Message

From: gray.david@epa.gov [gray.david@epa.gov]
Sent: 4/3/2019 9:05:07 PM
To: Acevedo, Janie [Acevedo.Janie@epa.gov]
CC: mackenzie.morales@mail.house.gov ['mackenzie.morales@mail.house.gov']; lydra.spaun@mail.house.gov ['lydra.spaun@mail.house.gov']; blair.rotert@mail.house.gov ['blair.rotert@mail.house.gov']; ben.vansickle@mail.house.gov ['ben.vansickle@mail.house.gov']; ben.jackson@mail.house.gov ['ben.jackson@mail.house.gov']; christopher.harvey@mail.house.gov ['christopher.harvey@mail.house.gov']; brooke.boyett@mail.house.gov ['brooke.boyett@mail.house.gov']; Brittney.may@mail.house.gov ['Brittney.may@mail.house.gov']; austin.bray@mail.house.gov ['austin.bray@mail.house.gov']; Heather.Washburn@mail.house.gov ['Heather.Washburn@mail.house.gov']; Vita.swarers@mail.house.gov ['Vita.swarers@mail.house.gov']; amena.ross@mail.house.gov ['amena.ross@mail.house.gov']; matt.rowland@mail.house.gov ['matt.rowland@mail.house.gov']; rachael.rodriguez@mail.house.gov ['rachael.rodriguez@mail.house.gov']; thomas.hester@mail.house.gov ['thomas.hester@mail.house.gov']; johanna.carlson@mail.house.gov ['johanna.carlson@mail.house.gov']; 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Subject: KMCO Fire Update - April 3, 2019

KMCO INC Update
Crosby, Texas
NRC # 1241683

April 2, 2019 1800-April 3, 2019 1400

- KMCO was in the facility on April 2, 2019 and April 3, 2019, ensuring that the hot spot areas are completely extinguished.
- As of April 3, 2019, the KMCO facility is shutdown.
- KMCO is currently in the process of inspecting and securing tankage.
- KMCO is currently working on collecting firefighting waterrunoff both on-site (facility property) and off-site (drainage ditch along Crosby-Dayton Rd) and securing those materials in frac tanks.
- EPA, TCEQ, Harris County Pollution Control Service, and RP Contractor did roving air monitoring with no detections for VOCs, although periodic odors have been observed in the area.
- As of April 3, 2019, no response issues have been reported and cleanup activities are moving forward.
- On April 3, 2019, TAGA and ASPECT completed the final runs and have moved back to ITC Fire.
- The Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft conducted a screening level assessment to evaluate the unreported or undetected releases of hazardous materials or contaminants at the KMCO Inc. in Crosby, Texas on April 3, 2019 from 9:00 am to 9:40 am. The screening level results from ASPECT were compared to the ASPECT list of Texas Commission on Environmental Quality (TCEQ) short-term Air Monitoring Comparison Values (AMCVs) and found no exceedances of the short-term AMCVs. No chemicals were detected by the ASPECT.
- EPA conducted handheld air monitoring at the facility from April 2, 2019 at 2:15 pm to April 3, 2019. No results above the detection limit have been observed.

• EPA conducted air sampling using the Trace Atmospheric Gas Analyzer (TAGA) on April 3, 2019. The TAGA analyzed the air samples for benzene, toluene and xylene. The TAGA air sampling results were compared to the Texas Commission on Environmental Quality TCEQ short-term Air Monitoring Comparison Values (AMCVs) and found no exceedances of the short-term AMCVs for benzene, toluene and xylene.

Sent from my iPhone

On Apr 2, 2019, at 6:58 PM, Gray, David <gray.david@epa.gov> wrote:

<image001.gif>
Good evening,

I know many of you heard about another fire in the greater Houston area today. I wanted to quickly share a copy of our incident update with you.

David

<image002.png>

KMCO INC Update
Crosby, Texas
NRC # 1241683

April 2, 2019 1800

- On April 2, 2019, Region 6 was notified about a fire and explosion at the KMCO Crosby, Texas chemical facility. The NRC report states the fire started around 1200 CST. KMCO is a specialty chemical manufacturer that produces custom chemical blends for various customers. Their Risk Management Plan (RMP) indicates they have several RMP regulated substances, some flammables and toxics including ethyl chloride, ethylene oxide, sulfur dioxide, formaldehyde, ammonia, propylene oxide, and isobutylene (2-methylpropene). News reports state isobutylene started the explosion/fire and there are two injuries and one death from the event.
- OSC Moore is en route to the site and OSC Loesel is on scene coordinating with first responders (Texas Commission on Environmental Quality (TCEQ), Crosby Fire Department, and KMCO Inc.).
- The Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft has conducted a screening level assessment to evaluate the unreported or undetected releases of hazardous materials or contaminants at the KMCO Inc. in Crosby, Texas. The screening level results from ASPECT were compared to the EPA Acute Exposure Guideline Levels (AEGLs) and the Agency for Toxic Substance and Disease Registry (ATSDR) Minimal Risk Levels (MRL). The ASPECT detected ammonia at approximately 1 ppm which less than the AEGL-1 level of 30 ppm and the acute ATSDR MRL of 1.7 ppm. The AEGL-1

is intended for exposure less than 8 hours and the acute MRL is intended for exposure less than 14 days. In addition, ASPECT had a single detect of isobutylene.

- EPA conducted handheld air monitoring in the surrounding community and schools. The air monitoring teams did not detect any readings above background.
- The Trace Atmospheric Gas Analyzer (TAGA) mobile laboratory began mobile monitoring in the surrounding area and has not detected any readings above the short term TCEQ AMCVs.
- Local officials have lifted the shelter in place issued after the explosion. The fire was reported out at approximately 1600 CST; however, the site is being monitored for hot spots.

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