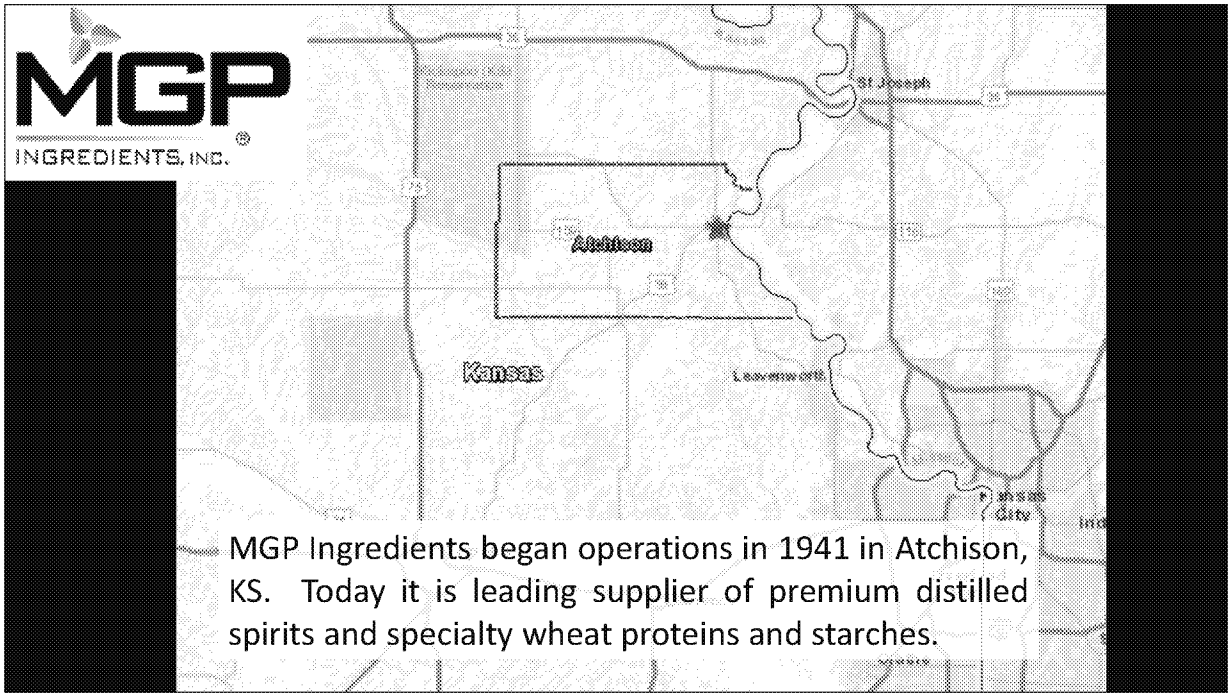
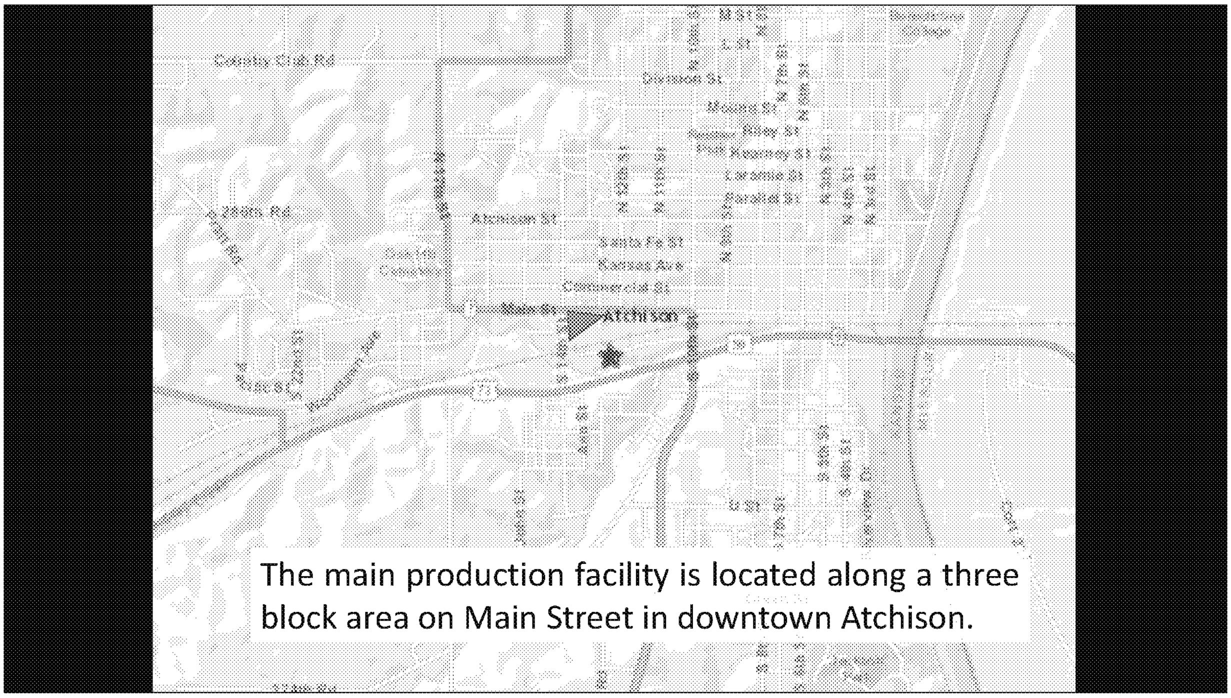
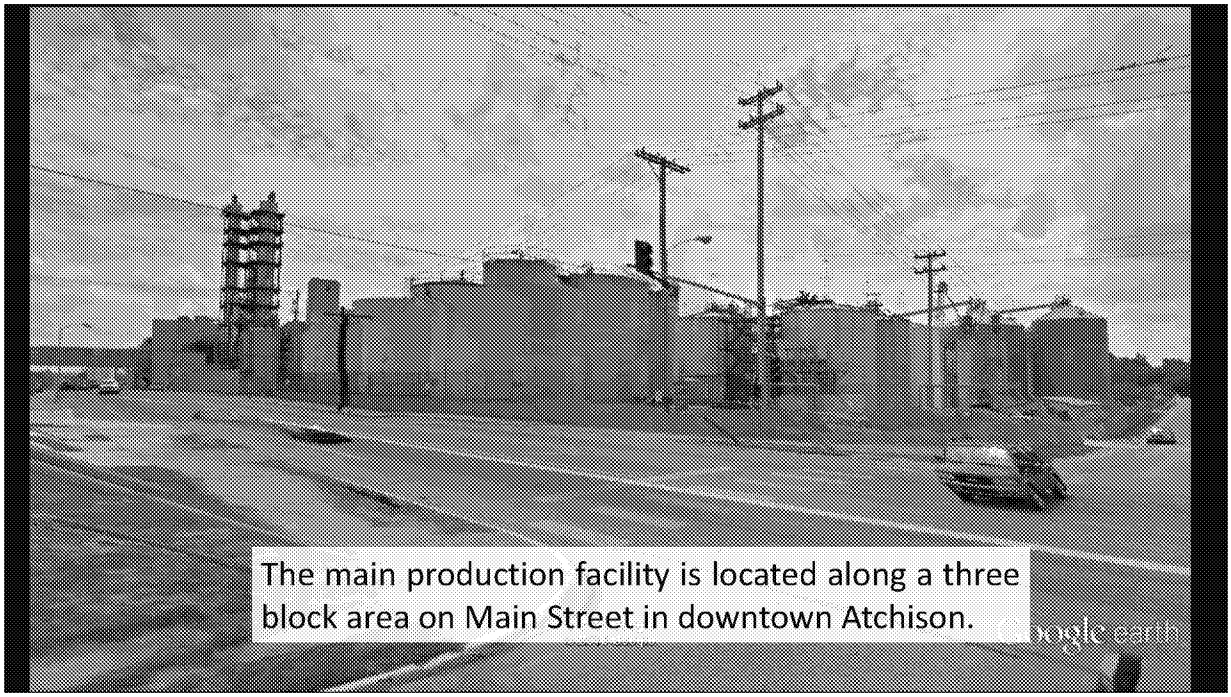
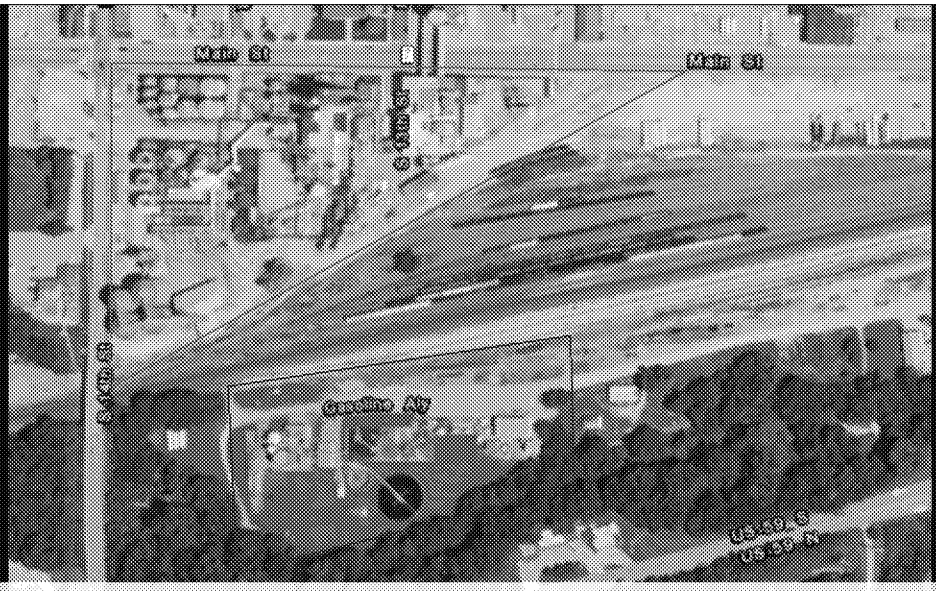
MGP Ingredients
Chlorine Release
10/21/2016
Aitchison, KS
* kshb.com – picture by Dunn Heating and Cooling



