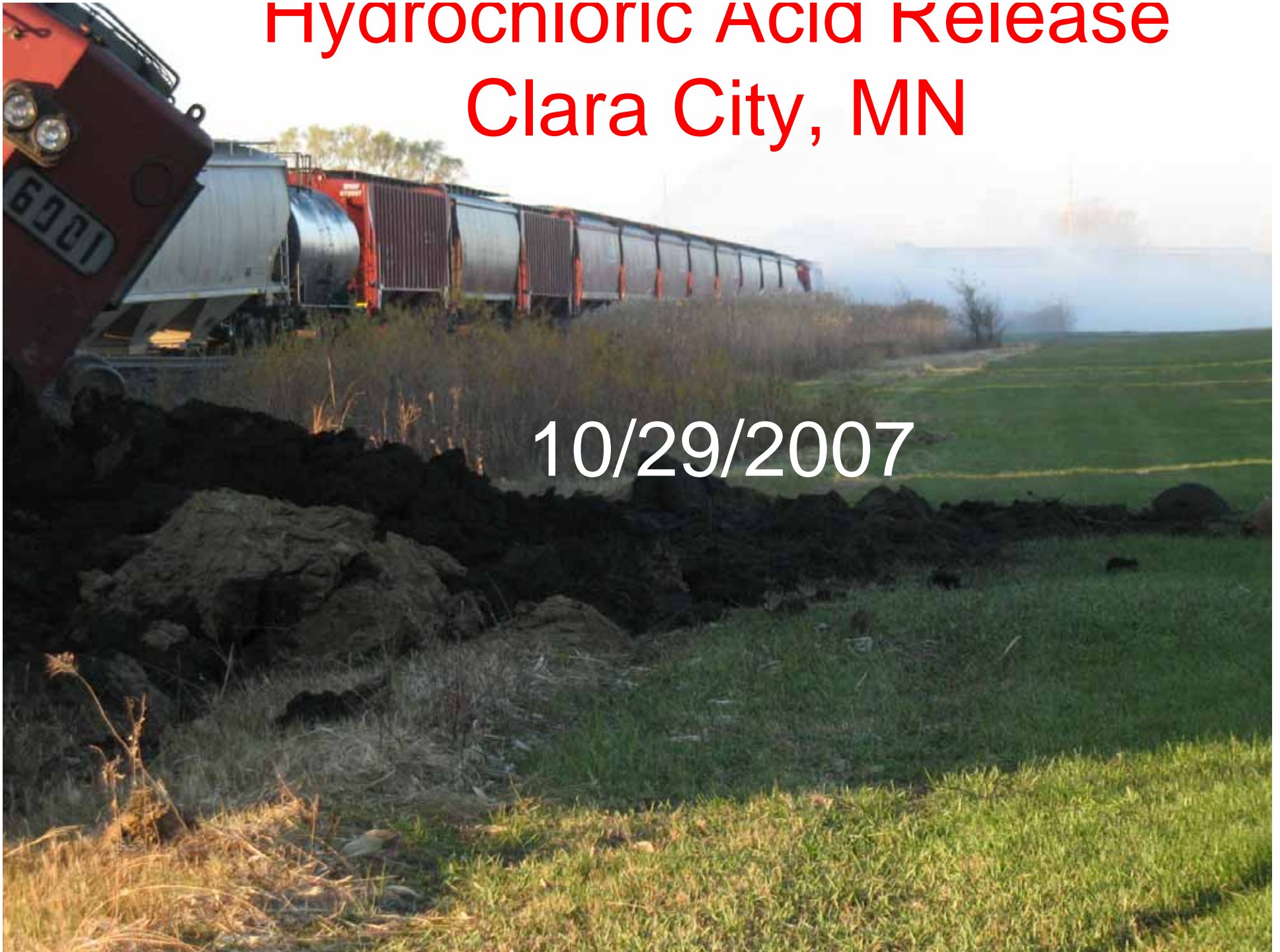


Hydrochloric Acid Release Clara City, MN

10/29/2007



An aerial photograph showing a train derailed on a track. Several large cylindrical tank cars are overturned, with one lying on its side in the center. To the left, a red grain car is also derailed. The train is situated next to a highway overpass. In the background, there are industrial silos and a residential area with houses and trees.

Two separate trains were involved in the deraignment.

- Two locomotives off the track, one leaking fuel.
- 79 empty ethanol cars tipped over, some resting against State highway overpass.
- One acid car, leaking acid, fuming acid cloud moving North-Northeast toward school and residences.
- Empty grain cars on the outside siding waiting to be loaded.

Phase One - Public Safety

- Fire Identify the threat
- Department is paged out
- Officials planned for evacuation of residents
- Called in surrounding fire departments for mutual aid
- State Highway 7 is closed from the intersection of State Highway 23 to one mile west of town.



Evacuation

- Fire Department, Police, Sheriff's Dept all go door to door over $\frac{1}{4}$ of the town and evacuate residents
- Initial evacuation is based on middle of the night senses of the responders.
- Mutual Aid Fire Departments set up fog streams to try to suppress the vapors at the rail car

Air Monitoring???





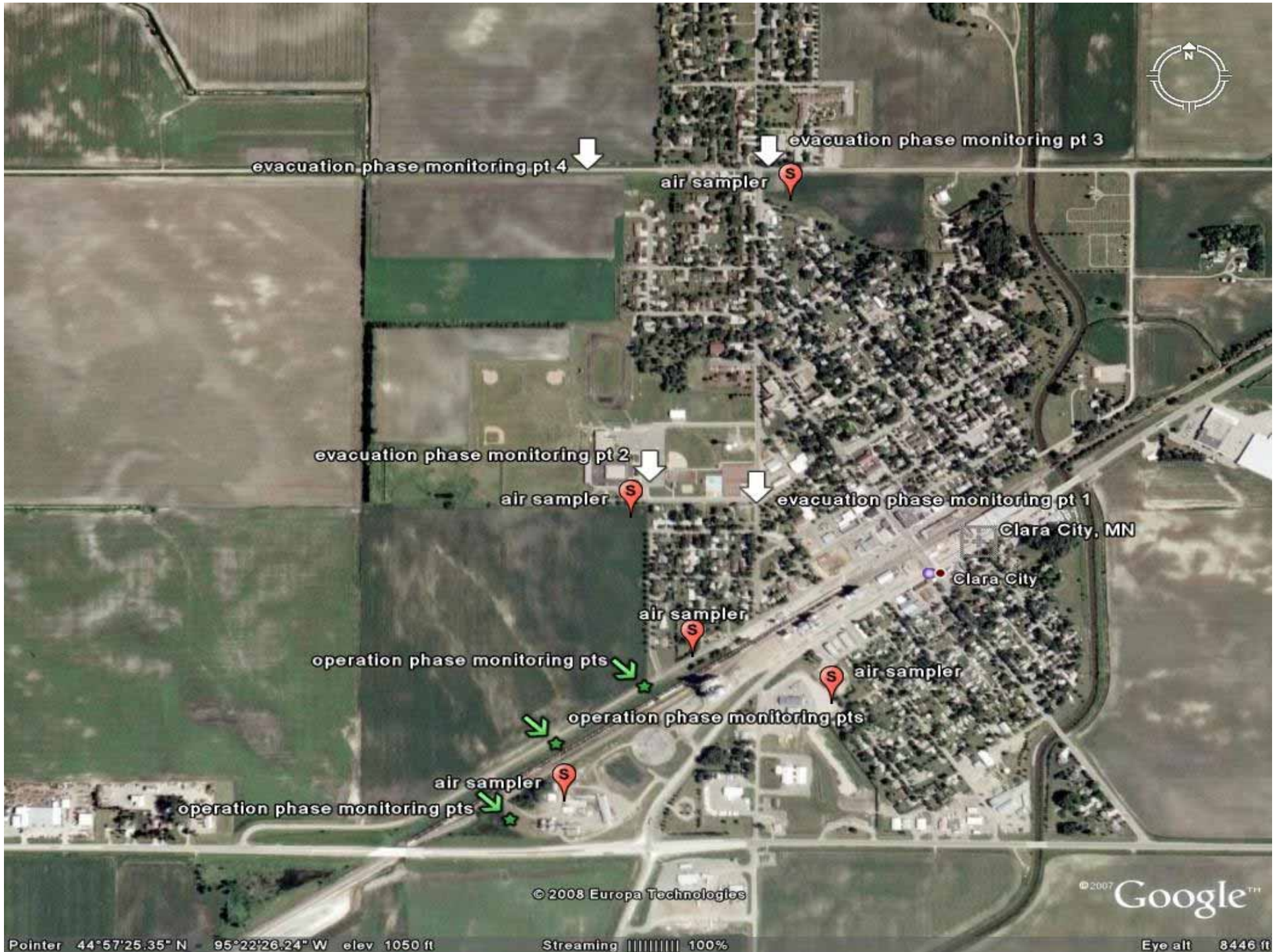
Workers sprayed a water mist to prevent the release from the broken tank.



