

Southside Virginia Training Center

Heating Plant Month Operations Report

9/30/2007
 11:59 PM
 Monthly Report

Description

	Plant				Units
Heating Degree Days	52.04				hdd
Total Plant Steam Flow	3,590.46				klbs
Steam Flow Per Heating Degree Day	68.0				klbs/hdd
Total Condensate Return Water Flow	0.0				klbs
Total Plant Gas Flow	4,823.74				kscf
Total Plant Gas Cost	\$53,366.73				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$53,366.73				\$
Fuel Cost Per Heating Degree Day	\$1,025.49				\$/hdd
Plant Average Steam Cost Per Degree Day	\$0.29				\$/klbs
Total Plant Efficiency By I/O	71.9				%
Condensate Transfer Pump #1 Run Time	177.5				hrs
Condensate Transfer Pump #2 Run Time	207.4				hrs
Condensate Transfer Pump #3 Run Time	334.5				hrs
Boiler Feed Pump #1 Run Time	177.3				hrs
Boiler Feed Pump #2 Run Time	176.0				hrs
Boiler Feed Pump #3 Run Time	175.4				hrs
Boiler Feed Pump #4 Run Time	190.6				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	258.4	192.4	197.5	78.1	hrs
Steam Flow	1433.52	1116.48	608.41	382.14	klbs
Gas Flow	1662.37	1272.85	1352.29	536.23	kscf
Natural Gas Cost	\$18,391.41	\$14,082.23	\$14,961.54	\$5,931.55	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$18,391.41	\$14,082.23	\$14,961.54	\$5,931.55	\$
Average Steam Cost	\$12.83	\$12.61	\$24.59	\$15.52	\$/klbs
Efficiency By Losses	81.9	81.7	82.2	82.0	%
Efficiency By I/O	84.4	85.9	44.1	69.8	%

Note: Boiler #3 Efficiency By I/O is low due steam flow transmitter is reading low ,issue is being addressed.
 This is effecting Total Plant Efficiency By I/O as well.