Intercontinental Terminals Company (ITC) Fire Update
Deer Park, Texas
April 7, 2019 0000 – April 7, 2019 1159

Land Operations:

- On April 7, 2019, ITC received permission from TCEQ to start re-circulating the waste water treatment process without discharging any water.
- On April 7, 2019, ITC started degassing tank 80-13 and continued degassing tanks 80-14 and 80-15 using a thermal oxidizer to decrease off-gassing, and continued sludge break-up operations for tank 80-15.
- ITC continues to drain Tanks 80-5 and 80-8 into Vac Trucks for transport to designated tanks for future disposal. The tanks are anticipated to be pumped down with residual amounts remaining by April 8, 2019.
- On April 7, 2019, ITC continued to conduct cleaning operations on Tanks 80-2 and 80-3.
- ITC continues applying foam to the tanks and tank farm area as needed.

Tank Status	Tank No.
Complete*	80-2, 80-3, 80-7, 80-9, 80-10, 80-12, 80-13, 80-14, 80-15
Standby	80-1, 80-4, 80-5, 80-6, 80-8, 80-11

*The tank status are estimates provided by ITC based on thermal imaging calculations. The tanks with complete status may have residual products and/or may be partially refilled by overspray, foam, or containment water due to other tank operations

Water Operations:

- ITC continued 24-hr water skimming and flushing operations at Tucker Bayou on April 7, 2019. The four layers of 18”-boom located north of the Dow Bridge were removed at 9:00 to divert product to Marco boat skimmers located at confluence of Tucker Bayou at the Houston Ship Channel. Flushing and skimming operations ceased at 1000 due to inclement weather.
- At approximately 3:00 pm on April 7, 2019, EPA and TCEQ visually assessed Tucker Bayou to determine storm impacts in response to a closure of the Houston Ship Channel. A slight sheen of product was observed outside the 46”-boom located at the confluence of Tucker Bayou and the Houston Ship Channel. Most of the product from Tucker Bayou had remained contained within the secondary and tertiary 18”-boom.
- Due to severe weather, EPA did not conduct surface water sampling on April 7, 2019. The surface water samples previously collected along Buffalo Bayou and the San Jacinto River and were analyzed for per- and polyfluoroakyl substances (PFAS), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), chemical

oxygen demand (COD), and oil & grease. The results from the sampling event were compared to the TCEQ Surface Water Quality Standards (WQS), or to TCEQ Texas Risk Reduction Program surface water protective concentration levels (PCLs), if a WQS was not available for a chemical. On March 21, 2019, the surface water sample collected at the confluence of Tucker Bayou and Buffalo Bayou (BB-02) exceeded the PCL for oil and grease, and the WQS for naphthalene, benzene and total xylenes. On March 25, 2019, the surface water sample collected on Buffalo Bayou at the Battleship Texas (BB-05) exceeded the PCL for oil and grease. On April 2, 2019, the surface water sample collected on Buffalo Bayou at the Battleship Texas (BB-05) exceeded the WQS for 2-methylnaphthalene and phenanthrene. No other exceedances have been observed.

