



**Table 1 - Estimated Uncontrolled Dryer VOM/HAP Emissions
Dryer Shutdown on April 22, 2011 at 7:15 PM**

On April 22, 2011 at 7:15 PM, during start up of the dryer after a scheduled plant shutdown, the DDGS cooling drum plugged resulting in a automatic dryer shutdown which caused the dryer emergency vent to open. The distillation process exhaust was being vented to the distillation scrubber at the time of this event so there were no excess emissions from the distillation process. For the purposes of estimating emission from this event it has been assumed that it took 90-minutes for the dryer exhaust temperature to decrease to 130°F (point at which point, VOC emissions are negligible).

22-Apr-11 7:15 PM Parameter	Dryer By-Pass Uncontrolled Emissions	
	(lbs)	tons
Duration of Emissions	90 min	
PM/PM10	1.95	0.001
CO	16.79	0.008
NOx	0.00	0.000
SO2	0.00	0.000
VOM	42.17	0.021
Total HAPs	4.66	0.002
Acetaldehyde	3.522	0.002
Acrolein	0.020	0.000
Formaldehyde	0.526	0.000
Methanol	0.591	0.000

Uncontrolled dryer VOM emissions based on August 2004 compliance testing.

**Table 2 - Estimated Uncontrolled Distillation Scrubber VOM/HAP Emissions
Dryer Shutdown on April 22, 2011 at 7:15 PM**

Compound	Uncontrolled Distillation Scrubber VOM Emissions August 2003 Test (lb/hr)	Uncontrolled Distillation Scrubber VOM Emissions 0.00 hrs	
		(lbs)	(tons)
Acetaldehyde (HAP)	4.62	0.00	0.0000
Formaldehyde (HAP)	0.00	0.00	0.0000
Acrolein (HAP)	0.00	0.00	0.0000
Methanol (HAP)	0.06	0.00	0.0000
Total HAPs	4.68	0.00	0.0000
Total VOM (MSF)	85.33	0.00	0.0000

**Table 3 - Estimated Uncontrolled VOM/HAP Emissions from Deviation Event
Dryer Shutdown on April 22, 2011 at 7:15 PM**

Compound	Estimated Uncontrolled VOM / HAP Emissions from Event	
	(lbs)	(tons)
Acetaldehyde (HAP)	3.52	0.0018
Formaldehyde (HAP)	0.53	0.0003
Acrolein (HAP)	0.02	0.0000
Methanol (HAP)	0.59	0.0003
Total HAPs	4.66	0.0023
Total VOM (MSF)	42.17	0.0211