

**PRELIMINARY ANALYSIS LETTER ITEM #5:
Reference Email from John Litz**

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Item #5 from the preliminary analysis letter requested that the email from John Litz that was referenced in the application be provided. The email contained the emission factor for ammonia from the rotary kiln. The following is a portion of the email from John Litz sent on July 7, 2009. The entire email contained other process information that was not referenced in the air permit application; thus, only the portion of the email that was referenced in the air permit application is included for clarity. The original question that Kleinfelder had asked John Litz is in bold and John Litz's response is below the question.

Emissions from rotary kiln and casting wheel. What concentrations (particulate/ammonia) would be going to the scrubber. (Rotary kiln is electrically heated, so there are not any emissions related to the heat source itself).

At the ultimate design the kiln will be discharging 117 lb ammonia per hour. I do not know what sweep gas volume planned. I assume that a vendor has given Energy Fuels this information.

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