

Louisville Metro Air Pollution Control District
Malfunctions, Emergencies, Startups and Shutdowns
7/12/2004 Through 8/10/2004

Plant: 0011 American Synthetic Rubber, 4500 Camp Ground Rd

Started: 7/14/2004 at 11:11 PM Stopped: 7/15/2004 at 12:30 PM MESS ID: 06652
Problem Description: Pollutant: SO2 Equipment: Spray Reactor

Spray reactor disc drive back in service.

Reported: at : AM STATUS: WORKING

Started: 7/14/2004 at 11:10 PM Stopped: 7/15/2004 at 03:00 AM MESS ID: 06651
Problem Description: Pollutant: SO2 Equipment: Spray Reactor

SO2 pounds per hour greater than 141.3. Spray reactor failed, spare spray reactor failed. #1 boiler shut down, #2 boiler locking down. SO2 pounds per hour back in compliance.

Reported: 7/15/2004 at 02:50 AM STATUS: WORKING

Started: 7/14/2004 at 09:12 AM Stopped: 7/14/2004 at 09:18 AM MESS ID: 06650
Problem Description: Pollutant: SO2 Equipment: Baghouse Module #2

6 min. average on opacity out of compliance. Took baghouse off line for repair.

Reported: 7/14/2004 at 10:38 AM STATUS: WORKING

Started: 7/18/2004 at 03:12 PM Stopped: 7/18/2004 at 03:20 PM MESS ID: 06653
Problem Description: Pollutant: SO2 Equipment: Spray Reactor

Spray reactor disc drive tripped out high temp.

Reported: 7/18/2004 at 03:36 PM STATUS: WORKING

4 Problems reported by plant 0011

Plant: 0026 Blue Grass Coop., Brown-Forman, 402 McLean Ave

Started: 7/26/2004 at 07:45 AM Stopped: 7/28/2004 at 08:00 PM MESS ID: 06656
Problem Description: Pollutant: PART. DUST Equipment: Baghouse

American air filter baghouse is full of sawdust. Not standard operation. Emissions Point E13, Emissions Unit U5b Sawdust handling system.

8/4/04 received faxed ltr regarding confirmation that the baghouse is back in service and operational as of JULY 28, 2004 at 8:00 pm.

Reported: 7/27/2004 at 05:35 PM STATUS: WORKING

1 Problem reported by plant 0026

Plant: 0808 DD Williamson & Company, Inc., 1901 Payne St

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Started: 8/2/2004 at 11:00 AM Stopped: at : AM MESS ID: 06660

Problem Description: Pollutant: PART. OPACITY Equipment: 317-03-C

Upon receiving a complaint from Ms. Niehoff @ 1907 Payne St, all possible sources were inspected by the Plant Mgr. & Tech. Coord. The source was discovered to be the stack from the spray dryer. The particulate control device was operational & the manufacturer notified. Several suggestions were explored and implemented. A representative from the manufacturer will arrive today to ensure the problem is corrected.

Reported: 8/3/2004 at 11:30 AM STATUS: WORKING

1 Problem reported by plant 0808

Plant: 0073 Ford Motor Co, KY Truck Plant, 3001 Chamberlain Ln

Started: 8/1/2004 at 06:00 PM Stopped: 8/2/2004 at 01:20 AM MESS ID: 06659

Problem Description: Pollutant: VOC Equipment: VOC control equipmen

During startup of the super duty abatement equipment on Sunday, 8-1-04, the ecoat oven damper malfunctioned which caused ecoat VOC emissions to bypass the properly operating RTO. The fault did not show up in the monitor room. During the regular system inspections, the fault was noted and cleared by plant forces which responded immediately. The system was restarted and returned to normal operation at 1:20 am on 8-2. The total system downtime during plant production was 7.3 hrs. In order to prevent future recurrence, the vendor has been contacted to review the ecoat abatement control systems, including modification to insure the fault alarm is rerouted to the monitor room. The super duty ecoat operations were properly operated throughout the malfunction. No exceedances of permitted emission rates occurred from this malfunction.

