Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject:	**Region 6 Update # 12** **Deepwater Horizon Incident, Gulf of Mexico**
Date:	May 9, 2010
To:	Incident Command
Thru:	Planning Section
From:	Situation Unit
Operational Period:	May 8, 2010 2401 – May 8, 2010 2400
Reporting Period:	May 8, 2010 2401 – May 9, 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 5/8/10 06:00 – 5/9/10 06:00
    - An estimated total of 83.000 barrels of oil released to date; estimated 5,000 barrels released during this operational period.
    - A total of 267,900 feet of boom deployed to date; 43,600 feet deployed during this operational period.

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

- Coordinated with USCG to received PRFA amendment for $4 million dollars ($5 million total), having been signed by the FOSC, RADM Mary Landry.
- Coordinated with regional office to get answers for BP regarding requests for NPDES permit variances. The variances are requested to address removal of the hydrate deposition in the dome.
- Coordinated with regional office on request to decant water from barges. Informed BP, that they require approval from the FOSC.
- Coordinated SCRIBE access/information sharing with DOI and OSHA.
- Shared final sampling plans with BP and CTEH.
- Coordinated with BP regarding access to forth coming GIS server containing operational data.

- Forwarded request from USCG for approval to utilize substitute dispersant.

- Coordinated with ASPECT regarding tomorrow's overflight of subsurface anomaly.

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

- The Area Command Environmental Unit leadership met this morning to discuss overall strategies for monitoring subsurface dispersed oil plumes. They are preparing a plan that will support all identified EPA requirements while remaining flexible enough to accommodate the extremely fluid nature of the subsurface operational plans. Their plan will address an "efficacy test" which has previously been identified as "Test 3", but will also include a strategy for transitioning into support of potential longer term applications. There has not been a specific proposal for subsea dispersant application at this time.

- The research vessel Brooks / McCall is in the process of deploying to the injection site, with personnel and equipment that can support the subsea dispersant monitoring plan. The crew includes NOAA and EPA staff, and BP and EPA contractors. A communications plan for coordinating the activities and findings of the vessel is being developed at Area Command. The research vessel may be used to conduct analyses beyond the capabilities of SMART teams in support of the efficacy test.

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):
  - Chalmette, LA – 29.94562, -89.9721 – C01 - located at Fire Station number 3, near corner of Jackson Street and Judge Perez; this location was discontinued and moved to C04 during the operational period.
  - 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.

- Each air monitoring location has 4 pieces of air equipment:
  - DataRAM - monitoring particulate matter PM10 up to 5/8/10. EBAM (Particulate Monitors) equipment will replace DataRAM's throughout the 5/8/10 operational period.
  - AreaRae - monitoring VOCs;
  - PQ200 - samples for PM2.5 (on 5/6 PQ200 will be replaced with E-BAM air monitors);
  - 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.

- Venice and Chalmette operations reported that air monitoring data did not exceed action levels for VOCs or particulates (PM10) on 5/8.

- **EPA summary of air monitoring/sampling activities:**

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/8
Venice	3 locs/24-hr	3 locs/24-hr	9	3	12
Chalmette	2 locs/24-hr	3 locs/24-hr	6	3	6
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	119	48	

*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 5/8/10 Chalmette operations collected water and sediment samples from Terrebone Bay (S. Terrebone Parish). No oiled wildlife observations and no oil or odors were detected.

- On 5/8/10 Venice collected sample media (water and sediment) for PCB and Pesticide analysis. Four samples were collected from in and around the Mississippi River Delta.

- **EPA summary of water/sediment activities:**

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/8
Venice	4	4	8
Chalmette	3	3	6
TOTAL TO DATE	49	42	

*QAQC samples not included in sample count

2. 5 TAGA

- TAGA 1553 continues to perform mobile monitoring for (BTEX) Southeastern LA – Slidell to Venice. No BTEX observed above low ppbv levels during any monitoring events - the concentrations observed were associated with vehicular traffic or isolated sources
- No TAGA monitoring has been scheduled for 5/9.

2.6 ASPECT

- ASPECT conducted one flight on 8 May 2010 the primary objective of the mission was to collect data over any burning operations and collect data over dispersant operations. ASPECT collected data on a

possible oil mass west of the delta. ASPECT flew an extended line from 29.01N, 90.2167W to 28.9395N, 89.9418W. No oil was observed in visible or InfraRed imager. InfraRed analysis did show what appears to be a shoreline/depth effect near the shore.

- Pending weather conditions, ASPECT will conduct an overfligh on 9 May 2010 to collect all forms of data in an area south of the flown flight line in the western delta area. Once the western survey is completed, ASPECT will transition to the recovery area. Per instruction from Region 6, recon and documentation of the recovery area will be intensified due to issues associated the oil collection device

- On 5/9, ASPECT crew is reporting oil at 30.142N, 89.04W and oil with what appears to be floating clumps at 28.830N, 89.223W. ASPECT is currently collecting high alt images over the site. They are seeing no oil burning operations or dispersant operations.

2.7 Water Quality Protection Division Update

- No update for this reporting period.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
  - REOC is 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				14
- PIO			3					3
- Other	3		2	1	1	1		8
START	5	16				13		34
ERT Contractor		1						1
TAGA Personnel							5	5
ASPECT Personnel							4	4
Other								
TOTALS	16	18	6	3	1	15	9	68

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

Region 6 Daily Cost Estimates Report

9-May-2010

	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 $5,000,000 Total $1,000,000 4/28/10 $4,000,000 5/05/10	$161,400	$55,753	$1,826,213	$651,000	$2,043,366	$4,420,084	$3,551,931	$167,450
TOTAL OPA FUNDED	$161,400	$55,753	$1,826,213	$651,000	$2,043,366	$4,420,084	$3,551,931	$167,450
Region 6 Indirect Rate 13.12%						$579,916		
Louisiana Total	$161,400	$55,753	$1,826,213	$651,000	$2,043,366	$5,000,000	$3,551,931	$167,450

Figure 1 – US EPA plane "ASPECT" prepared for takeoff in Biloxi, MS.

