

1500lb Steam Temp Control

The project was to ensure that operations at the Client's plant had sufficient control to address start-up, shut down, and normal operating upsets for the heat recovery process.



1500lb Steam Temp Control

Alberta

Oil Sands & SAGD

\$700k TIC



SCOPE OF WORK

Replaced a manual quench water system with a control valve, flow meter, and new quills.

Installed a butterfly valve prior to the steam entering the unit to enable a more complete bypass.

IMPACT

The upper 12 rows in the convection section were changed resulting in adjustments on heat recovery in the process stream to the radiant section, increased the heat recovery in the HP steam coil, and reduced heat recovery in the process gas flow to the drum.