

Southside Virginia Training Center

Heating Plant Month Operations Report

4/30/2006
11:59 PM
Monthly Report

Description

	Plant	Units			
Heating Degree Days	245.21	hdd			
Total Plant Steam Flow	12,975.54	klbs			
Steam Flow Per Heating Degree Day	52.9	klbs/hdd			
Total Condensate Return Water Flow	7,448.7	klbs			
Total Plant Gas Flow	14,509.09	kscf			
Total Plant Gas Cost	\$160,521.62	\$			
Total Plant Oil Flow	0.3	gals			
Total Plant Oil Cost	\$0.64	\$			
Total Plant Fuel Cost	\$160,522.26	\$			
Fuel Cost Per Heating Degree Day	\$654.63	\$/hdd			
Plant Average Steam Cost Per Degree Day	\$0.05	\$/klbs			
Total Plant Efficiency By I/O	87.6	%			
Condensate Transfer Pump #1 Run Time	0.3	hrs			
Condensate Transfer Pump #2 Run Time	355.4	hrs			
Condensate Transfer Pump #3 Run Time	360.0	hrs			
Boiler Feed Pump #1 Run Time	241.1	hrs			
Boiler Feed Pump #2 Run Time	127.2	hrs			
Boiler Feed Pump #3 Run Time	169.3	hrs			
Boiler Feed Pump #4 Run Time	178.0	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	1.3	253.4	308.5	231.2	hrs
Steam Flow	0.03	4177.55	5503.19	3294.77	klbs
Gas Flow	8.73	4729.92	5889.57	3880.87	kscf
Natural Gas Cost	\$96.57	\$52,329.64	\$65,159.57	\$42,935.84	\$
Oil Flow	0.1	0.1	0.1	0.1	gals
Oil Cost	\$0.16	\$0.16	\$0.16	\$0.16	\$
Total Fuel Cost	\$96.73	\$52,329.80	\$65,159.73	\$42,936.00	\$
Average Steam Cost	\$3,224.33	\$12.53	\$11.84	\$13.03	\$/klbs
Efficiency By Losses	83.8	81.8	82.1	82.7	%
Efficiency By I/O	0.3	86.5	91.5	83.1	%