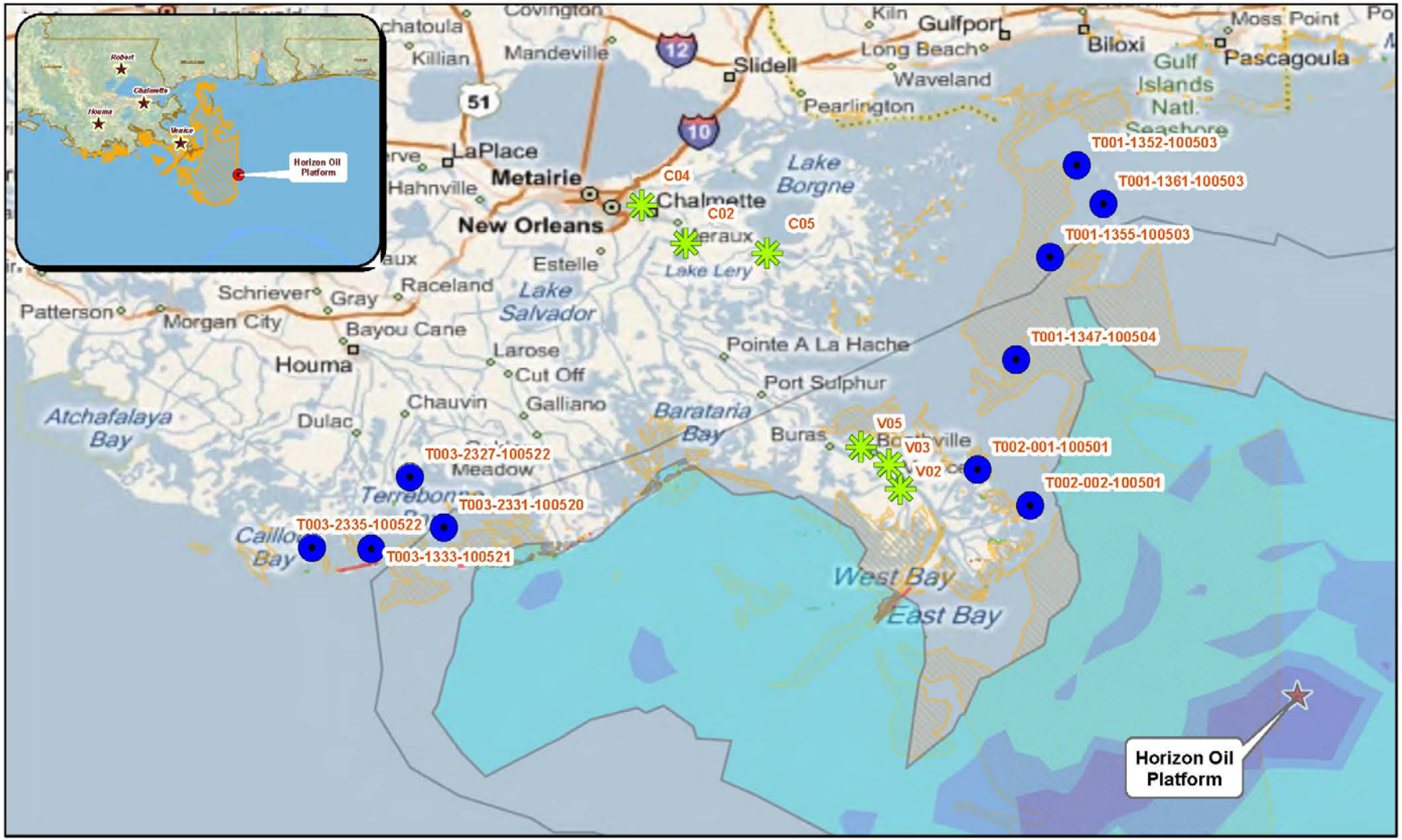
6012385



Legend

Sampling Locations - 5/23/2010

Incident Site

Sediment

Surface Water

FORECASTHEAVY

FORECASTMEDIUM

FORECASTLIGHT

FORECASTUNCERTAINTY

Potential Oiling Extent

Beached

Displaced

On Beach

Sat

New sample locations are highlighted. All other are resampled locations.

0 10 20 40

Miles

US EPA REGION 6
START-3
(For Official Use Only)

