

Southside Virginia Training Center

Heating Plant Month Operations Report

3/31/2011
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 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	%