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 05, 2010

Air monitoring was conducted between Venice, LA and Panama City, FL to address public concern for crude oil vapors. The results of air monitoring for May 5, 2010 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)	370	0.001	0.4
Hydrogen sulfide	331	0	0
Sulfur dioxide*	141	0	0
Benzene*	29	0	0
Total	871		

*Benzene and sulfur dioxide measured with detector tubes

Table 2

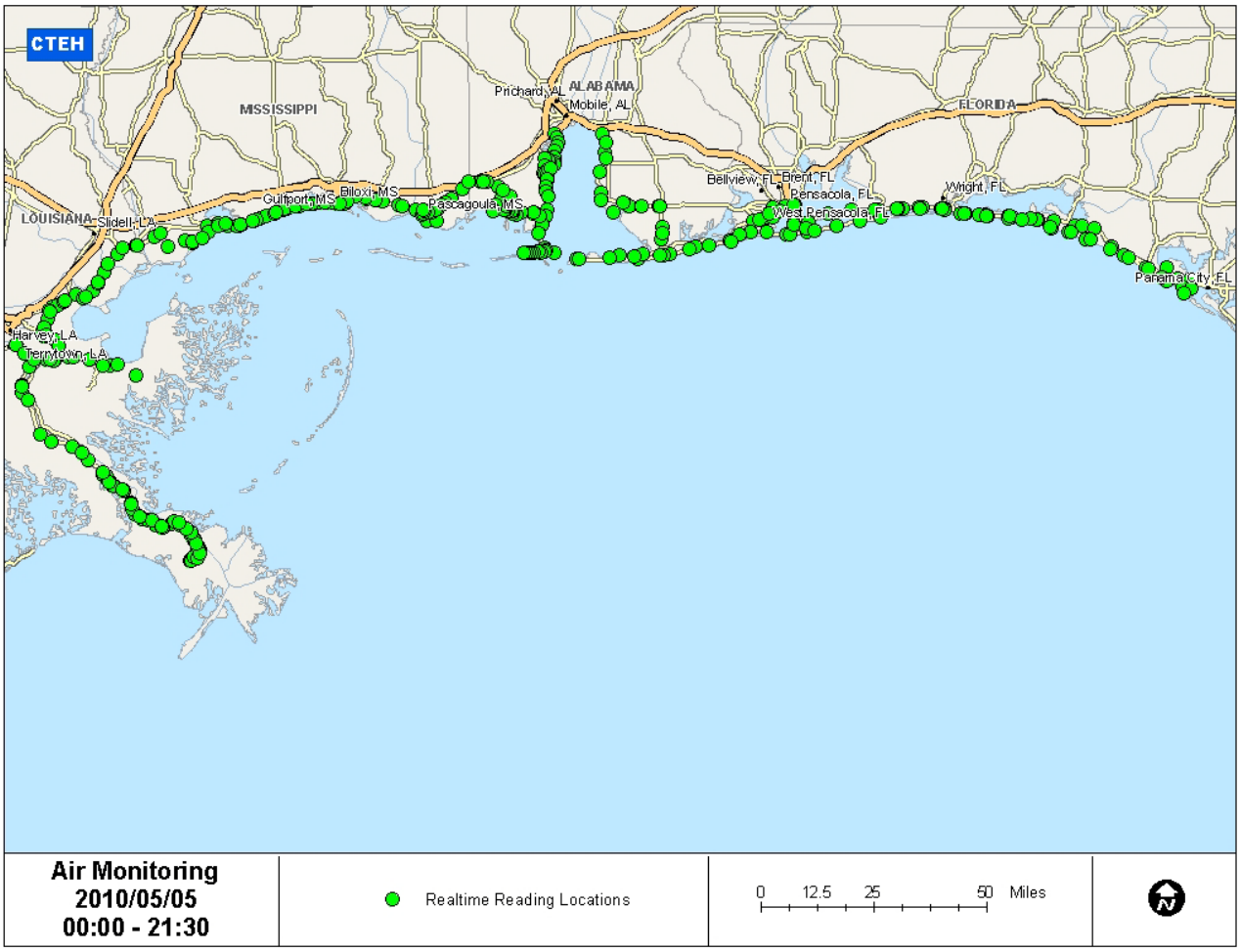
Particulates	Number of Measurements	Average Concentration (mg/m^3)	Maximum Concentration (mg/m^3)
Particulate Matter (PM10)*	230	0.037	0.096
Total	230		

