**Center for Toxicology and Environmental Health, L.L.C.**

5120 North Shore Drive North Little Rock, AR 72118 Phone: 501.801.8500 Fax: 501.801.8501 www.cteh.com

# Summary of CTEH's Air Monitoring Activities for the Community In Response to the MC 252 Oil Spill

## Daily Summary for May 15, 2010

Air monitoring was conducted between New Iberia, LA and Panama City, FL to address public concern for crude oil vapors. The results of air monitoring for May 14, 2010 18:00 – May 15, 18:00 are shown in Table 1 and 2 below and the locations where monitoring was conducted are shown in the map below (Figure 1).

**Table 1 Summary of Air Monitoring In Residential and Commercial Areas Along the Gulf Coast**

| Crude Oil Chemicals of Interest | Number of Measurements | Average Concentration (ppm) | Maximum Concentration (ppm) |
|---|---|---|---|
| **Volatile Organic Chemicals including benzene (VOCs)** | 459 | 0 | 0 |
| **Hydrogen sulfide** | 451 | 0 | 0 |
| **Sulfur dioxide** | 371 | 0 | 0 |
| **Benzene*** | 26 | 0 | 0 |
| **Total** | 1307 | | |

*Benzene measured with detector tubes

**Table 2**

| Particulates | Number of Measurements | Average Concentration ($mg/m^3$) | Maximum Concentration ($mg/m^3$) |
|---|---|---|---|
| **Particulate Matter (PM10)*** | 169 | 0.021 | 0.045 |
| **Total** | 326 | | |

*PM10 – is particulate matter less than 10 microns

Air monitoring results show that crude oil vapors were not detected throughout residential and commercial areas between New Iberia, LA and Panama City, FL. Particulate levels show that concentrations were in range with baseline readings and were below levels of concern. Testing teams trained in odors also noted the presence or absence of crude oil vapors (Figure 2). No crude oil odors were detected between New Iberia, LA and Panama City, FL.

