

**From:** "Matthew P. Lydon" <mlydon@camsops.com>  
**To:** <Tyneshia.Tate@dnr.state.ga.us>, <susan.jenkins@dnr.state.ga.us>  
**CC:** "Mohammad, Sal" <Sal\_Mohammad@golder.com>  
**Date:** 5/15/2011 2:07 PM  
**Subject:** FW: Ticket 8989

Good Afternoon,

IT got PI up and running late Friday.

The calc of the maximum NOx lbs/hr during the Natural Gas to Fuel Oil Transfer Cold Start is 178.21 lbs/hr during hour 2 of the startup (our 07/2010 modeling uses a max of 183.1lbs/hr, in hour 4 of the startup). As you can see, having the ability to utilize the SCR early on helps out. I used a very conservative value of 100 ppmvd NOx pre-SCR for all fuel oil combustion times prior to water injection with 200 lbs/hr NH3 flow. The 200 lbs/hr NH3 flow is not maxed out, I wanted to show that we still have room to operate and still be less than the 183.1 lbs/hr NOx.

Matt

From: Matthew P. Lydon  
Sent: Friday, May 13, 2011 9:27 AM  
To: Susan Jenkins (susan.jenkins@dnr.state.ga.us); Tyneshia Tate (Tyneshia.Tate@dnr.state.ga.us)  
Subject: FW: Ticket 8989  
Importance: High

Good Morning,

Just to give you an update on the Fuel Oil Startup Transfer calculations. I received a new computer with a 64 bit system that is not yet compatible with the PI system (our IT is trying to setup a XP Mode session so I can run the calcs). I am going to be off my computer for most of today to let them troubleshoot.

Update you soon when I get it running.

Matt

From: Matthew P. Lydon  
Sent: Thursday, May 12, 2011 12:28 PM  
To: Support  
Subject: Ticket 8989  
Importance: High

Good Afternoon,

Can you guys give me an update on ticket #8989. I need PI to run some calculations to send to the Georgia Department of Environmental Protection for the Effingham Power Block II Expansion Project.

Matt

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