Initial Monitoring by CAT

- EPA called in a contractor to support PCA
- BNSF Railroad brought in CTEH for monitoring
- MPCA, EPA, BNSF all coordinated air monitoring with input and support from the Fire Department and the City Officials





evacuation phase monitoring pt 4

evacuation phase monitoring pt 3

air sampler

evacuation phase monitoring pt 2

air sampler

evacuation phase monitoring pt 1

Clara City, MN

Clara City

air sampler

operation phase monitoring pts

air sampler

operation phase monitoring pts

air sampler

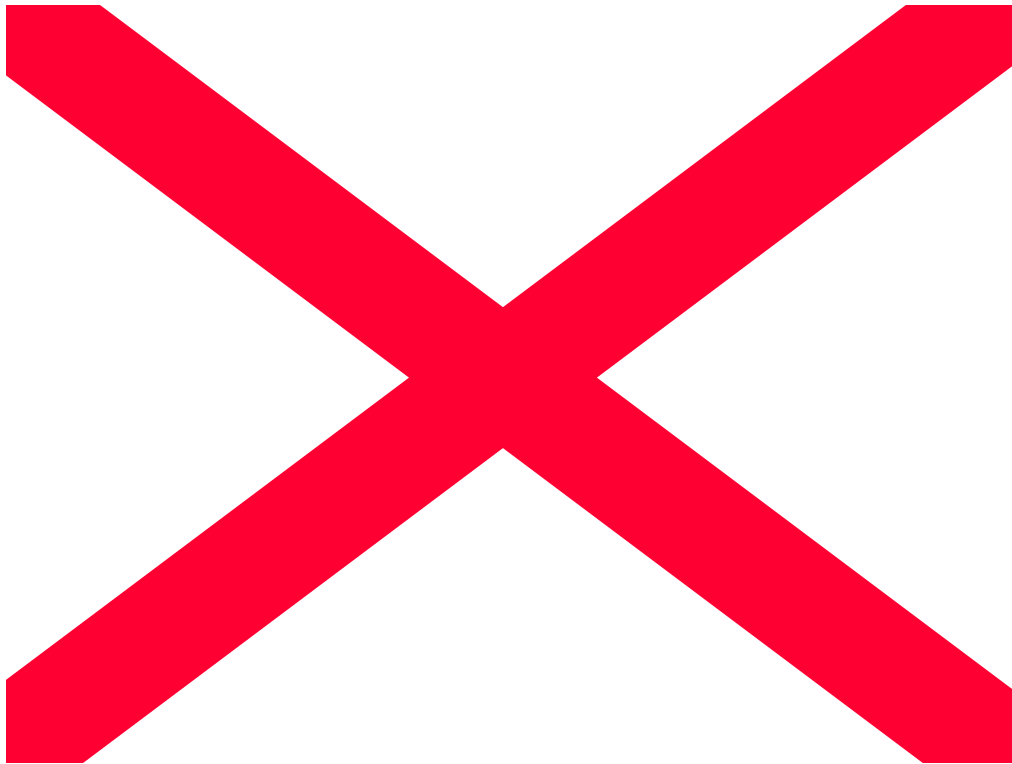
operation phase monitoring pts

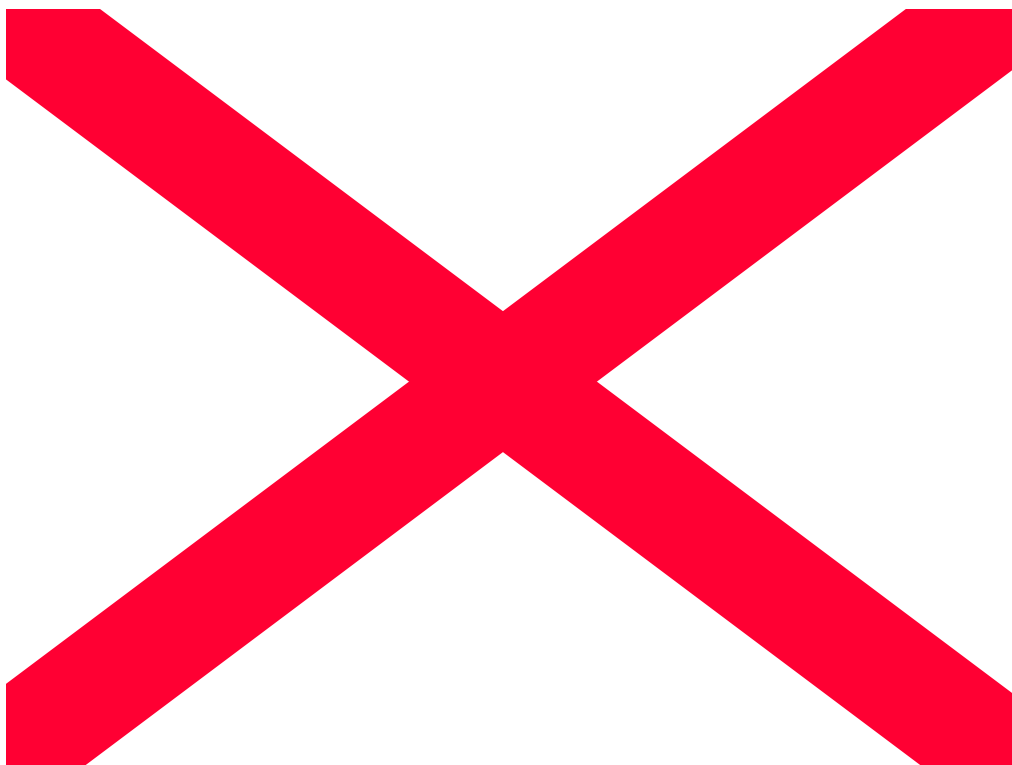
© 2008 Europa Technologies

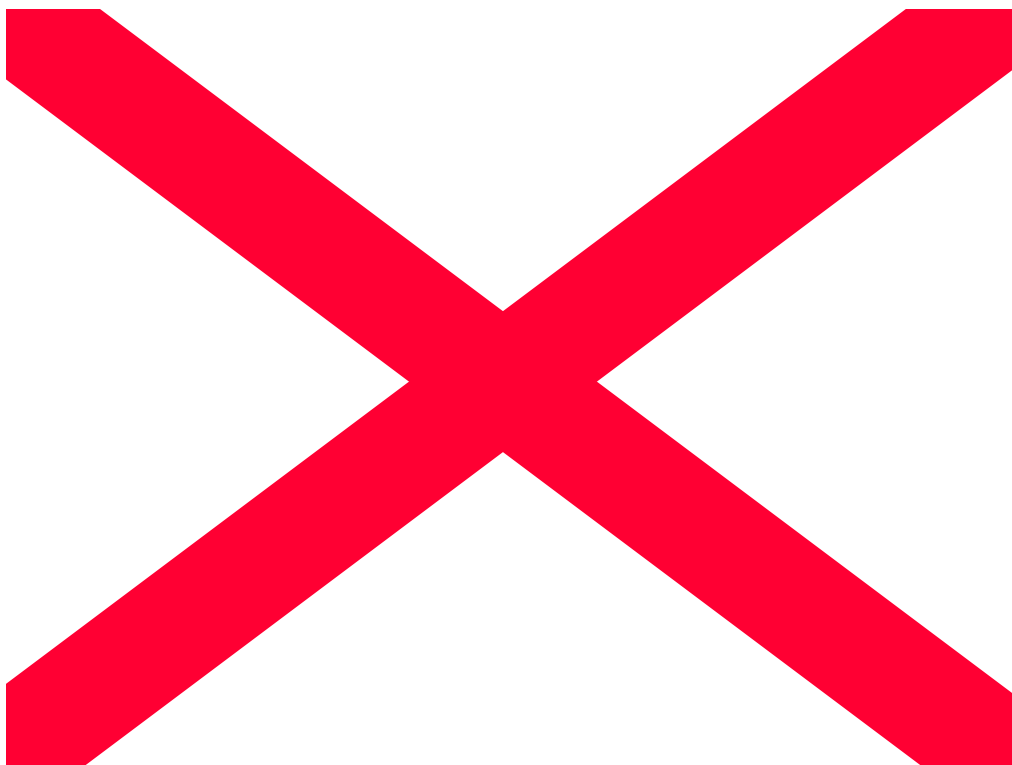
© 2007 Google™

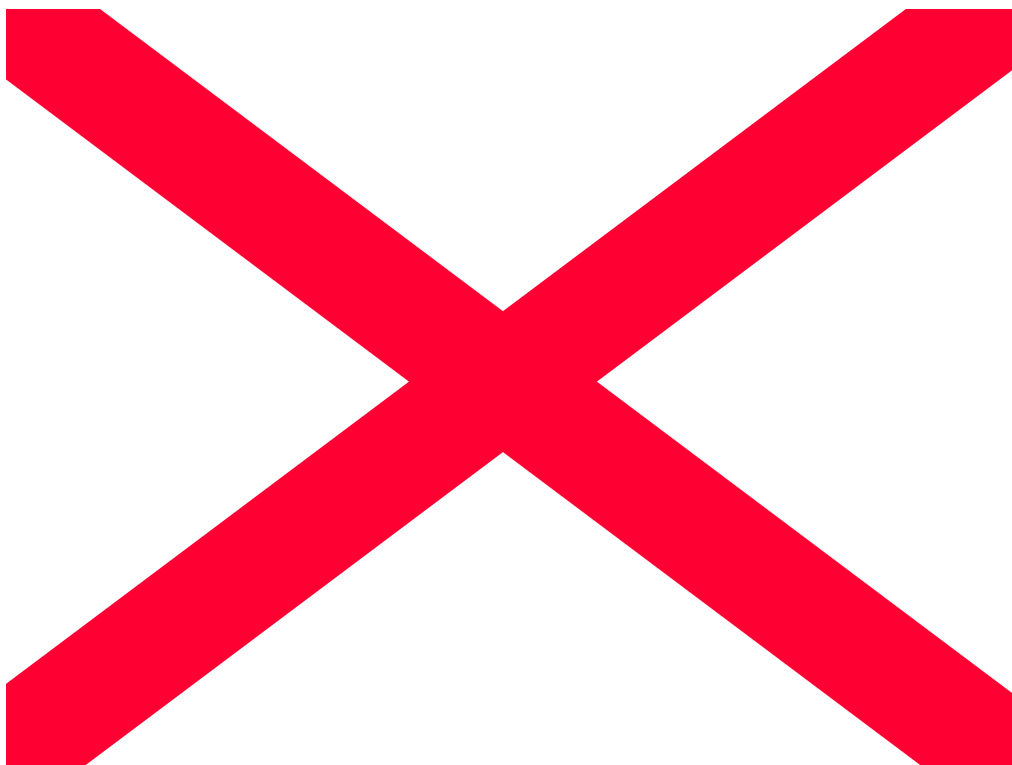
KEEP THE PUBLIC INFORMED!