MGP Ingredients began operations in 1941 in Atchison, KS. Today it is leading supplier of premium distilled spirits and specialty wheat proteins and starches.


Atchison
The main production facility is located along a three block area on Main Street in downtown Atchison.


The main production facility is located along a three block area on Main Street in downtown Atchison.
oogle earth



MGP operates an industrial wastewater pretreatment facility located south of the plant across the Burlington Northern rail tracks.

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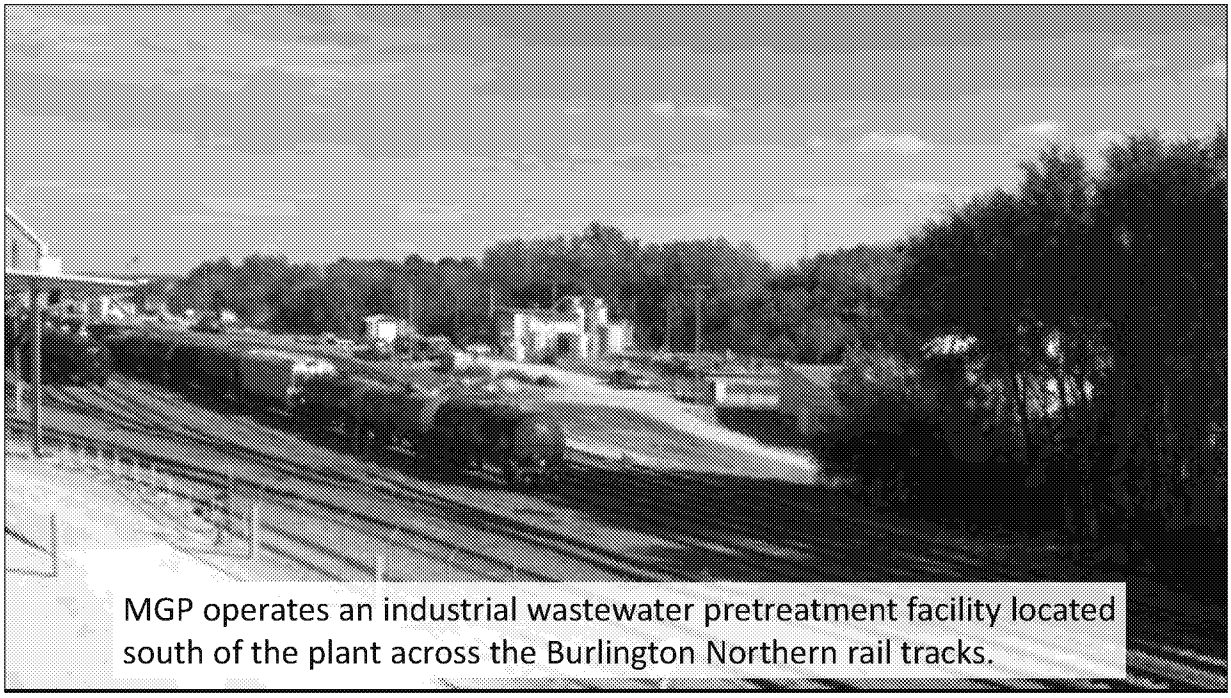
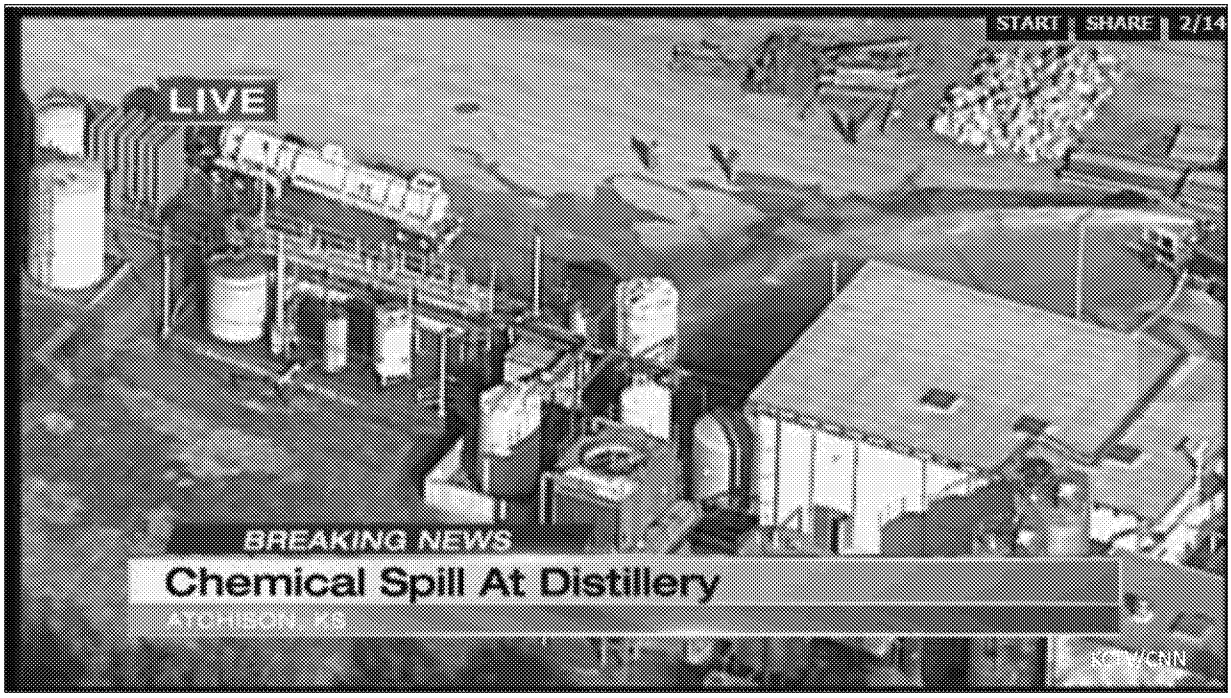
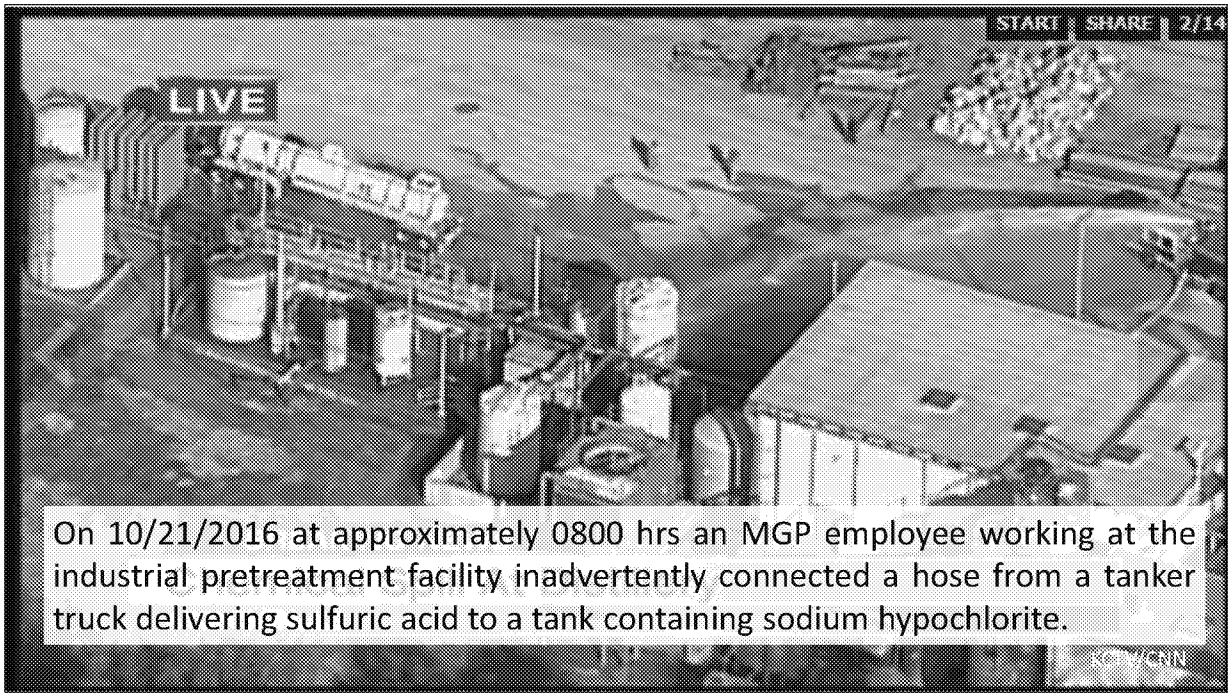
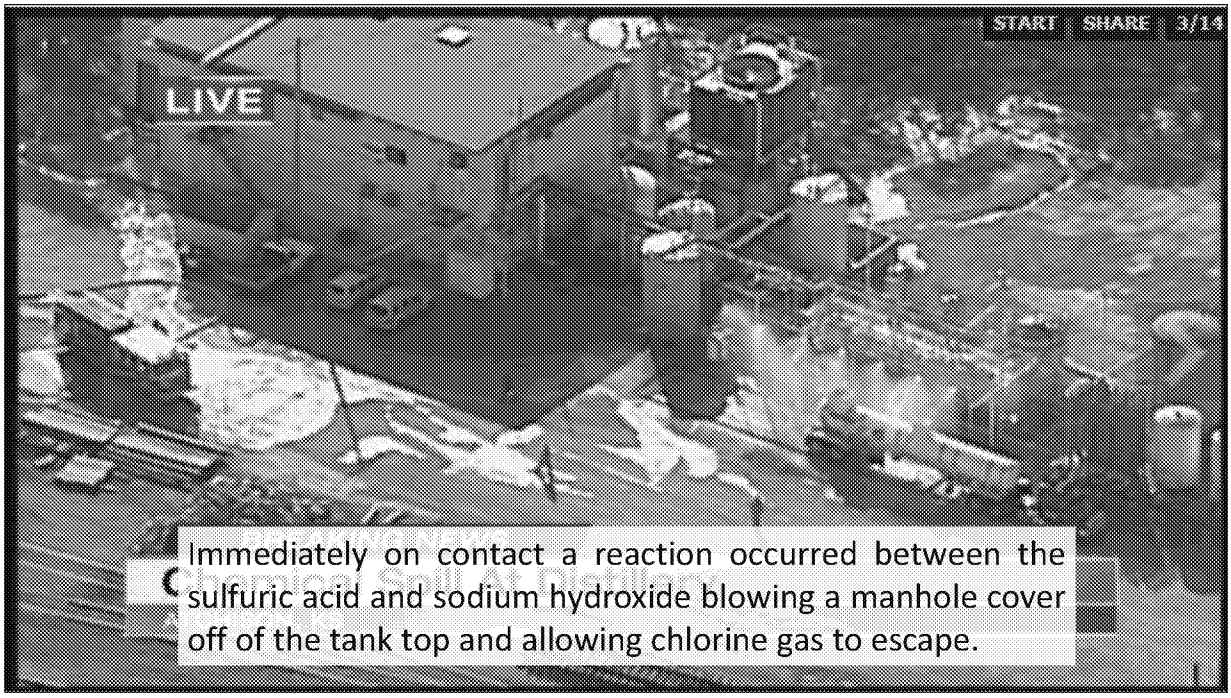
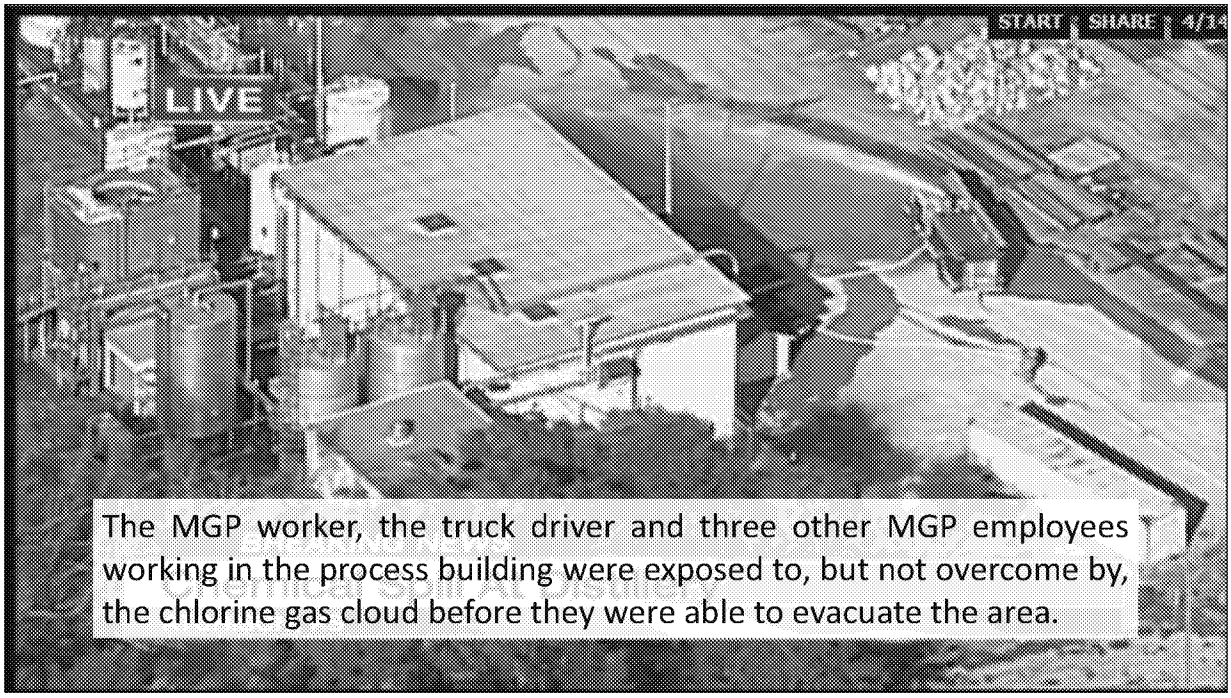


MGP operates an industrial wastewater pretreatment facility located south of the plant across the Burlington Northern rail tracks.