*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 (except for one detect on Fairpoint Dr. in Gulf Breeze, FL that were not related to the spill). Note that particulate monitoring was also conducted in order to identify some baseline particulate levels prior to the *in situ* burn being planned for the oil spill. 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

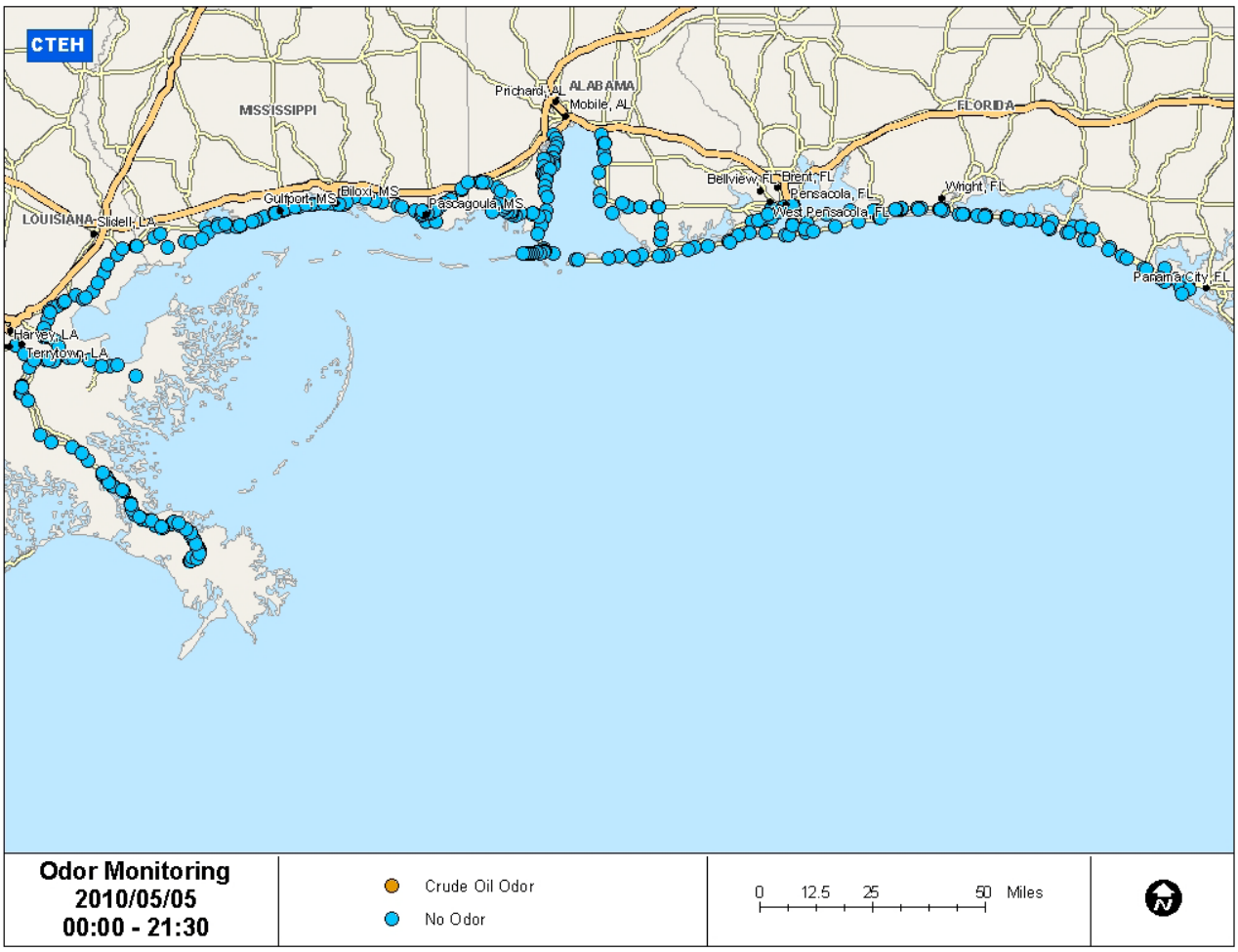
6068772

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.