			
City Water Temperature		5	55		°F			
Surge Tank Temperature		1	87		°F			
Blowdown Tank Temperature		1	39		°F			
Blowdown Tank Discharge Temperature		7	72		°F			
Softener Total Flow			0		gpm			
Campus Steam Flow		22	.31		kpph			
Laundry Steam Flow			39		kpph			
Deaerator Steam Flow			86		kpph			
Feedwater Header Pressure			30		psig			
Deaerator Steam Pressure			7.7		psig			
Natural Gas Temperature			50		°F			
Natural Gas Pressure			9.0		psig			
Fuel Oil Header Pressure			7.5		psig			
Fuel Oil Main Tank Level			975		gal.			
Fuel Oil Flow	0				gpm			
Fuel Oil Main Tank Temperature	48							
Steam Hdr Pressure		80						
Steam Hdr Pressure Setpoint	80				psig psig			
Plant Demand Signal	22				%			
Condensate Tank Level	46.9							
Condensate Tank Level Setpoint	45.0							
Condensate Tank LCV	0							
Deaerator Tank Level			9.9		% "wc			
Deaerator Tank Level Setpoint			0.0		"wc			
Deaerator Tank LCV	39							
Dodorate: Farm 201	<u> </u>				%			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4				
Steam Drum Pressure	85	43	58	30	psig			
Steam Drum Pressure Setpoint	114	115	115	115	psig			
Plant Demand Bias	0	0	0	0	%			
Firing Rate	22	0	0	0	%			
Gas Flow	22.54	0.00	0.00	0.00	kscfh			
Oil Flow	0	0	0	0	gph			
Oxygen	4.6	21.2	20.5	20.4	%			
Oxygen Setpoint	4.8	8.1	8.8	5.5	%			
Oxygen Trim	2.2	0.0	0.0	0.0	%			
Efficiency By Losses	83.2	0.0	0.0	0.0	%			
Steam Flow	17.87	0.00	0.00	0.00	kpph			
Feedwater Flow	24.37	0.00	0.00	0.00	kpph			
Chemical Feeder Ratio	0.25	0.25	0.25	0.25	Ratio			
Conductivity	1564	1327	571	1148	mmhos			
Economizer Inlet Flue Gas Temp.	368	184	214	189	°F			
Economizer Outlet Flue Gas Temp.	292	174	203	172	°F			
Economizer Inlet Feedwater Temp.	230	84	76	96	°F			
Economizer Outlet Feedwater Temp.	253	88	79	82	°F			
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