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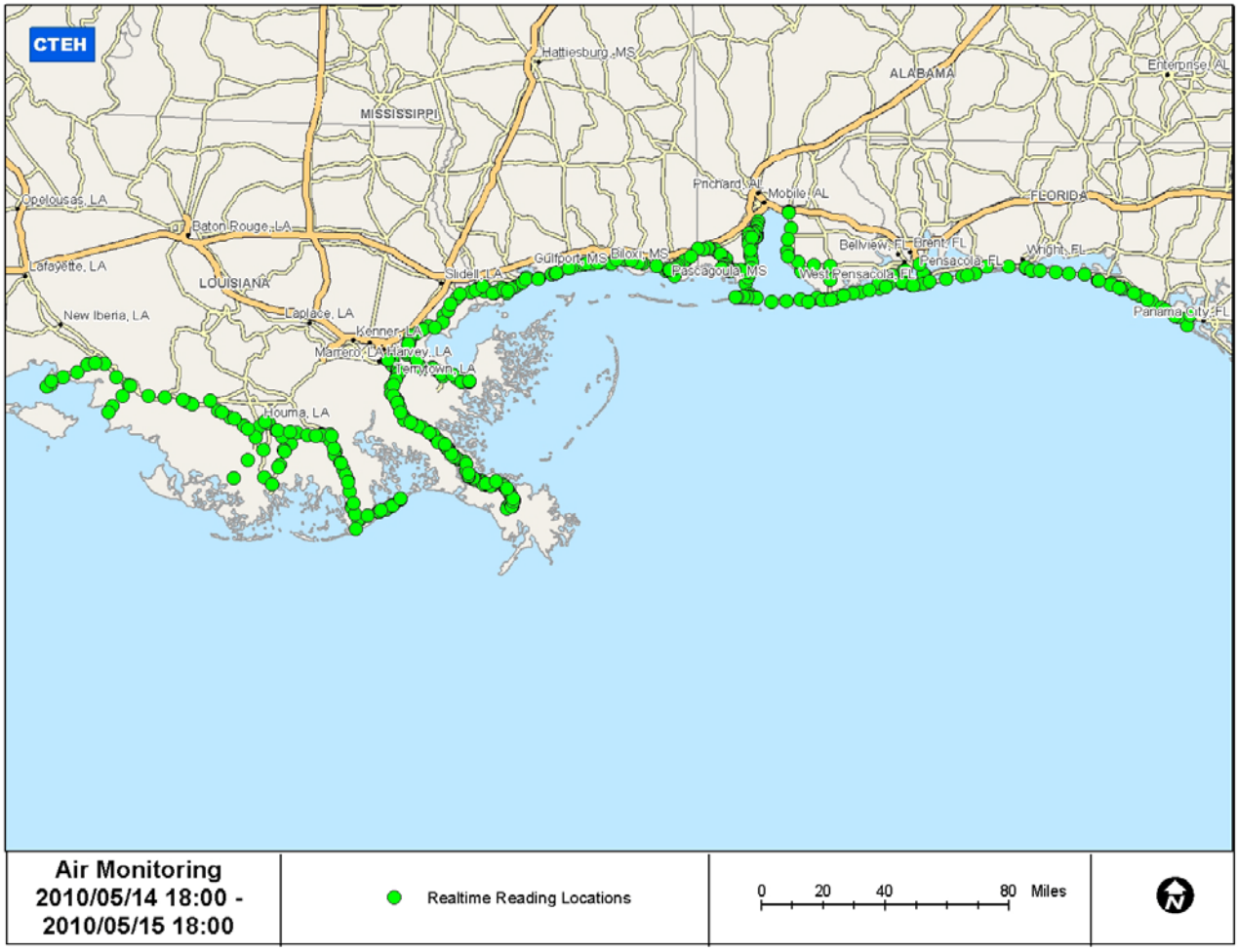
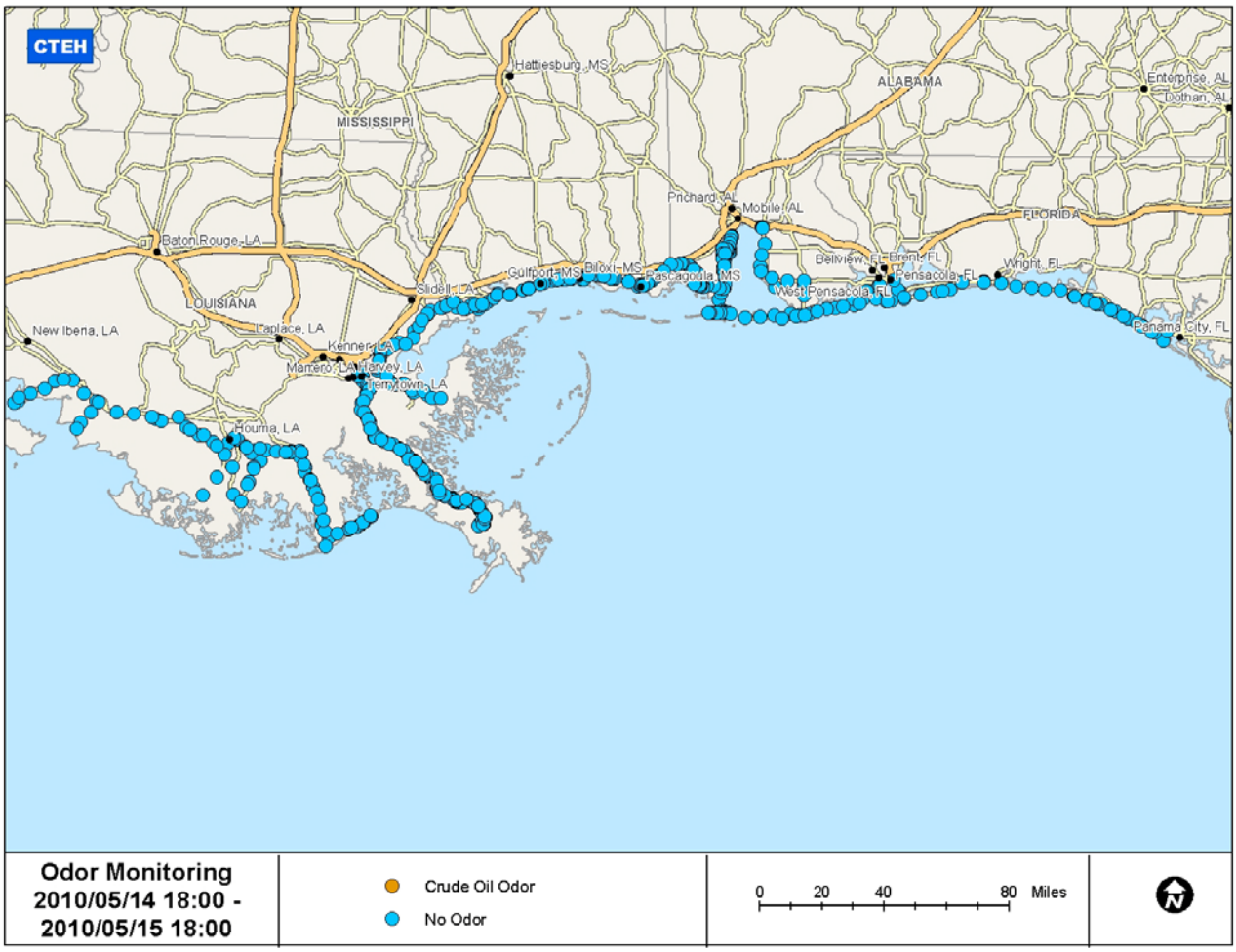
**Figure 1 Map Showing Where Air Monitoring is Being Conducted Throughout the Gulf Coast States**




Note – green dot shows the locations of air monitoring

## Figure 2 – Odor Investigation Results




Note – blue dot means no odor detected, orange dot indicates that crude oil odors were detected.