Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject:	**Region 6 Update # 14** **Deepwater Horizon Incident, Gulf of Mexico**
Date:	May 11, 2010
To:	Incident Command
Thru:	Planning Section
From:	Situation Unit
Operational Period:	May 10, 2010 2401 – May 10, 2010 2400
Reporting Period:	May 10, 2010 2401 – May 11, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	**FPN#:**	N10036
Mobilization Date:	4/27/2010	**Start Date:**	4/28/2010

2. Current Situation

- Incident Status Summary as reported by BP for operational period 5/10 06:00 – 5/11 06:00
    - An estimated total of 92,000 barrels of oil released to date; estimated 5,000 barrels released during this operational period.
    - A total of 322,450 feet (61 miles) of boom deployed to date; 38,500 feet deployed during this operational period.
    - A total of 428,307 gallons of dispersant has been applied (subsea and surface); 56,220 gallons were applied during this operational period.

2.1 (USCG) Incident Command Post (Houma, LA)

- On 5/10, EPA representative collected samples of Corexit 9500 dispersant from tanker truck on the tarmac at Houma Airport being used by ASI (Airborne Support, Inc) to fill planes performing aerial dispersant applications. Samples were packaged and shipped to EPA Laboratories in Las Vegas and RTP.

- On 5/11, there will be no dispersing operations, aerial or otherwise. Dispersant aircraft have been grounded due to safety concerns raised by the state of Louisiana. No boat dispersant tests will be conducted.

- No burning or skimming operations on 5/11. Appropriate weather for skimming is anticipated for 5/13.

- Coordinated with BP Environmental Unit to obtain final dispersant application plans for both subsurface and surface dispersant application.

- Coordinated data sharing and data access with Houma Unified Command and Area Command. Result is a FTP site that will contain the geospatial data for GIS analysis by the cooperating agencies.

- EPA representative answered and responded to 37 phone calls from Vietnamese boat owners in the SE Louisiana area regarding the potential use of their boats being used for spill response operations. Referred one caller to required training course being held on 5/11 in New Orleans.

- EPA representative translated an Incident Contact and Information sheet from English to Vietnamese for distribution to local SE Louisiana Asian population. Coordinated a "Train the Trainer" meeting on 5/11 in Mandeville, LA for future training of Vietnamese community.

- EPA representative is coordinating with Region 6 attorneys, Region 6 ORC, and HQ OGC on the NPDES variance request BP submitted on Saturday, 5/8.

- EPA representative is coordinating with EPA HQ, Region 6, and Region 4 on BP Waste Plans.

- The evening meeting on 5/10 included an aerial report of beached oil on the Ile Dernier, SCAT ground teams will verify this information on 5/11. Oil has not yet been removed in either of the reported oiled areas due to weather conditions.

2.2 (USCG) Area Command Post (Robert, LA)

- The Area Command Environmental Unit leadership continues to coordinate overall strategies for monitoring subsurface dispersed oil plumes.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
    - Venice, LA - 29.25274 N, 89.35750 W - V02;
    - Boothville, LA - 29.31449 N, 89.38433 W - V03;
    - Fort Jackson, LA – 29.35699 N, 89.45487 W – V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
    - Poydras, LA – 29.86609, -89.89108 – C02 - located at Fire Station number 8;
    - Hopedale, LA – 29.82209, -89.60862 – C03 - located at the Emergency Operations Center;
    - Chalmette, LA - 29.96082, -90.00132 - C04 – located at FireStation on Aycock St.
- Each air monitoring location has 5 pieces of air equipment:
    - DataRAM - monitoring particulate matter PM10
    - EBAM (Particulate Monitors)-equipment will replace DataRAM's (EBAMS are currently being tested before DataRams are shut off);
    - AreaRae - monitoring VOCs;
    - PQ200 - samples for PM2.5;
    - SUMMA Canisters per location - sample for VOCs.
- All air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at Area Command Post in Venice and Chalmette.

- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters.

- Chalmette reported no exceedences on 5/10, for or VOCs or H2S, however station V05 reported an exceedence for particulates (150 ppm).