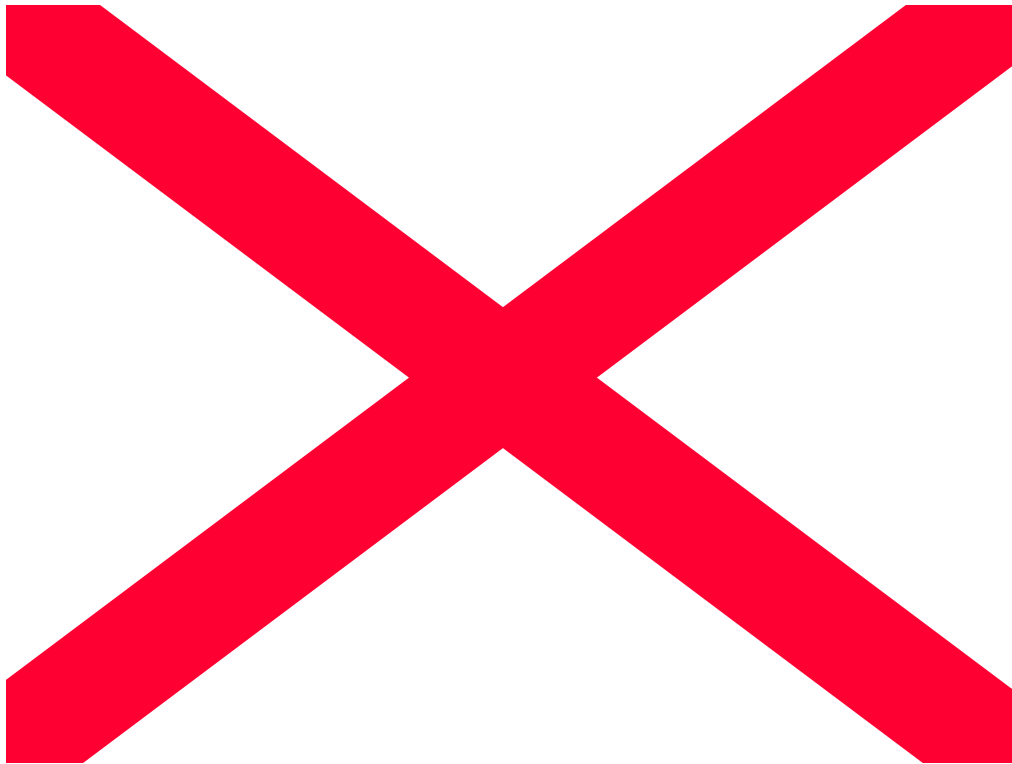


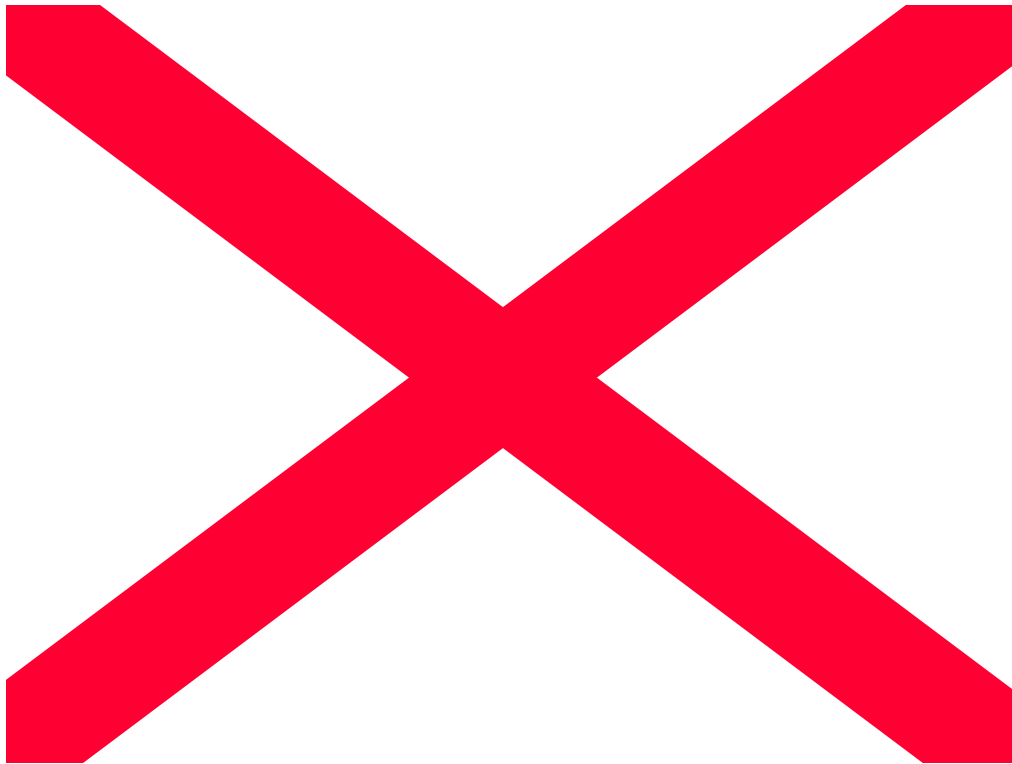


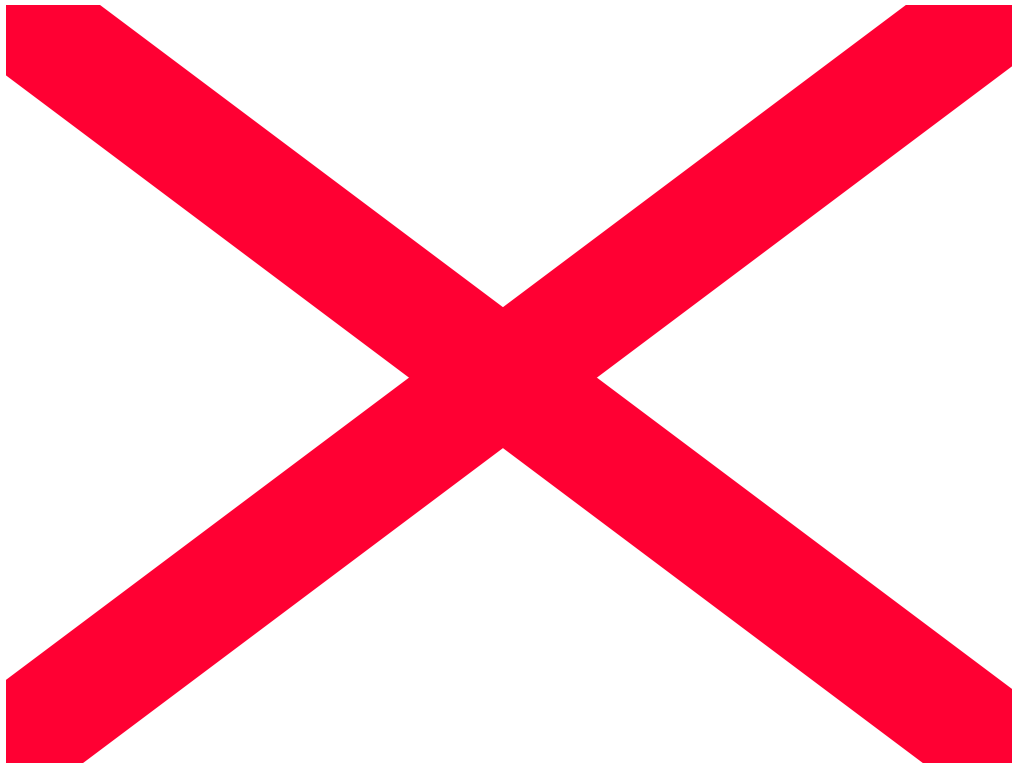


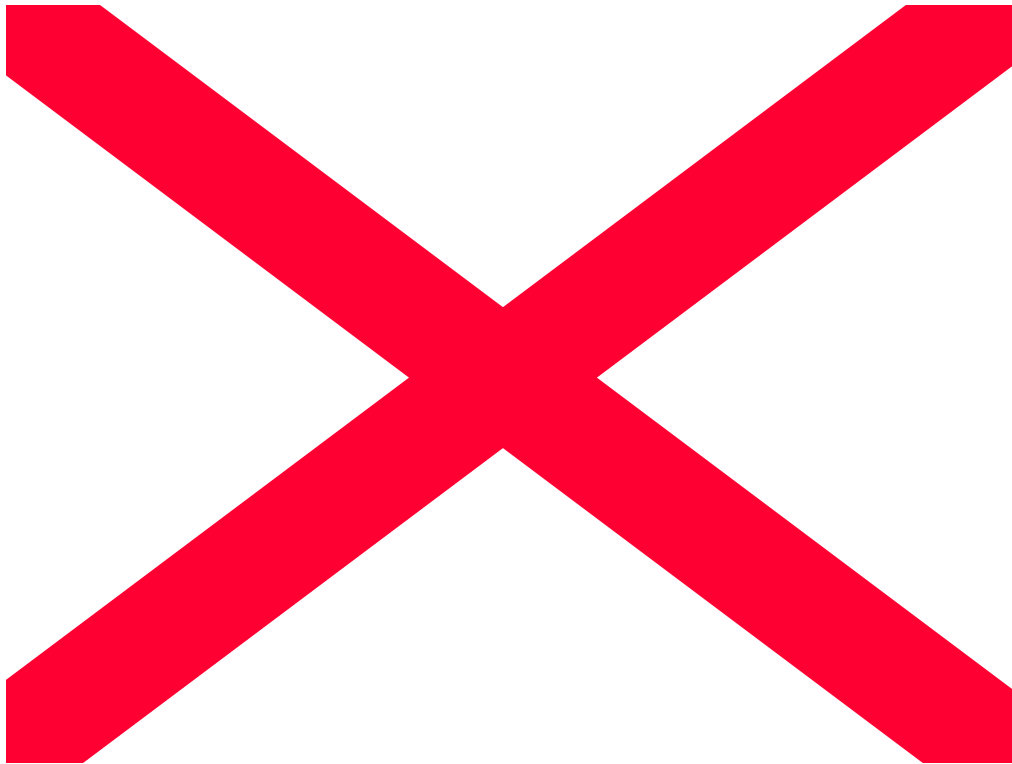