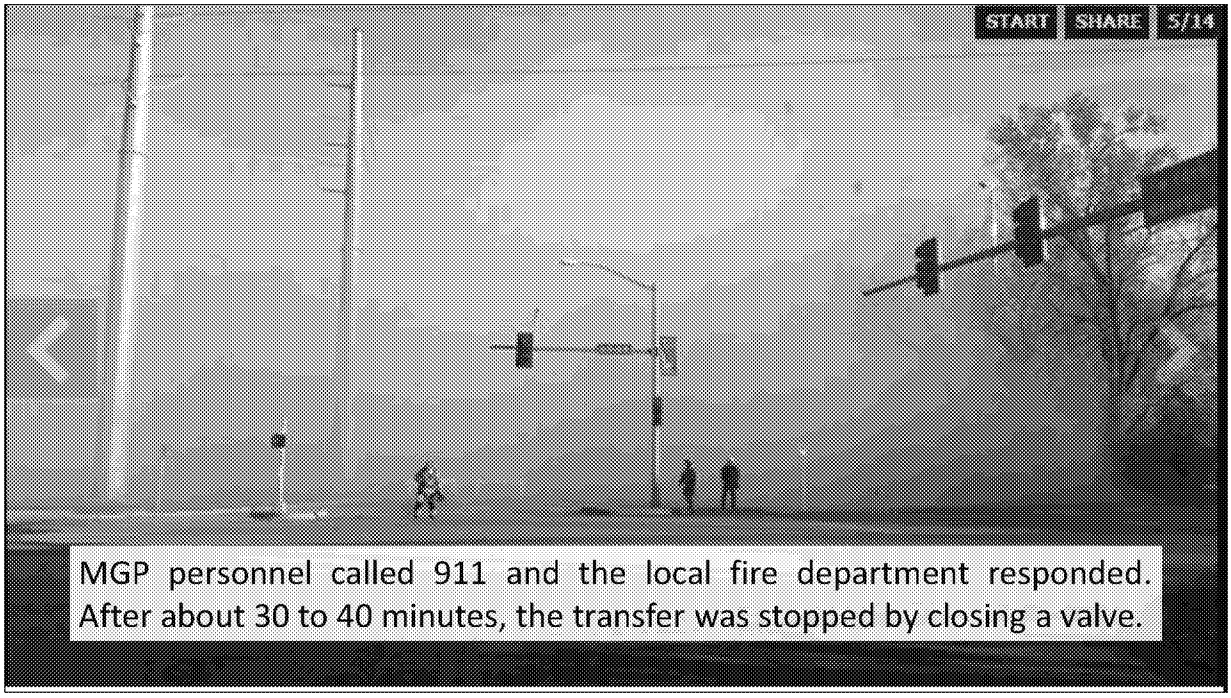

START
SHARE
2/14
LIVE
BREAKING NEWS
Chemical Spill At Distillery
ATCHISON, KS
KCTV/CNN

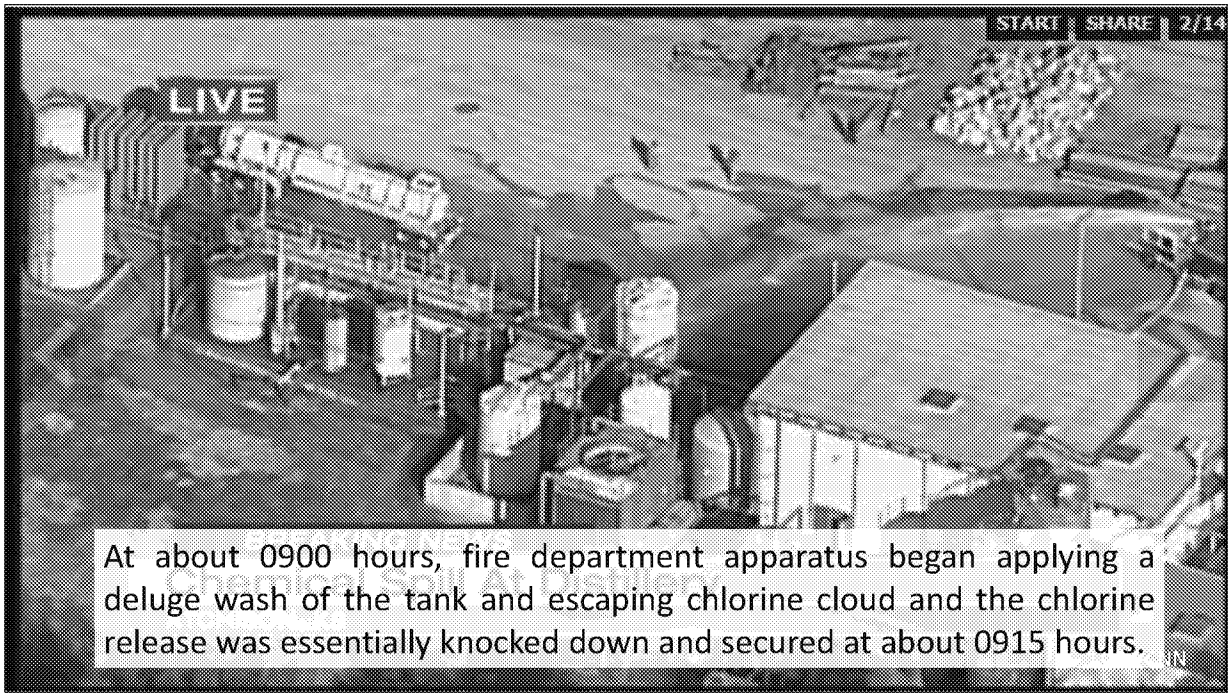

START
SHARE
2/14
LIVE
On 10/21/2016 at approximately 0800 hrs an MGP employee working at the industrial pretreatment facility inadvertently connected a hose from a tanker truck delivering sulfuric acid to a tank containing sodium hypochlorite.
KCBW/CNN


START
SHARE
3/14
LIVE
Immediately on contact a reaction occurred between the sulfuric acid and sodium hydroxide blowing a manhole cover off of the tank top and allowing chlorine gas to escape.

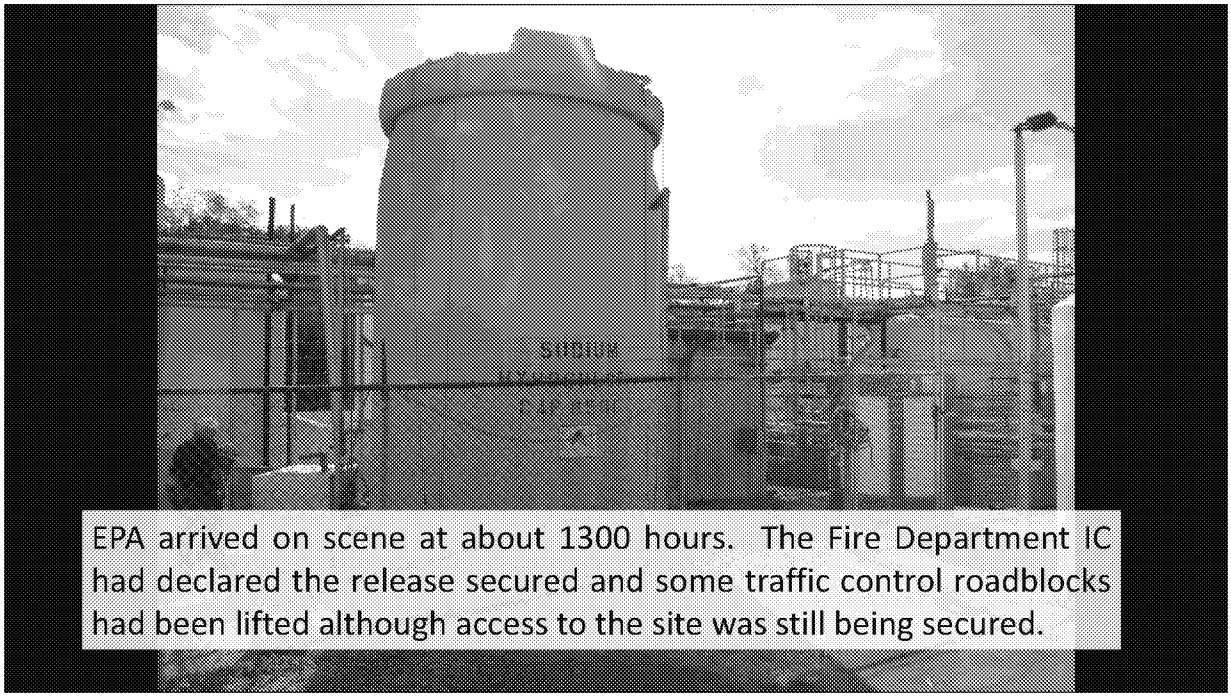


The MGP worker, the truck driver and three other MGP employees working in the process building were exposed to, but not overcome by, the chlorine gas cloud before they were able to evacuate the area.

