[redacted]

From: [redacted]
ent: Sunday, June 13, 2010 11:57 AM
To: Lloyd, Anthony CAPT; [redacted] NOAA; [redacted] D08-DG-District-IMTWatch; Watson, James RADM; Hanzalik, James CAPT; Landry, Mary RADM; HQS-PF-fldr-NIC HQ Situation Unit; Little, Patrick CAPT; [redacted] Hooper, Thomas CAPT; [redacted]
Subject: MC-252 Sub-Sea Dispersant Daily (0900L) POLREP UPDATE: Sunday 13 JUNE 2010
ttachments: MS Canyon 252-Polrep 13 June 2010.doc

Categories: FYI

FYI & SA - Updates are highlighted in YELLOW since yesterdays update.

N te: The continued purpose of this POLREP is to update on a daily basis the following:

1) Major Start & Stop chronologic events for the Sub-Sea Dispersant Injection since it entered the conditional operational phase, and gallons dispersant injected per reporting period, and cumulative gallons dispersant injected to date.

2) Capture any O/S and Departure stats of monitoring vessels in support of the required monitoring protocols.

Summary of today's update below:

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Sunday 13 June Update for: Period from 2200 hrs on 6/11/10 to 2200 hrs on 6/12/10: Injection rate: Average not provided. Injection disrupted numerous times for a total of 12:50 hrs/mins Volume: 4371 gallons (Total Cumulative 382,872 gallons) The Brooks McCall will remain on station thru pm today (Sunday 13 June) for required sampling. The Ocean Veratas is expected on station am 14 June.
>>>
Note: This (Sunday 13 JUNE POLREP UPDATE) Includes a reconciliation table of re-reported daily period totals that BP sub-sea engineering staff de-conflicted due to the flow meter calibration issues that caused some previously reported totals to be incorrect. Additionally, a safety issue caused an high daily total excursion during the 6/3/10 - 6/5/10 reporting period.

V/r
[redacted]

Eighth COAST Guard District (drm)
500 Poydras Street, Suite 1330
New Orleans, LA 70130
[redacted]

U.S. COAST GUARD / SITUATION REPORT
Mississippi Canyon 252 Sub-Sea Dispersant Injection Status POLREP

Unified Area Command (Robert, LA)

Subject: **POLREP # 1**
Initial (Update)

Mississippi Canyon 252 Sub-Sea Dispersant Injection Status

Latitude: 28.755286 **Longitude: -88.386402**

To: DIST

From: AREA COMMAND, ROBERT, LOUISIANA

Date: 5/17/2010

Reporting Period: 15 MAY - 12 June, 2010
Update: 0900 13 June 2010

1. Current Activities

1.1 Operations Section (Sub-Sea Dispersant Operations Only)

1.1.1 Narrative

As an emergent strategy, the application of sub-sea dispersants to mitigate the sea surface spreading of oil, has been implemented again (specifically the COREXIT 9500) is being injected into the expelling oil plume at the sea floor at the depth of 5,000 feet (the depth from surface of the MC 252 oil plume) at a rate of approximately 10 gallons per minute.

This is considered as an operational trial of the proof of concept method previously performed for this event in discrete test phases. Currently, BP has authority from the EPA and the Coast Guard per its Dispersant Monitoring Directive for Subsurface Dispersant Application dated 10 May 2010 and modified on 14 MAY 2010 as Addendum 1, to conduct sub-sea dispersant injection of COREXIT 9500. Additionally, stakeholders within the response effort continue to monitor any potential environmental impacts of these operations.

1.1.2 Co-Requisite Vessel Monitoring Requirements

The R/V BROOKS McCALL has been O/S since 5/15/2010, and is required to perform sampling in accordance with the 14 May 2010 Addendum 1 to the Dispersant Monitoring and Assessment Directive of 09 May both of which were signed and approved by FOSC RADM Mary Landry, and [redacted], Director of Superfund Division, EPA Region VI.

A brief summary of testing required to be performed is IAW the Dispersant Monitoring and Assessment Directive is as follows:

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Towed Flourometer at 1 meter
LISST Particle Analysis at various intervals from surface to 550 meters
Dissolved Oxygen at various intervals from surface to 550 meters
CTD – Conductivity, Temperature, and depth at various intervals from surface to 550 meters
Water sampling from surface to 550 meters for PAH analysis
Aerial Visual Observation – Weather Permitting

PART 2.

Cast Flourometer – surface to sea floor
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CTD – Conductivity, Temperature, and depth at various intervals from surface to sea floor
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UV- Fluorescence testing of Dispersant – Parameter Requirements

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Type of Dispersant to be used
Rate of Dispersant Injection
Process for monitoring pump rate
Procedures for FOSC to start and stop injection

Note: Key additions to these protocols added on 14 May as requirements by Addendum I are as follow, but are not limited to the following:

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The Federal On-Scene Coordinator will immediately convene the Regional response Team (RRT) when either of the following conditions are reported:

1. If there is a significant reduction in DO from background to below 2 mg/L; or
2. If EPA's interpretation of the toxicity test reveals excessive exertion of a toxic response. To determine a measurable toxic response, BP must perform a rangefinder test since the collection of the sample will be directly from the toxic plume, and any sample from the plume will likely kill 100% of the test population. Therefore, the rangefinder must first be conducted to determine an order of magnitude dilution that gives a measurable response… EPA and NOAA will interpret the results of toxicity tests to inform determination of a shutdown decision.

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Note: Sub-Sea Dispersant application (Operational Phase Chronology) has followed these major start-stop intervals since the approval of Addendum 1 on 14 May which established final sampling and shut-down protocols, agreed upon by USCG and EPA. There have been minor interruptions in this schedule to allow for operational & pumping concerns, but below summary represents the major intervals of operation at an approx rate of 10 gallons per minute when pumping:

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- 5250 gallons COREXIT pumped this time period.

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- 0700L Central 19 MAY (was the original expected time to resume sub-sea dispersant injection) as agreed upon by FOSC and EPA.
- 2113L Central 18 MAY (RADM Landry via coordinated discussion with [redacted] as well as EPA ([redacted] Acting Office Director: Office of Emergency Management) decision made to re-start the Sub-Sea Dispersant injections beginning at 2110L Tuesday 18 MAY. However, when the dispersant surface vessel attempted to move on site, VOC levels were too high, so the vessel had to back off the site and return later. When the vessel returned evening of Tuesday 18 MAY, there was a mechanical issue with the Sub-Sea injection hose system which precluded the ability to resume Sub-Sea dispersant injections. Repairs were implemented and completed whereby injection was re-started for a short time at 0055L Central on Wednesday 19, MAY, and then stopped at 0340 10 gpm with only a total of 163 gallons dispensed this time period. Further details are TBD.

>>

- 2200 Central 19 MAY continued subsurface dispersant application through 2200 Central 20 MAY
- One disruption of injection from 2145 – 2158
- 14,210 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring
The vessel is currently expected to stay O/S thru Saturday in order to provide enough time to coordinate assignment and arrival of a relief vessel to support continued sampling and monitoring efforts.

>>

- 2200 Central 20 MAY continued subsurface dispersant application through 2200 Central 21 MAY
- No disruptions
- 14,440 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring
The vessel departed station at dusk to return to port; expected to arrive early on 22 May; restock, unload samples; expected to depart port late 22 May; arrive back on station early 23 May.
FOSC signed BP Request Waiver, allowing continuation of dispersant application without monitoring vessel present from Friday evening to Sunday morning.

>>>
- 2200 Central 21 MAY continued subsurface dispersant application through 2200 Central 22 MAY
- No disruptions
- 14,130 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
Receipt of scintillation tubes and glass bottles will enable maintaining full functionality. Vessel completed refit of cable etc. for 'Real Time' CDT analyses with greater flexibility for picking/taking samples, and left Port Fourchon @ 1600h 5/22 and headed for spill site. New crew members briefed and new equipment/supplies stowed.

Trials of new gear initiated en route @ appx. 0200. Resumed progress to spill site where work will focus on the SW (more specifically WSW) quadrant to further characterize new plume. Expect to be at first station around 0800h.

>>

- 2200 Central 22 MAY continued subsurface dispersant application through 2200 Central 23 MAY
- No disruptions
- 14,712 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring

>>

- 2200 Central 23 MAY continued subsurface dispersant application through 2200 Central 24 MAY
- No disruptions
- 14,440 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring

>>>

- 2200 Central 24 MAY continued subsurface dispersant application through 2200 Central 25 MAY
- Subsea dispersant injection continued until approximately 2000, then restarted at approximately 0430 on 5/26
- 12,766 gallons of COREXIT pumped in this time period. (143,637 gallons cumulative)

>>>

Status of RV Brooks McCall:
- The vessel departed station at dusk to return to port; unload samples

Status of RV Veritas:
- The vessel is in port at Port Fourchon to taken on crew and equipment; expected to depart evening; arrive on station to get sampling by 0800 tomorrow morning.
- Start: 2200 5/25
- Stop: 2200 5/26
- Rate: 10 gpm
- Volume: 11,110 gallons (Total cumulative 155,436 gallons)
- Two disruptions for 21 minutes total.

>>
- 2200 Central 25 MAY continued subsurface dispersant application through 2200 Central 26 MAY
- Two disruptions for 21 minutes total
- 11,110 gallons of COREXIT pumped in this time period. (155,436 gallons cumulative)

>>

Status of RV Brooks McCall:
- At port; depart again on 05/29/10 to sampling station

Status of RV Veritas:
- Arrived at station at 0600 on 05/27; depart from station on 05/29
- >>
- 2200 Central 26 MAY continued subsurface dispersant application through 2200 Central 27 MAY
- No disruptions
- 14,400 gallons of COREXIT pumped in this time period. (169,836 gallons cumulative)

>>

Status of RV Brooks McCall:
- At port; depart again on 05/29/10 to sampling station

Status of RV Veritas:
- On station collecting samples; depart from station on 05/29
- >>
- 2200 Central 27 MAY continued subsurface dispersant application through 2200 Central 28 MAY
- No disruptions
- 14,040 gallons of COREXIT pumped in this time period. (183,832 gallons cumulative)

>>

Status of RV Brooks McCall:
- At port; depart again on 05/29/10 to sampling station

Status of RV Veritas:
- On station collecting samples; depart from station on 05/29
- >>
- 2200 Central 29 MAY continued subsurface dispersant application through 2200 Central 30 MAY
- No disruptions
- 14,974 gallons of COREXIT pumped in this time period. (212,991 gallons cumulative)

>>

Status of RV Brooks McCall:
- Left port evening 05/29; on station 05/30 to begin sampling

Status of RV Veritas:
- Left station evening 05/29; at port 05/30
- >>>
- 2200 Central 30 MAY continued subsurface dispersant application through 2200 Central 31 MAY

Rate: 10 gpm
Volume: 12,948 gallons (Total Cumulative- 225,408 gallons)
Disruptions: No disruptions reported.

