

Louisville Metro Air Pollution Control District
Excess Emission Event Reports
March 2010

Plant: 0016 Anderson Wood Products, 1381 Beech St

Started: 02/25/2010 at 10:00 AM Stopped: 02/25/2010 at 12:00 PM Report ID: 07794

Problem Description: Pollutant: PART. OPACITY Equipment: Dust Collection Sys

On 2/25/2010 we had an emission of sawdust from the plant dust collection system. The problem occurred due to the failure of an electric motor on a rotary airlock at the discharge of dust collector. This failure allowed the dust collector to fill with sawdust from our process. Once the collector was opened pressure from a secondary fan forced dust from the collector. The secondary fan was shutdown and repairs were completed. Unit was then placed back in service and found to be in proper working order.

Reported: 03/08/2010 at 06:10 PM STATUS: WORKING

1 Problem reported by plant 0016

Plant: 0739 Dean Milk Company, 4420 Bishop Ln

Started: 03/22/2010 at 01:33 PM Stopped: 03/25/2010 at 01:00 PM Report ID: 07803

Problem Description: Pollutant: ODOR Equipment: Equalization Tank

Found a small crack in our equalization tank scrubber cover. The scrubber will be turned off for three days to a week for repairs. See excess emission event report 07807.

Reported: 03/23/2010 at 01:47 PM STATUS: CLOSED

Started: 03/29/2010 at 01:00 PM Stopped: at : AM Report ID: 07807

Problem Description: Pollutant: ODOR Equipment: Tank Scrubber

The fiberglass housing on the equalization tank scrubber had a crack and will remain out of service.

Reported: 03/29/2010 at 02:01 PM STATUS: WORKING

2 Problems reported by plant 0739

Plant: 0167 Diageo Americas Supply, Inc, 3860 Fitzgerald Rd

Started: 03/26/2010 at 11:00 AM Stopped: 03/26/2010 at 11:10 AM Report ID: 07806

Problem Description: Pollutant: ODOR Equipment: Product Pump

Minor spill of bourbon whiskey at the Stitzel-Weller Site. The total volume spilled was approx 15 gallons. No release off site. Spill was contained in secondary containment then pumped into tote for recycle. Spill was due to operator error. A valve was left opened.

Reported: 03/26/2010 at 12:30 PM STATUS: WORKING

1 Problem reported by plant 0167

Plant: 0028 Hexion Speciality Chemicals, 6130 Camp Ground Rd

Started: 03/04/2010 at 04:15 AM Stopped: 03/04/2010 at 07:30 AM Report ID: 07790

Problem Description: Pollutant: VOC Equipment: PF-2TRO

Had a malfunction of the PF-2 RTO. Approximately less than 0.1 lb of phenol, 0.1 lb of HCHO, 0.1 lb of methanol and 1 lb of VOC were released as emergency shutdowns commenced and reactions in reactor systems were brought to a stable state while initiating the back-up thermal oxidizer.

Reported: 03/04/2010 at 07:30 AM STATUS: CLOSED

Started: 03/08/2010 at 03:00 PM Stopped: at : AM Report ID: 07792

Plant: 0028 Hexion Speciality Chemicals, 6130 Camp Ground Rd

Problem Description: **Pollutant:** TAP **Equipment:** Ag Plant Boiler

During the planned shutdown and start-up for the catalyst change, the safety control system will be operated as designed to protect personnel and equipment. Emissions are expected to occur during the planned shutdown and start-up of the AG Plant. The bypass valve will open when the boiler is completing shutdown and is commencing start-up when the production stream is in the temperature range between the lower and explosive limit. Bypass is necessary to reduce the potential for explosion.

Reported: 03/08/2010 at 08:00 AM **STATUS:** WORKING

Started: 03/08/2010 at 09:00 AM **Stopped:** 03/08/2010 at 09:35 AM **Report ID:** 07793

Problem Description: **Pollutant:** VOC **Equipment:** PF-2 RTO

Experienced a malfunction of the PF-2 RTO. Approximately less than 0.1 lb of phenol, 0.1 lb of HCHO, 0.1 lb of Methanol and 1 lbs of VOC were released from the PF-2 Process Area as emergency shutdowns commenced and reactions in reactor systems were brought to a stable state.

Reported: 03/09/2010 at 10:07 AM **STATUS:** WORKING

Started: 03/12/2010 at 10:00 AM **Stopped:** 03/12/2010 at 11:30 AM **Report ID:** 07796

Problem Description: **Pollutant:** TAP **Equipment:** Gas Boiler

Outage on the Silver Formaldehyde Process Stack Gas Boiler.

Starting plant.

Reported: 03/12/2010 at 11:24 AM **STATUS:** WORKING

Started: 03/13/2010 at 09:50 PM **Stopped:** 03/13/2010 at 11:50 PM **Report ID:** 07801

Problem Description: **Pollutant:** TAP **Equipment:** Boiler

Boiler Down high O2.

Reported: 03/13/2010 at 10:32 PM **STATUS:** WORKING

Started: 03/19/2010 at 11:20 AM **Stopped:** 03/19/2010 at 11:40 AM **Report ID:** 07802

Problem Description: **Pollutant:** TAP **Equipment:** Reactor

Blown rupture disk on A Reactor in PF-1. Approximately less than 1 lb of formaldehyde, less than 1 lb of methanol and 1 lb of VOC were released from the plant. Emergency shutdowns commenced and the reactor system was brought to a stable state.