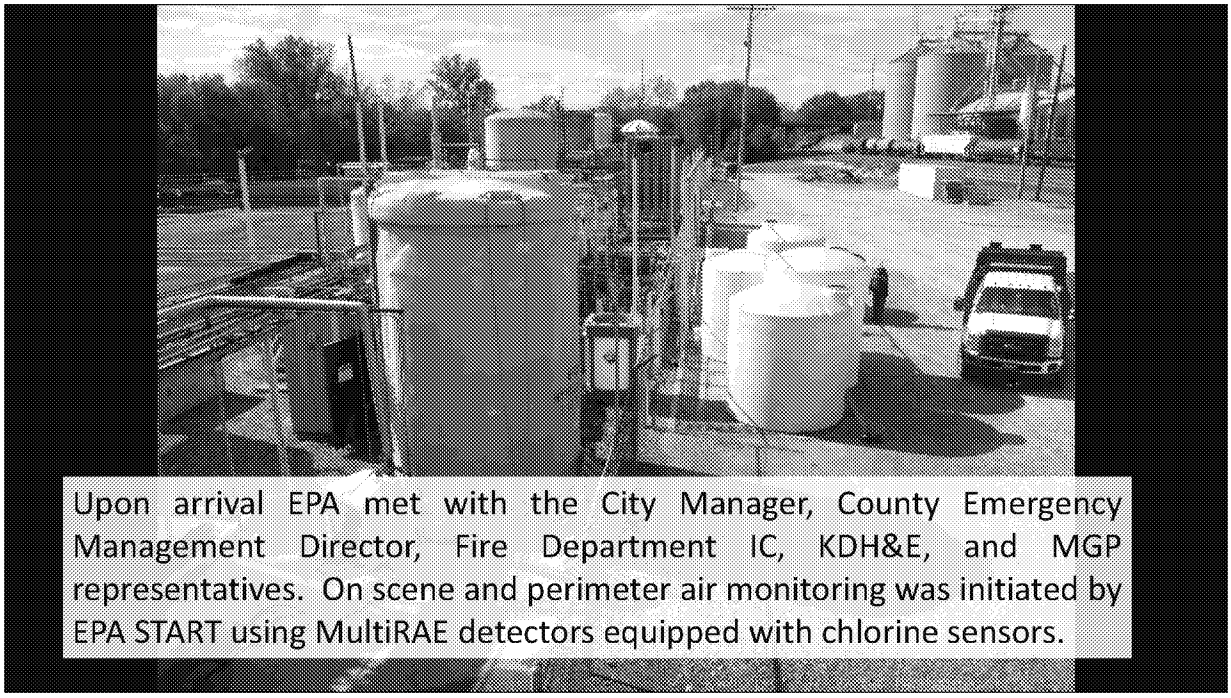

START
SHARE
5/14
MGP personnel called 911 and the local fire department responded. After about 30 to 40 minutes, the transfer was stopped by closing a valve.



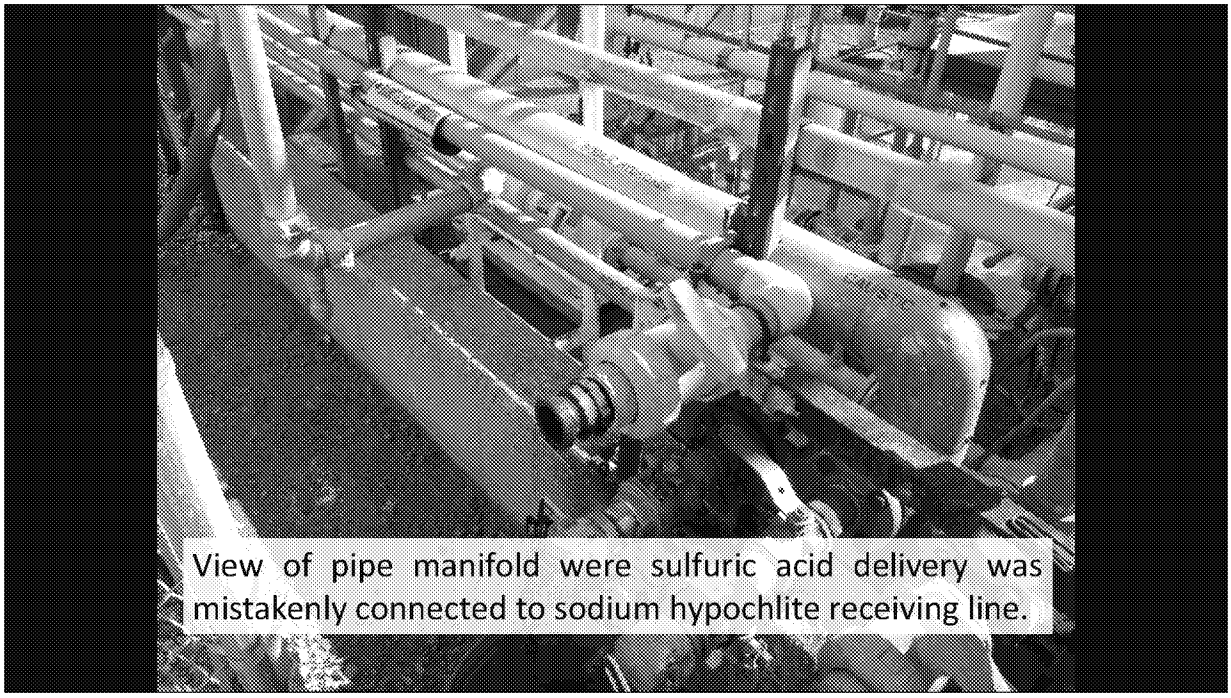
At about 0900 hours, fire department apparatus began applying a deluge wash of the tank and escaping chlorine cloud and the chlorine release was essentially knocked down and secured at about 0915 hours.



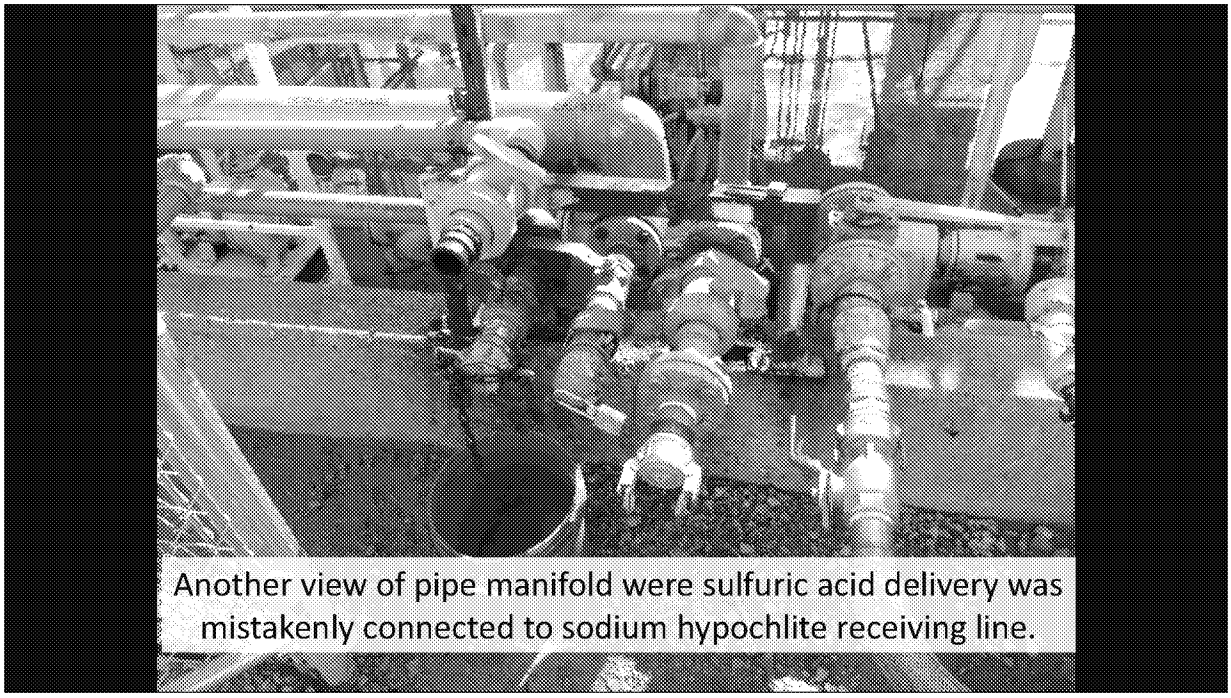
EPA arrived on scene at about 1300 hours. The Fire Department IC had declared the release secured and some traffic control roadblocks had been lifted although access to the site was still being secured.



