



Draft TCEQ Annual Monitoring Network Plan

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Background

- Annual requirement for TCEQ
- Must submit to EPA by July 1
- Requested comments on draft to be submitted by May 22
- Purpose:
 - Review and evaluate the statewide air quality monitoring network
 - Update on the status of changes in progress
 - Recommend future changes to the statewide network

Nitrogen Dioxide

- Houston network requires:
 - One area-wide monitor
 - Clinton Drive
 - One monitor to protect vulnerable populations
 - Clinton Drive
 - Two near road monitors
 - Houston North Loop
 - Houston Southwest Freeway
- No network changes underway in Houston
- No network changes recommended in Houston

Sulfur Dioxide

- Houston network requires:
 - At least three SO₂ monitors – Houston has four
 - One near road monitor
 - Houston North Loop

- Network changes underway in Houston
 - Baytown Garth SO₂ monitor was decommissioned in October 2020
 - Houston Croquet monitor type was changed to replace Baytown
- No network changes recommended in Houston

Ozone

- Houston network requires:
 - At least three O₃ monitors – Houston has 21
- Network changes underway in Houston
 - Houston Harvard Street monitor was deployed in January 2021
- No network changes recommended in Houston

Carbon Monoxide

- Houston network requires:
 - One near road monitor
 - Houston North Loop

- No network changes underway in Houston
- No network changes recommended in Houston

PM₁₀

- **Houston network requires:**
 - Between two and four PM₁₀ monitors – Houston has five
 - Clinton
 - Houston Monroe
 - Houston North Wayside
 - Lang
 - Texas City Fire Station
- **Network changes underway in Houston**
 - Houston Westhollow monitor was decommissioned in October 2021
- **No network changes recommended in Houston**

PM2.5

- **Houston network requires:**
 - Eight PM_{2.5} monitors
 - 11 Sites – 16 monitors
 - One near road monitor
 - Houston North Loop
- **Network changes underway in Houston**
 - Add a continuous monitor to Houston Westhollow - completed
 - Add a continuous monitor to Houston North Wayside – in process
 - Change sampling duration at Clinton Drive and Houston Aldine
 - Deploy speciation monitor at Clinton Drive
 - Monitor upgrades at Clinton; Conroe; North Loop; Seabrook
- **No network changes recommended in Houston**

VOCs and Carbonyls

- Houston network requires:
 - One VOC monitor – Houston has three
 - One Carbonyl monitor – Houston has two

- No network changes underway in Houston
- No network changes recommended in Houston

Potential Future Changes

- Deploy a continuous $PM_{2.5}$ monitor at Houston Bayland Park
- New monitoring site in Houston Fifth Ward
 - VOCs, continuous $PM_{2.5}$, and meteorological parameters
- New monitoring site in Houston Pleasantville neighborhood
 - Continuous $PM_{2.5}$ and meteorological parameters

Questions?