Reported: 03/19/2010 at 01:37 PM **STATUS:** WORKING

Started: 03/24/2010 at 04:50 PM **Stopped:** 03/24/2010 at 05:30 PM **Report ID:** 07805

Problem Description: **Pollutant:** VOC **Equipment:** PF-2 TRO

PF2-RTO experienced a malfunction. Approximately less than 0.1 lb of phenol, 0.1 lb of HCHO, 0.1 lb of Methanol and 1 lbs of VOC were released as emergency shutdowns commenced and reaction in reactor systems were brought to a stable state.

Reported: 03/24/2010 at 09:05 PM **STATUS:** WORKING

7 Problems reported by plant 0028

Plant: 0060 Kosmos Cement Co, 15301 Dixie Hwy

Started: 03/24/2010 at 11:06 AM **Stopped:** 03/24/2010 at 10:30 PM **Report ID:** 07804

Problem Description: **Pollutant:** PART. DUST **Equipment:** Bahouse

Excess opacity occurred due to a loose bag or uncoated bag on 945 or 545 baghouse.

Reported: 03/24/2010 at 11:57 AM **STATUS:** WORKING

1 Problem reported by plant 0060

Plant: 0127 Lou. Gas & Elec., Mill Creek, 14660 Dixie Hwy

Plant: 0127 Lou. Gas & Elec., Mill Creek, 14660 Dixie Hwy

Started: 03/14/2010 at 08:01 AM Stopped: 03/14/2010 at 09:00 AM Report ID: 07798

Problem Description: Pollutant: SO2 Equipment: Unit 2 FGD Process

A problem with Units 1 & 2 reactant supply line has caused a malfunction with Unit 2 FGD process.

Repairs have been completed to the reactant supply line. The estimated 3 hour rolling average of SO2 lbs/mmbtu is less than 1.2.

Reported: 03/14/2010 at 09:08 AM STATUS: WORKING

Started: 03/14/2010 at 08:00 AM Stopped: 03/14/2010 at 10:00 AM Report ID: 07797

Problem Description: Pollutant: SO2 Equipment: Unit 1 FGD Process

A leak in units 1 & 2 reactant supply line is suspected to be the cause of a malfunction with Unit 1 FGD process. Estimated repair time is unknown at this time.

Reactant supply line repairs are complete and SO2 has been stabilized.

Reported: 03/14/2010 at 08:16 AM STATUS: WORKING

Started: 03/31/2010 at 08:59 AM Stopped: 03/31/2010 at 11:00 AM Report ID: 07811

Problem Description: Pollutant: SO2 Equipment: Unit 1 & 2

Unit 1 and 2 reactant supply line leaked and lost flow to MC 1 FGD. Dropped load to 100mw and attempted to stay in compliance. Station maintenance finished repairs and estimate excess emissions ended.

Reported: 03/31/2010 at 10:00 AM STATUS: WORKING

3 Problems reported by plant 0127

Plant: 0149 Metro Sewer Dist, Morris Forman, 4522 Algonquin Pkwy

Started: 03/01/2010 at 07:30 AM Stopped: at : AM Report ID: 07788

Problem Description: Pollutant: ODOR Equipment: Sedimentation Tank 4

Primary Sedimentation tank #4 is currently being drained due to maintenance malfunction. At this time it is not known how long it will be down for repairs.

Reported: 03/01/2010 at 07:46 AM STATUS: WORKING

Started: 03/10/2010 at 08:00 AM Stopped: 03/11/2010 at 07:00 AM Report ID: 07795

Problem Description: Pollutant: PART. OPACITY Equipment: RTO #2

RTO #2 will be taken off line. During this time period a bake-out will be performed. This bake-out should take no longer than 48 hour.

The bake out for RTO #2 is complete. No unexpected opacity occurred during the bake out.

Reported: 03/10/2010 at 08:00 AM STATUS: CLOSED

Started: 03/31/2010 at 08:00 AM Stopped: 03/31/2010 at 12:00 PM Report ID: 07809

Problem Description: Pollutant: PART. OPACITY Equipment: RTO #2

RTO #2 will be taken offline for a bake out. The process should take no more than 48 hours to complete.

The RTO was attempted to be baked out but a maintenance malfunction prevented it from being completed. The RTO will be baked out at a later date and a new MESS will be submitted.

Reported: 03/31/2010 at 07:30 AM STATUS: WORKING

3 Problems reported by plant 0149

Plant: 0532 Outer Loop Recycling & Disp, 2673 Outer Loop

Started: 03/05/2010 at 10:00 AM Stopped: 03/05/2010 at 03:00 PM Report ID: 07791

Plant: 0532 Outer Loop Recycling & Disp, 2673 Outer Loop

Problem Description:

Pollutant: VOC

Equipment: Flare 1

An electrician was working on the control panel and accidentally closed a breaker, which shut down the system. System would not restart with the breaker for blower 3 off. We are fixing the flare vendor now. Also electrician is installing the line reactors for VFD's per an earlier malfunction report.

Reported: 03/05/2010 at 12:06 PM

STATUS: WORKING

1 Problem reported by plant 0532

Plant: 1584 Southern Clay Products, 1335 S 13th St

Started: 03/28/2010 at 03:30 PM

Stopped: 03/28/2010 at 11:00 PM

Report ID: 07808

Problem Description:

Pollutant: PART. OPACITY

Equipment: North Storage Bin

A blow-out panel on a storage bin ruptured and caused product material to be released to outside of the building. The storage bin and its associated packaging system (DC-7 and bagging machine) were shut down immediately following the release. These systems will remain down until the cause of the problem is identified and fixed. The material that was released outside of the building was cleaned up.

The blowout panel was replaced and the system was started back up. No definite cause for the rupture could be determined. However to help keep this problem from occurring again, we are going to install instrumentation to track and control pressures within the two storage bins at the Product Convey System.

Reported: 03/29/2010 at 11:52 AM

STATUS: WORKING

1 Problem reported by plant 1584
