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 06, 2010

Air monitoring was conducted between Venice, LA and Panama City, FL to address public concern for crude oil vapors. The results of the 24 hour air monitoring period from May 5th 06:00 PM to May 6th 06:00 PM 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)	412	0	0
Hydrogen sulfide	384	0	0
Sulfur dioxide*	167	0	0
Benzene*	27	0	0
Total	990		

*Benzene and sulfur dioxide measured with detector tubes

Table 2

Particulates	Number of Measurements	Average Concentration (mg/m^3)	Maximum Concentration (mg/m^3)
Particulate Matter (PM10)*	274	0.042	0.116
Total	274		

*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 Venice, LA and Panama City, FL. Particulate matter was conducted to address public concern over the *in situ* burn that started May 5th. Particulate levels show that concentrations were in range with baseline readings taken prior to the *in situ* burn 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 Venice, LA and Panama City, FL

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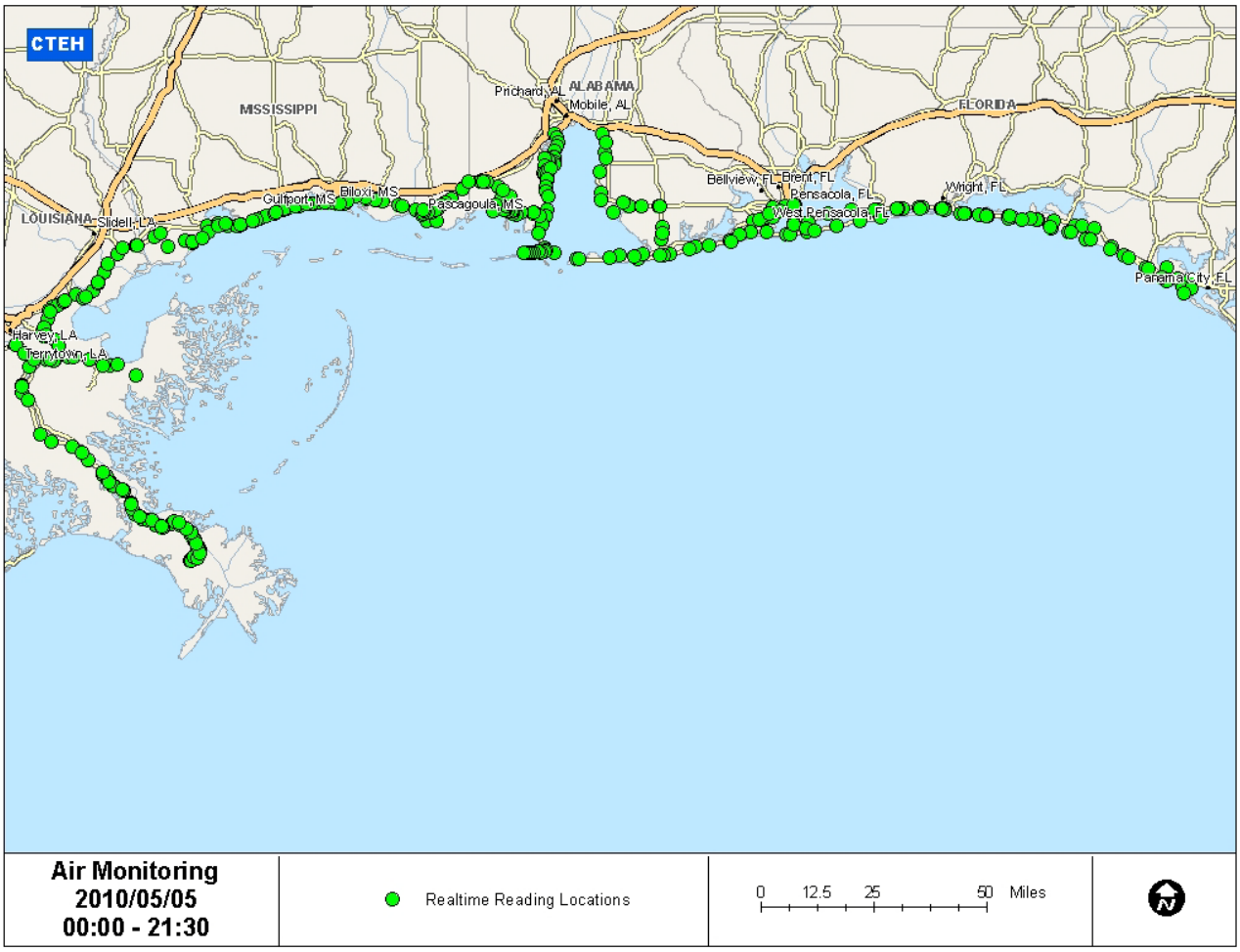
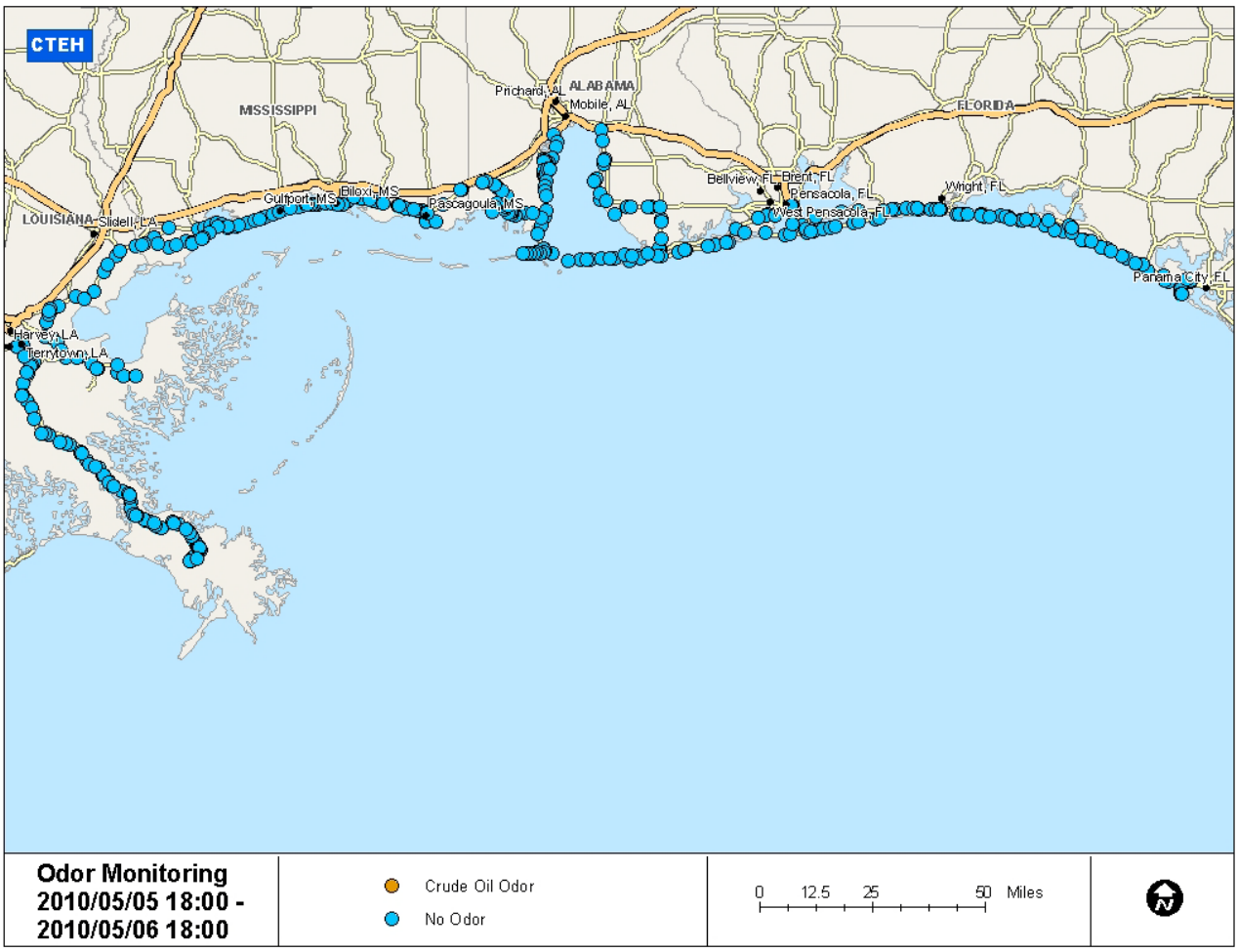
Figure 1 Map Showing Where Air Monitoring is Being Conducted Throughout the Gulf Coast States



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.