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

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

Daily Summary for May 13, 2010

Air monitoring was conducted between Houma, LA and Panama City, FL to address public concern for crude oil vapors. The results of air monitoring for May 12, 2010 18:00 – May 13, 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)	483	0	0
Hydrogen sulfide	458	0	0
Sulfur dioxide	372	0	0
Benzene*	33	0	0
Total	1346		

*Benzene measured with detector tubes

Table 2

Particulates	Number of Measurements	Average Concentration (mg/m^3)	Maximum Concentration (mg/m^3)
Particulate Matter (PM10)*	235	0.031	0.076
Particulate Matter (PM2.5)*	89	0.032	0.113
Total	322		

*PM10 – is particulate matter less than 10 microns

*PM2.5 – is particulate matter less than 2.5 microns

Air monitoring results show that crude oil vapors were not detected throughout residential and commercial areas between Houma, LA and Venice, 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

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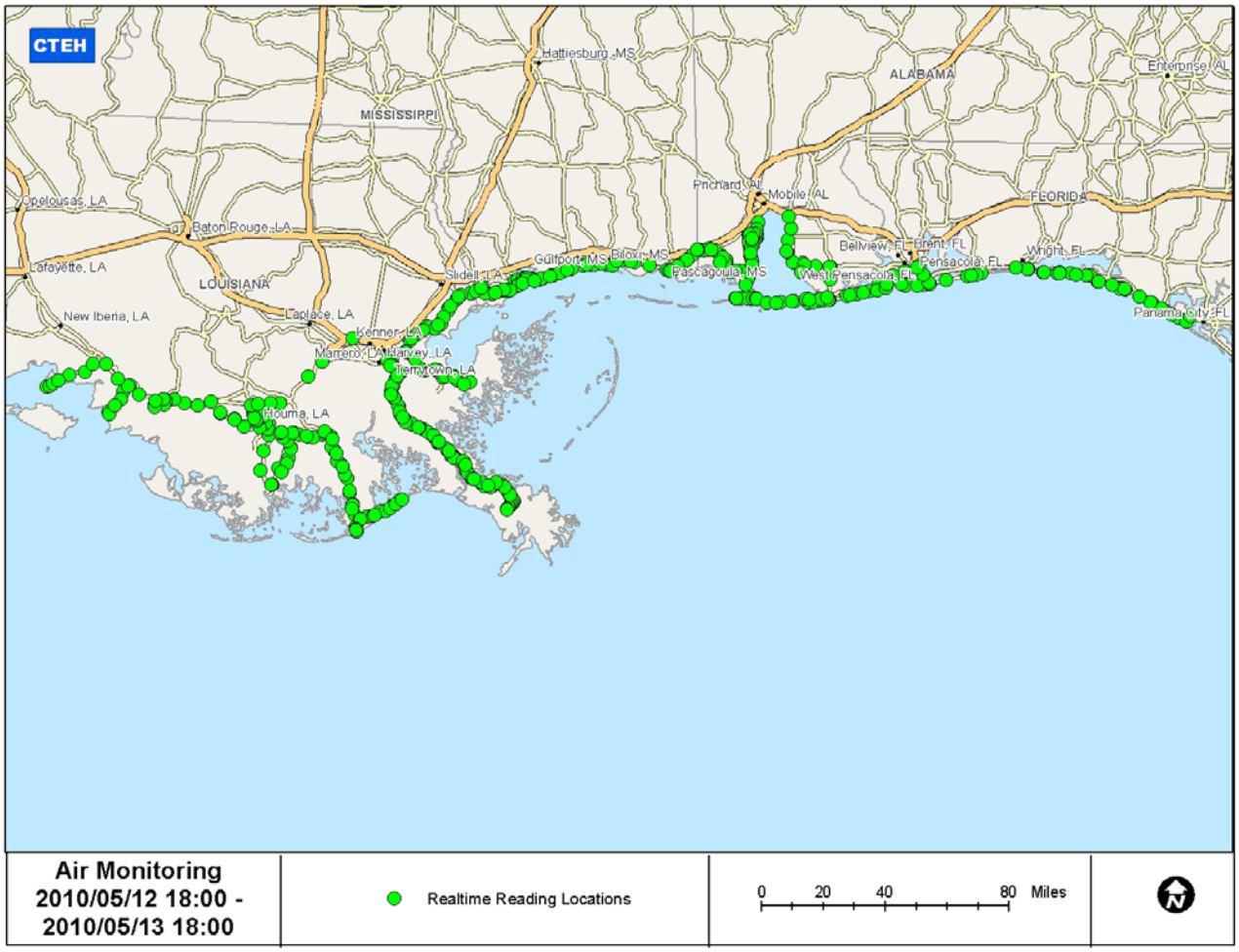
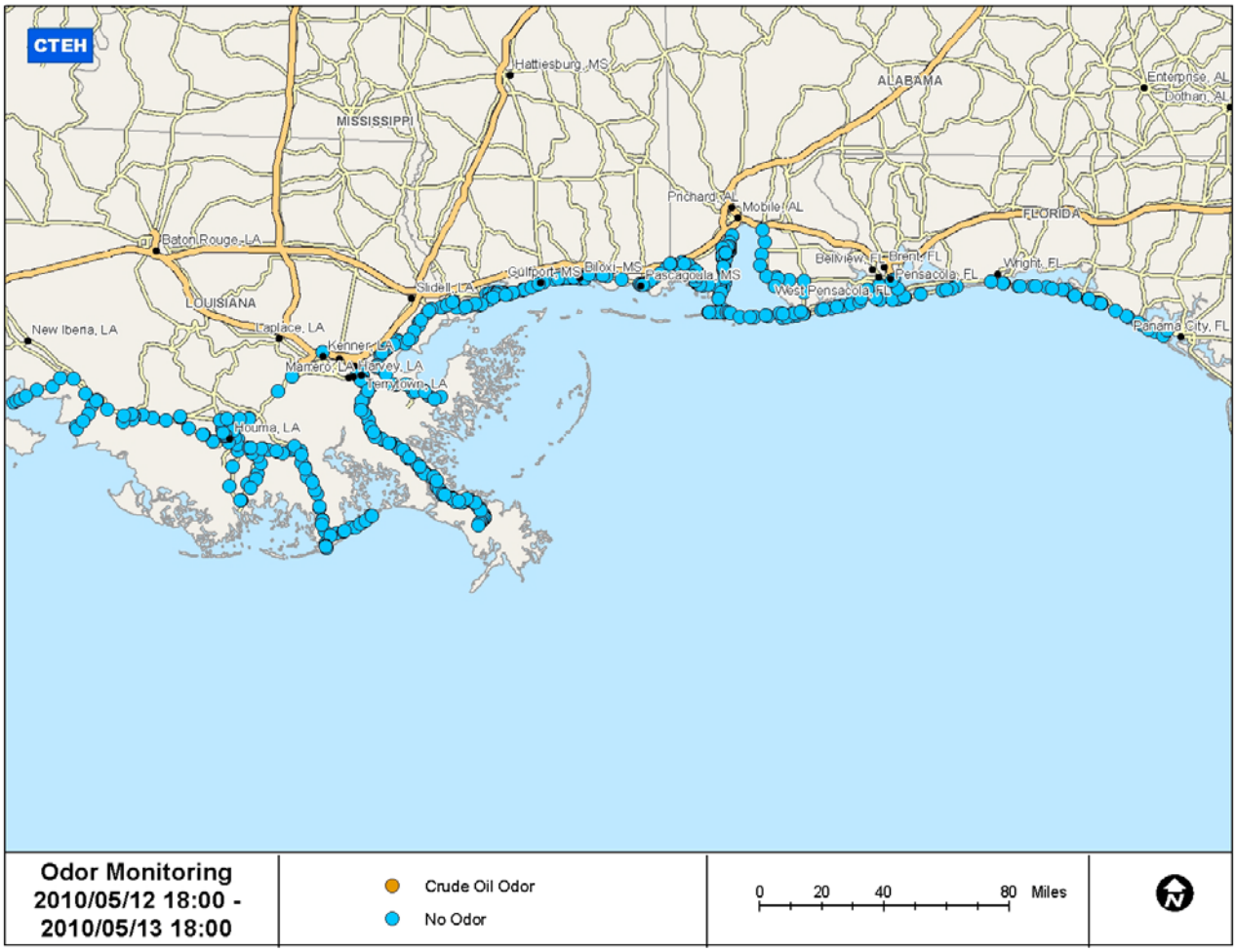
vapors (Figure 2). No crude oil odors were detected between Houma, LA and Venice, LA and Panama City, FL.

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.