Upon arrival EPA met with the City Manager, County Emergency Management Director, Fire Department IC, KDH&E, and MGP representatives. On scene and perimeter air monitoring was initiated by EPA START using MultiRAE detectors equipped with chlorine sensors.

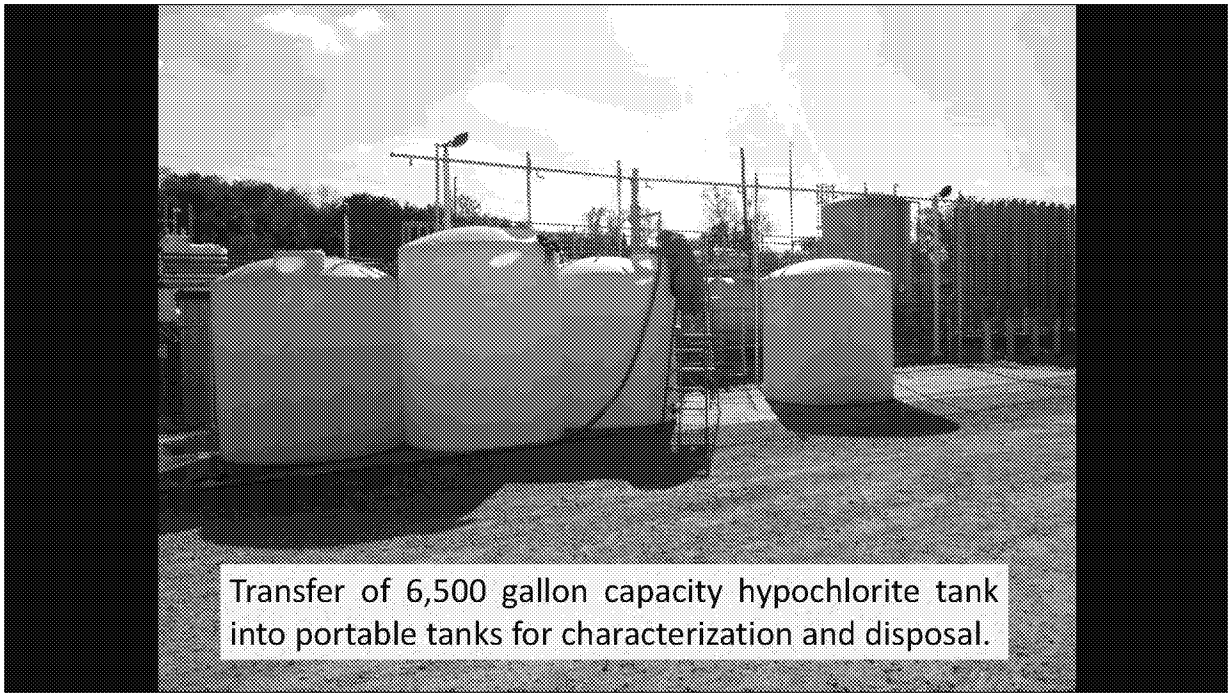


View of pipe manifold were sulfuric acid delivery was mistakenly connected to sodium hypochlite receiving line.

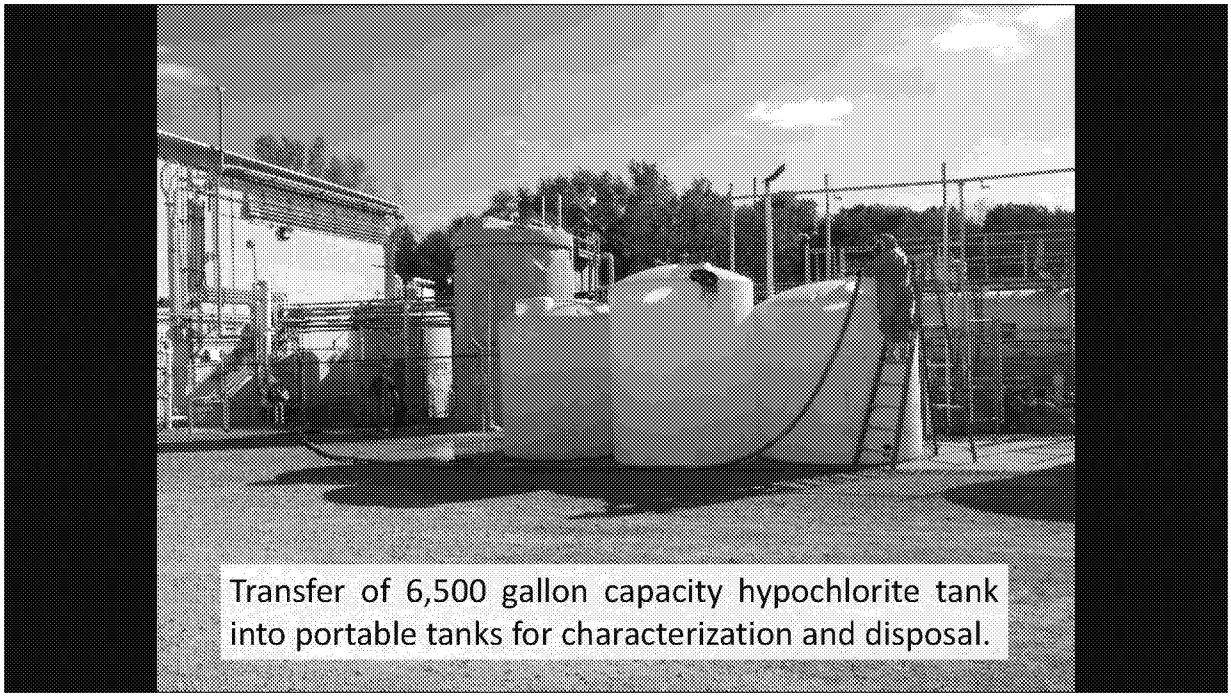


Another view of pipe manifold were sulfuric acid delivery was mistakenly connected to sodium hypochlite receiving line.

Labelled pipe lines.



Transfer of 6,500 gallon capacity hypochlorite tank into portable tanks for characterization and disposal.