- Venice air operations reported action level (0.5 ppm) exceedences for H2S at loctions V03 and V05. H2S levels did not exceed AEGL-2 levels of 27 ppm and are likely due to interference from existing environmental sources.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/10
Venice	3 locs/24-hr	3 locs/24-hr	6	3	9
Chalmette	2 locs/24-hr	3 locs/24-hr	6	3	9
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	146	60	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water and sediment sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.

- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.

- On 5/10 and 5/11, the Chalmette water operation team continued operations in the Terrebonne Bay (SE Terrebonne Parish) area to collect water and sediment samples from five (5) locations.

- On 5/10, oil was observed visually and odors were noted. The team reported a light sheen on the water near Whiskey Pass and Cat Island in Terrebonne Bay. GPS coordinates for the sheen are 29.08517 N, 90.74707 W. Crew reported that radio transmissions from commercial fishing vessels reported “tar balls”. There was no confirmation by the field crew.

- Venice did not conduct water operations on 5/10-5/11.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/10
Venice	0	0	0
Chalmette	5	5	10
TOTAL TO DATE	58	51	

*QAQC samples not included in sample count

2. 5 TAGA

- On 5/10, TAGA 1553 performed mobile monitoring for (BTEX) from Slidell to Hopedale, to Delacroix, to Poydras, to Boheman. No BTEX observed above low ppbv levels during any monitoring events - the concentrations observed were associated with vehicular traffic or isolated sources.

- TAGA 1553 and TAGA 1554 have been requested to stand down until 5/17/10.

- TAGAs will be stored at US EPA Gulf Program Office of Water on the Stennis NASA Facility in Bay St. Louis, MS. US EPA Gulf Program Office of Water has secured power, secure location, cylinder/chemical storage/delivery area and basic facilities for the TAGAs and crew.

2.6 ASPECT

- On 5/10, crew reports no in-situ burns occurring and the only dispersant application they observed was at the southern edge of the oil mass. Weather conditions have been favorable for keeping the oil mass to the south and no appreciable increase noticed since yesterday. Localized thin sheens can still be observed occasionally nearer shore.

- Due to current oil recovery operation plans there are no flights scheduled for 5/11. Future flight plans will be coordinated through Houma Incident Command and the R6 Emergency Operations Center.

2.7 Water Quality Protection Division Update

- Water Quality Protection Division situation update is attached.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
  - REOC activated
  - SRICT activated
  - RRT activated

Deployed Personnel

Personnel	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
EPA								
- OSC	3	1		1		1		6
- RSC	5		1	1				7
- PIO			3					3
- Other	3		2	1	1	1		8
START	5	17				16		38
ERT Contractor		1						1
TAGA Personnel							5	5
ASPECT Personnel							4	4
Other								
TOTALS	16	19	6	3	1	18	9	72

