Southside Virginia Training Center

Heating Plant Year Operations Report

12/31/2009
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Yearly Report

Description

	Plant	Units
Heating Degree Days	4,454.99	hdd
Total Plant Steam Flow	85,300.93	klbs
Steam Flow Per Heating Degree Day	19.1	klbs/hdd
Total Condensate Return Water Flow	1,706.2	klbs
Total Plant Gas Flow	100,966.72	kscf
Total Plant Gas Cost	$1,117,046.93	$
Total Plant Oil Flow	0.3	gals
Total Plant Oil Cost	$1.28	$
Total Plant Fuel Cost	$1,117,048.21	$
Fuel Cost Per Heating Degree Day	$250.74	$/hdd
Plant Average Steam Cost Per Degree Day	$0.00	$/klbs
Total Plant Efficiency By I/O	82.7	%
Condensate Transfer Pump #1 Run Time	2,400.4	hrs
Condensate Transfer Pump #2 Run Time	3,070.5	hrs
Condensate Transfer Pump #3 Run Time	3,283.0	hrs
Boiler Feed Pump #1 Run Time	2,395.1	hrs
Boiler Feed Pump #2 Run Time	2,204.9	hrs
Boiler Feed Pump #3 Run Time	2,038.9	hrs
Boiler Feed Pump #4 Run Time	2,187.7	hrs
Fuel Oil Pump #1 Run Time	15.8	hrs
Fuel Oil Pump #2 Run Time	6.5	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	2207.7	2425.5	2350.6	1831.9	hrs
Steam Flow	20903.50	23995.19	21949.40	18452.84	klbs
Gas Flow	24622.95	27805.19	25999.67	22538.91	kscf
Natural Gas Cost	$272,417.03	$307,622.42	$287,648.50	$249,358.98	$
Oil Flow	0.1	0.1	0.1	0.1	gals
Oil Cost	$0.32	$0.32	$0.32	$0.32	$
Total Fuel Cost	$272,417.35	$307,622.74	$287,648.82	$249,359.30	$
Average Steam Cost	$13.03	$12.82	$13.11	$13.51	$/klbs
Efficiency By Losses	81.8	81.9	82.0	82.1	%
Efficiency By I/O	83.1	84.5	82.7	80.2	%