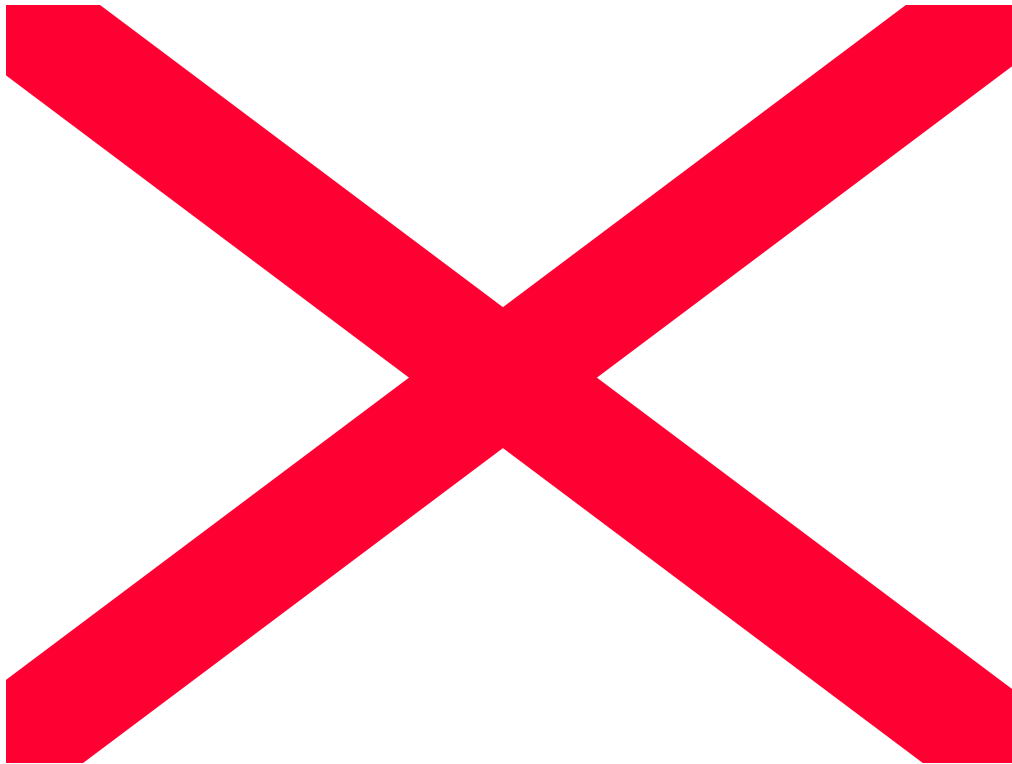


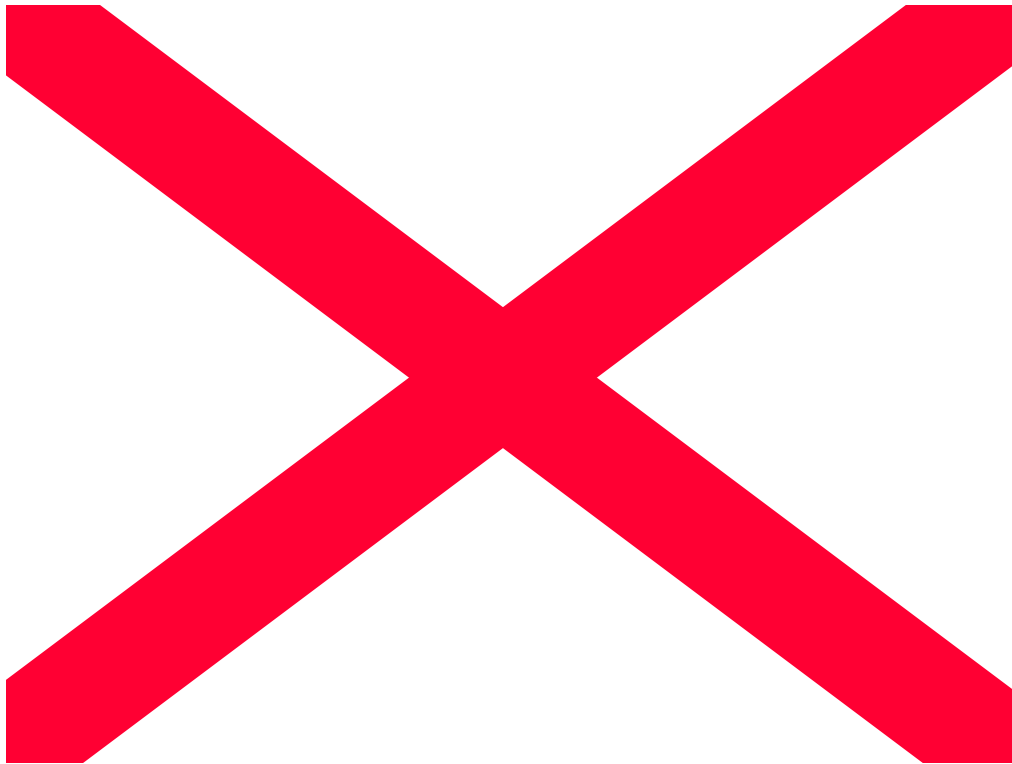


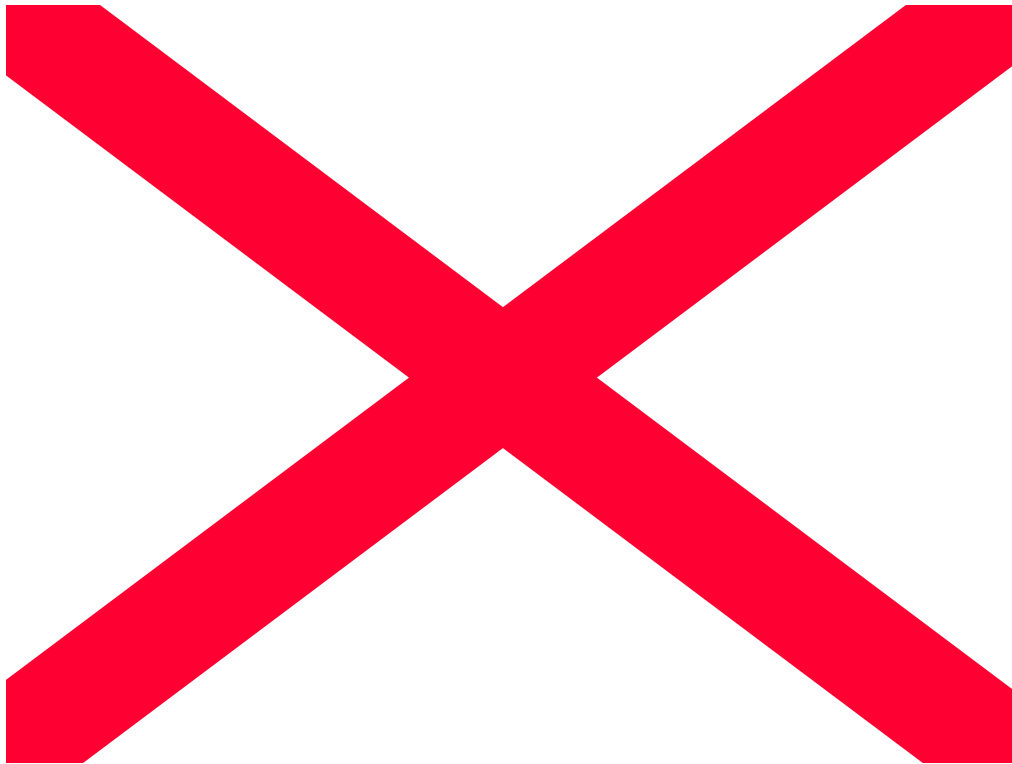