>>

The following represents a brief synopsis of vessel sampling activity:
The Brooks-McCall was on station sampling from 30 MAY thru and including 01 JUNE, but will depart pm of 01 JUN; the Ocean-Veritas will depart Port Fourchon, LA, pm of 01 June, and be O/S to resume sampling at approx 0800L on 02 JUNE.

>>>

- 2200 Central 31 MAY thru 1920 Central 01 JUNE, continued subsurface dispersant application

Rate: 10 gpm
Volume: 13,122 gallons (Total Cumulative- 238,530 gallons)
Disruptions: Sub-Sea Injection of Dispersant was stopped at 1920 hours.

>>

The following represents a brief synopsis of vessel sampling activity:

The Ocean-Veritas is expected O/S to resume sampling at approx 0900L on 02 JUNE.
>>

Reporting Period 2200L 01 JUNE – 2200 02 JUNE:
Injection rate: 5 to 20 gal/min. Injection disrupted 7 times for SIMOPS (12 hours and 24 mins not injected)
Volume: 7,465 gallons (Total Cumulative thru 2200L 02 JUN: 245,975 gallons)
The Ocean-Veritas remains O/S this reporting period.
>>>>>>>>>>>>>>>>>>>>>>>>>>

Reporting Period 2200L 02 JUNE – 2200 03 JUNE:
Injection rate: 8 to 14 gal/min. Injection disrupted 2 times for SIMOPS (6 hours and 33 mins not injected)
Volume: 10,241 gallons (Total Cumulative 256,216 gallons)
>>

The Ocean-Veritas remains O/S today (Friday 04 June).
>>>

Reporting Period: 2200L 03 JUNE – 2200L 04 JUNE 2010:
Sub-Sea Dispersant Injection continues
On 6/4/10 Injection rate 9 – 14 gallons per minute
Injection disrupted 2 times for SIMOPS
(0 hours and 55 minutes not injected)
Volume: 13,931 gallons this period
(TOTAL Cumulative: 270,668 gallons)
>>>

The Ocean Veratas departed station pm of 04 JUNE 2010 for Port Fourchon
The Brooks McCall departed Port Fourchon pm of 04 June for an ETA of early am Saturday 05 JUNE 0n Station to resume sub-sea sampling.
>>>

Reporting Period: 2200L 04 JUNE – 2200L 05 JUNE 2010:
Injection rate: 6 to 16 gal/min. Injection disrupted 2 times for SIMOPS (1 hour and 12 mins not injected)
Volume: 13,513 gallons (Total Cumulative 284,193 gallons)
The Brooks McCall was on-station since am of 05 JUNE and remains on-station for required sampling.
>>>

Reporting Period: 2200L 05 JUNE – 2200L 06 JUNE 2010:
Injection rate: 9.8 gal/min. Injection disrupted 1 times for SIMOPS (0 hour and 45 mins not injected)
Volume: 13,640 gallons (Total Cumulative 317,555 gallons)
The Brooks McCall was on-station since am of 05 JUNE and remains on-station for required sampling.
>>>

Reporting Period: 2200L 06 JUNE – 2200L 07 JUNE 2010:
Injection rate: Average not provided. Injection disrupted 4 times for SIMOPS (3 hours and 28 mins not injected)
Volume: 14,105 gallons (Total Cumulative 331,660 gallons)
>>

The Brooks McCall was on-station beginning am of 05 JUNE and scheduled to depart station pm of 07 JUNE for a return to Port Fourchon. The Ocean Veratas is confirmed on-station am of 08 June conducting the required sampling.
>>

- 2200 hrs on 6/7/10 to 2200 hrs on 6/8/10:
Injection rate: Average: Not provided. Injection disrupted 6 times (3 hours and 0 mins not injected)
Volume: 14,207 gallons (Total Cumulative 345,867 gallons)
NOTES: The cumulative value was adjusted in today's report update (Wed 09 JUNE) to reflect flow meter calibration issues that occurred between 6/2 and 6/5.
>>>

The Ocean Veratas is confirmed on-station since am of 08 June conducting the required sampling thru Wed and Thurs 9 and 10 June. It is scheduled to depart station pm of 10 June and return to Port Fourchon. The Brooks

McCall is scheduled to transit from Port Fourchon on pm of 10 June, for an ETA on station sampling of early am 11 June.
>>
Period: 2200 hrs on 6/8/10 to 2200 hrs on 6/9/10:
Injection rate: Average not provided. Injection disrupted 1 time for a total of 17 min
Period Volume: 12,521 gallons (Total Cumulative 358,388 gallons)
>>>
The Ocean Veratas remains on-station thru pm of 10 June for departure to Port Fourchon. The Brooks McCall is scheduled to depart Port Fourchon pm of 10 June for an on-station ETA of early am 11 June for required sampling.
>>>
Period: 2200 hrs on 6/09/10 to 2200 hrs on 6/10/10:
Injection rate: Average not provided.
Injection disrupted 1 time for a total of 10 min
Period Volume: 10,279 gallons (Approx: Total Cumulative* 368,667 gallons)
Note*: Cumulative remains an approximate at this time with a delta of plus or minus approx 10,000 gallons as the flow meter was adjusted and calibrated earlier in the week, and BP engineers are expected to report a revised cumulative due to the calibration issues. The total period volume previously reported 2200L 6/5/10 – 2200L 6/6/10 is expected to be revised as well for the Saturday 12 June 0900L POLREP Update.
>>
The Ocean Veratas departed station pm of 10 June for Port Fourchon.
The Brooks McCall is on-station since am of 11 June conducting required sampling.
>>
Saturday 12 June Update: BP sub-sea engineering staff continue to deconflict some previously reported daily totals due to the flow meter calibration reported on an earlier update. When corrected values are obtained, details will be provided.
>>
Period: 2200 hrs on 6/10/10 to 2200 hrs on 6/11/10:
Injection rate: Average not provided. Injection disrupted 6 times for a total of 2:12 hrs/mins
Period Volume: 9193 gallons (Total Cumulative 378,501 gallons). Sub Sea dispersant cumulative total was adjusted up by 641 gallons. Over 3 days (June 2-4). The Brooks McCall remains on-station for required sampling.

>>>
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The following table documents some recalculated values by BP engineers due to flow meter calibration issues as well as a reported safety excursion that was employed 6/3/10 – 6/5/10, where the volume was increased during that period.

2200L – 2200L Period Dates	Previous Period Total Reported (i.e. numbers reported prior to calibration)	Recalculated Period Total due to flow Meter Calibration	Recalculated Cumulative for Sub-Surface Dispersant Application
5/26/10 – 5/27/10	14,400	14,347	170,440
5/27/10 – 5/28/10	14,040	12,840	183,280
5/28/10 – 5/29/10	14,185	14,185	197,465
5/29/10 – 5/30/10	14,974	14,974	212,439
5/30/10 – 5/31/10	12,948	12,948	225,387
5/31/10 – 6/1/10	13,122	13,122	238,509
6/1/10 – 6/2/10	7,465	7,758	246,267
6/2/10 – 6/3/10	10,241	16,495	262,762
6/3/10 – 6/4/10	13,931	20,651	283,413
6/4/10 – 6/5/10	13,513	21,143	304,556
6/5/10 – 6/6/10	13,640	13,640	318,196
6/6/10 – 6/7/10	14,105	14,105	332,301
6/7/10 – 6/8/10	14,207	14,207	346,508
6/8/10 – 6/9/10	12,521	12,521	359,029
6/9/10 – 6/10/10	10,279	10,279	369,308
6/10/10 – 6/11/10	9,193	9,193	378,501
6/11/10 – 6/12/10	4,371	4,371	382,872

[redacted]

From: [redacted]
Sent: Thursday, June 10, 2010 10:25 AM
To: Lloyd, Anthony CAPT; [redacted] NOAA; [redacted] D08-DG-District-IMTWatch; Watson, James RADM; Hanzalik, James CAPT; Landry, Mary RADM; HQS-PF-fldr-NIC HQ Situation Unit; Little, Patrick CAPT; [redacted] Hooper, Thomas CAPT; [redacted]
Subject: MC-252 Sub-Sea Dispersant Daily (0900L) POLREP UPDATE:Thursday 10 JUNE 2010
Attachments: MS Canyon 252-Polrep 10 June 2010.doc

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: FYI

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- 2113L Central 18 MAY (RADM Landry via coordinated discussion with Sam Coleman, as well as EPA (Ms. Dana Tulis, Acting Office Director: Office of Emergency Management) decision made to re-start the Sub-Sea Dispersant injections beginning at 2110L Tuesday 18 MAY. However, when the dispersant surface vessel attempted to move on site, VOC levels were too high, so the vessel had to back off the site and return later. When the vessel returned evening of Tuesday 18 MAY, there was a mechanical issue with the Sub-Sea injection hose system which precluded the ability to resume Sub-Sea dispersant injections. Repairs were implemented and completed whereby injection was re-started for a short time at 0055L Central on Wednesday 19, MAY, and then stopped at 0340 10 gpm with only a total of 163 gallons dispensed this time period. Further details are TBD.

>>

- 2200 Central 19 MAY continued subsurface dispersant application through 2200 Central 20 MAY
- One disruption of injection from 2145 – 2158
- 14,210 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring
The vessel is currently expected to stay O/S thru Saturday in order to provide enough time to coordinate assignment and arrival of a relief vessel to support continued sampling and monitoring efforts.

>>

- 2200 Central 20 MAY continued subsurface dispersant application through 2200 Central 21 MAY
- No disruptions
- 14,440 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring
The vessel departed station at dusk to return to port; expected to arrive early on 22 May; restock, unload samples; expected to depart port late 22 May; arrive back on station early 23 May.
FOSC signed BP Request Waiver, allowing continuation of dispersant application without monitoring vessel present from Friday evening to Sunday morning.

>>>
- 2200 Central 21 MAY continued subsurface dispersant application through 2200 Central 22 MAY
- No disruptions
- 14,130 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
Receipt of scintillation tubes and glass bottles will enable maintaining full functionality. Vessel completed refit of cable etc. for 'Real Time' CDT analyses with greater flexibility for picking/taking samples, and left Port Fourchon @ 1600h 5/22 and headed for spill site. New crew members briefed and new equipment/supplies stowed.

