**Resolute Forest Products – Catawba Mill**
5300 Cureton Ferry Road
Post Office Box 7
Catawba, SC 29704-0007

resolute
Forest Products

FED EX NO. 8089 0798 3194

October 12, 2015

Mr. Heinz Kaiser, Manager
Air Toxics
SCDHEC Bureau of Air Quality
2600 Bull Street
Columbia SC 29201-1708

Re: MACT II Excess Emissions and Monitoring System Performance Reports
Air Permit No. TV 2440-0005

Dear Mr. Kaiser:

The purpose of this submittal is to meet the quarterly excess emission reporting requirements applicable to the Resolute Forest Products – Catawba Mill associated with the National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry (40 CFR 63, Subpart MM). The sources covered under Subpart MM are the No. 2 Recovery Boiler, No. 3 Recovery Boiler, No. 2 and No. 3 Smelt Dissolving Tank Vent, and the No. 2 Lime Kiln. This submittal meets the requirements of the Excess Emissions and Continuous Monitoring System (CMS) Performance Report pursuant to Sections 63.867(c) and 63.10(c), respectively.

Excess emissions and CMS downtime for the reporting period were less than 1% and 5% respectively for all systems. Therefore, only the summary reports are attached as allowed in §63.10(e)(3)(vii). For SSM purposes when an emission has occurred, specific information about the type and duration is reported on the enclosed log(s). All SSM events were consistent with the SSM Plan.

Based on information and belief formed after reasonable inquiry, I certify to the best of my knowledge, that the statements and information in this submission are true, accurate, and complete. If you have any questions or require additional information, please contact Dale Herendeen at (803) 981-8009.

Sincerely,

Patrick T. Moore

Patrick Moore
General Manager

PM/dlh
File 232.12

Enclosures

cc: Zach Pensa, Midlands EQC Lancaster

# QUARTERLY REPORT SUMMARY

## GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

| | |
|---|---|
| Pollutant: | Opacity |
| Time Period: | Minutes |
| Reporting Period: | July 1, 2015 through September 30, 2015 |
| Process Unit Description: | No. 2 Recovery Boiler |
| Company: | Resolute Forest Products – Catawba Mill |
| Emission Limits: | 35% |
| Monitor Manufacturer(s) and Model Number(s): | Teledyne Monitor Labs / Light Hawk 560 Opacity Monitor |
| Last CMS Certification or Audit Date: | Certification: October 20, 2006 / Audit: August 19, 2015 |
| Total Source Operating Time in Reporting Period: | 132,480 Minutes |

### EMISSION DATA SUMMARY

| Reason for Excess Emissions | Duration (minutes) | |
|---|---|---|
| | Over 35% | Over 20% for 60 minutes |
| A. Startup/Shutdown | 0 | 0 |
| B. Malfunctions | | |
| Process/Instrument System | 0 | 0 |
| Control Equipment | 0 | 0 |
| Fuel Problems | 0 | 0 |
| Other Known Cause | 0 | 0 |
| Other Unknown Cause | 0 | 0 |
| Total Number of Incidents | 0 | 0 |
| Excess Emissions/Process Operating Time | 0.00 % | NA |

### CMS PERFORMANCE SUMMARY

| Reason for Monitor Downtime | Duration (minutes) |
|---|---|
| Monitor Equipment Malfunctions | 1659 |
| Non-Monitor Equipment Malfunctions | 0 |
| Quality Assurance | 60 |
| Other Known Cause | 66 |
| Other Unknown Cause | 0 |
| Total Number of Incidents | 86 |
| Percent Monitor Downtime | 1.35 % |

There were no changes in the continuous monitoring systems, processes, or control devices since the last reporting period.