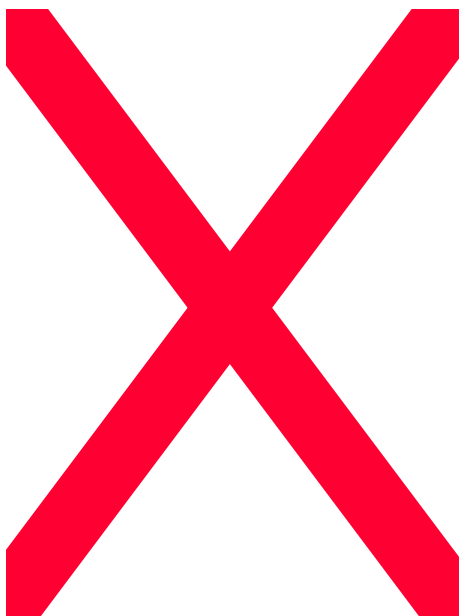




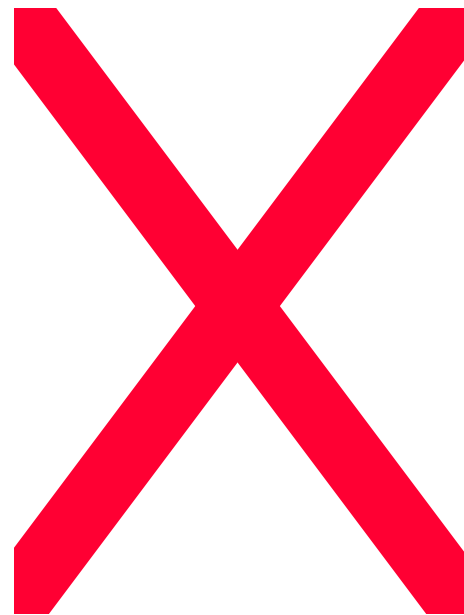




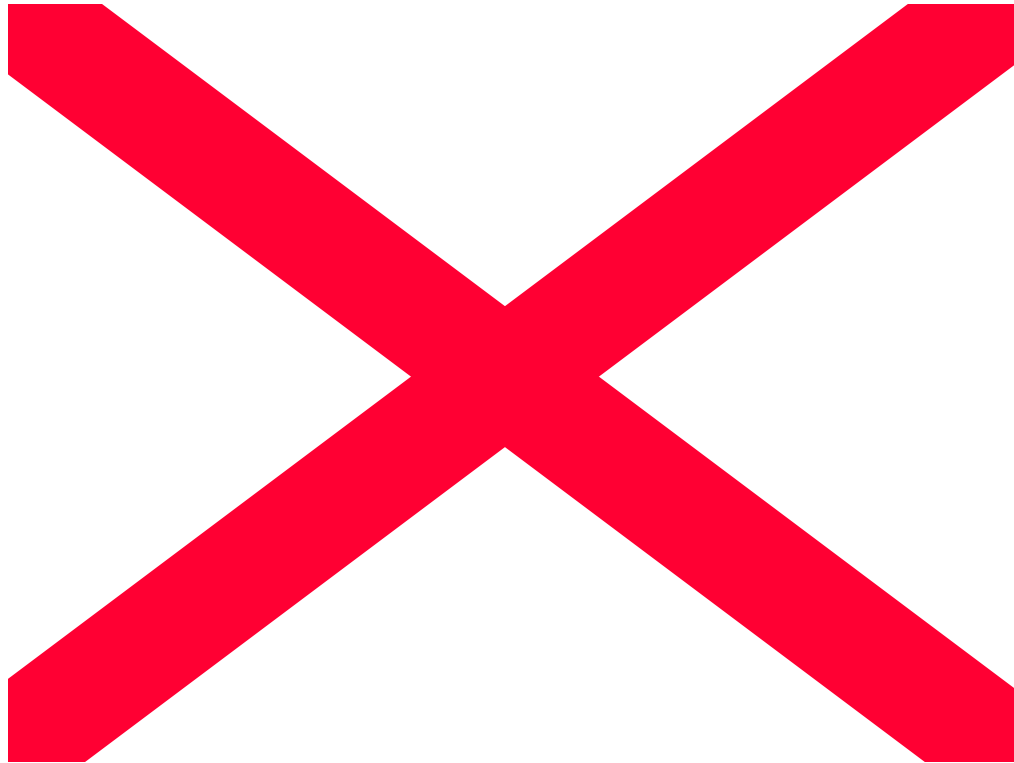


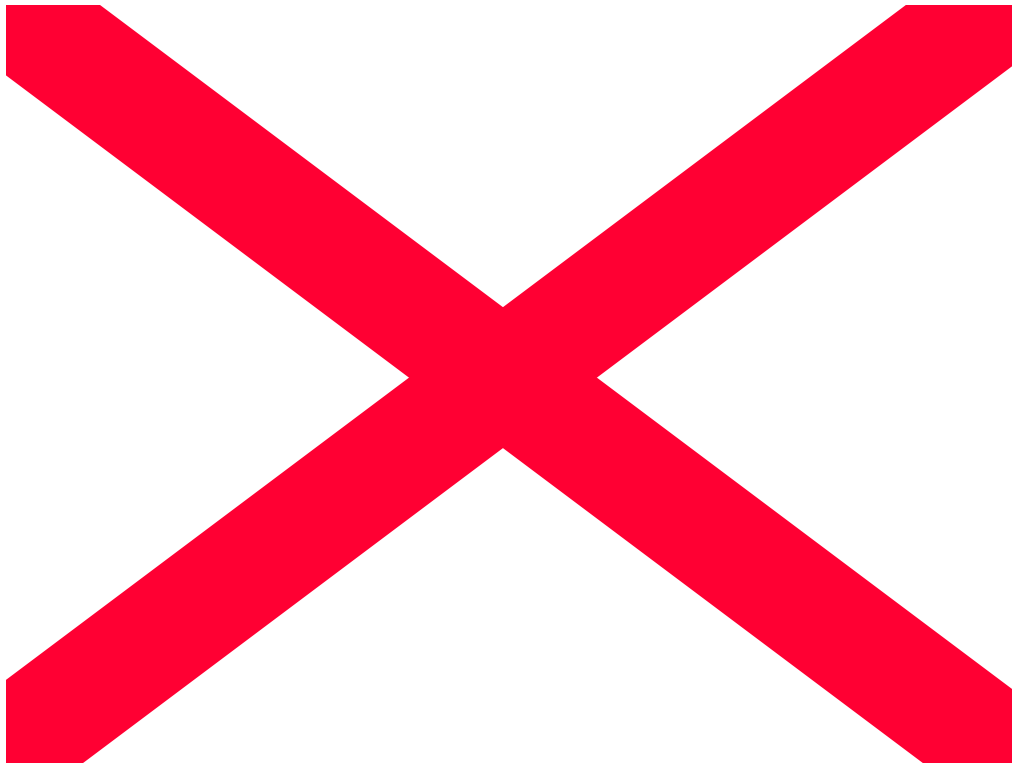