Trials of new gear initiated en route @ appx. 0200. Resumed progress to spill site where work will focus on the SW (more specifically WSW) quadrant to further characterize new plume. Expect to be at first station around 0800h.

>>

- **2200 Central 22 MAY continued subsurface dispersant application through 2200 Central 23 MAY**
- **No disruptions**
- **14,712 gallons of COREXIT pumped in this time period.**
- **Injection is still on-going at time of this POLREP Update**

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring

>>

- 2200 Central 23 MAY continued subsurface dispersant application through 2200 Central 24 MAY
- No disruptions
- 14,440 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring

>>

- 2200 Central 24 MAY continued subsurface dispersant application through 2200 Central 25 MAY
- Subsea dispersant injection continued until approximately 2000, then restarted at approximately 0430 on 5/26
- 12,766 gallons of COREXIT pumped in this time period. (143,637 gallons cumulative)

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

Status of RV Brooks McCall:
- The vessel departed station at dusk to return to port; unload samples

Status of RV Veritas:
- The vessel is in port at Port Fourchon to taken on crew and equipment; expected to depart evening; arrive on station to get sampling by 0800 tomorrow morning.
- Start: 2200 5/25
- Stop: 2200 5/26
- Rate: 10 gpm
- Volume: 11,110 gallons (Total cumulative 155,436 gallons)
- Two disruptions for 21 minutes total.

>>>
- **2200 Central 25 MAY continued subsurface dispersant application through 2200 Central 26 MAY**
- **Two disruptions for 21 minutes total**
- **11,110 gallons of COREXIT pumped in this time period. (155,436 gallons cumulative)**

>>

Status of RV Brooks McCall:
- **At port; depart again on 05/29/10 to sampling station**

Status of RV Veritas:
- **Arrived at station at 0600 on 05/27; depart from station on 05/29**
- >>>
- **2200 Central 26 MAY continued subsurface dispersant application through 2200 Central 27 MAY**
- **No disruptions**
- **14,400 gallons of COREXIT pumped in this time period. (169,836 gallons cumulative)**

>>

Status of RV Brooks McCall:
- **At port; depart again on 05/29/10 to sampling station**

Status of RV Veritas:
- **On station collecting samples; depart from station on 05/29**
- >>>
- **2200 Central 27 MAY continued subsurface dispersant application through 2200 Central 28 MAY**
- **No disruptions**
- **14,040 gallons of COREXIT pumped in this time period. (183,832 gallons cumulative)**

>>

Status of RV Brooks McCall:
- **At port; depart again on 05/29/10 to sampling station**

Status of RV Veritas:
- **On station collecting samples; depart from station on 05/29**
- >>>
- **2200 Central 29 MAY continued subsurface dispersant application through 2200 Central 30 MAY**
- **No disruptions**
- **14,974 gallons of COREXIT pumped in this time period. (212,991 gallons cumulative)**

>>

Status of RV Brooks McCall:
- **Left port evening 05/29; on station 05/30 to begin sampling**

Status of RV Veritas:
- **Left station evening 05/29; at port 05/30**
- >>
- **2200 Central 30 MAY continued subsurface dispersant application through 2200 Central 31 MAY**
- Rate: 10 gpm
- Volume: 12,948 gallons (Total Cumulative- 225,408 gallons)
- Disruptions: No disruptions reported.
- >>
- The following represents a brief synopsis of vessel sampling activity:
- The Brooks-McCall was on station sampling from 30 MAY thru and including 01 JUNE, but will depart pm of 01 JUN; the Ocean-Veritas will depart Port Fourchon, LA, pm of 01 June, and be O/S to resume sampling at approx 0800L on 02 JUNE.

>>>

- 2200 Central 31 MAY thru 1920 Central 01 JUNE, continued subsurface dispersant application
- Rate: 10 gpm
- Volume: 13,122 gallons (Total Cumulative- 238,530 gallons)
- Disruptions: Sub-Sea Injection of Dispersant was stopped at 1920 hours.
- >>>
- The following represents a brief synopsis of vessel sampling activity:
- The Ocean-Veritas is expected O/S to resume sampling at approx 0900L on 02 JUNE.
- >>
- Reporting Period 2200L 01 JUNE - 2200 02 JUNE:
  Injection rate: 5 to 20 gal/min. Injection disrupted 7 times for SIMOPS (12 hours and 24 mins not injected)
- Volume: 7,465 gallons (Total Cumulative thru 2200L 02 JUN: 245,975 gallons)
- The Ocean-Veritas remains O/S this reporting period.
- >>>>>>>>>>>>>>>>>>>>>>>>>>>
- Reporting Period 2200L 02 JUNE - 2200 03 JUNE:
  Injection rate: 8 to 14 gal/min. Injection disrupted 2 times for SIMOPS (6 hours and 33 mins not injected)
- Volume: 10,241 gallons (Total Cumulative 256,216 gallons)
- >>>
- The Ocean-Veritas remains O/S today (Friday 04 June).
- >>>
- Reporting Period: 2200L 03 JUNE - 2200L 04 JUNE 2010:
- Sub-Sea Dispersant Injection continues
- On 6/4/10 Injection rate 9 - 14 gallons per minute
- Injection disrupted 2 times for SIMOPS
- (0 hours and 55 minutes not injected)
- Volume: 13,931 gallons this period
- (TOTAL Cumulative: 270,668 gallons)
- >>>
- The Ocean Veratas departed station pm of 04 JUNE 2010 for Port Fourchon
- The Brooks McCall departed Port Fourchon pm of 04 June for an ETA of early am Saturday 05 JUNE On Station to resume sub-sea sampling.
- >>>
- Reporting Period: 2200L 04 JUNE – 2200L 05 JUNE 2010:
- Injection rate: 6 to 16 gal/min. Injection disrupted 2 times for SIMOPS (1 hour and 12 mins not injected)
  Volume: 13,513 gallons (Total Cumulative 284,193 gallons)
- The Brooks McCall was on-station since am of 05 JUNE and remains on-station for required sampling.
- >>>
  Reporting Period: 2200L 05 JUNE – 2200L 06 JUNE 2010:
- Injection rate: 9.8 gal/min. Injection disrupted 1 times for SIMOPS (0 hour and 45 mins not injected)
  Volume: 13,640 gallons (Total Cumulative 317,555 gallons)
- The Brooks McCall was on-station since am of 05 JUNE and remains on-station for required sampling.
- >>>
  Reporting Period: 2200L 06 JUNE – 2200L 07 JUNE 2010:
- Injection rate: Average not provided. Injection disrupted 4 times for SIMOPS (3 hours and 28 mins not injected)
  Volume: 14,105 gallons (Total Cumulative 331,660 gallons)
- >>>

- The Brooks McCall was on-station beginning am of 05 JUNE and scheduled to depart station pm of 07 JUNE for a return to Port Fourchon. The Ocean Veratas is confirmed on-station am of 08 June conducting the required sampling.

>>>

- 2200 hrs on 6/7/10 to 2200 hrs on 6/8/10:
- Injection rate: Average: Not provided. Injection disrupted 6 times (3 hours and 0 mins not injected)
- Volume: 14,207 gallons (Total Cumulative 345,867 gallons)
- NOTES: The cumulative value was adjusted in today's report update (Wed 09 JUNE) to reflect flow meter calibration issues that occurred between 6/2 and 6/5.

>>>

- The Ocean Veratas is confirmed on-station since am of 08 June conducting the required sampling thru Wed and Thurs 9 and 10 June. It is scheduled to depart station pm of 10 June and return to Port Fourchon. The Brooks McCall is scheduled to transit from Port Fourchon on pm of 10 June, for an ETA on station sampling of early am 11 June.
- >>>
- Period: 2200 hrs on 6/8/10 to 2200 hrs on 6/9/10:
- Injection rate: Average not provided. Injection disrupted 1 time for a total of 17 min
- Period Volume: 12,521 gallons (Total Cumulative 358,388 gallons)
- >>>
- The Ocean Veratas remains on-station thru pm of 10 June for departure to Port Fourchon. The Brooks McCall is scheduled to depart Port Fourchon pm of 10 June for an on-station ETA of early am 11 June for required sampling.

[redacted]

From: [redacted]
Sent: Wednesday, June 16, 2010 11:16 AM
To: Lloyd, Anthony CAPT; [redacted] NOAA; [redacted] D08-DG-District-IMTWatch; Watson, James RADM; Hanzalik, James CAPT; Landry, Mary RADM; HQS-PF-fldr-NIC HQ Situation Unit; Little, Patrick CAPT; [redacted]; Hooper, Thomas CAPT; [redacted]
Subject: MC-252 Sub-Sea Dispersant Daily (0900L) POLREP UPDATE: Wednesday 16 JUNE 2010
Attachments: MS Canyon 252-Polrep 16 June 2010.doc

Categories: FYI

FYI & SA - Updates are highlighted in YELLOW since yesterdays update.

Note: The continued purpose of this POLREP is to update on a daily basis the following:

1) Major Start & Stop chronologic events for the Sub-Sea Dispersant Injection since it entered the conditional operational phase, and gallons dispersant injected per reporting period, and cumulative gallons dispersant injected to date.

2) Capture any O/S and Departure stats of monitoring vessels in support of the required monitoring protocols.

Summary of today's update below:

>>
Wednesday 16 June update: period from 2200hrsL on 6/14/10 to 2200hrsL on 6/15/10: Injection rate average not provided. Injection disrupted 1 time for a total of 44 min. Period Volume: 11, 578 gallons (Total Cumulative 413,922 gallons). The Ocean Veratas remains on station for required sampling.
>>>

V/r
[redacted]
Eighth COAST Guard District (drm)
500 Poydras Street, Suite 1330
New Orleans, LA 70130
[redacted]

U.S. COAST GUARD / SITUATION REPORT
Mississippi Canyon 252 Sub-Sea Dispersant Injection Status POLREP

Unified Area Command (Robert, LA)

Subject: **POLREP # 1**
Initial (Update)

Mississippi Canyon 252 Sub-Sea Dispersant Injection Status

Latitude: 28.755286 **Longitude: -88.386402**

To: DIST

From: AREA COMMAND, ROBERT, LOUISIANA

Date: 5/17/2010

Reporting Period: 15 MAY - 15 June, 2010
Update: 0900 16 June 2010

1. Current Activities

1.1 Operations Section (Sub-Sea Dispersant Operations Only)

1.1.1 Narrative

As an emergent strategy, the application of sub-sea dispersants to mitigate the sea surface spreading of oil, has been implemented again (specifically the COREXIT 9500) is being injected into the expelling oil plume at the sea floor at the depth of 5,000 feet (the depth from surface of the MC 252 oil plume) at a rate of approximately 10 gallons per minute.