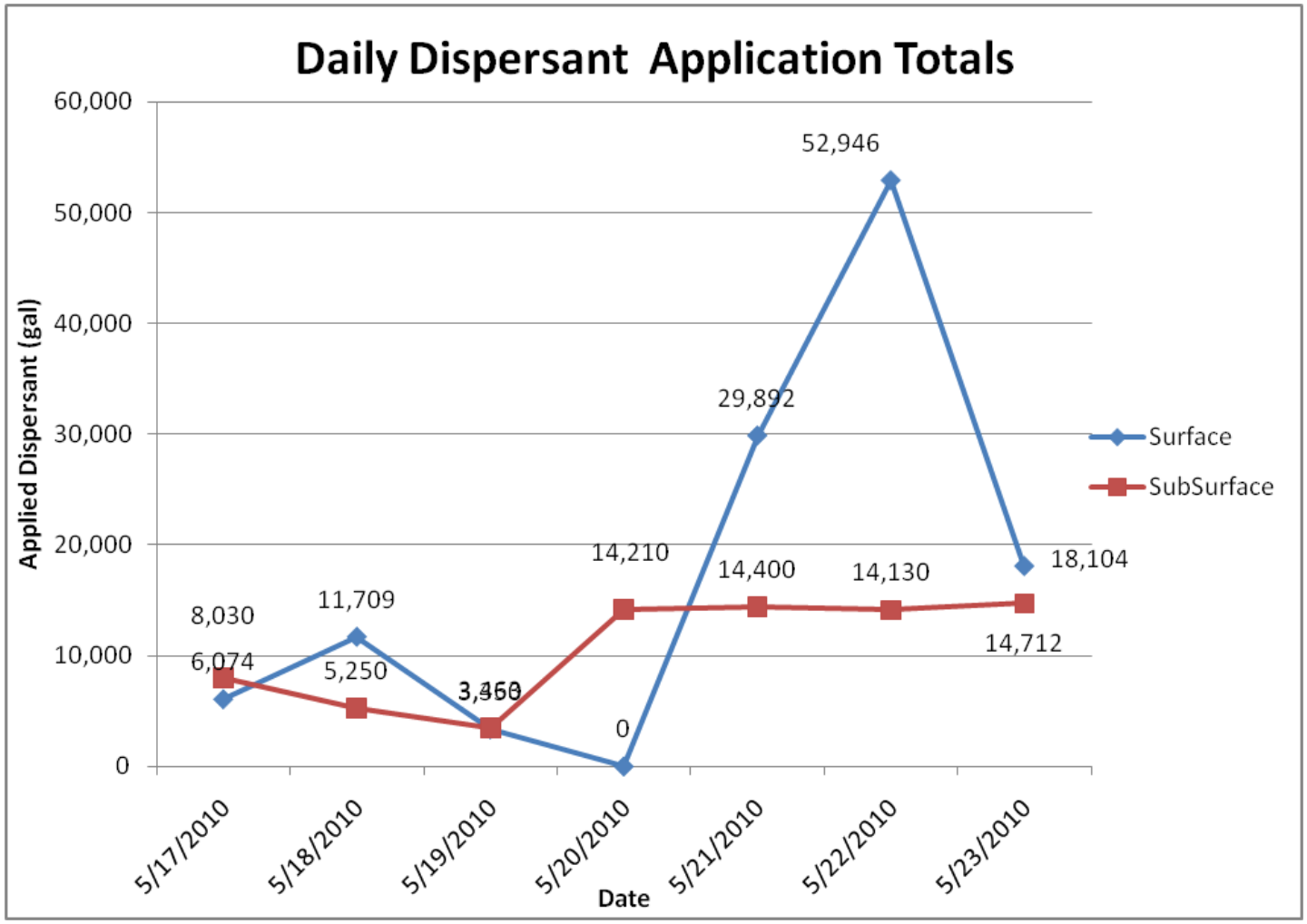
Latest Sampling Locations Map

Date Created:	UIC:	SCALE:
5/24/2010	R520	

Dispersant Application

	TOTALS for Reporting Period (gal.)	TOTALS to date (gal.)
Surface	18,104	704,958
Subsurface	14,712	116,471

Dispersant Application Chart



Samples

	SUMMA Canisters	PQ200 (PM 2.5)	Water	Sediment	TOTALS for Reporting Period	TOTALS to date
Collected	6*	6*	10	0	22	609
Shipped	0	0	10	0	10	572

* Sample shipment delayed due to weekend (FedEx does not ship on Sunday); Samples collected on Saturday and Sunday will be shipped on Monday and reflected on that Sample Summary.