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: Patrick T. Moore

# QUARTERLY REPORT SUMMARY

## GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

| | |
|---|---|
| Pollutant: | Opacity |
| Time Period: | Minutes |
| Reporting Period: | July 1, 2015 through September 30, 2015 |
| Process Unit Description: | No. 3 Recovery Boiler |
| Company: | Resolute Forest Products – Catawba Mill |
| Emission Limits: | 35% |
| Monitor Manufacturer(s) and Model Number(s): | Teledyne Monitor Labs / Light Hawk 560 Opacity Monitor |
| Last CMS Certification or Audit Date: | Certification: July 31, 2010 / Audit: August 19, 2015 |
| Total Source Operating Time in Reporting Period: | 130,970 Minutes |

### EMISSION DATA SUMMARY

| Reason for Excess Emissions | Duration (minutes) | |
|---|---|---|
| | Over 35% | Over 20% for 60 minutes |
| A. Startup/Shutdown | 0 | 0 |
| B. Malfunctions | | |
| Process/Instrument System | 0 | 0 |
| Control Equipment | 36 | 150 |
| Fuel Problems | 0 | 0 |
| Other Known Cause | 0 | 0 |
| Other Unknown Cause | 0 | 0 |
| Total Number of Incidents | 1 | 2 |
| Excess Emissions/Process Operating Time | 0.03 % | NA |

### CMS PERFORMANCE SUMMARY

| Reason for Monitor Downtime | Duration (minutes) |
|---|---|
| Monitor Equipment Malfunctions | 6 |
| Non-Monitor Equipment Malfunctions | 0 |
| Quality Assurance | 60 |
| Other Known Cause | 0 |
| Other Unknown Cause | 0 |
| Total Number of Incidents | 4 |
| Percent Monitor Downtime | 0.05 % |

There were no changes in the continuous monitoring systems, processes, or control devices since the last reporting period.

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: Patrick T. Moore

# QUARTERLY REPORT SUMMARY

## GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

| | |
|---|---|
| Pollutant: | Opacity |
| Time Period: | Minutes |
| Reporting Period: | July 1, 2015 through September 30, 2015 |
| Process Unit Description: | No. 2 Lime Kiln |
| Company: | Resolute Forest Products – Catawba Mill |
| Emission Limits: | 20% |
| Monitor Manufacturer(s) and Model Number(s): | Monitor Labs USI 550 Opacity Monitor |
| Last CMS Certification or Audit Date: | Certification: October 27, 2012 / Audit: July 22, 2015 |
| Total Source Operating Time in Reporting Period: | 126,160 Minutes |

### EMISSION DATA SUMMARY

| Reason for Excess Emissions | Duration (minutes) | |
|---|---|---|
| | Over 20% | Over 20% for 60 minutes |
| A. Startup/Shutdown | 12 | 0 |
| B. Malfunctions | | |
| Process/Instrument System | 0 | 0 |
| Control Equipment | 42 | 60 |
| Fuel Problems | 0 | 0 |
| Other Known Cause | 0 | 0 |
| Other Unknown Cause | 0 | 0 |
| Total Number of Incidents | 5 | 1 |
| Excess Emissions/Process Operating Time | 0.04 % | NA |

### CMS PERFORMANCE SUMMARY

| Reason for Monitor Downtime | Duration (minutes) |
|---|---|
| Monitor Equipment Malfunctions | 829 |
| Non-Monitor Equipment Malfunctions | 0 |
| Quality Assurance | 120 |
| Other Known Cause | 0 |
| Other Unknown Cause | 0 |
| Total Number of Incidents | 7 |
| Percent Monitor Downtime | 0.78 % |

There were no changes in the continuous monitoring systems, processes, or control devices since the last reporting period.

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: Patrick T. Moore

# QUARTERLY REPORT SUMMARY

## GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

| | |
|---|---|
| Pollutant: | Particulate Matter |
| Time Period: | Hours |
| Reporting Period: | July 1, 2015 through September 30, 2015 |
| Process Unit Description: | No. 2 and No. 3 Smelt Dissolving Tank Vent |
| Company: | Resolute Forest Products – Catawba Mill |
| Emission Limits: | 0.2 lbs/ton BLS |
| Operating Parameters: | Differential Pressure > 1.5 inches of water column<br>Liquid Flow Rate > 65 gpm |
| Monitor Manufacturer(s) and Model Number(s): | DP – Rosemount 3051CD2A02A1AM5E55<br>Liquid Flow Rate – Foxboro IMT25PDADB10N-AB |
| Last CMS Certification or Audit Date: | Certification: August 3, 2004 (both)<br>Audits: September 2, 2015 (DP), August 13, 2015 (Flow) |

