

Title V Semi-Annual Monitoring Verification Report
September 1, 2014 to February 28, 2015

Title V – Monitoring Report Deviations

| Source | Permit ID | Description | Deviation Period | | | | Cause of Deviation | Corrective Actions Taken To Remedy or Mitigate Deviation Situation |
|------------|----------------------|------------------------------------|------------------|--------|----------|--------|--|--|
| | | | Start | | End | | | |
| | | | Date | Time | Date | Time | | |
| S-1 Cupola | 40 CFR 63.7710(b)(2) | Operating limit for capture system | 9/1/14 | Varies | 2/26/15 | Varies | Operational parameters; draft pressure 3-hour average dropped below 0.2 inches of water column vacuum | Consult with corporate consultant to determine best operational parameter. |
| S-1 Cupola | 40 CFR 63.7710(a) | Excess Emissions | 12/17/14 | 0657 | 12/17/14 | 0703 | On December 17, 2014, the Cupola Furnace (S-1) entered into spill mode and the Cupola Cap opened due to the high differential pressure in the cupola bag house (A-19). The differential pressure did not exceed 10 inches of water column as specified in our Title V Permit. As soon as the system reaches the set point, the safety mode is enabled. | Corrective actions included adding an alarm on the cupola control screen to notify the operator that the differential pressure is increasing and adding an automatic spill mode before the safety feature is triggered. Emissions are minimized during these upsets by sending the Cupola into automatic spill/idle mode. On December 23, 2014, AB&I submitted a 10-Day Title V Deviation and 30-Day Corrective Action Report to the BAAQMD. |