

Southside Virginia Training Center

Heating Plant Month Operations Report

3/31/2011
11:59 PM
Monthly Report

Description

	Plant	Units			
Heating Degree Days	573.71	hdd			
Total Plant Steam Flow	9,588.43	klbs			
Steam Flow Per Heating Degree Day	16.7	klbs/hdd			
Total Condensate Return Water Flow	128.4	klbs			
Total Plant Gas Flow	11,096.17	kscf			
Total Plant Gas Cost	\$76,586.01	\$			
Total Plant Oil Flow	0.3	gals			
Total Plant Oil Cost	\$1.28	\$			
Total Plant Fuel Cost	\$76,587.29	\$			
Fuel Cost Per Heating Degree Day	\$133.49	\$/hdd			
Plant Average Steam Cost Per Degree Day	\$0.01	\$/klbs			
Total Plant Efficiency By I/O	84.6	%			
Condensate Transfer Pump #1 Run Time	330.1	hrs			
Condensate Transfer Pump #2 Run Time	168.0	hrs			
Condensate Transfer Pump #3 Run Time	246.4	hrs			
Boiler Feed Pump #1 Run Time	242.6	hrs			
Boiler Feed Pump #2 Run Time	164.2	hrs			
Boiler Feed Pump #3 Run Time	167.0	hrs			
Boiler Feed Pump #4 Run Time	168.5	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	242.5	170.8	171.7	170.8	hrs
Steam Flow	3434.45	2215.01	2137.76	1801.21	klbs
Gas Flow	3830.51	2610.75	2474.72	2180.19	kscf
Natural Gas Cost	\$26,438.17	\$18,019.42	\$17,080.59	\$15,047.83	\$
Oil Flow	0.1	0.1	0.1	0.1	gals
Oil Cost	\$0.32	\$0.32	\$0.32	\$0.32	\$
Total Fuel Cost	\$26,438.49	\$18,019.74	\$17,080.91	\$15,048.15	\$
Average Steam Cost	\$7.70	\$8.14	\$7.99	\$8.35	\$/klbs
Efficiency By Losses	83.1	78.8	82.2	81.8	%
Efficiency By I/O	87.8	83.1	84.6	80.9	%