Water Sampling

View of Chalmette water operations collecting a surface water sample on 5/23

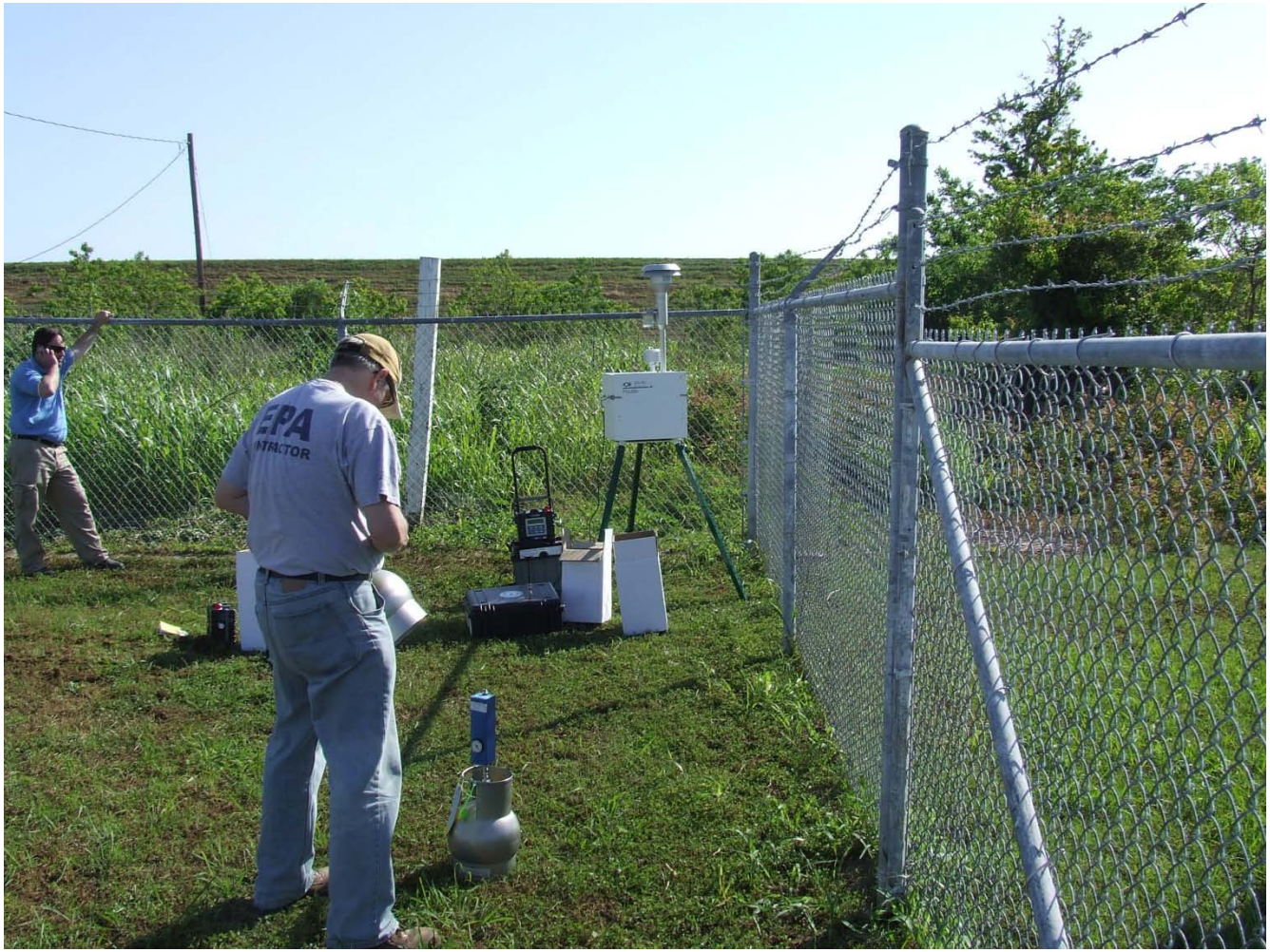
Air Monitoring Data

	CO (ppm)	H2S (ppm)	OXYs (%)	PM10 (ug/m3)	VOCs (ppm)
C02	-	-	20.8667	32.3056	0.1833
C04	-	-	20.9000	20.9849	0.2750
C05	-	-	20.9000	18.9481	0.9375
V02	0.6810	0.1000	21.1143	16.2958	0.1667
V03	1.1462	0.1115	21.1692	34.4917	0.2115
V05	0.3185	0.1037	21.0704	27.8125	0.2963