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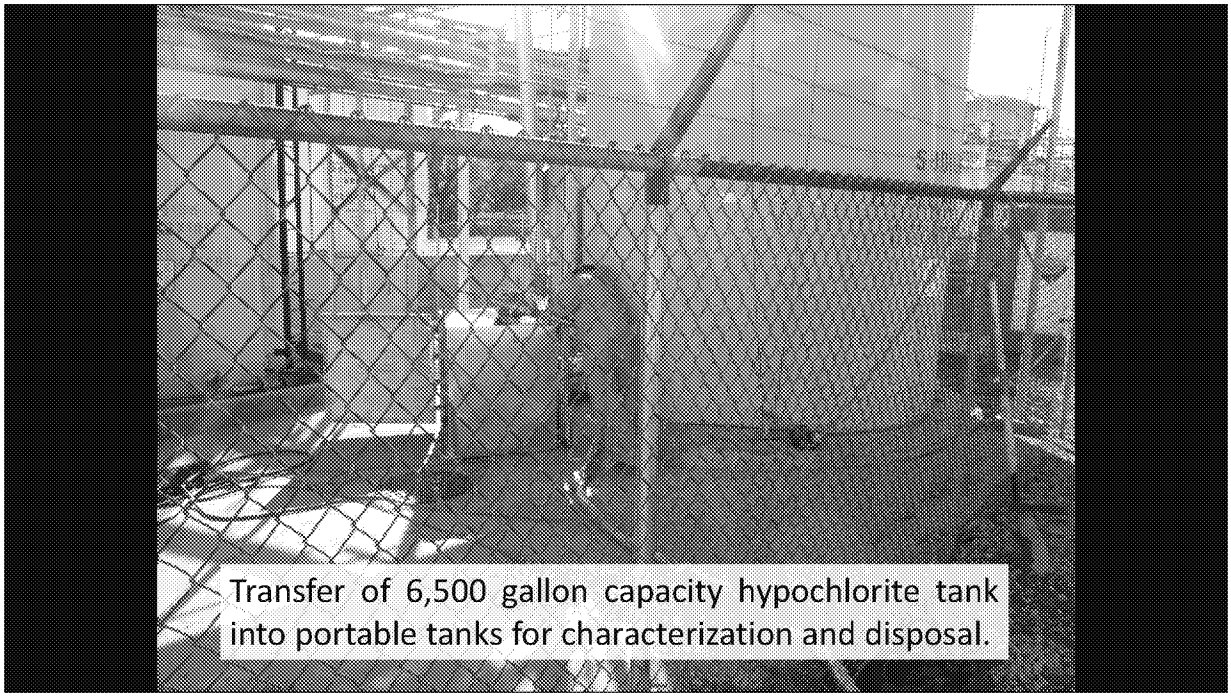

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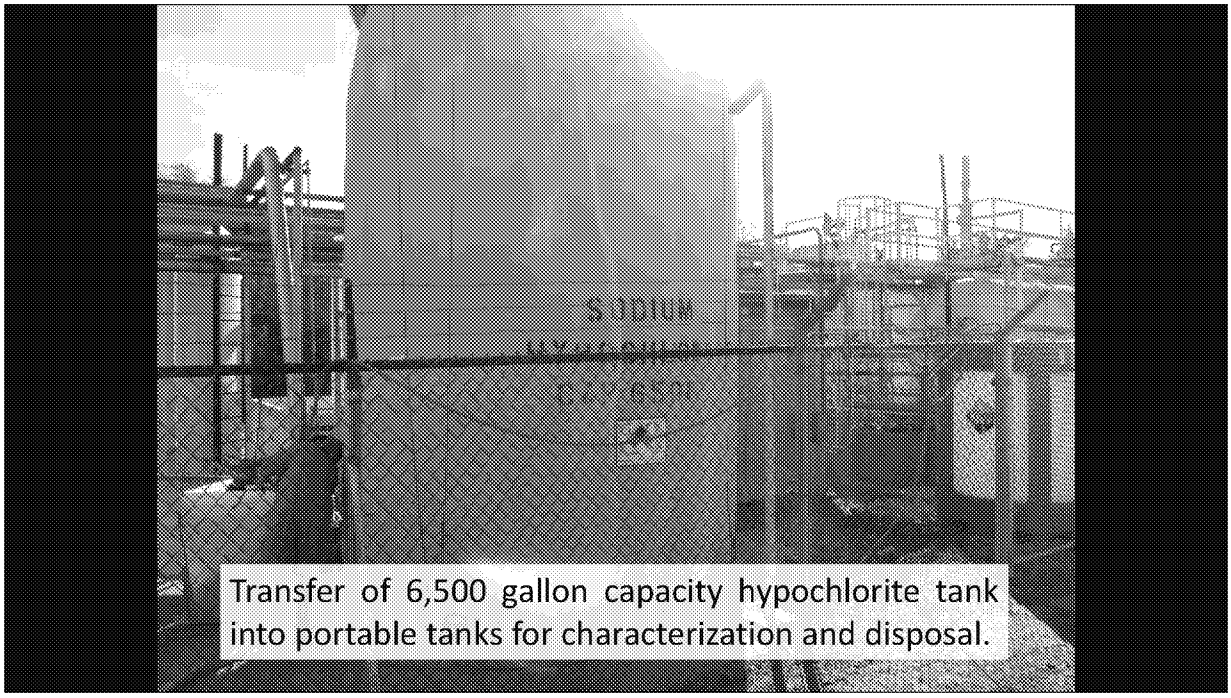