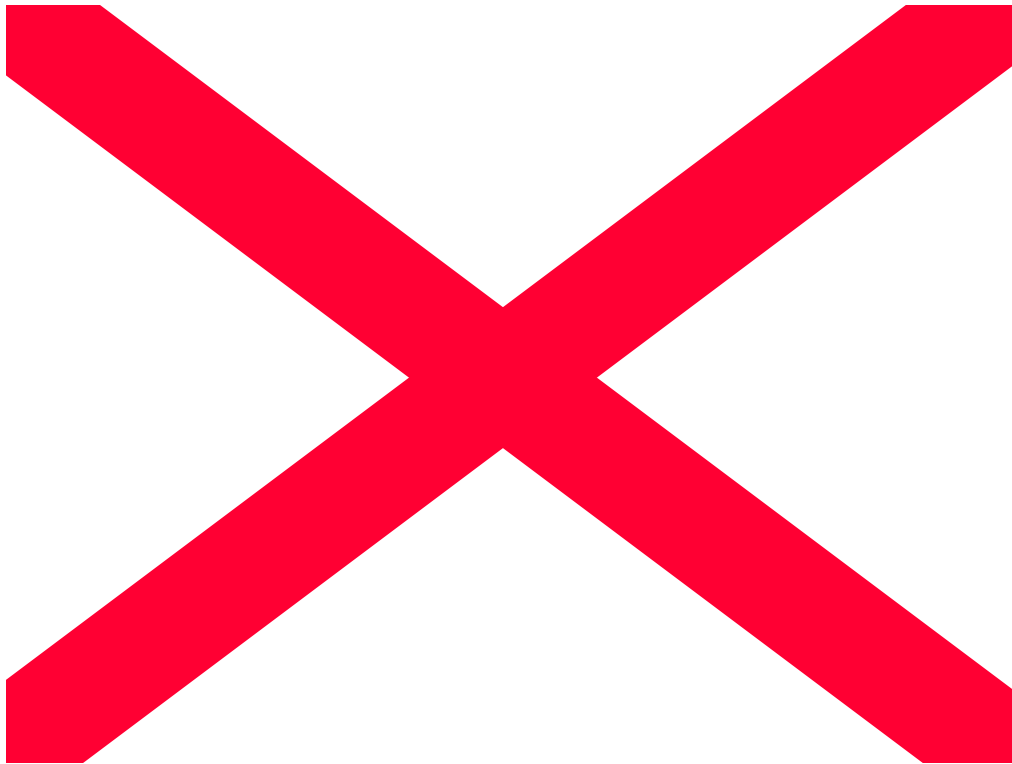
Monitoring is still going on, residents are still out of their homes, fumes and vapors are still an issue.