* Data shown above is a 24-hour average
"-" indicates no data collected

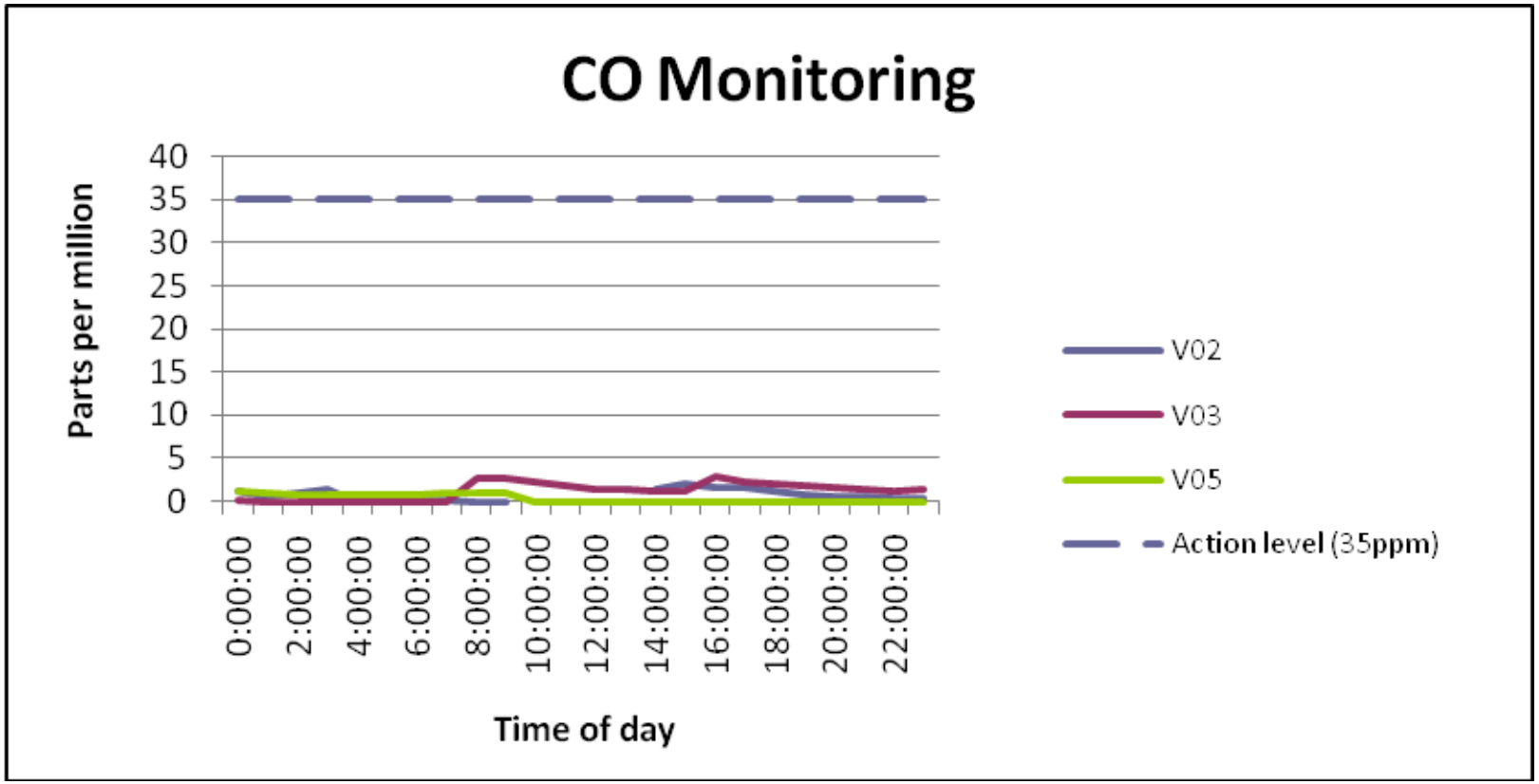
Action Levels:
VOCs = 10 ppm; OXY (Oxygen) = acceptable range 19.5-23.5%,
PM10 (particulates) = 150 ug/m3; H2S = 0.5 ppm; CO = 35 ppm
Note: Action Levels based on OSHA PEL (VOCs and OXY), ATSDR Risk-Based Exposure Levels (PM10), and NIOSH RELs (H2S and CO)

