

Kathleen Truesdell

From: Gregory Darvin <darwin@atmosphericdynamics.com>
Sent: Tuesday, June 22, 2010 10:11 AM
To: Kathleen Truesdell
Subject: OGS - Auxiliary Boiler Startup, Shutdown, and Commissioning Emission
Attachments: Oakley 2x1 Auxiliary Boiler Startup and Commissioning Emissions.pdf

Hi Kathleen.

Attached is our estimate of the startup, shutdown, and commissioning emissions for the auxiliary boiler. If we eliminate the 20% margin on the auxiliary operating hours, we can accommodate the additional startup and shutdown emissions and not exceed our previously calculated annual emissions. We had included the 20% margin to allow overlap of the operation of the auxiliary boiler and combustion turbines. In other words, we assumed that the auxiliary boiler would run for 120% of the hours that the combustion turbines were both offline. This was an extremely conservative assumption in that we likely won't need to start up the auxiliary boiler until a while after both combustion turbines are shutdown (this is because of the stored thermal energy in the HRSGs).

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