Reported: at : AM STATUS: WORKING

1 Problem reported by plant 0073

Plant: 0072 Ford Motor Co, Lou Assy Plant, 2000 Fern Valley Rd

Started: 7/26/2004 at 02:00 PM Stopped: 7/29/2004 at 12:50 PM MESS ID: 06657

Problem Description: Pollutant: VOC Equipment: RTO 3rd pass ecoat

On 7/26/04, at approx. 2 p.m. the third pass incinerator serving the third pass ecoat and prime ovens went off line due to severe vibration. Plant forces immediately initiated emergency repairs on the unit. The malfunction was determined to be the result of a faulty bearing on the main exhaust fan shaft. Due to poor lubrication, this bearing overheated and fused to the shaft requiring disassembly of the entire fan and replacement of the shaft. Upon replacement of the shaft and reassembly of the fan, the incinerator was restarted. The total system downtime during plant production was 47.5 hrs. In order to prevent future recurrence, the vendor made modifications to the bearing lubrication system to ensure that the proper amount of lubrication is being applied. During the malfunction time period, the third pass prime system was properly operated and the third pass e coat system was not used, resulting in minimal emissions. No exceedances of permitted emission rates occurred from this malfunction.

Reported: at : AM STATUS: WORKING

Started: 7/26/2004 at 01:00 PM Stopped: 7/29/2004 at 12:50 PM MESS ID: 06655

Problem Description: Pollutant: VOC Equipment: Third Pass Oven Inci

The third pass oven incinerator for e-coat (UO10) and prime (UO11) is currently off line. Emergency repairs have been initiated and no exceedance of applicable emission limitations is expected as a result of this outage.

The third pass oven incinerator has been repaired and is on line. Required letter to follow.

Reported: 7/30/2004 at 07:15 AM STATUS: WORKING

2 Problems reported by plant 0072

Plant: 0079 General Shale Products LLC, 212 S Park Rd

Started: 8/10/2004 at 07:35 AM Stopped: at : AM MESS ID: 06661

Problem Description: Pollutant: SO2 Equipment: Dry lime Scrubber

Our kiln scrubber system was bypassed at 7:35 am this morning due to a malfunction. A significant number of bags in the collector have apparently failed. This is believed to be largely due to weakening caused by acid attack during the electrical power failure that occurred 7-13-04. The normal life of the bags was expected to be 3 years. All necessary materials and a contractor crew are on hand to fully replace all bags. Every reasonable effort will be made to minimize the downtime. It is anticipated the work will be complete and the system back on line in 48-72 hrs.

Reported: 8/10/2004 at 07:55 AM STATUS: WORKING

1 Problem reported by plant 0079

Plant: 0148 Lou Med Center Steam Plant, 235 Abraham Flexner Way

Started: 7/14/2004 at 04:30 AM Stopped: 7/14/2004 at 07:00 AM MESS ID: 06649

Problem Description: Pollutant: PART. OPACITY Equipment: Unit Boiler #5

The Medical Center Steam Plant will fire Unit #5 Boiler for load on Wednesday, 7/14/04. The Unit was removed from service for emergency feedwater repairs. Some smoking may occur at Start-Up.

Reported: 7/14/2004 at 04:30 AM STATUS: WORKING

Started: 8/2/2004 at 08:00 AM Stopped: at : AM MESS ID: 06658

Problem Description: Pollutant: PART. OPACITY Equipment: Boiler

Lighting boiler off on 8-2-04. Smoking 1 hr. until it heats up.

Reported: 8/2/2004 at 08:00 AM STATUS: WORKING

2 Problems reported by plant 0148

Plant: 0500 SunOpta Ingredients, 1401 Locust St.

Started: 7/12/2004 at 11:00 PM Stopped: 7/13/2004 at 01:00 AM MESS ID: 06654

Problem Description: Pollutant: ODOR Equipment: Butch Tank

Slow product transfers, causing prolonged odor build up and discharge. Lines cleaned out operations back to normal.

Reported: 7/15/2004 at 01:30 PM STATUS: WORKING

1 Problem reported by plant 0500