Air Monitoring/Sampling

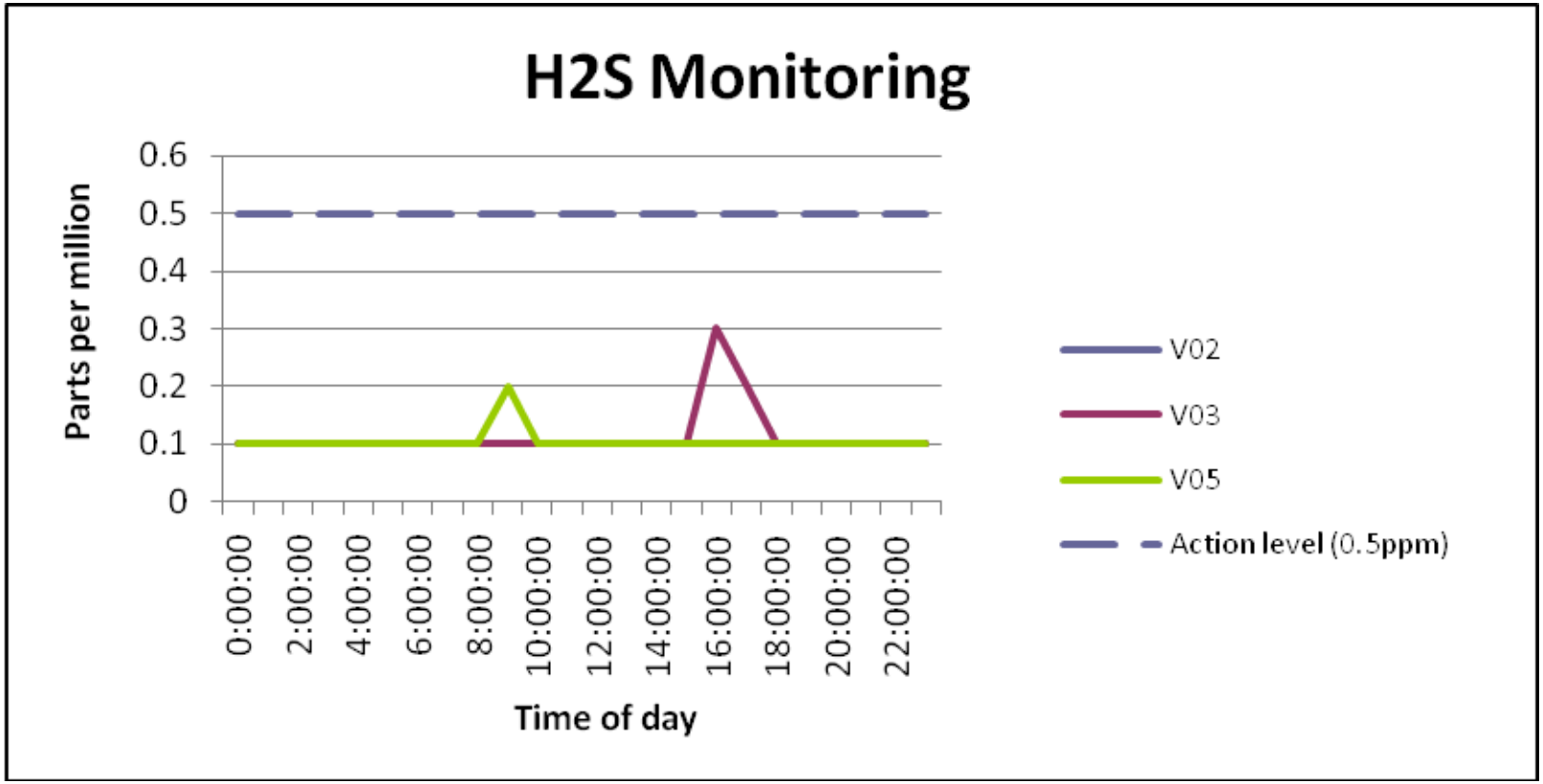


Air monitoring/sampling Location V03 in Venice, LA

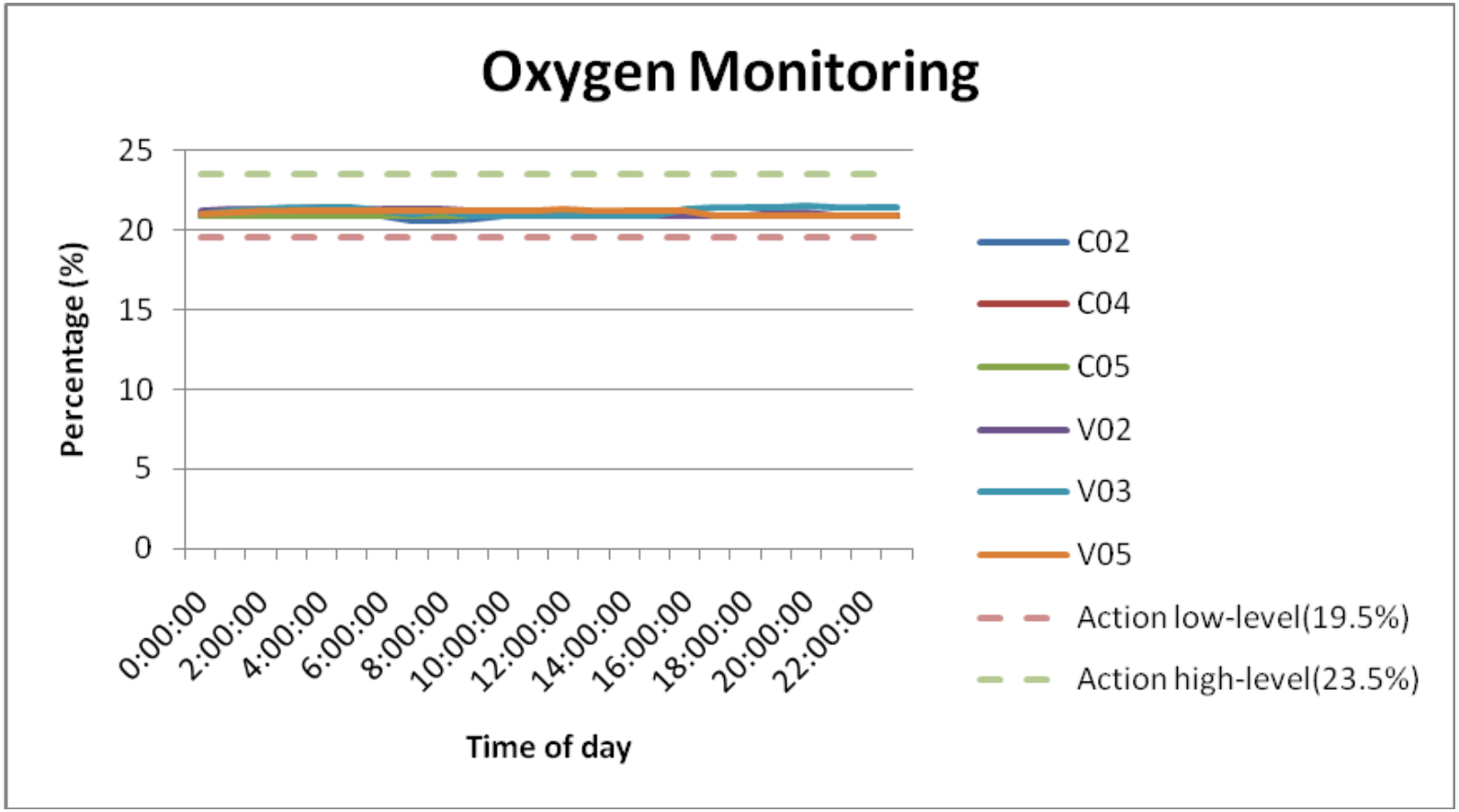
CO Monitoring



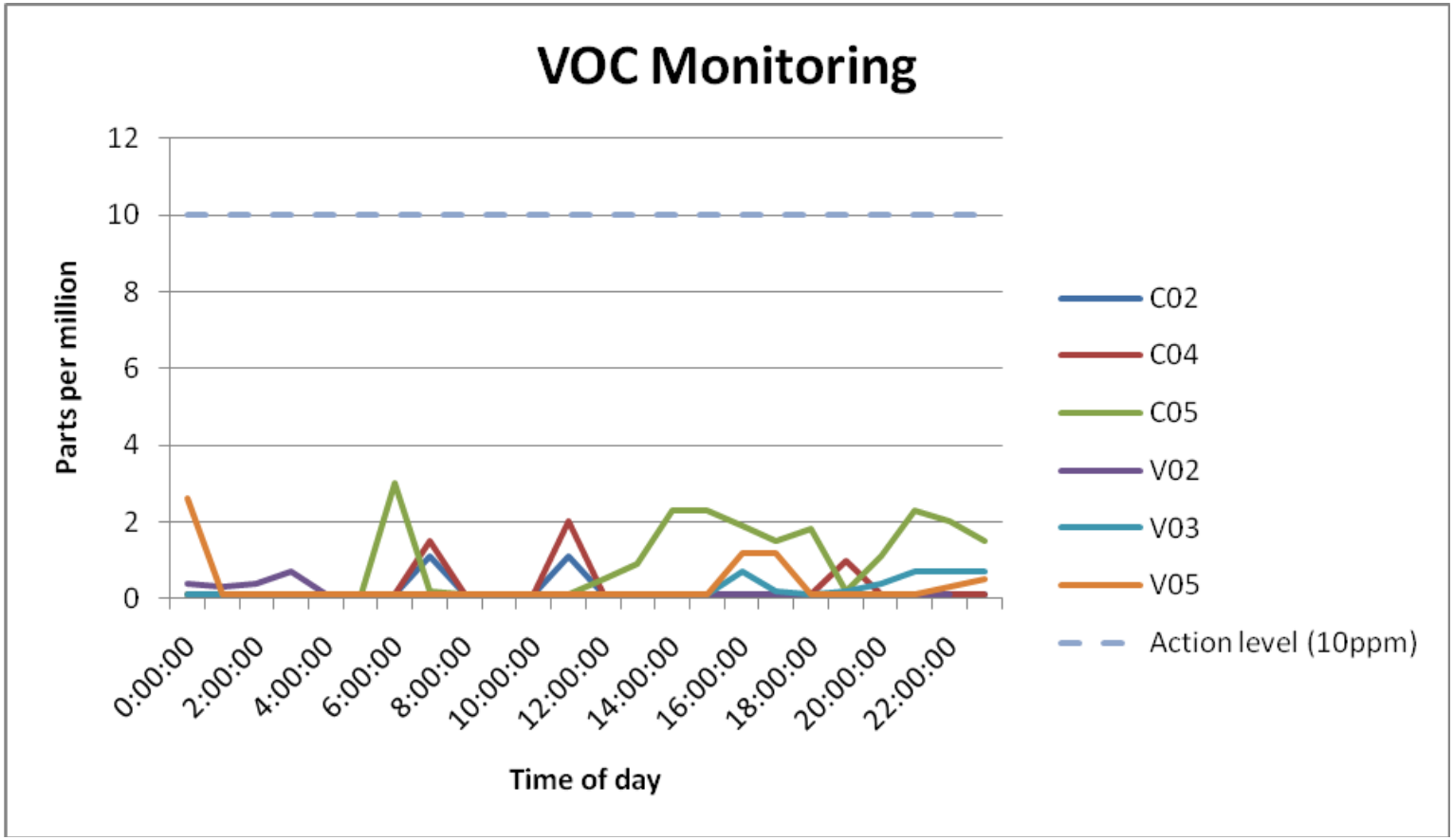
H_2S Monitoring



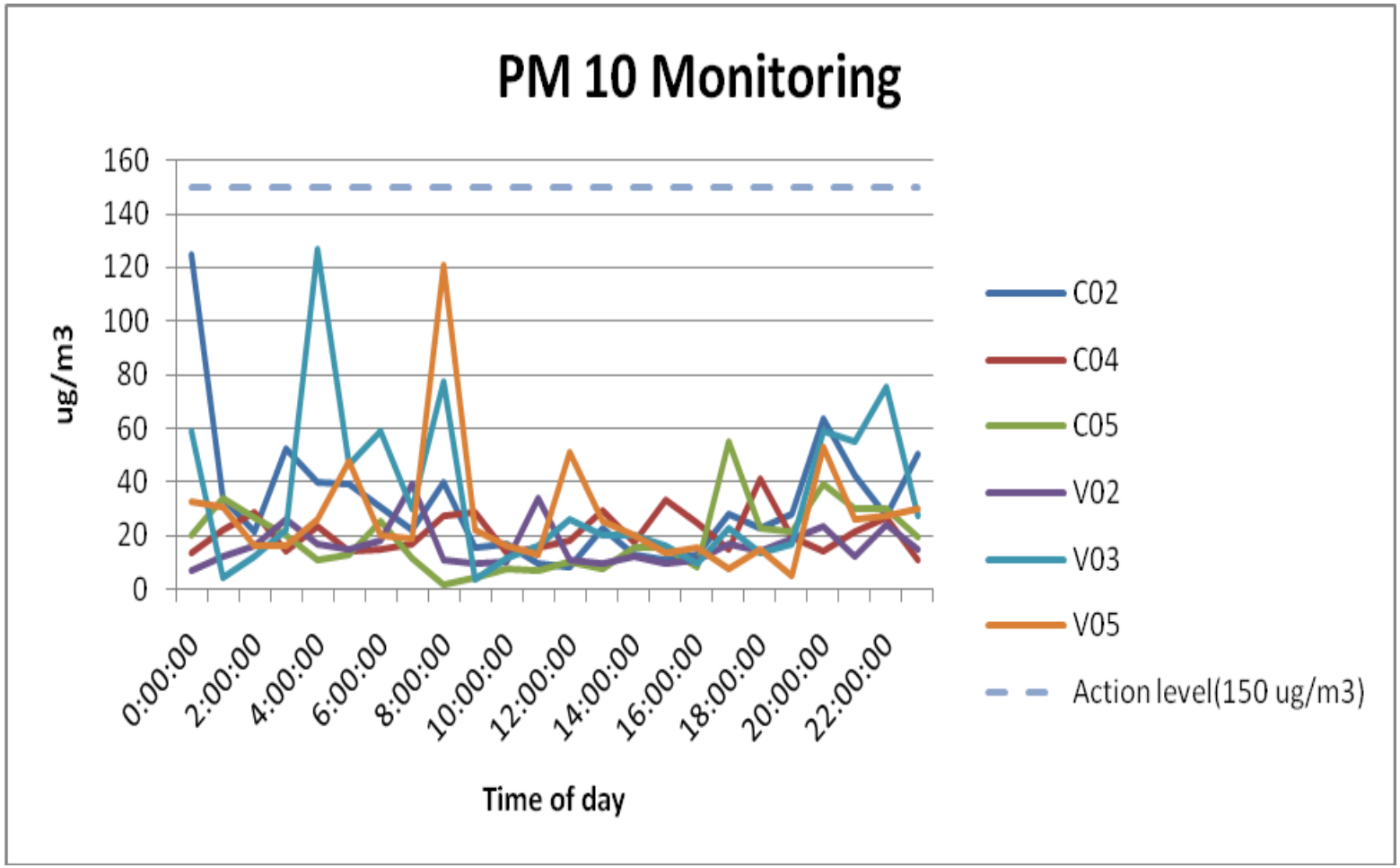
Oxygen Monitoring



VOC Monitoring



PM 10 Monitoring



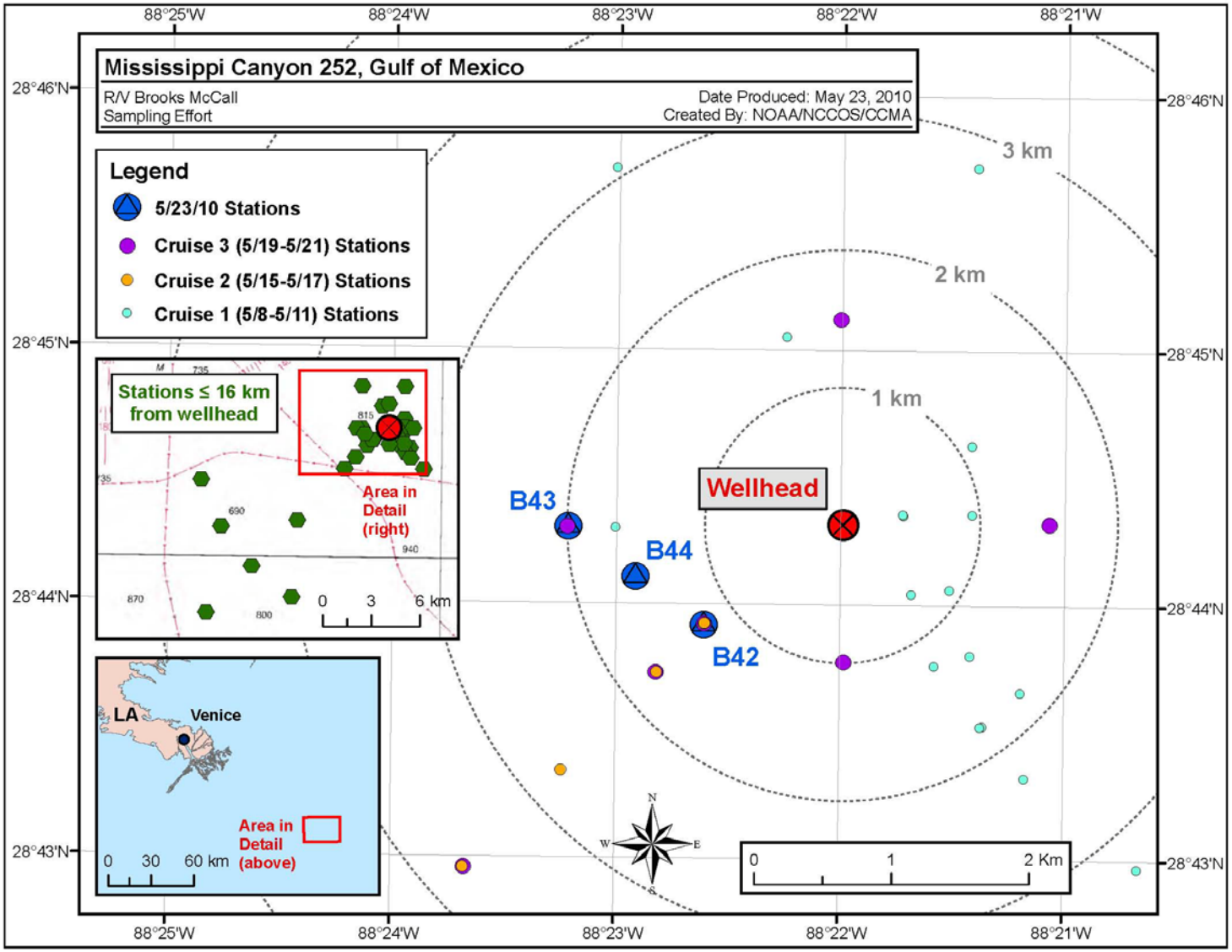
Action Level Exceedences

- There are no air monitoring exceedences for this reporting period.

Brooks McCall/Dispersant Summary

- On 5/24, the crew continued to investigate the presence and location of the deep plume west-southwest of the wellhead.