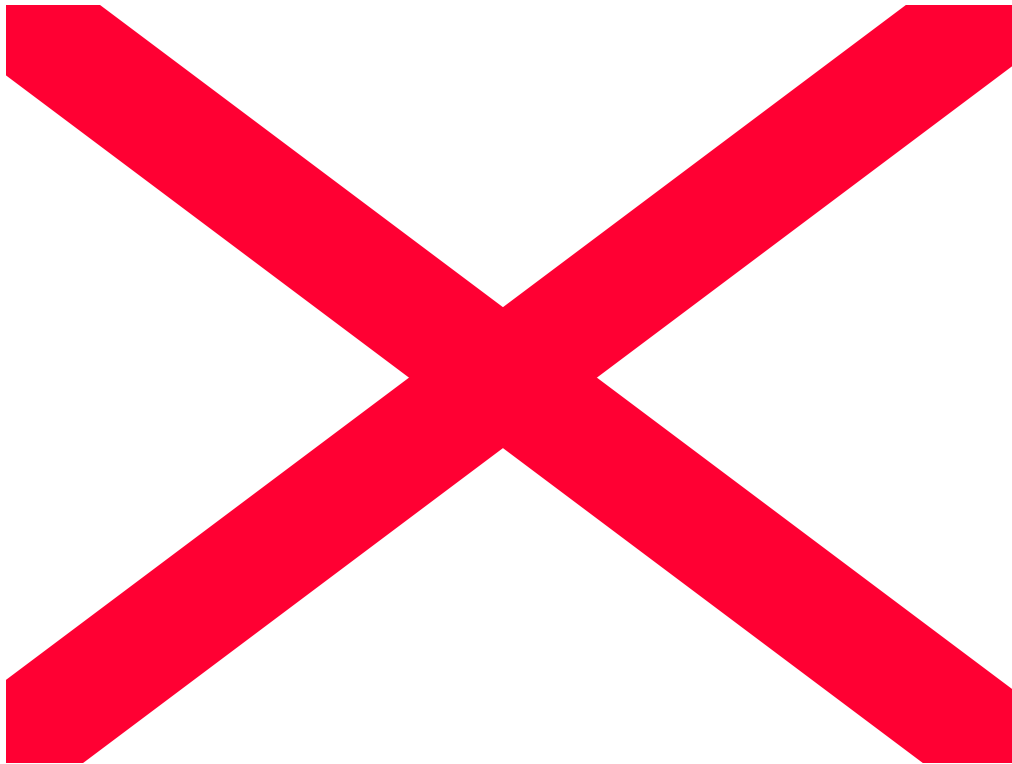


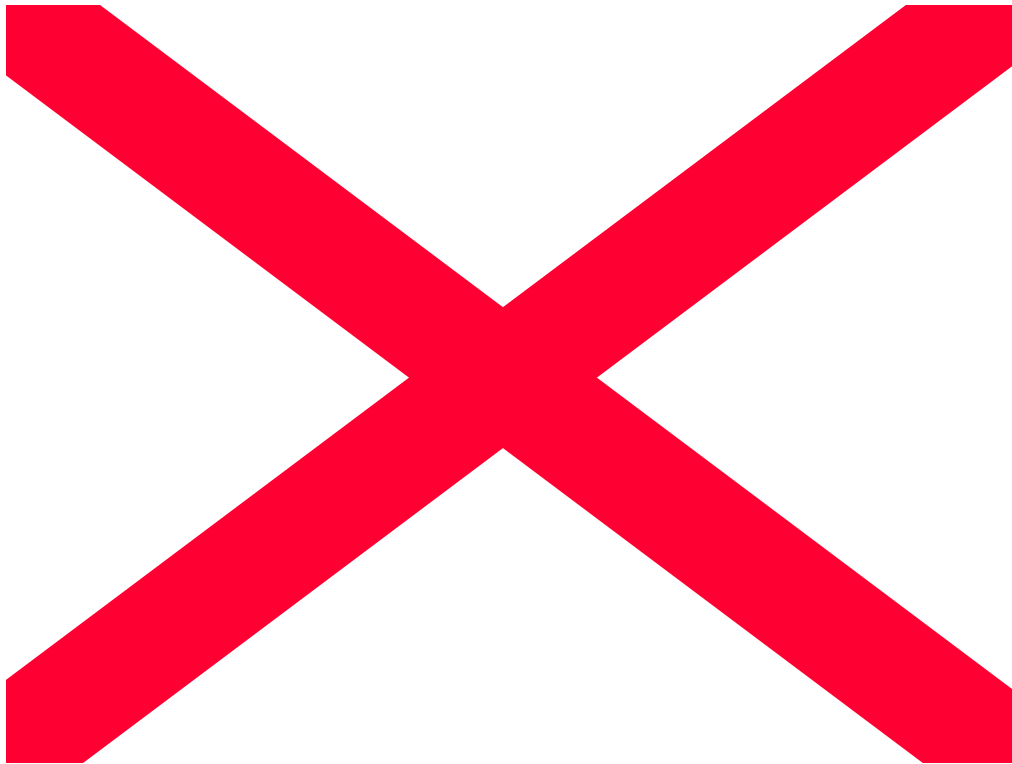
Phase Three - Recovery

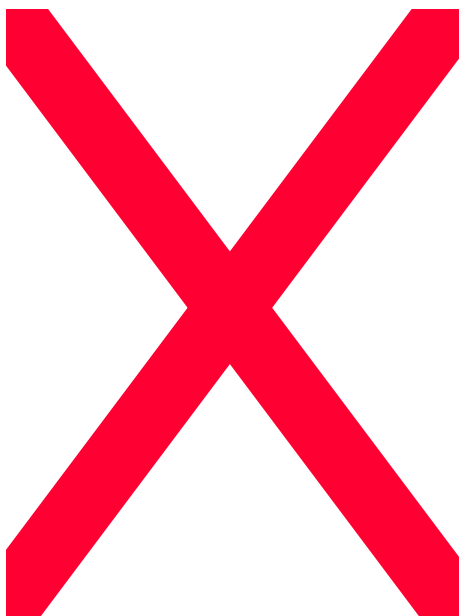


