



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

May 11, 2016

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

Re: Furnace 1 PM, Lead, & SO2 Emissions Testing and Furnaces 2 & 3 Lead Emissions Testing – Conducted January 19-22 and February 9-10, 2016 - Redacted Summary

Dear Ms. Danner:

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

Furnace No. 1 (ID 07) Average Emissions			
Pollutant	Emission Concentration	Emission Rate	Emission Limit
Particulate Matter	1.10E-03 gr/dscf	0.42 lb/hr	0.022 gr/dscf 12.1 ¹ lb/hr
Lead	4.44E-07 gr/dscf	1.76E-04 lb/hr	8.70E-05 gr/dscf
Sulfur Dioxide ²	0.00 ppm	0.00E-04 lb/hr	<100 tpy ³

¹Based on SC Regulation 61-62.5, Standard No. 4.

²Sulfur dioxide emissions testing was conducted for engineering purposes.

³Facility-wide emission limit.

Furnace No. 2 (ID 08) Average Emissions			
Pollutant	Emission Rate	Emission Concentration	Emission Limit
Lead	9.48E-05 lb/hr	2.20E-07 gr/dscf	8.70E-05 gr/dscf

Furnace No. 3 (ID 09) Average Emissions			
Pollutant	Emission Rate	Emission Concentration	Emission Limit
Lead	3.00E-04 lb/hr	9.33E-07 gr/dscf	8.70E-05 gr/dscf

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Compliance Status:

Furnaces 1, 2, and 3 (Unit ID 07, 08, 09)
(Permit No. 1040-0129-CA).....**Compliance**
(40 CFR 63, Subpart X).....**Compliance**

The next source test for particulate matter for Furnace 1 shall be conducted no later than **January 31, 2018**. The next source test for lead for Furnaces 1, 2, and 3 shall be conducted no later than **January 31, 2017**.

If I can be of further assistance, please do not hesitate to call me at (803) 898-0834 or e-mail me at williad@dhc.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
James Myers, BAQ
Mary Peyton Wall, BAQ

Brittany Decker, BAQ
Heinz Kaiser, BAQ
Bryan Baxley, Pee Dee Region – Florence BEHS

Dawn Jordan, BAQ
Christopher Hardee, BAQ