Deployed Equipment

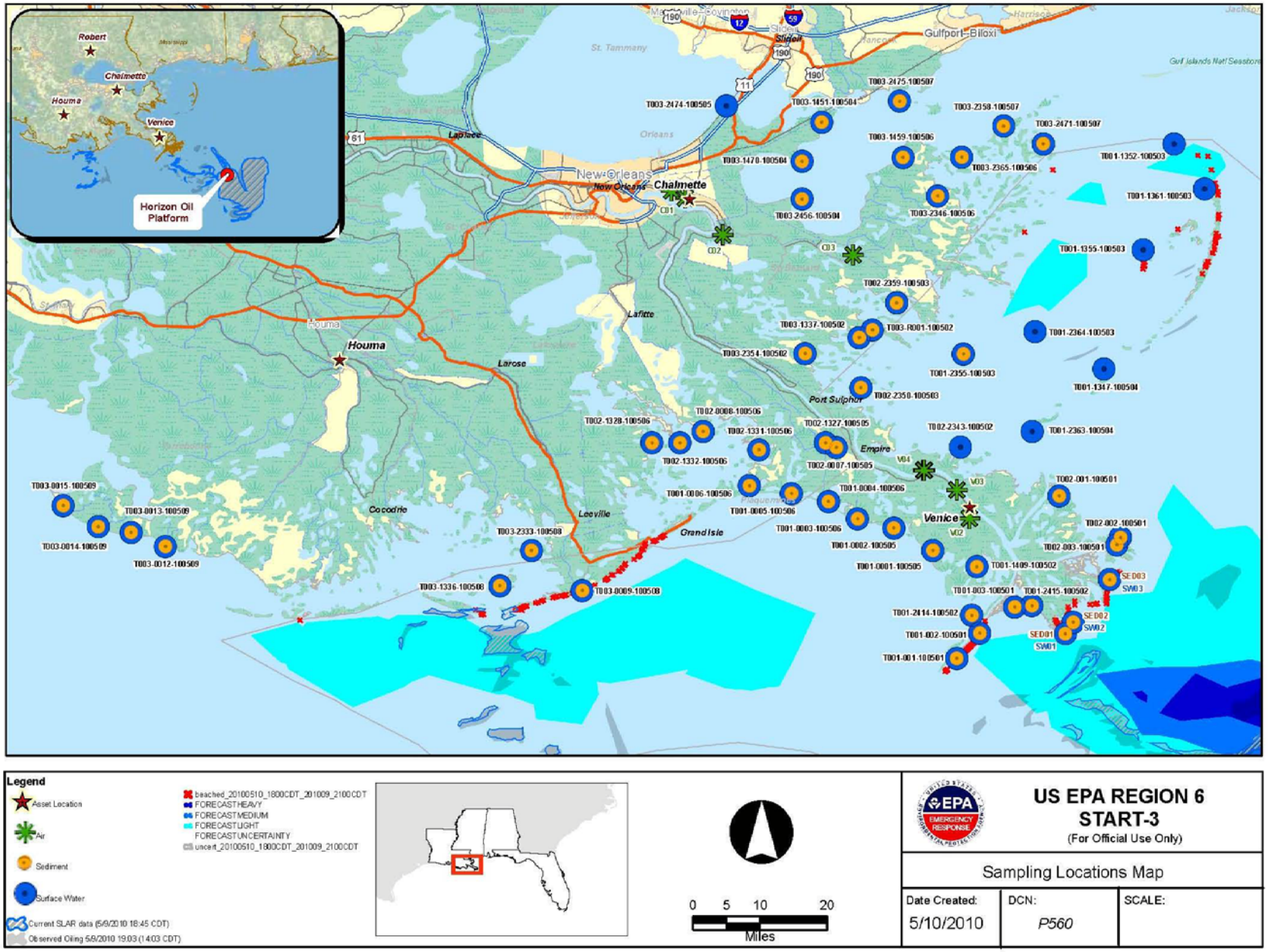
Equipment	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
Mobile Command Post		1						1
ASPECT							1	1
TAGA Bus							2	2
LRV			1			1		2
Gooseneck Trailer		1						1
20 KW Generator		1						1

4. Daily Cost Estimates

	Est. Personnel Oblig.	Est. Travel Oblig.	IA/Contract/ Purchase Commit/Oblig.	Contract/ Purchase Spent	TOTAL OBLIG.	Authorized Ceiling	Balance	Est. Daily Burn Rate
USCG PRFA FPN N10036	$187,600	$56.253	$1,349,000	$1,592,853	$3,003,713	$4,420,084	$2,827,231	$165,100
TOTAL EPA FUNDED	$187,600	$56.253	$1,349,000	$1,592,853	$3,003,713	$4,420,084	$2,827,231	$165,100
Region 6 Indirect Rate 13.12%						$579,916		
Louisiana Total	$187,600	$56.253	$1,349,000	$1,592,853	$3,003,713	$5,000,000	$2,827,231	$165,100

Figure 1 – EPA Region 6 Mobile Command Post deployed in Venice, LA.

