



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

July 1, 2015

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

Re: CX Scrubber (ID 01), Foundry Ventilation (ID 10), and Slag Warehouse (ID 14) Emissions Testing – Conducted December 9-11, 2014 – Redacted Summary

Dear Ms. Danner:

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

CX Scrubber (ID 01) Average Emissions Summary			
Pollutant	Emission Concentration	Emission Rate (lb/hr)	Emission Limit
PM	1.42E-03 gr/dscf	1.70E-01	8.98 lb/hr*
Lead	2.33E-05 gr/dscf	2.34E-03	8.70E-05 gr/dscf
H ₂ SO ₄ **	8.27E-03 ppm	1.68E-02	-----

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

**Includes SO₃.

Foundry Ventilation (ID 10) Average Emissions Summary			
Pollutant	Emission Concentration	Emission Rate (lb/hr)	Emission Limit
PM	3.32E-04 gr/dscf	2.18E-01	-----
Lead	9.57E-07 gr/dscf	6.30E-04	8.70E-05 gr/dscf

Slag Warehouse (ID 14) Average Emissions Summary			
Pollutant	Emission Concentration	Emission Rate (lb/hr)	Emission Limit
PM	1.43E-04 gr/dscf	4.18E-02	5.66 lb/hr*
Lead	5.77E-07 gr/dscf	1.68E-04	8.70E-05 gr/dscf

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

Lizzette Danner
July 1, 2015
Page 2

During the source test of the CX Scrubber stack, the parametric monitoring data indicates JCI failed to maintain the total enclosure negative pressure in the range required by 40 CFR 63, Subpart X. In accordance with 40 CFR 63.544(c)(1) to demonstrate compliance with the standard for differential pressure, you must ventilate the total enclosure continuously to ensure negative pressure values of at least 0.013 mm of mercury (0.007 inches of water). This matter is being referred to the Bureau of Air Quality Enforcement Section for review and resolution.

Compliance Status:

CX Plant (Unit ID 01)
(Permit No. 1040-0129-CA).....**Compliance**
Pb(40 CFR 63, Subpart X).....**Compliance**
(40 CFR 63.544(c)(1)).....**Violation**

Foundry Ventilation, and Slag Warehouse (Unit ID 10, & 14)
(Permit No. 1040-0129-CA).....**Compliance**
Pb(40 CFR 63, Subpart X).....**Compliance**

The next test for sulfuric acid mist and particulate matter for the CX Plant shall be conducted no later than **December 31, 2016**. The next source test for particulate matter for the Slag Warehouse and the Foundry Ventilation shall be conducted no later than **December 31, 2016**. The next source test for lead emissions from these sources shall be conducted no later than **December 31, 2015**.

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 David Meekins, BAQ Dawn Jordan, BAQ
Eve Leitzsey, BAQ James Myers, BAQ Heinz Kaiser, BAQ
Mary Peyton Wall, BAQ Christopher Hardee, BAQ Randy Stewart, BAQ
Bryan Baxley, Pee Dee Region – Florence BEHS