This is considered as an operational trial of the proof of concept method previously performed for this event in discrete test phases. Currently, BP has authority from the EPA and the Coast Guard per its Dispersant Monitoring Directive for Subsurface Dispersant Application dated 10 May 2010 and modified on 14 MAY 2010 as Addendum 1, to conduct sub-sea dispersant injection of COREXIT 9500. Additionally, stakeholders within the response effort continue to monitor any potential environmental impacts of these operations.

1.1.2 Co-Requisite Vessel Monitoring Requirements

The R/V BROOKS McCALL has been O/S since 5/15/2010, and is required to perform sampling in accordance with the 14 May 2010 Addendum 1 to the Dispersant Monitoring and Assessment Directive of 09 May both of which were signed and approved by FOSC RADM Mary Landry, and [redacted] Director of Superfund Division, EPA Region VI.

A brief summary of testing required to be performed is IAW the Dispersant Monitoring and Assessment Directive is as follows:

PART 1.

Towed Flourometer at 1 meter
LISST Particle Analysis at various intervals from surface to 550 meters
Dissolved Oxygen at various intervals from surface to 550 meters
CTD – Conductivity, Temperature, and depth at various intervals from surface to 550 meters
Water sampling from surface to 550 meters for PAH analysis
Aerial Visual Observation – Weather Permitting

PART 2.

Cast Flourometer – surface to sea floor
LISST Particle Analysis at various intervals from surface to the sea floor
CTD – Conductivity, Temperature, and depth at various intervals from surface to sea floor
Water sampling from surface to 550 meters for PAH analysis
Aerial Visual Observation
Rototox toxicity testing

UV- Fluorescence testing of Dispersant – Parameter Requirements

PART 3.

Type of Dispersant to be used
Rate of Dispersant Injection
Process for monitoring pump rate
Procedures for FOSC to start and stop injection

Note: Key additions to these protocols added on 14 May as requirements by Addendum I are as follow, but are not limited to the following:

- Sampling of dispersant/oil and oily waters must be continued, and in addition, baseline data of water without direct application of dispersant or oil shall also be collected by BP.
- BP Shall allow EPA/NOAA Scientists flexibility within the sampling plan to direct the collection of additional data based on field observations (at times and locations of their choice).
- BP shall use Turner Designs C3 Flourometer (e.g. SMART protocol) to distinguish between oil impacted surface waters and those not impacted by oil.
- BP shall use a CTD rosette package equipped with CDOM Flourometer and 2-way communication wire to ensure that EPA/NOAA scientists can view profile data as the rosette package is deployed to 1500 meters. In addition, the CDT rosette package must be capable of collecting discrete samples in water column using the live feed data system. The requirements must be met within 7 days for the RV Brooks McCall. All other vessels must immediately meet this requirement.
- BP shall deploy LISST from the vessel for continuous sampling of surface waters during transits, in order to provide particle size counts information which potentially distinguishes between dispersed and non-dispersed oil.
- Discrete water samples shall be taken by BP at predetermined depths as specified or directed by EPA/NOAA scientists for UV fluorescences.
- BP shall provide 48 hour advance notice for departure and trip duration timelines to the FOSC and the EPA RRT Co-Chair.
- Data reporting shall be conducted by BP on a daily basis. This reporting shall include a sample tracking table. Data reporting shall be provided by BP to the FOSC and the EPA RRT Co-Chair.

1.1.3 Evaluation Criteria to Determine Shut-Down of Subsurface Sea Dispersant Application

The Federal On-Scene Coordinator will immediately convene the Regional response Team (RRT) when either of the following conditions are reported:

1. If there is a significant reduction in DO from background to below 2 mg/L; or
2. If EPA's interpretation of the toxicity test reveals excessive exertion of a toxic response. To determine a measurable toxic response, BP must perform a rangefinder test since the collection of the sample will be directly from the toxic plume, and any sample from the plume will likely kill 100% of the test population. Therefore, the rangefinder must first be conducted to determine an order of magnitude dilution that gives a measurable response… EPA and NOAA will interpret the results of toxicity tests to inform determination of a shutdown decision.

1.1.4

Note: Sub-Sea Dispersant application (Operational Phase Chronology) has followed these major start-stop intervals since the approval of Addendum 1 on 14 May which established final sampling and shut-down protocols, agreed upon by USCG and EPA. There have been minor interruptions in this schedule to allow for operational & pumping concerns, but below summary represents the major intervals of operation at an approx rate of 10 gallons per minute when pumping:

Major Start and Stop times for Sub-Sea Dispersant Injection (Operational Phase)

- 0215L Central 15 MAY began pumping at 10 gallon per minute.
- 1419L Central 15 MAY stopped pumping to adjust injection wand. (When it became d dislodged)
- 7222 gallons COREXIT 9500 pumped this time period.

>>>
- 1330L Central 16 MAY began pumping again at 10 gallon per minute.
- 0145L Central 17 MAY stopped pumping to reposition ship due to weather (Surface vessel is flaring and must remain upwind for surface ops) Then sub-surface dispersant injector wand needed to be re-positioned again to proceed.
- 12380 gallons COREXIT 9500 pumped this time period.

>>
- 1015L Central 17 MAY began pumping again. Duration of operational continuation is TBD.
- 0550L Central 18 MAY stopped pumping since the R/V BROOKS McCALL will be departing and temporarily preclude continuity of required sampling.
- 5250 gallons COREXIT pumped this time period.

>>
- 0700L Central 19 MAY (was the original expected time to resume sub-sea dispersant injection) as agreed upon by FOSC and EPA.
- 2113L Central 18 MAY (RADM Landry via coordinated discussion with [redacted] as well as EPA [redacted] Acting Office Director: Office of Emergency Management) decision made to re-start the Sub-Sea Dispersant injections beginning at 2110L Tuesday 18 MAY. However, when the dispersant surface vessel attempted to move on site, VOC levels were too high, so the vessel had to back off the site and return later. When the vessel returned evening of Tuesday 18 MAY, there was a mechanical issue with the Sub-Sea injection hose system which precluded the ability to resume Sub-Sea dispersant injections. Repairs were implemented and completed whereby injection was re-started for a short time at 0055L Central on Wednesday 19, MAY, and then stopped at 0340 10 gpm with only a total of 163 gallons dispensed this time period. Further details are TBD.

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- One disruption of injection from 2145 – 2158
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- Injection is still on-going at time of this POLREP Update

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Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring
The vessel is currently expected to stay O/S thru Saturday in order to provide enough time to coordinate assignment and arrival of a relief vessel to support continued sampling and monitoring efforts.

>>
- 2200 Central 20 MAY continued subsurface dispersant application through 2200 Central 21 MAY
- No disruptions
- 14,440 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring
The vessel departed station at dusk to return to port; expected to arrive early on 22 May; restock, unload samples; expected to depart port late 22 May; arrive back on station early 23 May.
FOSC signed BP Request Waiver, allowing continuation of dispersant application without monitoring vessel present from Friday evening to Sunday morning.

>>
- 2200 Central 21 MAY continued subsurface dispersant application through 2200 Central 22 MAY
- No disruptions
- 14,130 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>>

Status of RV BROOKS McCALL:

Receipt of scintillation tubes and glass bottles will enable maintaining full functionality. Vessel completed refit of cable etc. for 'Real Time' CDT analyses with greater flexibility for picking/taking samples, and left Port Fourchon @ 1600h 5/22 and headed for spill site. New crew members briefed and new equipment/supplies stowed.

Trials of new gear initiated en route @ appx. 0200. Resumed progress to spill site where work will focus on the SW (more specifically WSW) quadrant to further characterize new plume. Expect to be at first station around 0800h.

>>>
- 2200 Central 22 MAY continued subsurface dispersant application through 2200 Central 23 MAY
- No disruptions
- 14,712 gallons of COREXIT pumped in this time period.
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>>>

Status of RV BROOKS McCALL:

VSL was O/S during injection application to perform Sampling & Monitoring

>>>
- 2200 Central 23 MAY continued subsurface dispersant application through 2200 Central 24 MAY
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- Injection is still on-going at time of this POLREP Update

>>>

Status of RV BROOKS McCALL:

VSL was O/S during injection application to perform Sampling & Monitoring

>>
- 2200 Central 24 MAY continued subsurface dispersant application through 2200 Central 25 MAY
- Subsea dispersant injection continued until approximately 2000, then restarted at approximately 0430 on 5/26
- 12,766 gallons of COREXIT pumped in this time period. (143,637 gallons cumulative)

>>

Status of RV Brooks McCall:
- The vessel departed station at dusk to return to port; unload samples

Status of RV Veritas:
- The vessel is in port at Port Fourchon to taken on crew and equipment; expected to depart evening; arrive on station to get sampling by 0800 tomorrow morning.
- Start: 2200 5/25
- Stop: 2200 5/26
- Rate: 10 gpm
- Volume: 11,110 gallons (Total cumulative 155,436 gallons)
- Two disruptions for 21 minutes total.

>>
- 2200 Central 25 MAY continued subsurface dispersant application through 2200 Central 26 MAY
- Two disruptions for 21 minutes total
- 11,110 gallons of COREXIT pumped in this time period. (155,436 gallons cumulative)

>>

Status of RV Brooks McCall:
- At port; depart again on 05/29/10 to sampling station

Status of RV Veritas:
- Arrived at station at 0600 on 05/27; depart from station on 05/29
- >>
- 2200 Central 26 MAY continued subsurface dispersant application through 2200 Central 27 MAY
- No disruptions
- 14,400 gallons of COREXIT pumped in this time period. (169,836 gallons cumulative)

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- 2200 Central 29 MAY continued subsurface dispersant application through 2200 Central 30 MAY
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- 14,974 gallons of COREXIT pumped in this time period. (212,991 gallons cumulative)

>>

Status of RV Brooks McCall:
- Left port evening 05/29; on station 05/30 to begin sampling

Status of RV Veritas:
- Left station evening 05/29; at port 05/30
- >>
- 2200 Central 30 MAY continued subsurface dispersant application through 2200 Central 31 MAY

Rate: 10 gpm
Volume: 12,948 gallons (Total Cumulative- 225,408 gallons)
Disruptions: No disruptions reported.

>>

The following represents a brief synopsis of vessel sampling activity:
The Brooks-McCall was on station sampling from 30 MAY thru and including 01 JUNE, but will depart pm of 01 JUN; the Ocean-Veritas will depart Port Fourchon, LA, pm of 01 June, and be O/S to resume sampling at approx 0800L on 02 JUNE.

