



On December 26, 2011, at 11:58 PM, the main bearing on the RTO fan failed, causing the RTO to shut down and the dryer to vent to atmosphere. The distillation scrubber was put on-line prior to this, in anticipation of a failure, so there were no deviations from any processes other than the dryer. The dryer outlet temperature reached 130 degrees at 1:37 AM on 12/27/11. Excess emissions from this event are summarized in Table 1 below.

**Table 1 - Estimated Uncontrolled Dryer VOM/HAP Emissions
 Dryer Shutdown on November 23, 2011 at 10:35 PM**

26-Dec-11 11:58 PM Parameter	Dryer By-Pass Uncontrolled Emissions	
	(lbs)	tons
Duration	99 min	
PM/PM10	2.11	0.001
CO	16.79	0.008
VOM	42.62	0.021
Total HAPs	4.71	0.002
Acetaldehyde	3.559	0.002
Acrolein	0.020	0.000
Formaldehyde	0.532	0.000
Methanol	0.598	0.000

Uncontrolled dryer VOM emissions based on August 2004 compliance testing.