Total Source Operating Time in Reporting Period: 2,081 hours

### EMISSION DATA SUMMARY

| Reason for Excess Emissions | Duration (hrs) |
|---|---|
| A. Startup/Shutdown | 0 |
| B. Malfunctions | |
| Process System | 1 |
| Control Equipment | 0 |
| Other Known Cause | 0 |
| Other Unknown Cause | 0 |
| Total Number of Incidents | 1 |
| Excess Emissions / Process Operating Time | 0.05 % |

### CMS PERFORMANCE SUMMARY

| Reason for Monitor Downtime | Duration (hrs) |
|---|---|
| Monitor Equipment Malfunctions | 0 |
| Non-Monitor Equipment Malfunctions | 0 |
| Quality Assurance | 0 |
| Other Known Cause | 0 |
| Other Unknown Cause | 0 |
| Total Number of Incidents | 0 |
| Percent Monitor Downtime | 0.00 % |

There were no changes in the continuous monitoring systems, processes, or control devices since the last reporting period.

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: Patrick T. Moore

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Resolute Forest Products – Catawba Mill
5300 Cureton Ferry Road
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ID 2505

TV

# CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

## Recovery Boiler No. 2

**Reporting Period 7/1/15 to 9/30/15**

Permit Conditions 5.C.07.2(A), 5.C.14, & MACT.5(A2)

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

| Incident No. | Date | Start Time (am or pm) | % Opacity or ppm | Monitor (Check One) | | | | Nature and Cause of Incident | Corrective Action |
|---|---|---|---|---|---|---|---|---|---|
| | | | | OPA | TRS | O2 | Duration (Minutes) | | |
| | | | | | | | | | |
| 1 | 7/4/2015 | 6:30 AM | - | x | | | 30 | out of alignment | realigned monitor |
| 2 | 7/4/2015 | 9:50 AM | - | x | | | 20 | purge failure alarm | changed purge filters |
| 3 | 7/6/2015 | 5:00 AM | - | x | | | 30 | out of alignment | realigned monitor |
| 4 | 7/6/2015 | 10:20 AM | - | x | | | 20 | out of alignment | realigned monitor |
| 5 | 7/6/2015 | 5:20 PM | - | x | | | 15 | out of alignment | realigned monitor |
| 6 | 7/8/2015 | 10:48 AM | - | x | | | 32 | out of alignment | realigned monitor |
| 7 | 7/9/2015 | 8:56 AM | - | x | | | 7 | out of alignment | realigned monitor |
| 8 | 7/9/2015 | 10:27 AM | - | x | | | 3 | out of alignment | realigned monitor |
| 9 | 7/11/2015 | 10:35 AM | - | x | | | 20 | out of alignment | realigned monitor |
| 10 | 7/11/2015 | 2:18 PM | - | x | | | 52 | out of alignment | realigned monitor |
| 11 | 7/12/2015 | 10:00 AM | - | x | | | 10 | out of alignment | realigned monitor |
| 12 | 7/12/2015 | 2:35 PM | - | x | | | 15 | out of alignment | realigned monitor |
| 13 | 7/13/2015 | 8:24 PM | - | x | | | 24 | falsely high rdgs due to intense rain | storm subsided |
