

# Southside Virginia Training Center

## Heating Plant Month Operations Report

8/31/2011  
 11:59 PM  
 Monthly Report

### Description

|   | <b>Plant</b>    |                 |                 |                 | <b>Units</b> |
|---|-----------------|-----------------|-----------------|-----------------|--------------|
| Heating Degree Days                     | 4.06            |                 |                 |                 | hdd          |
| Total Plant Steam Flow                  | 3,639.95        |                 |                 |                 | klbs         |
| Steam Flow Per Heating Degree Day       | 896.5           |                 |                 |                 | klbs/hdd     |
| Total Condensate Return Water Flow      | 230.3           |                 |                 |                 | klbs         |
| Total Plant Gas Flow                    | 4,851.75        |                 |                 |                 | kscf         |
| Total Plant Gas Cost                    | \$33,486.79     |                 |                 |                 | \$           |
| Total Plant Oil Flow                    | 0.0             |                 |                 |                 | gals         |
| Total Plant Oil Cost                    | \$0.00          |                 |                 |                 | \$           |
| Total Plant Fuel Cost                   | \$33,486.79     |                 |                 |                 | \$           |
| Fuel Cost Per Heating Degree Day        | \$8,247.98      |                 |                 |                 | \$/hdd       |
| Plant Average Steam Cost Per Degree Day | \$2.27          |                 |                 |                 | \$/klbs      |
| Total Plant Efficiency By I/O           | 73.5            |                 |                 |                 | %            |
| <hr/>                                   |                 |                 |                 |                 |              |
| Condensate Transfer Pump #1 Run Time    | 287.2           |                 |                 |                 | hrs          |
| Condensate Transfer Pump #2 Run Time    | 312.5           |                 |                 |                 | hrs          |
| Condensate Transfer Pump #3 Run Time    | 168.3           |                 |                 |                 | hrs          |
| Boiler Feed Pump #1 Run Time            | 173.9           |                 |                 |                 | hrs          |
| Boiler Feed Pump #2 Run Time            | 161.7           |                 |                 |                 | hrs          |
| Boiler Feed Pump #3 Run Time            | 256.5           |                 |                 |                 | hrs          |
| Boiler Feed Pump #4 Run Time            | 175.8           |                 |                 |                 | hrs          |
| Fuel Oil Pump #1 Run Time               | 13.3            |                 |                 |                 | hrs          |
| Fuel Oil Pump #2 Run Time               | 0.1             |                 |                 |                 | hrs          |
| <hr/>                                   |                 |                 |                 |                 |              |
|   | <b>Boiler 1</b> | <b>Boiler 2</b> | <b>Boiler 3</b> | <b>Boiler 4</b> | <b>Units</b> |
| Run Time                                | 163.1           | 244.5           | 152.5           | 166.2           | hrs          |
| Steam Flow                              | 795.82          | 1293.89         | 743.03          | 807.21          | klbs         |
| Gas Flow                                | 1132.66         | 1634.12         | 1002.12         | 1082.85         | kscf         |
| Natural Gas Cost                        | \$7,817.63      | \$11,278.73     | \$6,916.57      | \$7,473.86      | \$           |
| Oil Flow                                | 0.0             | 0.0             | 0.0             | 0.0             | gals         |
| Oil Cost                                | \$0.00          | \$0.00          | \$0.00          | \$0.00          | \$           |
| Total Fuel Cost                         | \$7,817.63      | \$11,278.73     | \$6,916.57      | \$7,473.86      | \$           |
| Average Steam Cost                      | \$9.82          | \$8.72          | \$9.31          | \$9.26          | \$/klbs      |
| Efficiency By Losses                    | 82.2            | 78.3            | 82.7            | 82.0            | %            |
| Efficiency By I/O                       | 68.8            | 77.5            | 72.6            | 73.0            | %            |