Southside Virginia Training Center

Heating Plant Year Operations Report

12/31/2008
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Yearly Report

Description

	Plant	Units
Heating Degree Days	4,223.41	hdd
Total Plant Steam Flow	89,020.60	klbs
Steam Flow Per Heating Degree Day	21.1	klbs/hdd
Total Condensate Return Water Flow	633.1	klbs
Total Plant Gas Flow	105,190.30	kscf
Total Plant Gas Cost	$1,163,775.53	$
Total Plant Oil Flow	21.9	gals
Total Plant Oil Cost	$59.23	$
Total Plant Fuel Cost	$1,163,834.76	$
Fuel Cost Per Heating Degree Day	$275.57	$/hdd
Plant Average Steam Cost Per Degree Day	$0.00	$/klbs
Total Plant Efficiency By I/O	82.9	%
Condensate Transfer Pump #1 Run Time	2,839.2	hrs
Condensate Transfer Pump #2 Run Time	2,905.9	hrs
Condensate Transfer Pump #3 Run Time	3,025.3	hrs
Boiler Feed Pump #1 Run Time	2,237.7	hrs
Boiler Feed Pump #2 Run Time	2,249.1	hrs
Boiler Feed Pump #3 Run Time	2,546.4	hrs
Boiler Feed Pump #4 Run Time	1,736.6	hrs
Fuel Oil Pump #1 Run Time	0.7	hrs
Fuel Oil Pump #2 Run Time	0.1	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	1771.7	2169.8	2323.2	2676.8	hrs
Steam Flow	20070.47	21214.53	22336.74	25398.86	klbs
Gas Flow	24242.78	24365.67	25819.78	30762.07	kscf
Natural Gas Cost	$268,210.86	$269,568.39	$285,660.20	$340,336.08	$
Oil Flow	7.9	12.6	1.2	0.2	gals
Oil Cost	$31.47	$25.02	$2.42	$0.32	$
Total Fuel Cost	$268,242.33	$269,593.41	$285,662.62	$340,336.40	$
Average Steam Cost	$13.37	$12.71	$12.79	$13.40	$/klbs
Efficiency By Losses	82.6	82.1	81.9	82.1	%
Efficiency By I/O	81.1	85.3	84.7	80.9	%