



Healthy People. Healthy Communities

August 29, 2017

Ms. Lizzette Danner
 Johnson Controls Battery Group, Inc.
 1800 Paper Mill Road
 Florence, SC 29501

RE: CX FEU Vents PM, Lead, and Sulfuric Acid Mist Emissions Testing – Conducted March 21-22, 2017 - REDACTED Summary

Dear Ms. Danner:

The Department has reviewed the referenced tests and the results are summarized below:

CX Plant FEU Vent Average Emissions Summary*			
Pollutant	Emission Rate (lb/hr)	Emission Concentration	Modeled Emission Rates
PM	1.68E-02	4.80E-05 gr/dscf	6.74E-03 lb/hr
Lead	1.83E-04	5.25E-07 gr/dscf	6.7E-04 lb/hr
Sulfuric Acid	6.12E-02	9.39E-02 ppm	6.06E-03 lb/hr

* CX FEU Unit BB15 was tested. These emission rates may be used as emission factors for all CX FEU Vents.

Note: CONFIDENTIAL process and control device information has been omitted from this summary and placed in the Department CONFIDENTIAL files

The PM and sulfuric acid emission rates are greater than the Modeled Emissions Rates in the Attachment of Permit #1040-0129-CC. Please notify the Department (attention Derek Williams) by **September 30, 2017**, of your plans to resolve this issue. Some options are to retest the source or re-model the source to demonstrate compliance at the tested emission rates. Although retesting would probably still show an exceedance of the current modeled emissions, it may demonstrate lower PM and sulfuric acid emissions, which could be used for re-modeling.

If you decide to retest, the tests will be subject to SC Regulation 61-62.1 Section IV which includes test plan submittal and notification requirements. If you decide to re-model, please contact the Department's Engineering Services Division and submit a permit application requesting an increase in emissions that includes modeling to demonstrate compliance. Your Permit Engineer, Breanna Lindler, can be reached via e-mail at lindlebl@dhec.sc.gov or by phone at 803-898-0457.

Compliance Status:
 (Permit No. 1040-0129-CC).....**Compliance**
 (40 CFR 63, Subpart X).....**Compliance**

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If I can be of further assistance, please do not hesitate to call me at (803) 898-0834 or e-mail me at williadt@dhec.sc.gov.

Sincerely,



Derek T. Williams
Environmental Health Manager
Source Evaluation Section
SC DHEC Bureau of Air Quality

Cc: Compliance file 1040-0129

Ec: Michael Shroup, BAQ Dawn Jordan, BAQ Nell Orscheln, BAQ
Brittany Staples, BAQ Connie Turner, BAQ
Breanna Lindler, BAQ Bryan Baxley, Pee Dee Region - Florence BEHS