>>

- 2200 Central 31 MAY thru 1920 Central 01 JUNE, continued subsurface dispersant application

Rate: 10 gpm
Volume: 13,122 gallons (Total Cumulative- 238,530 gallons)
Disruptions: Sub-Sea Injection of Dispersant was stopped at 1920 hours.

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The following represents a brief synopsis of vessel sampling activity:

The Ocean-Veritas is expected O/S to resume sampling at approx 0900L on 02 JUNE.
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Injection rate: 5 to 20 gal/min. Injection disrupted 7 times for SIMOPS (12 hours and 24 mins not injected)
Volume: 7,465 gallons (Total Cumulative thru 2200L 02 JUN: 245,975 gallons)
The Ocean-Veritas remains O/S this reporting period.
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Reporting Period 2200L 02 JUNE – 2200 03 JUNE:
Injection rate: 8 to 14 gal/min. Injection disrupted 2 times for SIMOPS (6 hours and 33 mins not injected)
Volume: 10,241 gallons (Total Cumulative 256,216 gallons)
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The Ocean-Veritas remains O/S today (Friday 04 June).
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Reporting Period: 2200L 03 JUNE – 2200L 04 JUNE 2010:
Sub-Sea Dispersant Injection continues
On 6/4/10 Injection rate 9 – 14 gallons per minute
Injection disrupted 2 times for SIMOPS
(0 hours and 55 minutes not injected)
Volume: 13,931 gallons this period
(TOTAL Cumulative: 270,668 gallons)
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The Ocean Veratas departed station pm of 04 JUNE 2010 for Port Fourchon
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Injection rate: 9.8 gal/min. Injection disrupted 1 times for SIMOPS (0 hour and 45 mins not injected)
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Reporting Period: 2200L 06 JUNE – 2200L 07 JUNE 2010:
Injection rate: Average not provided. Injection disrupted 4 times for SIMOPS (3 hours and 28 mins not injected)
Volume: 14,105 gallons (Total Cumulative 331,660 gallons)
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The Brooks McCall was on-station beginning am of 05 JUNE and scheduled to depart station pm of 07 JUNE for a return to Port Fourchon. The Ocean Veratas is confirmed on-station am of 08 June conducting the required sampling.
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- 2200 hrs on 6/7/10 to 2200 hrs on 6/8/10:
Injection rate: Average: Not provided. Injection disrupted 6 times (3 hours and 0 mins not injected)
Volume: 14,207 gallons (Total Cumulative 345,867 gallons)
NOTES: The cumulative value was adjusted in today's report update (Wed 09 JUNE) to reflect flow meter calibration issues that occurred between 6/2 and 6/5.
>>>
The Ocean Veratas is confirmed on-station since am of 08 June conducting the required sampling thru Wed and Thurs 9 and 10 June. It is scheduled to depart station pm of 10 June and return to Port Fourchon. The Brooks

McCall is scheduled to transit from Port Fourchon on pm of 10 June, for an ETA on station sampling of early am 11 June.
>>
Period: 2200 hrs on 6/8/10 to 2200 hrs on 6/9/10:
Injection rate: Average not provided. Injection disrupted 1 time for a total of 17 min
Period Volume: 12,521 gallons (Total Cumulative 358,388 gallons)
>>>
The Ocean Veratas remains on-station thru pm of 10 June for departure to Port Fourchon. The Brooks McCall is scheduled to depart Port Fourchon pm of 10 June for an on-station ETA of early am 11 June for required sampling.
>>>
Period: 2200 hrs on 6/09/10 to 2200 hrs on 6/10/10:
Injection rate: Average not provided.
Injection disrupted 1 time for a total of 10 min
Period Volume: 10,279 gallons (Approx: Total Cumulative* 368,667 gallons)
Note*: Cumulative remains an approximate at this time with a delta of plus or minus approx 10,000 gallons as the flow meter was adjusted and calibrated earlier in the week, and BP engineers are expected to report a revised cumulative due to the calibration issues. The total period volume previously reported 2200L 6/5/10 – 2200L 6/6/10 is expected to be revised as well for the Saturday 12 June 0900L POLREP Update.
>>>
The Ocean Veratas departed station pm of 10 June for Port Fourchon.
The Brooks McCall is on-station since am of 11 June conducting required sampling.
>>>
Saturday 12 June Update: BP sub-sea engineering staff continue to deconflict some previously reported daily totals due to the flow meter calibration reported on an earlier update. When corrected values are obtained, details will be provided.
>>>
Period: 2200 hrs on 6/10/10 to 2200 hrs on 6/11/10:
Injection rate: Average not provided. Injection disrupted 6 times for a total of 2:12 hrs/mins
Period Volume: 9193 gallons (Total Cumulative 378,501 gallons). Sub Sea dispersant cumulative total was adjusted up by 641 gallons. Over 3 days (June 2-4). The Brooks McCall remains on-station for required sampling.

>>>
Sunday 13 June Update for: Period from 2200 hrs on 6/11/10 to 2200 hrs on 6/12/10: Injection rate: Average not provided. Injection disrupted numerous times for a total of 12:50 hrs/mins Volume: 4371 gallons (Total Cumulative 382,872 gallons) The Brooks McCall will remain on station thru pm today (Sunday 13 June) for required sampling. The Ocean Veratas is expected on station am 14 June.

The following table documents some recalculated values by BP engineers due to flow meter calibration issues as well as a reported safety excursion that was employed 6/3/10 – 6/5/10, where the volume was increased during that period.

2200L – 2200L Period Dates	Previous Period Total Reported (i.e. numbers reported prior to calibration)	Recalculated Period Total due to flow Meter Calibration	Recalculated Cumulative for Sub-Surface Dispersant Application
5/26/10 – 5/27/10	14,400	14,347	170,440
5/27/10 – 5/28/10	14,040	12,840	183,280
5/28/10 – 5/29/10	14,185	14,185	197,465
5/29/10 – 5/30/10	14,974	14,974	212,439
5/30/10 – 5/31/10	12,948	12,948	225,387
5/31/10 – 6/1/10	13,122	13,122	238,509
6/1/10 – 6/2/10	7,465	7,758	246,267
6/2/10 – 6/3/10	10,241	16,495	262,762
6/3/10 – 6/4/10	13,931	20,651	283,413
6/4/10 – 6/5/10	13,513	21,143	304,556
6/5/10 – 6/6/10	13,640	13,640	318,196
6/6/10 – 6/7/10	14,105	14,105	332,301
6/7/10 – 6/8/10	14,207	14,207	346,508
6/8/10 – 6/9/10	12,521	12,521	359,029
6/9/10 – 6/10/10	10,279	10,279	369,308
6/10/10 – 6/11/10	9,193	9,193	378,501
6/11/10 – 6/12/10	4,371	4,371	382,872

>>>
Monday 14 June update for: period from 2200 hrs on 6/12/10 to 2200 hrs on 6/13/10: Injection rate: Average not provided. Volume: 9,596 gallons (Total Cumulative 392,468 gallons)
The Ocean Veratas reported ETA for on- station is early am of 14 June to perform required sampling. The Brooks McCall departed station evening of Sunday 13 June for Port Fourchon.
>>>
Tuesday 15 June update: period from 2200hrsL on 6/13/10 to 2200hrsL on 6/14/10:
Injection rate average not provided. Period Volume: Subsea dispersant injected 9,689 gal,
Total Cumulative: 402,157 gals applied to date via sub-sea injection of dispersant.
The Ocean Veratas remains on-station for required sampling.
>>>
Wednesday 16 June update: period from 2200hrsL on 6/14/10 to 2200hrsL on 6/15/10:
Injection rate average not provided. Injection disrupted 1 time for a total of 44 min. Period Volume: 11, 578 gallons (Total Cumulative 413,922 gallons). The Ocean Veratas remains on station for required sampling.

[redacted]

From: [redacted]
Sent: Wednesday, June 09, 2010 10:45 AM
To: Lloyd, Anthony CAPT[redacted]NOAA; [redacted]; D08-DG-District-IMTWatch; Watson, James RADM; Hanzalik, James CAPT; Landry, Mary RADM; HQS-PF-fldr-NIC HQ Situation Unit; Little, Patrick CAPT; [redacted]; Hooper, Thomas CAPT; [redacted]
Subject: MC-252 Sub-Sea Dispersant Daily (0900L) POLREP UPDATE: Wednesday 09 JUNE 2010
Attachments: MS Canyon 252-Polrep 09 June 2010.doc

Categories: FYI

FYI & SA - Updates are highlighted in YELLOW since yesterdays update.

Note: The continued purpose of this POLREP is to update on a daily basis the following:

1) Major Start & Stop chronologic events for the Sub-Sea Dispersant Injection since it entered the conditional operational phase, and gallons dispersant injected per reporting period, and cumulative gallons dispersant injected to date.

2) Capture any O/S and Departure stats of monitoring vessels in support of the required monitoring protocols.

Summary of today's update below:
>>>
- 2200 hrs on 6/7/10 to 2200 hrs on 6/8/10:
- Injection rate: Average: Not provided. Injection disrupted 6 times (3 hours and 0 mins not injected)
- Volume: 14,207 gallons (Total Cumulative 345,867 gallons)
- NOTES: The cumulative value was adjusted in today's report update (Wed 09 JUNE) to reflect flow meter calibration issues that occurred between 6/2 and 6/5.

>>
- The Ocean Veratas is confirmed on-station since am of 08 June conducting the required sampling thru Wed and Thurs 9 and 10 June. It is scheduled to depart station pm of 10 June and return to Port Fourchon. The Brooks McCall is scheduled to transit from Port Fourchon on pm of 10 June, for an ETA on station sampling of early am 11 June.

>>

V/r
[redacted]
Eighth COAST Guard District (drm)
500 Poydras Street, Suite 1330
New Orleans, LA 70130
[redacted]

U.S. COAST GUARD / SITUATION REPORT
Mississippi Canyon 252 Sub-Sea Dispersant Injection Status POLREP

Unified Area Command (Robert, LA)

Subject: **POLREP # 1**
Initial (Update)

Mississippi Canyon 252 Sub-Sea Dispersant Injection Status

Latitude: 28.755286 **Longitude: -88.386402**

To: DIST

From: AREA COMMAND, ROBERT, LOUISIANA

Date: 5/17/2010

Reporting Period: 15 MAY - 08 June, 2010
Update: 0900 09 June 2010

1. Current Activities

1.1 Operations Section (Sub-Sea Dispersant Operations Only)

1.1.1 Narrative

As an emergent strategy, the application of sub-sea dispersants to mitigate the sea surface spreading of oil, has been implemented again (specifically the COREXIT 9500) is being injected into the expelling oil plume at the sea floor at the depth of 5,000 feet (the depth from surface of the MC 252 oil plume) at a rate of approximately 10 gallons per minute.