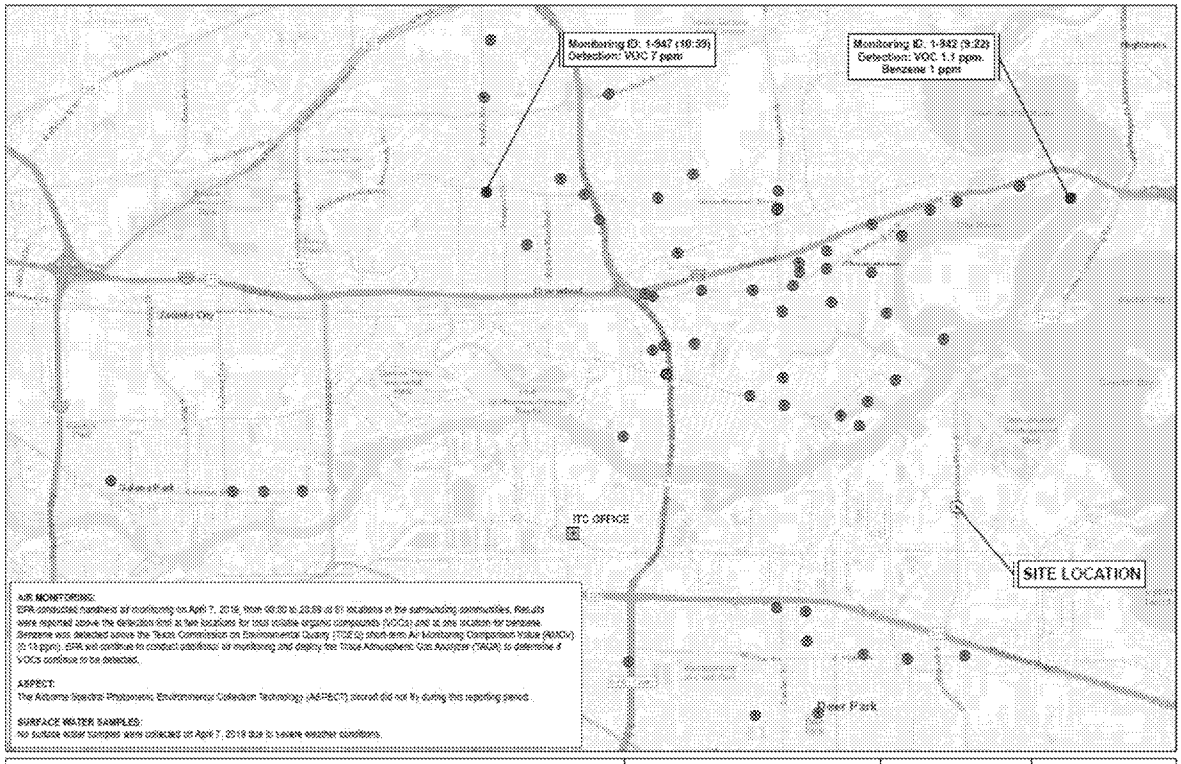
- The United States Coast Guard (USCG) Captain of the Port continues the controlled open for the Ship Channel, with traffic during the daytime only. Decontamination vessels are being positioned to help ships that may have residue on the hulls.
- As of Friday, April 7, 2019:
    - 147,300 feet of boom deployed
    - 110,070 bbl of product/water recovered from water operations
    - 153,980 bbl of product/water recovered from tank farm
    - Approximately 465,000 gallons of foam concentrate used for fire-fighting/suppression and emission suppression

Total Vessels as of April 7, 2019				
Work Boats	Barges	Small Capacity Skimming Vessels	Skimmers	Total Vessels
109	100	25	119	**353**

Community Air Monitoring:

- On April 7, 2019, the daytime air strike team (EPA, TCEQ, and ITC) returned to the Southwest Shipyard due to benzene being detected at 1.0 ppm. The team reported that a plume was coming from shipyard. TCEQ has been notified and will follow up.
- Several entities including TCEQ, EPA, and ITC continue to conduct air monitoring around the tank farm, in adjoining industrial areas, and communities downwind from the facility.
- EPA conducted handheld air monitoring on April 7, 2019, from 00:00 to 23:59 at 61 locations in the surrounding communities. Results were reported above the detection limit at two locations for total VOCs and at one location for benzene. Benzene was detected above the TCEQ short-term Air Monitoring Comparison Value (AMCV) (0.18 ppm). EPA will continue to conduct additional air monitoring and deploy the Trace Atmospheric Gas Analyzer (TAGA) to determine if VOCs continue to be detected.
- TCEQ continued handheld air monitoring on April 7, 2019 in the surrounding communities, from 12:00 am to 11:59 pm; no readings above the Unified Command action level were detected.
- The Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft did not fly during this reporting period due to maintenance. The aircraft will return when weather conditions are suitable.
- EPA conducted air sampling using the Trace Atmospheric Gas Analyzer (TAGA) on April 7, 2019. The TAGA analyzed the air samples for benzene, toluene and xylene. The TAGA air sampling results were compared to the TCEQ short-term AMCVs and found no exceedances of the short-term AMCVs. These results have been shared with unified command and local officials.

Additional Information: Air Monitoring and Water Sampling locations.



