



Catherine B. Templeton, Director

*Promoting and protecting the health of the public and the environment*

September 19, 2013

Mr. Gary Minck  
 Johnson Controls Battery Group, Inc.  
 1800 Paper Mill Road  
 Florence, SC 29501

**RE: No. 1 and No. 2 Smelter Furnaces, Hornito Melter, Kettle Combustion, and Kettle Process CEMS Initial Certification Testing – Conducted January 16-18, 22-23, and 31, 2013 – Revision 1**

**No. 3 Smelter Furnace CEMS Initial Certification Testing and Kettle Process and Hornito Melter Alternative RATA Testing – Conducted May 21, 2013 – Revision 1**

Dear Mr. Minck;

The reports for the referenced tests have been reviewed by the Department. The following monitors meet the Performance Specifications of 40 CFR 60, Appendix B and are approved for regulatory monitoring and reporting purposes:

Source	Analyzer	Model No.	Serial No.
No. 1 Smelter Furnace	Volumetric Flow Rate	MCU-NWODN01000NNE	12208575
No. 2 Smelter Furnace			12208578
No.3 Smelter Furnace			12218559
Hornito Melter			12208561
Kettle Combustion			12208561
Kettle Process			12208579

The following monitors met the relative accuracy requirements but not the calibration gas concentration certification reporting requirements of 40 CFR Appendix B, Performance Specification 2 and 4 because cylinder gas certificates were unavailable. A calibration drift test must be performed on these monitors in accordance with the applicable performance specification.

Source	Analyzer	Model No.	Serial No.
No. 1 Smelter Furnace	NOx	42i	1209052236
	CO	48i-TLE	1209052244
No. 2 Smelter Furnace	NOx	42i	1209052238
	CO	48i-TLE	1209052242
No.3 Smelter Furnace	NOx	42i	1209052239
	CO	48i-TLE	1209052241
Hornito Melter	NOx	42i	1209052235
	CO	48i-TLE	1209052243
Kettle Combustion	NOx	42i	1209052240
Kettle Process	NOx	42i	1209052237

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The No. 1 Smelter Furnace CO monitor (Model 48i-TLE, S/N 1209052244) did not meet the relative accuracy requirements and the calibration gas concentration reporting requirements of 40 CFR Appendix B, Performance Specification 4. Johnson Controls must perform both a relative accuracy test and a calibration drift test on this monitor.

The No. 3 Smelter Furnace CO monitor (Model 48i-TLE, S/N 1209052241) met the calibration drift test requirements but did not meet the relative accuracy requirements of 40 CFR Appendix B, Performance Specification 4. Johnson Controls must perform only a relative accuracy test on this monitor.

The No. 3 Smelter Furnace NOx monitor (Model 42i, S/N 1209052239) did not meet calibration drift test requirements of 40 CFR Appendix B, Performance Specification 2. Johnson Controls must perform a calibration drift test on this monitor.

Johnson Controls conducted testing of No. 1 and No.2 Furnaces, the Melter, Kettle Combustion, and Kettle Process CEMS in January 2013 and did not submit the test reports until June 10, 2013. Henceforth, Johnson Controls shall submit test reports to the Department within 30 days of completion in accordance with S.C. Regulation 61-62.1 Section IV Source Tests unless an alternative date has been requested in and approved with the site-specific test plan.

Please submit a notification to the Department to conduct the required retests no later than **October 18, 2013**.

If I can be of further assistance, please call me at (803) 898-0834 or e-mail me at [williadt@dhec.sc.gov](mailto: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                      Dawn Jordan                      Carol Boney  
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