| 14 | 7/14/2015 | 1:06 PM | - | x | | | 30 | out of alignment | realigned monitor |
| 15 | 7/15/2015 | 1:48 PM | - | x | | | 27 | out of alignment | realigned monitor |
| 16 | 7/19/2015 | 8:45 AM | - | x | | | 15 | out of alignment | realigned monitor |
| 17 | 7/19/2015 | 2:36 PM | - | x | | | 24 | out of alignment | realigned monitor |
| 18 | 7/20/2015 | 7:48 AM | - | x | | | 5 | out of alignment | realigned monitor |
| 19 | 7/20/2015 | 2:12 PM | - | x | | | 18 | out of alignment | realigned monitor |
| 20 | 7/21/2015 | 8:30 AM | - | x | | | 28 | out of alignment | realigned monitor |
| 21 | 7/22/2015 | 4:00 PM | - | x | | | 25 | out of alignment, obstruction | realigned monitor, cleaned |
| 22 | 7/23/2015 | 11:00 AM | - | x | | | 25 | out of alignment | realigned monitor |
| 23 | 7/23/2015 | 1:45 PM | - | x | | | 6 | out of alignment | realigned monitor |
| 24 | 7/29/2015 | 1:40 AM | - | x | | | 45 | out of alignment | realigned monitor |
| 25 | 7/29/2015 | 3:00 PM | - | x | | | 3 | out of alignment | realigned monitor |
| 26 | 7/30/2015 | 9:48 AM | - | x | | | 24 | out of alignment | realigned monitor |
| 27 | 7/30/2015 | 5:12 PM | - | x | | | 24 | out of alignment | realigned monitor |
| | | | | | | | | | |
| 1 | 8/1/2015 | 12:50 AM | - | x | | | 10 | out of alignment | realigned monitor |
| 2 | 8/2/2015 | 9:40 PM | - | x | | | 15 | out of alignment | realigned monitor |
| 3 | 8/3/2015 | 11:18 AM | - | x | | | 20 | out of alignment | realigned monitor |
| 4 | 8/3/2015 | 8:42 PM | - | x | | | 24 | out of alignment | realigned monitor |
| 5 | 8/4/2015 | 5:30 AM | - | x | | | 15 | out of alignment | realigned monitor |
| 6 | 8/5/2015 | 7:10 PM | - | x | | | 15 | out of alignment | realigned monitor |
| 7 | 8/6/2015 | 1:01 AM | - | x | | | 6 | out of alignment | realigned monitor |
| 8 | 8/6/2015 | 10:00 PM | - | x | | | 15 | out of alignment | realigned monitor |
| 9 | 8/7/2015 | 1:54 AM | - | x | | | 17 | out of alignment | realigned monitor |
| 10 | 8/9/2015 | 9:12 PM | - | x | | | 18 | out of alignment | realigned monitor |
| 11 | 8/11/2015 | 5:12 AM | - | x | | | 8 | out of alignment | realigned monitor |
| 12 | 8/11/2015 | 10:48 PM | - | x | | | 42 | monitor affected by heavy rain & wind (thunderstorm) | storm subsided |
| 13 | 8/12/2015 | 8:00 PM | - | x | | | 40 | purge failure alarm | changed purge switch |
| 14 | 8/15/2015 | 3:25 AM | - | x | | | 10 | out of alignment | realigned monitor |
| 15 | 8/15/2015 | 11:06 AM | - | x | | | 24 | out of alignment | realigned monitor |
| 16 | 8/15/2015 | 3:48 PM | - | x | | | 19 | out of alignment | realigned monitor |
| 17 | 8/16/2015 | 10:55 AM | - | x | | | 15 | out of alignment | realigned monitor |
| 18 | 8/16/2015 | 2:30 PM | - | x | | | 5 | out of alignment | realigned monitor |