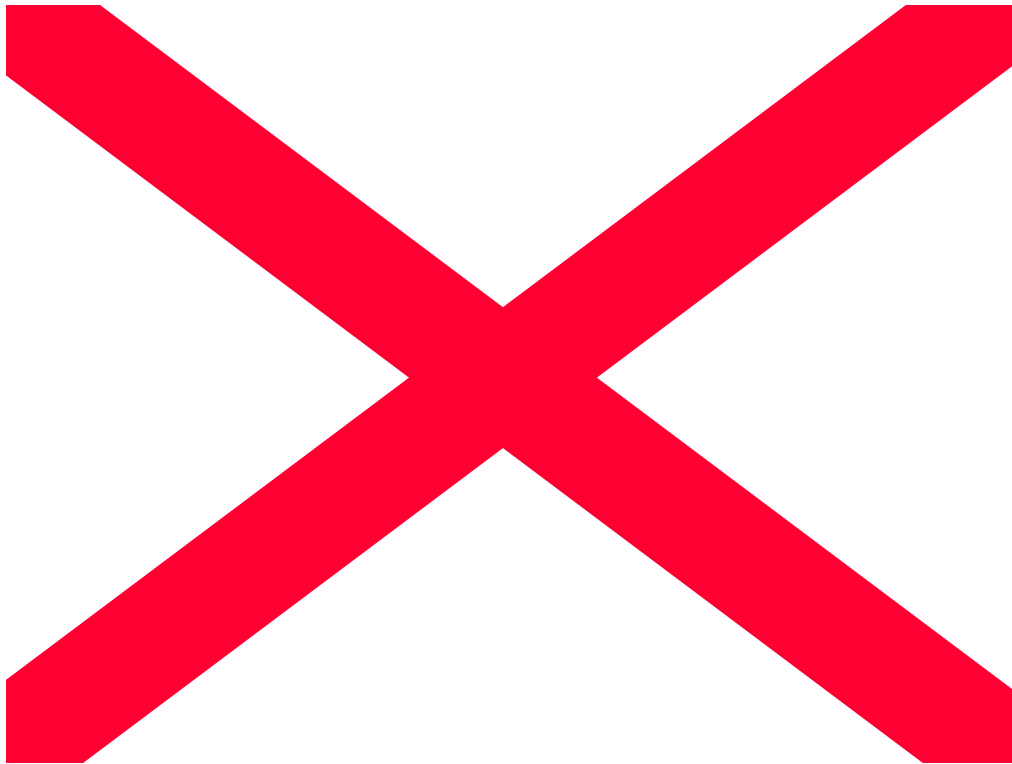


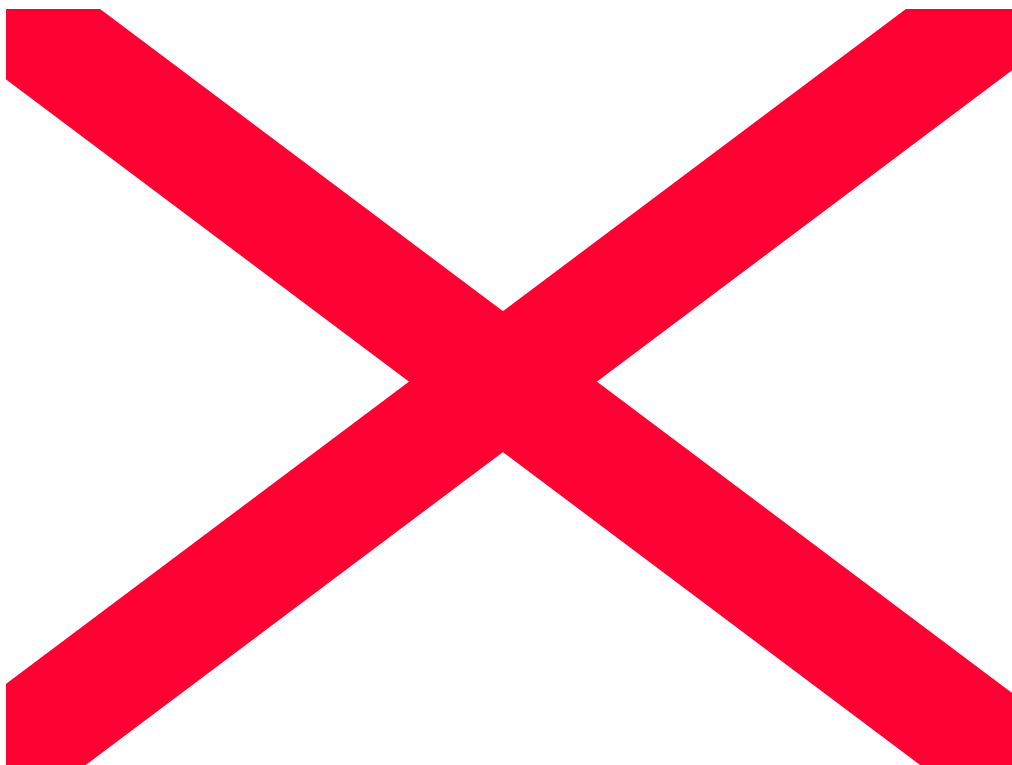












Questions???

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