Southside Virginia Training Center

Heating Plant Year Operations Report

12/31/2010
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Yearly Report

Description

	Plant	Units
Heating Degree Days	4,632.47	hdd
Total Plant Steam Flow	84,845.28	klbs
Steam Flow Per Heating Degree Day	18.3	klbs/hdd
Total Condensate Return Water Flow	1,799.5	klbs
Total Plant Gas Flow	101,285.07	kscf
Total Plant Gas Cost	$1,018,709.74	$
Total Plant Oil Flow	134.8	gals
Total Plant Oil Cost	$544.66	$
Total Plant Fuel Cost	$1,019,254.40	$
Fuel Cost Per Heating Degree Day	$220.02	$/hdd
Plant Average Steam Cost Per Degree Day	$0.00	$/klbs
Total Plant Efficiency By I/O	82.0	%
Condensate Transfer Pump #1 Run Time	2,856.1	hrs
Condensate Transfer Pump #2 Run Time	2,891.2	hrs
Condensate Transfer Pump #3 Run Time	3,005.7	hrs
Boiler Feed Pump #1 Run Time	1,989.3	hrs
Boiler Feed Pump #2 Run Time	2,227.9	hrs
Boiler Feed Pump #3 Run Time	2,252.8	hrs
Boiler Feed Pump #4 Run Time	2,278.3	hrs
Fuel Oil Pump #1 Run Time	1.2	hrs
Fuel Oil Pump #2 Run Time	4.9	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	2299.8	1752.2	2556.8	2144.6	hrs
Steam Flow	22350.40	16270.89	23926.43	22297.56	klbs
Gas Flow	25492.91	19526.70	28868.08	27397.38	kscf
Natural Gas Cost	$257,922.19	$192,909.49	$295,418.91	$272,459.15	$
Oil Flow	0.1	134.6	0.1	0.1	gals
Oil Cost	$0.32	$543.70	$0.32	$0.32	$
Total Fuel Cost	$257,922.51	$193,453.19	$295,419.23	$272,459.47	$
Average Steam Cost	$11.54	$11.89	$12.35	$12.22	$/klbs
Efficiency By Losses	81.6	79.1	82.4	82.0	%
Efficiency By I/O	85.9	81.5	81.2	79.7	%