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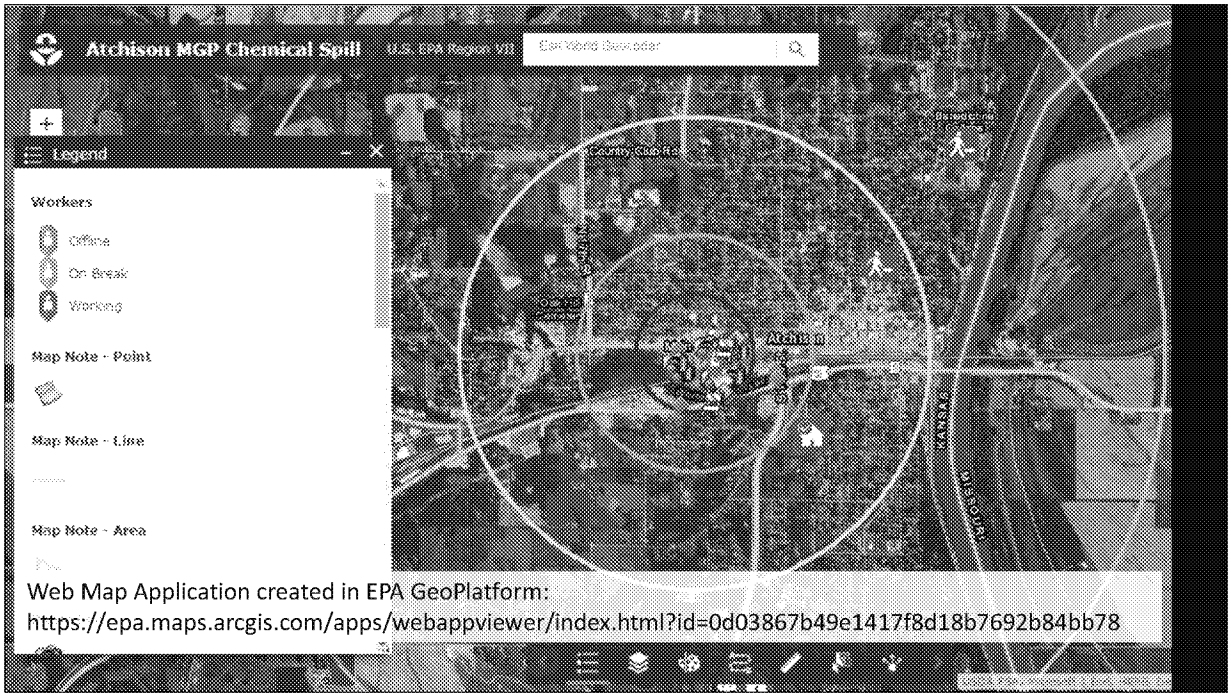
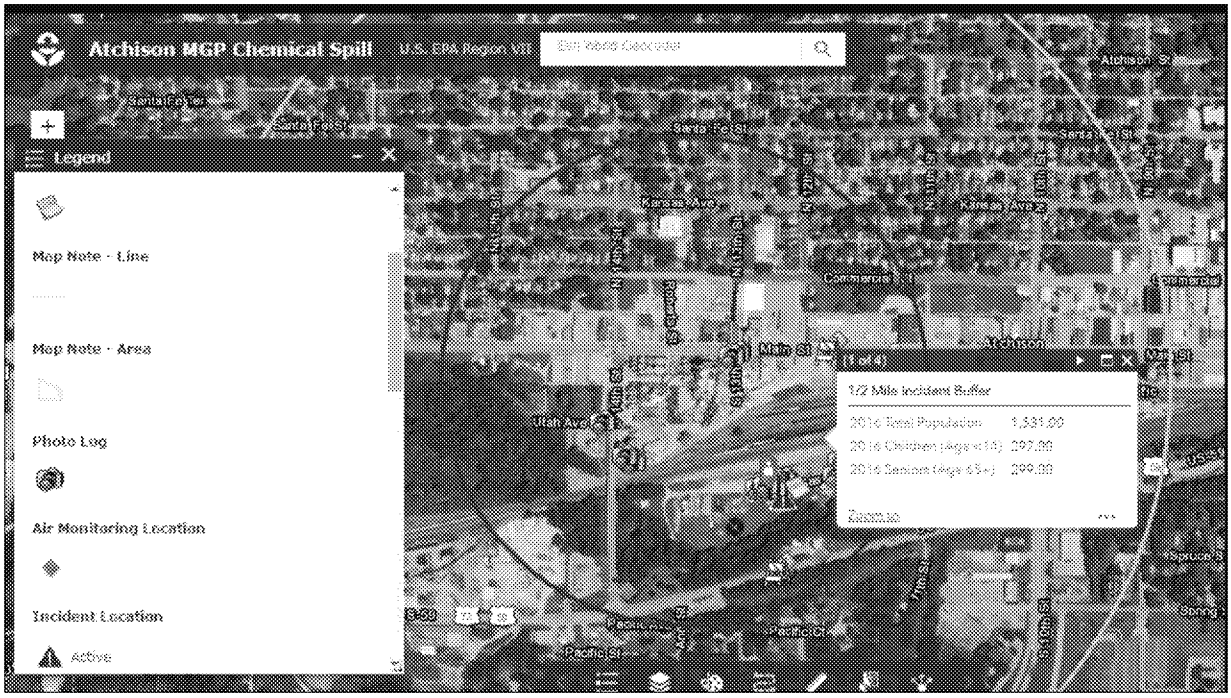
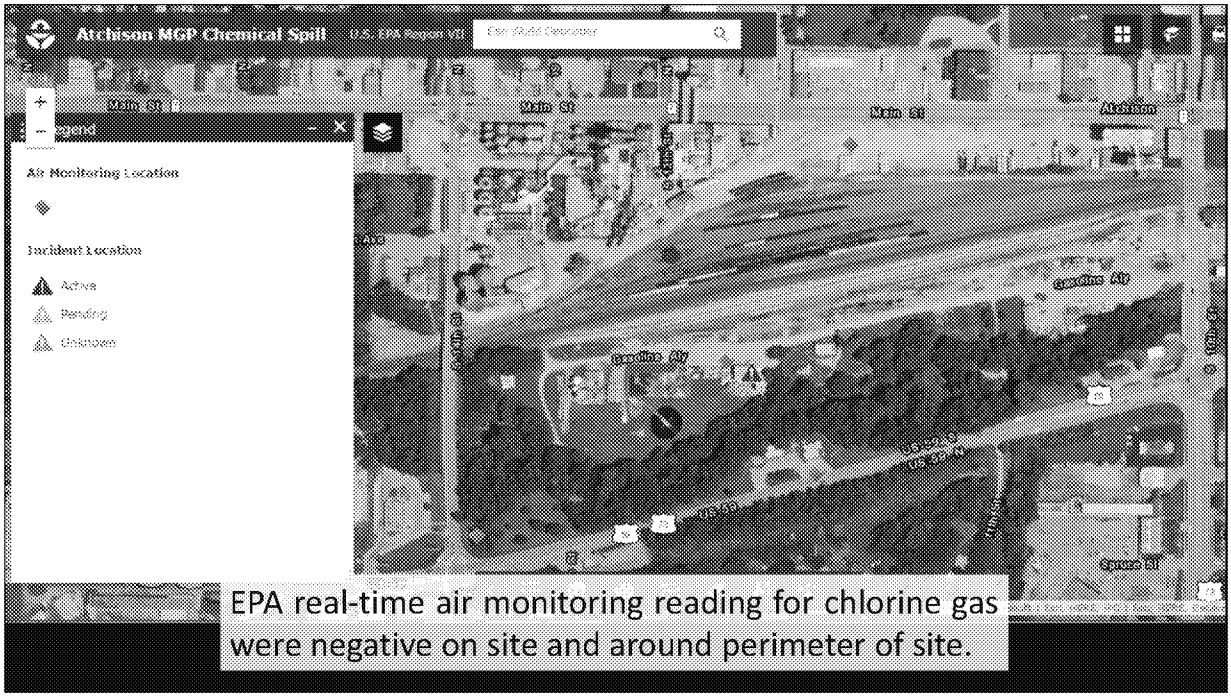


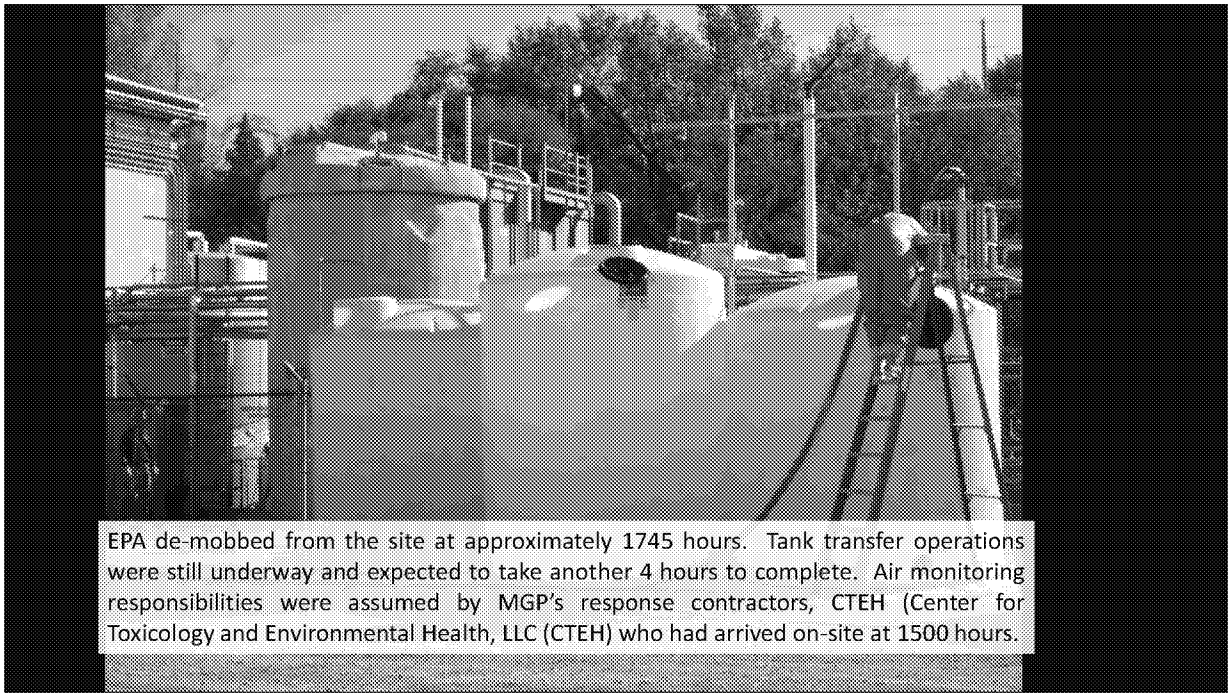
Web Map Application created in EPA GeoPlatform:
https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=0d03867b49e1417f8d18b7692b84bb78


Atchison MGP Chemical Spill
U.S. EPA Region VII
Legend
Map Note - Line
Map Note - Area
Photo Log
Air Monitoring Location
Incident Location
Active
1/2 Mile Incident Buffer
2010 Total Population 1,531.00
2010 Children (age < 18) 297.00
2010 Seniors (age 65+) 299.00
Zoom to



EPA real-time air monitoring reading for chlorine gas were negative on site and around perimeter of site.

Photolog and air monitoring readings were posted in real-time on EPA's GeoPlatform Web Map Application: https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=0d03867b49e1417f8d18b7692b84bb78



EPA de-mobbed from the site at approximately 1745 hours. Tank transfer operations were still underway and expected to take another 4 hours to complete. Air monitoring responsibilities were assumed by MGP's response contractors, CTEH (Center for Toxicology and Environmental Health, LLC (CTEH) who had arrived on-site at 1500 hours.

http://www.kansascity.com/news/local/article109654837.html