Legend

- ITC OFFICE LOCATION
- SITE LOCATION

AIR MONITORING LOCATION

- NON DETECTION
- DETECTION

AIR MONITORING MAP
INTERCONTINENTAL TERMINALS COMPANY FIRE
1943 INDEPENDENCE PARKWAY
LA PORTE, HARRIS COUNTY, TEXAS

REPORTING PERIOD #32
4/7/2019 00:00 - 4/7/2019 23:59

0 0.75 1.5
SCALE IN MILES

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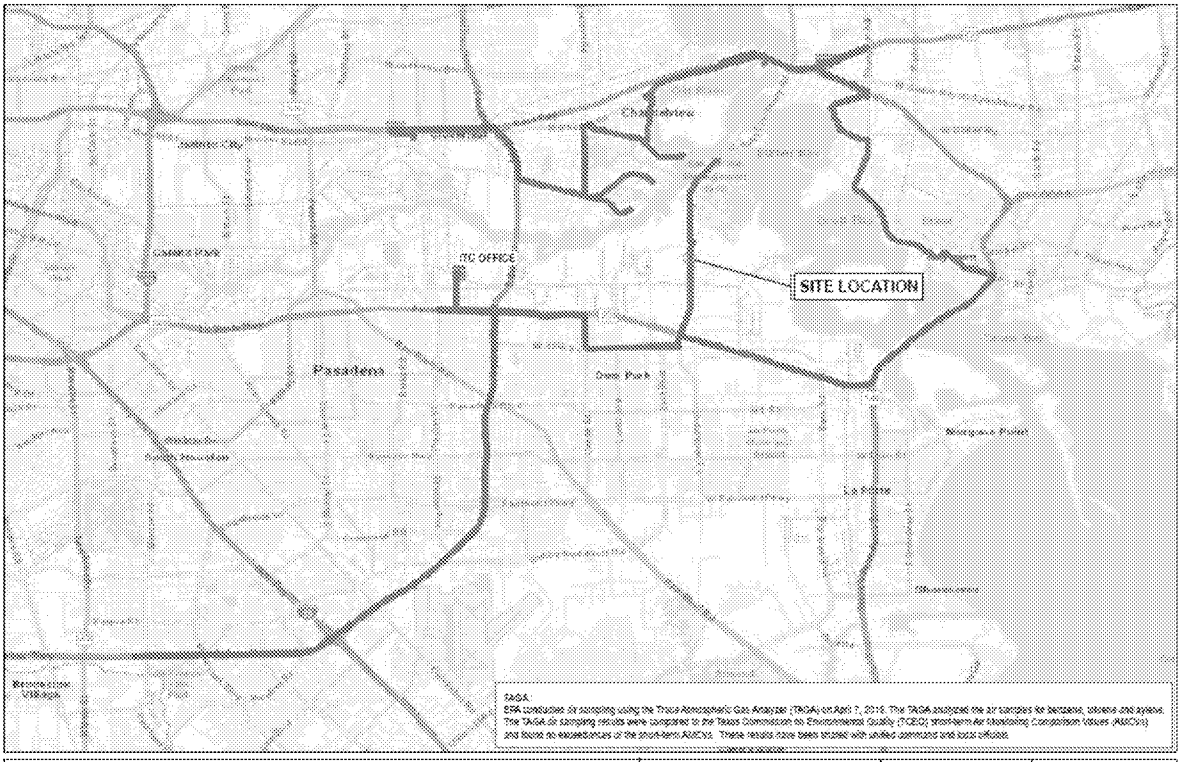

Substance	CAS #	Short-term AMCV Health (ppb)
benzene	71-43-2	180
m,p-xylene	179601-23-1	1700
o-xylene	95-47-6	1700
toluene	108-88-3	4000

Legend

- ITC OFFICE LOCATION
- SITE LOCATION
- RESULTS BELOW AMCVs

TAGA MONITORING MAP
INTERCONTINENTAL TERMINALS COMPANY FIRE
1943 INDEPENDENCE PARKWAY
LA PORTE, HARRIS COUNTY, TEXAS

REPORTING PERIOD #32
4/7/2019 00:00 - 4/7/2019 23:59

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SCALE IN MILES

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