- Fluorescence data clearly showed the plume to be present at a depth between 800 and 1250 meters west-southwest of the wellhead at a distance of 2 km.
- The concentration of oil and thickness of the plume appeared greater than what was observed on 5/21.
- Dissolved oxygen values ranged between 3.2 and 7.2 mg/l. DO values from all 3 onboard sources compared well with the historical DO profiles from the Gulf.
- Five water samples were selected for Rototox bioassay toxicity testing on 5/23. Three water samples were collected within the deep plume at depths of 1050m, 1200m and 1050m, along with a surface sample and a clean sample from 600m. These tests should provide a good indication if toxicity exists within the plume.

Brooks McCall Sampling Map



ASPECT Summary

- On 5/23, ASPECT documented a fire approximately 150 miles southeast of Houma, LA. The fire started at 1307 and lasted approximately 40 minutes. No significant emissions were detected from the fire.
- On 5/23, ASPECT conducted a reconnaissance flight to locate oiled shoreline and beaches in the area south of Venice, LA near South Pass, LA. A large area of oiled beach was located at the mouth of the South Pass. IR, spectral and photographic data was collected.
- On 5/24, ASPECT began documentation of two fires located approximately 115 miles and 120 miles southeast of Chalmette, LA.

Aspect Photograph

Arial view of oiled beach at the mouth of the South Pass, located south of Venice, LA

TAGA Summary

- On 5/23, TAGA performed mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, in Southern MS and AL from Stennis, MS to Dauphin Island, AL. All observed indicator compounds were associated with a point source.

- TAGA plans to perform mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, on 5/24 in Southern LA.

ACTION PLAN
for
5/24/2010

- The Brooks McCall vessel will continue operations on 5/24.
- Water sampling is planned for the Venice and Chalmette Water Operations.
- TAGA will conduct mobile monitoring in southern LA.
- ASPECT plans to collect data over oil burning operations and to conduct reconnaissance examinations of oiled shorelines.
- Air Samples will be collected from 6 locations