Monitoring/Sampling Locations

Legend

- Asset Location
- Air
- Sediment
- Surface Water
- Observed Oiling 5/8/2010 11:57 am

0 5 10 20
Miles

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

Sampling Locations Map

Date Created:	DCN:	SCALE:
5/8/2010	P560	

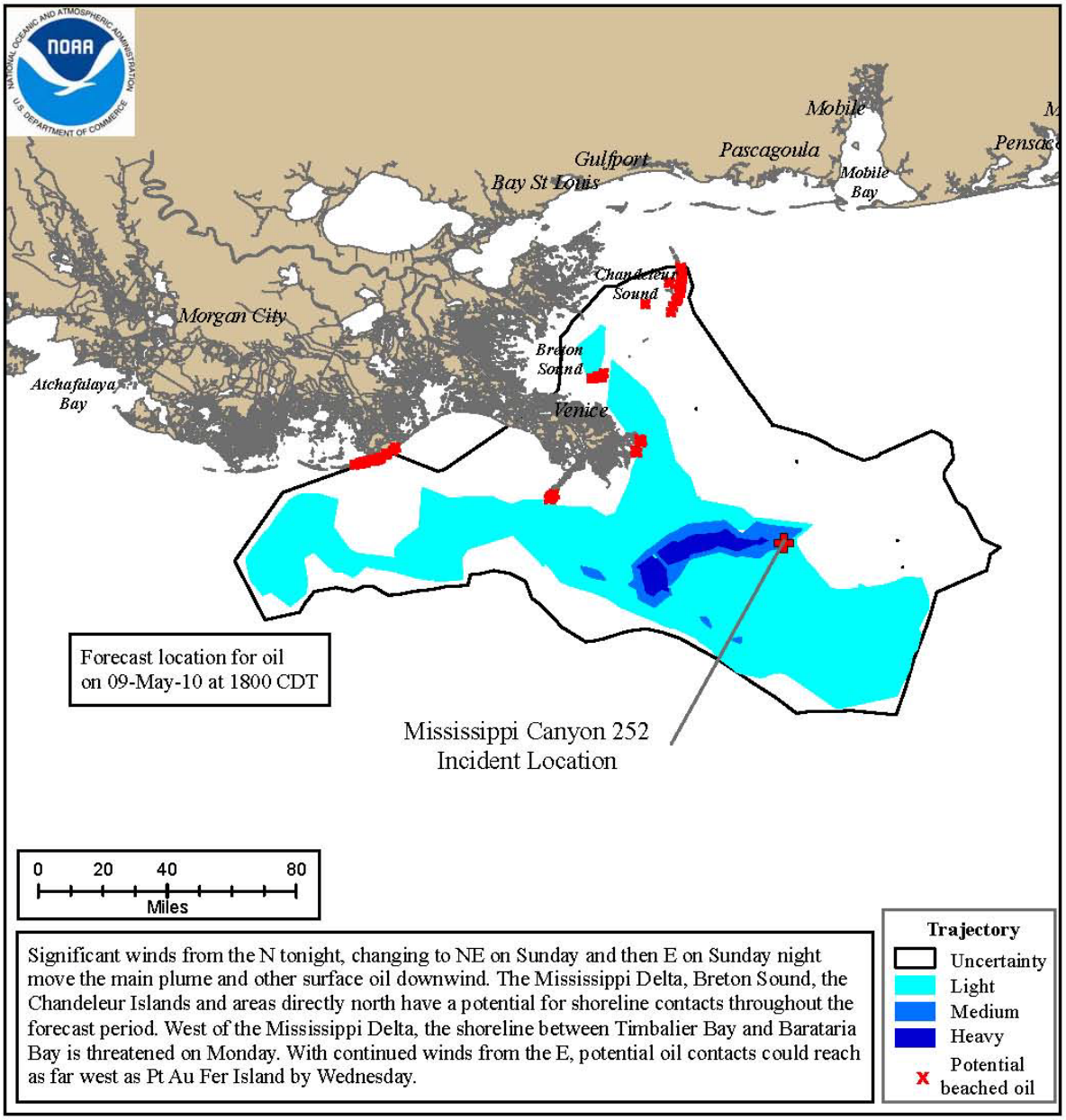
Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

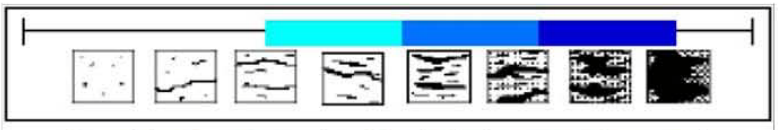
Estimate for: 1800 CDT, Sunday, 5/09/10

Date Prepared: 2100 CDT, Saturday, 5/08/10

This forecast is based on the NWS spot forecast from Saturday, May 8th 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 satellite imagery, analysis provided by NOAA/NESDIS obtained Saturday morning, and Friday/Saturday 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 from the N tonight, changing to NE on Sunday and then E on Sunday night move the main plume and other surface oil downwind. 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 between Timbalier Bay and Barataria Bay is threatened on Monday. With continued winds from the E, potential oil contacts could reach as far west as Pt Au Fer Island by Wednesday.



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

Next Forecast: May 9th PM