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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 30, 2010

Air monitoring was conducted between Intercoastal City, LA and Apalachee Bay, FL to address public concern for crude oil vapors. The results of air monitoring for May 29, 2010 18:00 – May 30, 18:00 are shown in Tables 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 Compounds including benzene (VOCs)	1110	0.0002	0.2
Hydrogen sulfide	1094	0	0
Sulfur dioxide	965	0	0
Benzene*	82	0	0
Total	3251		

*Benzene measured with detector tubes

Table 2

Particulates	Number of Measurements	Average Concentration (mg/m^3)	Maximum Concentration (mg/m^3)
Particulate Matter (PM2.5)*	1008	0.03	0.081
Total	1008		

*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 Intercoastal City, LA and Apalachee Bay. One no-sustained VOC reading of 0.2 ppm was detected in Louisiana. This reading was due to a large truck passing by during the sampling. Testing teams trained in odors also noted the presence or absence of crude oil vapors (Figure 2). Oil odors were not detected between Intercoastal City, LA and Apalachee, 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.