

**KENTUCKY EMERGENCY RESPONSE COMMISSION**  
**SARA TITLE III EMERGENCY RELEASE NOTIFICATION FORM**  
**WRITTEN NOTICE REQUIREMENTS\***

**1. Name and address of reporting facility/owner:**

The Dow Chemical Company  
4300 Campground Road  
Louisville, KY 40216

**2. Individual completing this notice:**

Jana L. Zigrye, Regulatory Affairs Leader

**3. Name and telephone number of person to contact for additional information:**

Jana L. Zigrye (502) 449-5436

**4. Name and quantity of chemical(s) released:**

The material in the railcar was Third Vent Monomer, a mixture of Methyl Methacrylate (MMA) and Ethyl Acrylate (EA). The total released amount was calculated to be about 17,534 pounds. The contents of the released stream included about 16,833 pounds of MMA and about 701 pounds of EA.

**5. Is substance extremely hazardous?**

Yes

No

**6. Release date(s), time, duration:**

The release began on June 13, 2010 at about 11:38 a.m. and ended on June 14, 2010 at about 2:00 a.m.

**7. Release location address (if different from above)**

Same

**8. Medium released into: (air, water, land)**

The material was released to the air from a railcar vent.

**9. Precautions taken, including evacuation:**

The plant Emergency Response Team and local emergency response agencies responded to the incident. All employees were evacuated on-site to a safe distance from the railcar and sheltered-in-place. Two neighbor industrial plants were kept informed of the situation and also sheltered-in-place. Lake Dreamland Fire Department called for a precautionary shelter-in-place for an area of the community close to the plant that lasted about 2 hours. The local Health Department set up air monitors at the plant fenceline and at various places in the plant. They recorded Volatile Organic Compound (VOC) measurements of zero at the fenceline during the event. The local emergency response agencies turned control of the incident over to Dow on June 14, 2010 at about 9 a.m.

**10. Acute or chronic health risks:**

An MSDS for Third Vent Monomer is attached.

**11. Medical attention for exposed individuals:**

Four Dow employees reported symptoms related to the odor and received medical attention on site. Dow received no reports of community members receiving medical attention.

**12. Response and containment actions:**

The in-plant Emergency Response Team and local emergency response agencies responded to the incident. No attempt was made to contain the release since the material in the railcar was polymerizing and was at an elevated temperature. Emergency response personnel identified a perimeter around the railcar and remained at a safe distance during the event.

Water was sprayed on the venting material for several hours during the incident in an attempt to control the vapors being released. From the railcar, the water flowed into the plant's stormwater system. Water samples were taken downstream of all plant stormwater outfalls and no chemicals were detected in those streams.