This is considered as an operational trial of the proof of concept method previously performed for this event in discrete test phases. Currently, BP has authority from the EPA and the Coast Guard per its Dispersant Monitoring Directive for Subsurface Dispersant Application dated 10 May 2010 and modified on 14 MAY 2010 as Addendum 1, to conduct sub-sea dispersant injection of COREXIT 9500. Additionally, stakeholders within the response effort continue to monitor any potential environmental impacts of these operations.

1.1.2 Co-Requisite Vessel Monitoring Requirements

The R/V BROOKS McCALL has been O/S since 5/15/2010, and is required to perform sampling in accordance with the 14 May 2010 Addendum 1 to the Dispersant Monitoring and Assessment Directive of 09 May both of which were signed and approved by FOSC RADM Mary Landry, an[redacted] Director of Superfund Division, EPA Region VI.

A brief summary of testing required to be performed is IAW the Dispersant Monitoring and Assessment Directive is as follows:

PART 1.

Towed Flourometer at 1 meter
LISST Particle Analysis at various intervals from surface to 550 meters
Dissolved Oxygen at various intervals from surface to 550 meters
CTD – Conductivity, Temperature, and depth at various intervals from surface to 550 meters
Water sampling from surface to 550 meters for PAH analysis
Aerial Visual Observation – Weather Permitting

PART 2.

Cast Flourometer – surface to sea floor
LISST Particle Analysis at various intervals from surface to the sea floor
CTD – Conductivity, Temperature, and depth at various intervals from surface to sea floor
Water sampling from surface to 550 meters for PAH analysis
Aerial Visual Observation
Rototox toxicity testing

UV- Fluorescence testing of Dispersant – Parameter Requirements

PART 3.

Type of Dispersant to be used
Rate of Dispersant Injection
Process for monitoring pump rate
Procedures for FOSC to start and stop injection

Note: Key additions to these protocols added on 14 May as requirements by Addendum I are as follow, but are not limited to the following:

- Sampling of dispersant/oil and oily waters must be continued, and in addition, baseline data of water without direct application of dispersant or oil shall also be collected by BP.
- BP Shall allow EPA/NOAA Scientists flexibility within the sampling plan to direct the collection of additional data based on field observations (at times and locations of their choice).
- BP shall use Turner Designs C3 Flourometer (e.g. SMART protocol) to distinguish between oil impacted surface waters and those not impacted by oil.
- BP shall use a CTD rosette package equipped with CDOM Flourometer and 2-way communication wire to ensure that EPA/NOAA scientists can view profile data as the rosette package is deployed to 1500 meters. In addition, the CDT rosette package must be capable of collecting discrete samples in water column using the live feed data system. The requirements must be met within 7 days for the RV Brooks McCall. All other vessels must immediately meet this requirement.
- BP shall deploy LISST from the vessel for continuous sampling of surface waters during transits, in order to provide particle size counts information which potentially distinguishes between dispersed and non-dispersed oil.
- Discrete water samples shall be taken by BP at predetermined depths as specified or directed by EPA/NOAA scientists for UV fluorescences.
- BP shall provide 48 hour advance notice for departure and trip duration timelines to the FOSC and the EPA RRT Co-Chair.
- Data reporting shall be conducted by BP on a daily basis. This reporting shall include a sample tracking table. Data reporting shall be provided by BP to the FOSC and the EPA RRT Co-Chair.

1.1.3 Evaluation Criteria to Determine Shut-Down of Subsurface Sea Dispersant Application

The Federal On-Scene Coordinator will immediately convene the Regional response Team (RRT) when either of the following conditions are reported:

1. If there is a significant reduction in DO from background to below 2 mg/L; or
2. If EPA's interpretation of the toxicity test reveals excessive exertion of a toxic response. To determine a measurable toxic response, BP must perform a rangefinder test since the collection of the sample will be directly from the toxic plume, and any sample from the plume will likely kill 100% of the test population. Therefore, the rangefinder must first be conducted to determine an order of magnitude dilution that gives a measurable response… EPA and NOAA will interpret the results of toxicity tests to inform determination of a shutdown decision.

1.1.4

Note: Sub-Sea Dispersant application (Operational Phase Chronology) has followed these major start-stop intervals since the approval of Addendum 1 on 14 May which established final sampling and shut-down protocols, agreed upon by USCG and EPA. There have been minor interruptions in this schedule to allow for operational & pumping concerns, but below summary represents the major intervals of operation at an approx rate of 10 gallons per minute when pumping:

Major Start and Stop times for Sub-Sea Dispersant Injection (Operational Phase)

- 0215L Central 15 MAY began pumping at 10 gallon per minute.
- 1419L Central 15 MAY stopped pumping to adjust injection wand. (When it became d dislodged)
- 7222 gallons COREXIT 9500 pumped this time period.

>>
- 1330L Central 16 MAY began pumping again at 10 gallon per minute.
- 0145L Central 17 MAY stopped pumping to reposition ship due to weather (Surface vessel is flaring and must remain upwind for surface ops) Then sub-surface dispersant injector wand needed to be re-positioned again to proceed.
- 12380 gallons COREXIT 9500 pumped this time period.

>>
- 1015L Central 17 MAY began pumping again. Duration of operational continuation is TBD.
- 0550L Central 18 MAY stopped pumping since the R/V BROOKS McCALL will be departing and temporarily preclude continuity of required sampling.
- 5250 gallons COREXIT pumped this time period.

>>
- 0700L Central 19 MAY (was the original expected time to resume sub-sea dispersant injection) as agreed upon by FOSC and EPA.
- 2113L Central 18 MAY (RADM Landry via coordinated discussion with [redacted] as well as EPA [redacted] Acting Office Director: Office of Emergency Management) decision made to re-start the Sub-Sea Dispersant injections beginning at 2110L Tuesday 18 MAY. However, when the dispersant surface vessel attempted to move on site, VOC levels were too high, so the vessel had to back off the site and return later. When the vessel returned evening of Tuesday 18 MAY, there was a mechanical issue with the Sub-Sea injection hose system which precluded the ability to resume Sub-Sea dispersant injections. Repairs were implemented and completed whereby injection was re-started for a short time at 0055L Central on Wednesday 19, MAY, and then stopped at 0340 10 gpm with only a total of 163 gallons dispensed this time period. Further details are TBD.

>>
- 2200 Central 19 MAY continued subsurface dispersant application through 2200 Central 20 MAY
- One disruption of injection from 2145 – 2158
- 14,210 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring
The vessel is currently expected to stay O/S thru Saturday in order to provide enough time to coordinate assignment and arrival of a relief vessel to support continued sampling and monitoring efforts.

>>
- 2200 Central 20 MAY continued subsurface dispersant application through 2200 Central 21 MAY
- No disruptions
- 14,440 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring
The vessel departed station at dusk to return to port; expected to arrive early on 22 May; restock, unload samples; expected to depart port late 22 May; arrive back on station early 23 May.
FOSC signed BP Request Waiver, allowing continuation of dispersant application without monitoring vessel present from Friday evening to Sunday morning.

>>
- 2200 Central 21 MAY continued subsurface dispersant application through 2200 Central 22 MAY
- No disruptions
- 14,130 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
Receipt of scintillation tubes and glass bottles will enable maintaining full functionality. Vessel completed refit of cable etc. for 'Real Time' CDT analyses with greater flexibility for picking/taking samples, and left Port Fourchon @ 1600h 5/22 and headed for spill site. New crew members briefed and new equipment/supplies stowed.

Trials of new gear initiated en route @ appx. 0200. Resumed progress to spill site where work will focus on the SW (more specifically WSW) quadrant to further characterize new plume. Expect to be at first station around 0800h.

>>

- **2200 Central 22 MAY continued subsurface dispersant application through 2200 Central 23 MAY**
- **No disruptions**
- **14,712 gallons of COREXIT pumped in this time period.**
- **Injection is still on-going at time of this POLREP Update**

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring

>>

- 2200 Central 23 MAY continued subsurface dispersant application through 2200 Central 24 MAY
- No disruptions
- 14,440 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

>>

Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring

>>>

- 2200 Central 24 MAY continued subsurface dispersant application through 2200 Central 25 MAY
- Subsea dispersant injection continued until approximately 2000, then restarted at approximately 0430 on 5/26
- 12,766 gallons of COREXIT pumped in this time period. (143,637 gallons cumulative)

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

Status of RV Brooks McCall:
- The vessel departed station at dusk to return to port; unload samples

Status of RV Veritas:
- The vessel is in port at Port Fourchon to taken on crew and equipment; expected to depart evening; arrive on station to get sampling by 0800 tomorrow morning.
- Start: 2200 5/25
- Stop: 2200 5/26
- Rate: 10 gpm
- Volume: 11,110 gallons (Total cumulative 155,436 gallons)
- Two disruptions for 21 minutes total.

>>>
- 2200 Central 25 MAY continued subsurface dispersant application through 2200 Central 26 MAY
- Two disruptions for 21 minutes total
- 11,110 gallons of COREXIT pumped in this time period. (155,436 gallons cumulative)

>>

Status of RV Brooks McCall:
- At port; depart again on 05/29/10 to sampling station

Status of RV Veritas:
- Arrived at station at 0600 on 05/27; depart from station on 05/29
- >>
- 2200 Central 26 MAY continued subsurface dispersant application through 2200 Central 27 MAY
- No disruptions
- 14,400 gallons of COREXIT pumped in this time period. (169,836 gallons cumulative)

>>

Status of RV Brooks McCall:
- At port; depart again on 05/29/10 to sampling station

Status of RV Veritas:
- On station collecting samples; depart from station on 05/29
- >>
- 2200 Central 27 MAY continued subsurface dispersant application through 2200 Central 28 MAY
- No disruptions
- 14,040 gallons of COREXIT pumped in this time period. (183,832 gallons cumulative)

>>

Status of RV Brooks McCall:
- At port; depart again on 05/29/10 to sampling station

Status of RV Veritas:
- On station collecting samples; depart from station on 05/29
- >>
- 2200 Central 29 MAY continued subsurface dispersant application through 2200 Central 30 MAY
- No disruptions
- 14,974 gallons of COREXIT pumped in this time period. (212,991 gallons cumulative)

>>

Status of RV Brooks McCall:
- Left port evening 05/29; on station 05/30 to begin sampling

Status of RV Veritas:
- Left station evening 05/29; at port 05/30
- >>>
- 2200 Central 30 MAY continued subsurface dispersant application through 2200 Central 31 MAY
- Rate: 10 gpm
- Volume: 12,948 gallons (Total Cumulative- 225,408 gallons)
- Disruptions: No disruptions reported.
- >>>
- The following represents a brief synopsis of vessel sampling activity:
- The Brooks-McCall was on station sampling from 30 MAY thru and including 01 JUNE, but will depart pm of 01 JUN; the Ocean-Veritas will depart Port Fourchon, LA, pm of 01 June, and be O/S to resume sampling at approx 0800L on 02 JUNE.