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ID 2505

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TV

# CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

## Recovery Boiler No. 2

**Reporting Period 7/1/15 to 9/30/15**

Permit Conditions 5.C.07.2(A), 5.C.14, & MACT.5(A2)
This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

| Incident No. | Date | Start Time (am or pm) | % Opacity or ppm | Monitor (Check One) | | | | Nature and Cause of Incident | Corrective Action |
|---|---|---|---|---|---|---|---|---|---|
| | | | | OPA | TRS | O2 | Duration (Minutes) | | |
| 19 | 8/17/2015 | 1:45 AM | - | x | | | 10 | out of alignment | realigned monitor |
| 20 | 8/17/2015 | 9:48 AM | - | x | | | 22 | out of alignment | realigned monitor |
| 21 | 8/17/2015 | 7:53 PM | - | x | | | 7 | out of alignment | realigned monitor |
| 22 | 8/19/2015 | 10:54 AM | - | x | | | 6 | out of alignment | realigned monitor |
| 23 | 8/19/2015 | 11:30 AM | - | x | | | 60 | annual monitor QA check | completed |
| 24 | 8/20/2015 | 8:30 PM | - | x | | | 24 | out of alignment | realigned monitor |
| 25 | 8/21/2015 | 7:36 AM | - | x | | | 19 | out of alignment | realigned monitor |
| 26 | 8/25/2015 | 9:20 AM | - | x | | | 7 | out of alignment | realigned monitor |
| 27 | 8/25/2015 | 1:55 PM | - | x | | | 15 | out of alignment | realigned monitor |
| 28 | 8/26/2015 | 4:36 PM | - | x | | | 12 | out of alignment | realigned monitor |
| 29 | 8/26/2015 | 5:10 PM | - | x | | | 10 | out of alignment | realigned monitor |
| 30 | 8/30/2015 | 11:42 AM | - | x | | | 6 | out of alignment | realigned monitor |
| 31 | 8/30/2015 | 11:50 AM | - | x | | | 10 | out of alignment | realigned monitor |
| 32 | 8/30/2015 | 5:10 PM | - | x | | | 15 | out of alignment | realigned monitor |
| 33 | 8/31/2015 | 5:30 AM | - | x | | | 15 | out of alignment | realigned monitor |
| 34 | 8/31/2015 | 2:10 PM | - | x | | | 15 | out of alignment | realigned monitor |
| | | | | | | | | | |
| 1 | 9/2/2015 | 11:05 AM | - | x | | | 10 | out of alignment | realigned monitor |
| 2 | 9/2/2015 | 3:30 PM | - | x | | | 30 | out of alignment | realigned monitor |
| 3 | 9/2/2015 | 5:20 PM | - | x | | | 35 | instrument malfunction, purge failure | replaced air purge switch on mon side |
| 4 | 9/3/2015 | 8:00 AM | - | x | | | 10 | out of alignment | realigned monitor |
| 5 | 9/3/2015 | 1:30 PM | - | x | | | 10 | out of alignment | realigned monitor |
| 6 | 9/6/2015 | 3:55 AM | - | x | | | 10 | out of alignment | realigned monitor |
| 7 | 9/6/2015 | 1:55 PM | - | x | | | 15 | out of alignment | realigned monitor |
| 8 | 9/7/2015 | 5:30 AM | - | x | | | 15 | out of alignment | realigned monitor |
| 9 | 9/8/2015 | 4:30 PM | - | x | | | 15 | out of alignment | realigned monitor |
| 10 | 9/9/2015 | 5:15 PM | - | x | | | 39 | out of alignment | realigned monitor |
| 11 | 9/10/2015 | 11:00 AM | - | x | | | 20 | out of alignment | realigned monitor |
| 12 | 9/10/2015 | 4:00 PM | - | x | | | 120 | excessive dirt on lens | cleaned lens, ran cal set & final cal |
| 13 | 9/10/2015 | 7:36 PM | - | x | | | 44 | out of alignment | realigned monitor |
| 14 | 9/12/2012 | 2:00 AM | - | x | | | 22 | out of alignment | realigned monitor |
| 15 | 9/13/2015 | 1:30 AM | - | x | | | 30 | out of alignment | realigned monitor |
| 16 | 9/14/2015 | 12:12 PM | - | x | | | 28 | out of alignment | realigned monitor |
| 17 | 9/15/2015 | 2:12 AM | - | x | | | 14 | out of alignment | realigned monitor |
| 18 | 9/15/2015 | 9:54 AM | - | x | | | 36 | out of alignment | realigned monitor |
| 19 | 9/15/2015 | 9:24 PM | - | x | | | 24 | out of alignment | realigned monitor |
| 20 | 9/16/2015 | 10:48 AM | - | x | | | 42 | out of alignment | realigned monitor |
| 21 | 9/29/2015 | 9:31 AM | - | x | | | 8 | out of alignment | realigned monitor |
| 22 | 9/30/2015 | 10:36 AM | - | x | | | 45 | out of alignment | realigned monitor |
| 23 | 9/30/2015 | 4:30 PM | - | x | | | 15 | out of alignment | realigned monitor |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: Patrick T. Moore

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Forest Products

ID 5105

Resolute Forest Products – Catawba Mill
5300 Cureton Ferry Road
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NSPS

# CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

## Recovery Boiler No. 3

**Reporting Period 7/1/15 to 9/30/15**

Permit Conditions 5.C.07.3, 5.C.07.12, 5.C.15, & MACT.5(A2)
This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

| Incident No. | Date | Start Time (am or pm) | % Opacity or ppm | Monitor (Check One) | | | | Nature and Cause of Incident | Corrective Action |
|---|---|---|---|---|---|---|---|---|---|
| | | | | OPA | TRS | O2 | Duration (Minutes) | | |
| | | | | | | | | | |
| 1 | 7/3/15 | 3:42 AM | - | x | | | 6 | falsely high rdg due to transmitter problem | E&I repaired |
| 2 | 7/7/15 | 8:42 PM | avg>20% | x | | | 72 | EP inlet field tripped | called E&I, reduced liquor, trimmed air |
| 3 | 7/7/15 | 8:48 PM | 36 | x | | | 6 | | |
| | | | | | | | | | |
| 1 | 8/10/15 | 1:30 PM | avg>20% | x | | | 78 | west inlet & west middle fields not loading | reduced liquor, temporarily closed west inlet gate |
| 2 | 8/19/15 | 1:00 PM | - | x | | | 60 | annual monitor QA check | completed |
| | | | | | | | | | |
| There were no excursion events or downtime during the month of September 2015. | | | | | | | | | |

