

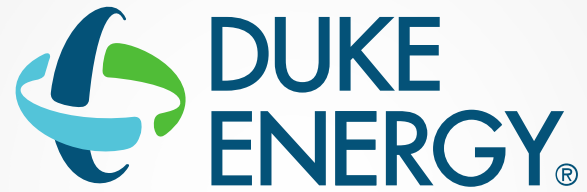
REINHOLD ENVIRONMENTAL Ltd.



2017 NO_x-Combustion-CCR Round Table Presentation

February 27 & 28, 2017, in Cleveland, OH / Hosted by FirstEnergy

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SCR Low-Load Operations Panel

2017 Nox/Combustion/CCR Roundtable – 2/28/17

SCR Low-Load Operations Panel

Introduction

- Panel Chair
 - Chad Donner – Duke Energy
- Panelists
 - Chao Lin – American Electric Power
 - Mike O'Connor – Dynegy
 - Chelsea Lucas – Southern Company

SCR Low-Load Operations Panel

Questions

1. Is your respective utility feeling pressure to operate SCR's at lower temperatures/loads for any of the following reasons?
 - Economic pressure from gas
 - Renewables pressure
 - Environmental pressure due to CASPR
 - Other
2. Has your respective utility acted on any of the following strategies to operate the SCR's at lower temperatures?
 - Traditional load/temperature limits
 - Enhanced SCR operation
 - Sorbent Injection to lower inlet SO₃
 - Other
3. How does your respective utility plan to control the operation while operating below the original temperature limits?
4. Has your respective utility seen any negative impacts to Low-Load SCR operation?
5. Has your respective utility seen pushback from operations as the min load burden is once again shifted towards the steam plant equipment?