Monitoring/Sampling Locations



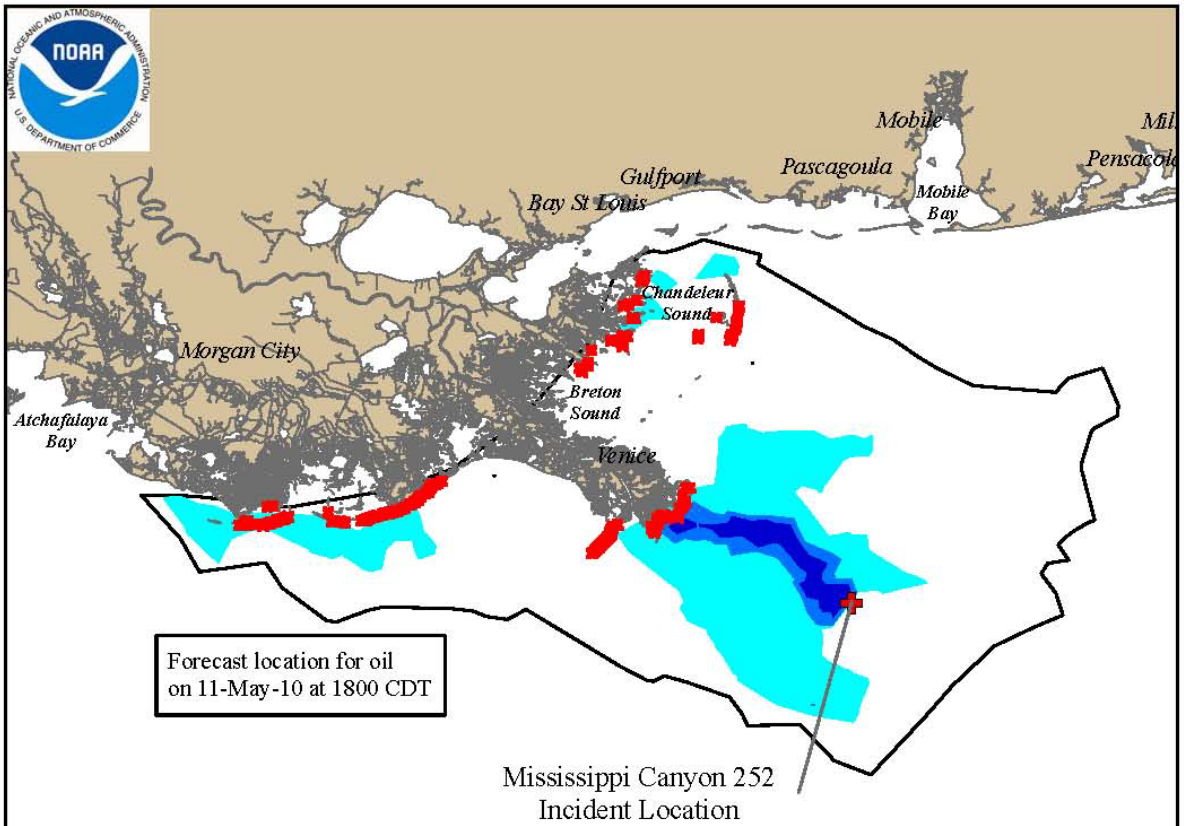
Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

Estimate for: 1800 CDT, Tuesday, 5/11/10

Date Prepared: 2100 CDT, Sunday, 5/09/10

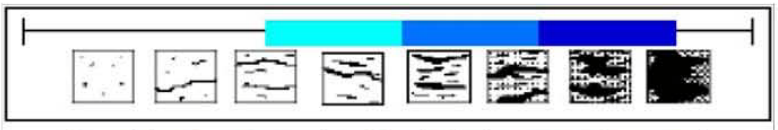
This forecast is based on the NWS spot forecast from Sunday, May 9th PM. Currents were obtained from the NOAA Gulf of Mexico, West Florida Shelf/USF, Texas A&M/TGLO, and NAVO/NRL models and HFR measurements. The model was initialized from Sunday satellite imagery and analysis provided by NOAA/NESDIS, and Saturday/Sunday overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.



Significant winds transition from being from the NE to E to SE by Monday morning. Continued significant winds from the E or SE through Tuesday have the potential to move new oil onshore. The Mississippi Delta, Breton Sound, the Chandeleur Islands and areas directly north have a potential for shoreline contacts throughout the forecast period. West of the Mississippi Delta, the shoreline west of Barataria Bay to Isles Dernieres is threatened on Monday. With continued winds from the SE or E, potential oil contacts could reach as far west as Oyster Bayou on Tuesday, and Atchafalaya Bay on Wednesday.

Trajectory

- Uncertainty
- Light
- Medium
- Heavy
- x Potential beached oil



this scale bar shows the meaning of the distribution terms at the current time

Next Forecast: May 10th PM