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: Patrick T. Moore

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Forest Products

ID 2723

Resolute Forest Products – Catawba Mill
5300 Cureton Ferry Road
Post Office Box 7
Catawba, SC 29704-0007

TV

# CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

## Lime Kiln No. 2

**Reporting Period 7/1/15 to 9/30/15**

Permit Conditions 5.C.07.2(A), 5.C.07.12(B), 5.C.17(A), & MACT.5(A2)

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

| Incident No. | Date | Start Time (am or pm) | % Opacity or ppm | Monitor (Check One) | | | | Nature and Cause of Incident | Corrective Action |
|---|---|---|---|---|---|---|---|---|---|
| | | | | OPA | TRS | O2 | Duration (Minutes) | | |
| 1 | 7/13/15 | 10:24 PM | - | x | | | 6 | falsely high rdg due to intense rain | rain subsided |
| 2 | 7/22/15 | 10:15 AM | - | x | | | 120 | quarterly audit performed | completed |
| 3 | 7/25/15 | 1:18 PM | 76 | x | | | 6 | EP tripped | bypassed EP until reset |
| 4 | 7/25/15 | 8:42 PM | 88 | x | | | 12 | EP tripped | bypassed EP until reset |
| 5 | 7/29/15 | 1:18 AM | 95 | x | | | 24 | EP tripped | bypassed EP until reset |
| 6 | 7/29/15 | 1:30 AM | avg>20% | x | | | 60 | EP tripped | bypassed EP until reset |
| There were no excursion events or downtime during the month of August 2015. | | | | | | | | | |
| 1 | 9/15/15 | 7:54 PM | 31 | x | | | 6 | heating up kiln after attempting to unplug ring | added fuel, O2, heated up kiln |
| 2 | 9/15/15 | 9:12 PM | 28 | x | | | 6 | heating up kiln after attempting to unplug ring | added fuel, O2, heated up kiln |
| 3 | 9/23/15 | 1:42 AM | - | x | | | 498 | failed daily cal | trouble-shoot, ran cal |
| 4 | 9/24/15 | 3:00 PM | - | x | | | 6 | failed daily cal | ran cal |
| 5 | 9/25/15 | 10:36 AM | - | x | | | 54 | failed daily cal | ran cal |
| 6 | 9/29/15 | 10:35 AM | - | x | | | 171 | remote head dirty & out of alignment | cleaned, realigned meter |
| 7 | 9/30/15 | 1:20 PM | - | x | | | 100 | upscale Iris needed adjustment | adjusted, ran cal |

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: Patrick T. Moore

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# CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

## Smelt Dissolving Tank Vent Scrubber

**ID 2510, ID 5110** **SIP, NSPS**

**Reporting Period 7/1/15 to 9/30/15**

Permit Conditions 5.C.07.2; 07.B.MACT.5
This report is for variations outside of surrogate monitoring parameters or permit exception conditions.

| Incident No. | Date | Start Time (am or pm) | Parameter: Pump Pressure, Flow, delta P | Duration (Minutes) | Nature and Cause of Incident | Corrective Action |
|---|---|---|---|---|---|---|
| | | | | | | |
| There were no excursion events or downtime during the month of January 2015. | | | | | | |
| | | | | | | |
| There were no excursion events or downtime during the month of February 2015. | | | | | | |
| | | | | | | |
| There were no excursion events or downtime during the month of July 2015. | | | | | | |
| | | | | | | |
| There were no excursion events or downtime during the month of August 2015. | | | | | | |
| | | | | | | |
| 1 | 9/10/15 | 7:00 PM | Weak Wash Flow | 60 | lost seal tank flow, shut pump down to recover seal tank | restored scrubber flow |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: Patrick T. Moore