EPA Region 6, ASPECT

The Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft found no exceedances of the Texas comparison values. ASPECT conducted a screening level assessment to evaluate the unreported or undetected releases of hazardous materials or contaminants at the International Terminal Corp in Deer Park, Texas from March 17, 2019 through March 18, 2019. 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.

In addition, EPA has identified 23 locations to conduct mobile handheld air monitoring. No results above the detection limit have been observed.

CTEH (for International Terminal Company)

Monitoring for Particulate Matter (as $PM_{2.5}$)

Instantaneous monitoring of particulate matter (as $PM_{2.5}$) was conducted by CTEH for the potentially responsible parties. CTEH collected 44 readings for $PM_{2.5}$ and had 44 detections for $PM_{2.5}$. In an abundance of caution, the instantaneous monitoring of $PM_{2.5}$ were compared to 24-hour average $PM_{2.5}$ levels using the Air Quality Index (AQI) Calculator (https://airnow.gov/index.cfm?action=airnow.calculator).

Air Quality Index Cautionary Statements:
Good – No cautionary statement
Moderate – Unusually sensitive people should consider reducing prolonged or heavy exertion
Unhealthy – People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

When smoke is present (from Fires and Your Health (https://www.epa.gov/pm-pollution/fires-and-your-health)):

- If it looks smoky outside, it is a good idea to limit exertion (running, yardwork, playing) during outside activity.
- If you have asthma or other lung disease, you should follow your doctor's directions or asthma management plan
- Run your Heating, Ventilation and Air Conditioning (HVAC) system while keeping your air filter clean
- If you have heart or lung disease, if you are an older adult, or if you have a child, talk with your doctor about whether or when you should leave the area

Air Quality Index (AQI) Calculator (https://airnow.gov/index.cfm?action=airnow.calculator):

Location [1]	**PM2.5**	**AQI**	**AQI Category**
Deer Park, TX	7 – 43 $\mu g/m^3$	29 - 119	Good – Unhealthy

[1] $PM_{2.5}$ instantaneous monitoring results from 44 readings.

Monitoring for Volatile Organic Compounds (VOCs)

Instantaneous monitoring of volatile organic compounds (VOCs) was also conducted by CTEH for the potentially responsible parties. CTEH collected 137 readings for VOCs and had 1 detection for VOCs of 0.1 ppm.