



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: Refining Process Stack (ID 11), Refining Ventilation (ID 12), and Slag Warehouse (ID 14) Emissions Testing – Conducted February 10-12, 2016 - Redacted Summary

Dear Ms. Danner:

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

Refining Ventilation (ID 12) Average Emissions Summary*			
Pollutant	Emission Rate	Emission Concentration	Emission Limit
Lead	9.10E-04 lb/hr	2.28E-05 gr/dscf 0.05 mg/dscm	8.70E-05 gr/dscf 0.2 mg/dscm

*One vent was sampled. Results may be used for calculating emissions from all refining vents.

Refining Kettles and Casting - Process Stack (ID 11) Average Emissions Summary			
Pollutant	Emission Rate	Emission Concentration	Emission Limit
Lead	1.78E-04 lb/hr	2.72E-07 gr/dscf 6.22E-04 mg/dscm	8.70E-05 gr/dscf 0.2 mg/dscm

Slag Warehouse (ID 14) Average Emissions			
Pollutant	Emission Rate	Emission Concentration	Emission Limit
Particulate Matter	8.62E-02 lb/hr	2.64E-04 gr/dscf	5.66 ¹ lb/hr
Lead	2.20E-04	6.72E-07 gr/dscf	8.70E-05 gr/dscf

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

Compliance Status:

Refining Process, Refining Ventilation, & Slag Warehouse (Unit ID 11, 12, & 14)

(Permit No. 1040-0129-CA).....**Compliance**

(40 CFR 63, Subpart X).....**Compliance**

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The next source test for lead for the Slag Warehouse, Refining Process stack, and the Refining Ventilation shall be conducted no later than **February 28, 2017**. The next source test for particulate matter for the slag warehouse shall be conducted no later than **February 28, 2018**.

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
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