>>

- **2200 Central 31 MAY thru 1920 Central 01 JUNE, continued subsurface dispersant application**
- **Rate: 10 gpm**
- **Volume: 13,122 gallons (Total Cumulative- 238,530 gallons)**
- **Disruptions: Sub-Sea Injection of Dispersant was stopped at 1920 hours.**
- >>>
- **The following represents a brief synopsis of vessel sampling activity:**
- **The Ocean-Veritas is expected O/S to resume sampling at approx 0900L on 02 JUNE.**
- **>>**
- **Reporting Period 2200L 01 JUNE - 2200 02 JUNE:**
  Injection rate: 5 to 20 gal/min. Injection disrupted 7 times for SIMOPS (12 hours and 24 mins not injected)
- **Volume: 7,465 gallons (Total Cumulative thru 2200L 02 JUN: 245,975 gallons)**
- **The Ocean-Veritas remains O/S this reporting period.**
- **>>>>>>>>>>>>>>>>>>>>>>>>>>>**
- **Reporting Period 2200L 02 JUNE - 2200 03 JUNE:**
  Injection rate: 8 to 14 gal/min. Injection disrupted 2 times for SIMOPS (6 hours and 33 mins not injected)
- **Volume: 10,241 gallons (Total Cumulative 256,216 gallons)**
- >>>
- The **Ocean-Veritas remains O/S today (Friday 04 June).**
- **>>**
- Reporting Period: 2200L 03 JUNE - 2200L 04 JUNE 2010:
- Sub-Sea Dispersant Injection continues
- On 6/4/10 Injection rate 9 - 14 gallons per minute
- Injection disrupted 2 times for SIMOPS
- (0 hours and 55 minutes not injected)
- Volume: 13,931 gallons this period
- (TOTAL Cumulative: 270,668 gallons)
- >>
- The Ocean Veratas departed station pm of 04 JUNE 2010 for Port Fourchon
- The Brooks McCall departed Port Fourchon pm of 04 June for an ETA of early am Saturday 05 JUNE On Station to resume sub-sea sampling.
- >>
- Reporting Period: 2200L 04 JUNE – 2200L 05 JUNE 2010:
- Injection rate: 6 to 16 gal/min. Injection disrupted 2 times for SIMOPS (1 hour and 12 mins not injected)
  Volume: 13,513 gallons (Total Cumulative 284,193 gallons)
- The Brooks McCall was on-station since am of 05 JUNE and remains on-station for required sampling.
- >>>
  Reporting Period: 2200L 05 JUNE – 2200L 06 JUNE 2010:
- Injection rate: 9.8 gal/min. Injection disrupted 1 times for SIMOPS (0 hour and 45 mins not injected)
  Volume: 13,640 gallons (Total Cumulative 317,555 gallons)
- The Brooks McCall was on-station since am of 05 JUNE and remains on-station for required sampling.
- >>>
  Reporting Period: 2200L 06 JUNE – 2200L 07 JUNE 2010:
- Injection rate: Average not provided. Injection disrupted 4 times for SIMOPS (3 hours and 28 mins not injected)
  Volume: 14,105 gallons (Total Cumulative 331,660 gallons)
- >>>

- The Brooks McCall was on-station beginning am of 05 JUNE and scheduled to depart station pm of 07 JUNE for a return to Port Fourchon. The Ocean Veratas is confirmed on-station am of 08 June conducting the required sampling.

>>>

- 2200 hrs on 6/7/10 to 2200 hrs on 6/8/10:
- Injection rate: Average: Not provided. Injection disrupted 6 times (3 hours and 0 mins not injected)
- Volume: 14,207 gallons (Total Cumulative 345,867 gallons)
- NOTES: The cumulative value was adjusted in today's report update (Wed 09 JUNE) to reflect flow meter calibration issues that occurred between 6/2 and 6/5.

>>>

- The Ocean Veratas is confirmed on-station since am of 08 June conducting the required sampling thru Wed and Thurs 9 and 10 June. It is scheduled to depart station pm of 10 June and return to Port Fourchon. The Brooks McCall is scheduled to transit from Port Fourchon on pm of 10 June, for an ETA on station sampling of early am 11 June.

[redacted]

From: [redacted]
Sent: Tuesday, June 15, 2010 10:34 AM
To: Lloyd, Anthony CAPT; Charlie Henry-NOAA; [redacted] D08-DG-District-IMTWatch; Watson, James RADM; Hanzalik, James CAPT; Landry, Mary RADM; HQS-PF-fldr-NIC HQ Situation Unit; Little, Patrick CAPT; [redacted]; Hooper, Thomas CAPT; '[redacted]
Subject: MC-252 Sub-Sea Dispersant Daily (0900L) POLREP UPDATE: Tuesday 15 JUNE 2010
Attachments: MS Canyon 252-Polrep 15 June 2010.doc

FYI & SA - Updates are highlighted in YELLOW since yesterdays update.

Note: The continued purpose of this POLREP is to update on a daily basis the following:

1) Major Start & Stop chronologic events for the Sub-Sea Dispersant Injection since it entered the conditional operational phase, and gallons dispersant injected per reporting period, and cumulative gallons dispersant injected to date.

2) Capture any O/S and Departure stats of monitoring vessels in support of the required monitoring protocols.

Summary of today's update below:

>>>

Tuesday 15 June update: period from 2200hrsL on 6/13/10 to 2200hrsL on 6/14/10:
Injection rate average not provided. Period Volume: Subsea dispersant injected 9,689 gal,
Total Cumulative: 402,157 gals applied to date via sub-sea injection of dispersant.
The Ocean Veratas remains on-station for required sampling.

>>>

V/r
[redacted]
Eighth COAST Guard District (drm)
500 Poydras Street, Suite 1330
New Orleans, LA 70130
[redacted]

U.S. COAST GUARD / SITUATION REPORT
Mississippi Canyon 252 Sub-Sea Dispersant Injection Status POLREP

Unified Area Command (Robert, LA)

Subject: **POLREP # 1**
Initial (Update)

Mississippi Canyon 252 Sub-Sea Dispersant Injection Status

Latitude: 28.755286 **Longitude: -88.386402**

To: DIST

From: AREA COMMAND, ROBERT, LOUISIANA

Date: 5/17/2010

Reporting Period: 15 MAY - 14 June, 2010
Update: 0900 15 June 2010

1. Current Activities

1.1 Operations Section (Sub-Sea Dispersant Operations Only)

1.1.1 Narrative

As an emergent strategy, the application of sub-sea dispersants to mitigate the sea surface spreading of oil, has been implemented again (specifically the COREXIT 9500) is being injected into the expelling oil plume at the sea floor at the depth of 5,000 feet (the depth from surface of the MC 252 oil plume) at a rate of approximately 10 gallons per minute.

This is considered as an operational trial of the proof of concept method previously performed for this event in discrete test phases. Currently, BP has authority from the EPA and the Coast Guard per its Dispersant Monitoring Directive for Subsurface Dispersant Application dated 10 May 2010 and modified on 14 MAY 2010 as Addendum 1, to conduct sub-sea dispersant injection of COREXIT 9500. Additionally, stakeholders within the response effort continue to monitor any potential environmental impacts of these operations.

1.1.2 Co-Requisite Vessel Monitoring Requirements

The R/V BROOKS McCALL has been O/S since 5/15/2010, and is required to perform sampling in accordance with the 14 May 2010 Addendum 1 to the Dispersant Monitoring and Assessment Directive of 09 May both of which were signed and approved by FOSC RADM Mary Landry, and [redacted], Director of Superfund Division, EPA Region VI.

A brief summary of testing required to be performed is IAW the Dispersant Monitoring and Assessment Directive is as follows:

PART 1.

Towed Flourometer at 1 meter
LISST Particle Analysis at various intervals from surface to 550 meters
Dissolved Oxygen at various intervals from surface to 550 meters
CTD – Conductivity, Temperature, and depth at various intervals from surface to 550 meters
Water sampling from surface to 550 meters for PAH analysis
Aerial Visual Observation – Weather Permitting

PART 2.

Cast Flourometer – surface to sea floor
LISST Particle Analysis at various intervals from surface to the sea floor
CTD – Conductivity, Temperature, and depth at various intervals from surface to sea floor
Water sampling from surface to 550 meters for PAH analysis
Aerial Visual Observation
Rototox toxicity testing

UV- Fluorescence testing of Dispersant – Parameter Requirements

PART 3.

Type of Dispersant to be used
Rate of Dispersant Injection
Process for monitoring pump rate
Procedures for FOSC to start and stop injection

Note: Key additions to these protocols added on 14 May as requirements by Addendum I are as follow, but are not limited to the following:

- Sampling of dispersant/oil and oily waters must be continued, and in addition, baseline data of water without direct application of dispersant or oil shall also be collected by BP.
- BP Shall allow EPA/NOAA Scientists flexibility within the sampling plan to direct the collection of additional data based on field observations (at times and locations of their choice).
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1.1.3 Evaluation Criteria to Determine Shut-Down of Subsurface Sea Dispersant Application

The Federal On-Scene Coordinator will immediately convene the Regional response Team (RRT) when either of the following conditions are reported:

1. If there is a significant reduction in DO from background to below 2 mg/L; or
2. If EPA's interpretation of the toxicity test reveals excessive exertion of a toxic response. To determine a measurable toxic response, BP must perform a rangefinder test since the collection of the sample will be directly from the toxic plume, and any sample from the plume will likely kill 100% of the test population. Therefore, the rangefinder must first be conducted to determine an order of magnitude dilution that gives a measurable response… EPA and NOAA will interpret the results of toxicity tests to inform determination of a shutdown decision.

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Note: Sub-Sea Dispersant application (Operational Phase Chronology) has followed these major start-stop intervals since the approval of Addendum 1 on 14 May which established final sampling and shut-down protocols, agreed upon by USCG and EPA. There have been minor interruptions in this schedule to allow for operational & pumping concerns, but below summary represents the major intervals of operation at an approx rate of 10 gallons per minute when pumping:

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- 0215L Central 15 MAY began pumping at 10 gallon per minute.
- 1419L Central 15 MAY stopped pumping to adjust injection wand. (When it became d dislodged)
- 7222 gallons COREXIT 9500 pumped this time period.

