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Sent: Thursday, March 21, 2019 4:11 PM
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Subject: ITC March 21, 2019 Afternoon Update
Attachments: Intercontinental Terminals Company march 21 2019 pm update FINAL.docx

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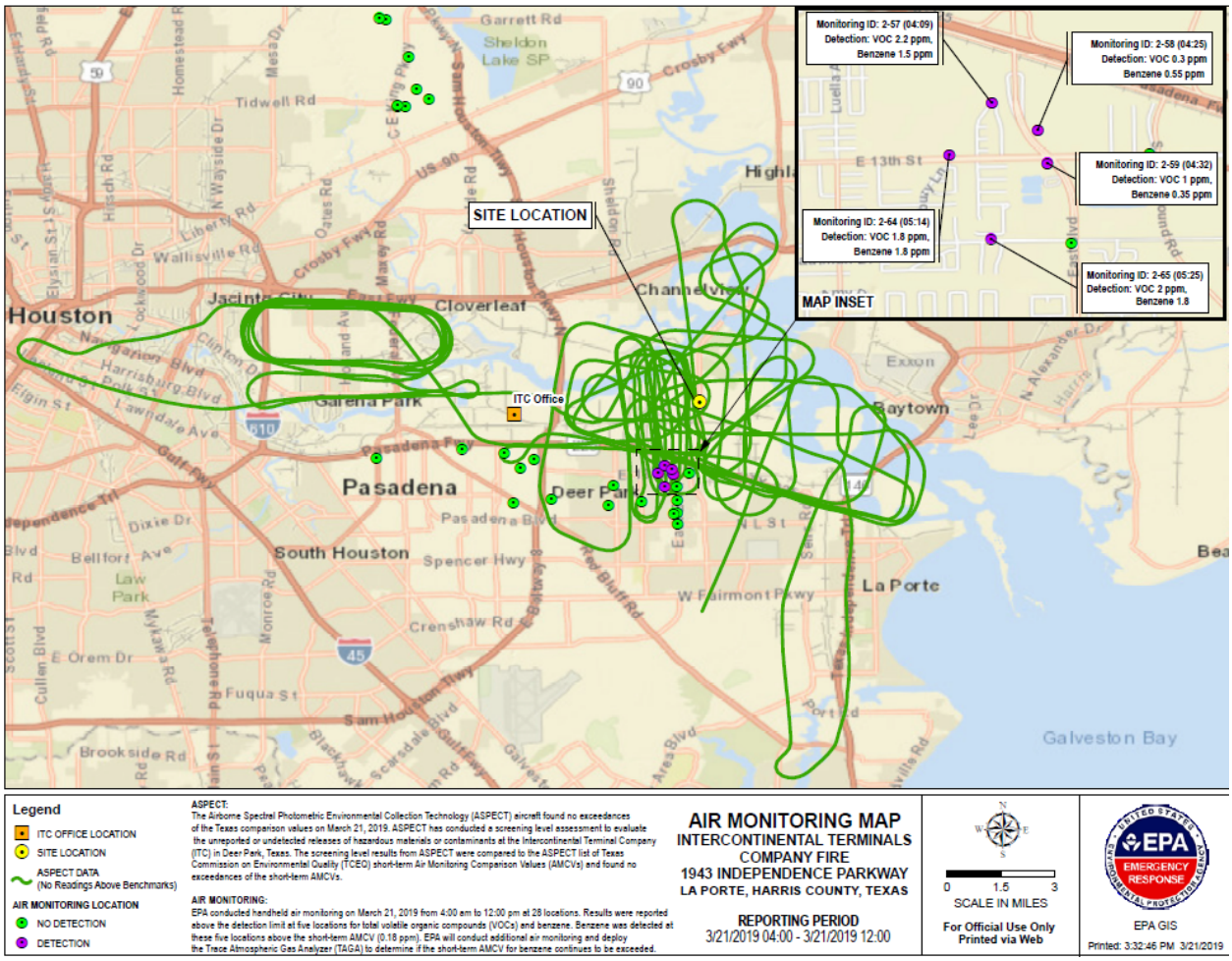
Intercontinental Terminals Company (ITC) Fire Afternoon Update
Deer Park, Texas
March 21, 2019 0400 - 1200

