

Southside Virginia Training Center

Heating Plant Year Operations Report

12/31/2007
11:59 PM
Yearly Report

Description

	Plant	Units			
Heating Degree Days	4,058.08	hdd			
Total Plant Steam Flow	106,473.90	klbs			
Steam Flow Per Heating Degree Day	26.2	klbs/hdd			
Total Condensate Return Water Flow	0.1	klbs			
Total Plant Gas Flow	122,469.80	kscf			
Total Plant Gas Cost	\$1,354,946.56	\$			
Total Plant Oil Flow	9,622.7	gals			
Total Plant Oil Cost	\$19,072.12	\$			
Total Plant Fuel Cost	\$1,374,018.68	\$			
Fuel Cost Per Heating Degree Day	\$338.59	\$/hdd			
Plant Average Steam Cost Per Degree Day	\$0.00	\$/klbs			
Total Plant Efficiency By I/O	84.2	%			
Condensate Transfer Pump #1 Run Time	2,264.8	hrs			
Condensate Transfer Pump #2 Run Time	3,386.0	hrs			
Condensate Transfer Pump #3 Run Time	3,043.3	hrs			
Boiler Feed Pump #1 Run Time	2,409.8	hrs			
Boiler Feed Pump #2 Run Time	2,288.0	hrs			
Boiler Feed Pump #3 Run Time	1,835.1	hrs			
Boiler Feed Pump #4 Run Time	2,185.5	hrs			
Fuel Oil Pump #1 Run Time	13.0	hrs			
Fuel Oil Pump #2 Run Time	80.1	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	2759.5	2051.6	1814.5	2852.2	hrs
Steam Flow	28978.05	23385.13	25872.33	28238.39	klbs
Gas Flow	33650.77	28101.79	26538.80	34178.44	kscf
Natural Gas Cost	\$372,293.83	\$310,905.35	\$293,615.95	\$378,131.43	\$
Oil Flow	0.2	0.2	9618.2	4.1	gals
Oil Cost	\$0.38	\$0.38	\$19,063.22	\$8.14	\$
Total Fuel Cost	\$372,294.21	\$310,905.73	\$312,679.17	\$378,139.57	\$
Average Steam Cost	\$12.85	\$13.30	\$12.09	\$13.39	\$/klbs
Efficiency By Losses	82.1	81.9	82.3	82.5	%
Efficiency By I/O	84.3	81.5	90.9	80.9	%