- EPA continues to participate in Unified Command with TCEQ, Harris County Pollution Control Services, and ITC.
- The shelter-in-place for Deer park was lifted at 12:00 pm. The shelter-in-place was in effect after EPA detected a benzene level of 1.8 ppm in a residential area south of Highway 225, EPA informed Unified Command. The City of Deer Park issued the community shelter-in-place and close Highway 225, which was performed at 4:50 am.
- EPA notified ATSDR and the Poison Control Center of elevated levels of Benzene in the air in the area surrounding the ITC facility in Deer Park, Texas.
- Fire operations are still ongoing, with maintaining of the foam blanket in the secondary containment to prevent reignition of hot spots. Foam is being added approximately 3 times every 4 hours at a rate of 180,000 gallons of foam per foaming operation. The facility stated that there is approximately 2 feet of free board within the secondary containment. The secondary containment has a capacity of 175,000 barrels (7.38 million gallons). The facility will open outfall 003 per foaming operation to manage water in the secondary containment to maintain current levels. TCEQ and EPA requested water sampling be done each time outfall is opened. This will be added to the Water Sampling plan.
- ITC developed a preliminary plan for managing the water in the secondary containment once the fire operations have ceased. The facility plans to pump the water to an empty tank and then dispose of it as waste. They will coordinate with TCEQ water and RCRA programs on this strategy.
- ITC will initiate sampling of all brands of foam used during the response to determine if any contained PFOS and PFOA. This operation was scheduled to begin on March 21, 2019, however due to health and safety concerns the sampling has been delayed until the next operational period. The analysis is expected to take five days.
- EPA conducted water sampling on March 21, 2019, for PFOS / PFOA analysis, Chemical Oxygen Demand, VOCs, SVOCs and Oil/Grease. The samples were collected at locations along Buffalo Bayou and the San Jacinto River. EPA water sampling operations are ongoing and have not returned by the end of this reporting period. Water sampling locations will be provided in the morning update.
- EPA water sampling resources observed product in the water at the confluence of Tucker Bayou and Buffalo Bayou/Houston Ship Channel.
- ITC continues to take water samples every two hours at the ditch feeding into Tucker Bayou and sending the samples to an outside laboratory for analysis.
- EPA, TCEQ, ITC, and the State of Texas Civil Support Team will be conducting air monitoring throughout the community.
- The Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft found no exceedances of the Texas comparison values on March 21, 2019. ASPECT has conducted a screening level assessment to evaluate the unreported or undetected releases of hazardous materials or contaminants at the Intercontinental Terminal Company (ITC) in Deer Park, Texas. 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.

- The Trace Atmospheric Gas Analyzer (TAGA) mobile laboratory initiated real-time sampling of outdoor air in Deer Park communities in the vicinity of the facility.
- EPA conducted handheld air monitoring on March 21, 2019, from 4:00 am to March 21, 2019 12:00 pm at 28 locations. Results were reported above the detection limit at 5 locations for total volatile organic compounds (VOCs) and benzene. Benzene was detected at these four locations above the short-term AMCVs for benzene (0.18 ppm). EPA notified Unified Command and local officials for further action. EPA will conduct additional air monitoring and deploy TAGA asset for verification to determine if the TCEQ AMCV for benzene has been exceeded.
- ITC started removing product from one of the Pyrolosis Gas tanks (80-07) on March 21, 2019, which is being stored in an empty tank in another part of the facility (100-28). The tank should be empty by the next reporting period.
- EPA opened an FPN for $50,000 to fund oil discharge response efforts related to the ITC Tank Fire. These funds will cover assistance received from NOAA Scientific Support Coordinator.