>>

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- 0145L Central 17 MAY stopped pumping to reposition ship due to weather (Surface vessel is flaring and must remain upwind for surface ops) Then sub-surface dispersant injector wand needed to be re-positioned again to proceed.
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- 2113L Central 18 MAY (RADM Landry via coordinated discussion with [redacted], as well as EPA [redacted] Acting Office Director: Office of Emergency Management) decision made to re-start the Sub-Sea Dispersant injections beginning at 2110L Tuesday 18 MAY. However, when the dispersant surface vessel attempted to move on site, VOC levels were too high, so the vessel had to back off the site and return later. When the vessel returned evening of Tuesday 18 MAY, there was a mechanical issue with the Sub-Sea injection hose system which precluded the ability to resume Sub-Sea dispersant injections. Repairs were implemented and completed whereby injection was re-started for a short time at 0055L Central on Wednesday 19, MAY, and then stopped at 0340 10 gpm with only a total of 163 gallons dispensed this time period. Further details are TBD.

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- 2200 Central 19 MAY continued subsurface dispersant application through 2200 Central 20 MAY
- One disruption of injection from 2145 – 2158
- 14,210 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

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Status of RV BROOKS McCALL:
VSL was O/S during injection application to perform Sampling & Monitoring
The vessel is currently expected to stay O/S thru Saturday in order to provide enough time to coordinate assignment and arrival of a relief vessel to support continued sampling and monitoring efforts.

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- No disruptions
- 14,440 gallons of COREXIT pumped in this time period.
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Status of RV BROOKS McCALL:
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The vessel departed station at dusk to return to port; expected to arrive early on 22 May; restock, unload samples; expected to depart port late 22 May; arrive back on station early 23 May.
FOSC signed BP Request Waiver, allowing continuation of dispersant application without monitoring vessel present from Friday evening to Sunday morning.

>>

- 2200 Central 21 MAY continued subsurface dispersant application through 2200 Central 22 MAY
- No disruptions
- 14,130 gallons of COREXIT pumped in this time period.
- Injection is still on-going at time of this POLREP Update

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Status of RV BROOKS McCALL:

Receipt of scintillation tubes and glass bottles will enable maintaining full functionality. Vessel completed refit of cable etc. for 'Real Time' CDT analyses with greater flexibility for picking/taking samples, and left Port Fourchon @ 1600h 5/22 and headed for spill site. New crew members briefed and new equipment/supplies stowed.

Trials of new gear initiated en route @ appx. 0200. Resumed progress to spill site where work will focus on the SW (more specifically WSW) quadrant to further characterize new plume. Expect to be at first station around 0800h.

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- 14,712 gallons of COREXIT pumped in this time period.
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Status of RV BROOKS McCALL:

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- 2200 Central 23 MAY continued subsurface dispersant application through 2200 Central 24 MAY
- No disruptions
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- Injection is still on-going at time of this POLREP Update

>>>

Status of RV BROOKS McCALL:

VSL was O/S during injection application to perform Sampling & Monitoring

>>

- 2200 Central 24 MAY continued subsurface dispersant application through 2200 Central 25 MAY
- Subsea dispersant injection continued until approximately 2000, then restarted at approximately 0430 on 5/26
- 12,766 gallons of COREXIT pumped in this time period. (143,637 gallons cumulative)

>>>

Status of RV Brooks McCall:

- The vessel departed station at dusk to return to port; unload samples

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- The vessel is in port at Port Fourchon to taken on crew and equipment; expected to depart evening; arrive on station to get sampling by 0800 tomorrow morning.
- Start: 2200 5/25
- Stop: 2200 5/26
- Rate: 10 gpm
- Volume: 11,110 gallons (Total cumulative 155,436 gallons)
- Two disruptions for 21 minutes total.

>>
- 2200 Central 25 MAY continued subsurface dispersant application through 2200 Central 26 MAY
- Two disruptions for 21 minutes total
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Status of RV Brooks McCall:
- At port; depart again on 05/29/10 to sampling station

Status of RV Veritas:
- Arrived at station at 0600 on 05/27; depart from station on 05/29
- >>
- 2200 Central 26 MAY continued subsurface dispersant application through 2200 Central 27 MAY
- No disruptions
- 14,400 gallons of COREXIT pumped in this time period. (169,836 gallons cumulative)

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Status of RV Brooks McCall:
- At port; depart again on 05/29/10 to sampling station

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- No disruptions
- 14,974 gallons of COREXIT pumped in this time period. (212,991 gallons cumulative)

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Status of RV Brooks McCall:
- Left port evening 05/29; on station 05/30 to begin sampling

Status of RV Veritas:
- Left station evening 05/29; at port 05/30
- >>
- 2200 Central 30 MAY continued subsurface dispersant application through 2200 Central 31 MAY

Rate: 10 gpm
Volume: 12,948 gallons (Total Cumulative- 225,408 gallons)
Disruptions: No disruptions reported.

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The following represents a brief synopsis of vessel sampling activity:
The Brooks-McCall was on station sampling from 30 MAY thru and including 01 JUNE, but will depart pm of 01 JUN; the Ocean-Veritas will depart Port Fourchon, LA, pm of 01 June, and be O/S to resume sampling at approx 0800L on 02 JUNE.

>>

- 2200 Central 31 MAY thru 1920 Central 01 JUNE, continued subsurface dispersant application

Rate: 10 gpm
Volume: 13,122 gallons (Total Cumulative- 238,530 gallons)
Disruptions: Sub-Sea Injection of Dispersant was stopped at 1920 hours.

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. The following represents a brief synopsis of vessel sampling activity:

The Ocean-Veritas is expected O/S to resume sampling at approx 0900L on 02 JUNE.
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Reporting Period 2200L 01 JUNE – 2200 02 JUNE:
Injection rate: 5 to 20 gal/min. Injection disrupted 7 times for SIMOPS (12 hours and 24 mins not injected)
Volume: 7,465 gallons (Total Cumulative thru 2200L 02 JUN: 245,975 gallons)
The Ocean-Veritas remains O/S this reporting period.
>>>>>>>>>>>>>>>>>>>>>>>>>>>
Reporting Period 2200L 02 JUNE – 2200 03 JUNE:
Injection rate: 8 to 14 gal/min. Injection disrupted 2 times for SIMOPS (6 hours and 33 mins not injected)
Volume: 10,241 gallons (Total Cumulative 256,216 gallons)
>>
The Ocean-Veritas remains O/S today (Friday 04 June).
>>>
Reporting Period: 2200L 03 JUNE – 2200L 04 JUNE 2010:
Sub-Sea Dispersant Injection continues
On 6/4/10 Injection rate 9 – 14 gallons per minute
Injection disrupted 2 times for SIMOPS
(0 hours and 55 minutes not injected)
Volume: 13,931 gallons this period
(TOTAL Cumulative: 270,668 gallons)
>>>
The Ocean Veratas departed station pm of 04 JUNE 2010 for Port Fourchon
The Brooks McCall departed Port Fourchon pm of 04 June for an ETA of early am Saturday 05 JUNE 0n Station to resume sub-sea sampling.
>>>
Reporting Period: 2200L 04 JUNE – 2200L 05 JUNE 2010:
Injection rate: 6 to 16 gal/min. Injection disrupted 2 times for SIMOPS (1 hour and 12 mins not injected)
Volume: 13,513 gallons (Total Cumulative 284,193 gallons)
The Brooks McCall was on-station since am of 05 JUNE and remains on-station for required sampling.
>>>
Reporting Period: 2200L 05 JUNE – 2200L 06 JUNE 2010:
Injection rate: 9.8 gal/min. Injection disrupted 1 times for SIMOPS (0 hour and 45 mins not injected)
Volume: 13,640 gallons (Total Cumulative 317,555 gallons)
The Brooks McCall was on-station since am of 05 JUNE and remains on-station for required sampling.
>>>
Reporting Period: 2200L 06 JUNE – 2200L 07 JUNE 2010:
Injection rate: Average not provided. Injection disrupted 4 times for SIMOPS (3 hours and 28 mins not injected)
Volume: 14,105 gallons (Total Cumulative 331,660 gallons)
>>
The Brooks McCall was on-station beginning am of 05 JUNE and scheduled to depart station pm of 07 JUNE for a return to Port Fourchon. The Ocean Veratas is confirmed on-station am of 08 June conducting the required sampling.
>>
- 2200 hrs on 6/7/10 to 2200 hrs on 6/8/10:
Injection rate: Average: Not provided. Injection disrupted 6 times (3 hours and 0 mins not injected)
Volume: 14,207 gallons (Total Cumulative 345,867 gallons)
NOTES: The cumulative value was adjusted in today's report update (Wed 09 JUNE) to reflect flow meter calibration issues that occurred between 6/2 and 6/5.
>>
The Ocean Veratas is confirmed on-station since am of 08 June conducting the required sampling thru Wed and Thurs 9 and 10 June. It is scheduled to depart station pm of 10 June and return to Port Fourchon. The Brooks

McCall is scheduled to transit from Port Fourchon on pm of 10 June, for an ETA on station sampling of early am 11 June.

>>

Period: 2200 hrs on 6/8/10 to 2200 hrs on 6/9/10:
Injection rate: Average not provided. Injection disrupted 1 time for a total of 17 min
Period Volume: 12,521 gallons (Total Cumulative 358,388 gallons)

>>>

The Ocean Veratas remains on-station thru pm of 10 June for departure to Port Fourchon. The Brooks McCall is scheduled to depart Port Fourchon pm of 10 June for an on-station ETA of early am 11 June for required sampling.

>>>

Period: 2200 hrs on 6/09/10 to 2200 hrs on 6/10/10:
Injection rate: Average not provided.
Injection disrupted 1 time for a total of 10 min
Period Volume: 10,279 gallons (Approx: Total Cumulative* 368,667 gallons)
Note*: Cumulative remains an approximate at this time with a delta of plus or minus approx 10,000 gallons as the flow meter was adjusted and calibrated earlier in the week, and BP engineers are expected to report a revised cumulative due to the calibration issues. The total period volume previously reported 2200L 6/5/10 – 2200L 6/6/10 is expected to be revised as well for the Saturday 12 June 0900L POLREP Update.

>>>

The Ocean Veratas departed station pm of 10 June for Port Fourchon.
The Brooks McCall is on-station since am of 11 June conducting required sampling.

>>>

Saturday 12 June Update: BP sub-sea engineering staff continue to deconflict some previously reported daily totals due to the flow meter calibration reported on an earlier update. When corrected values are obtained, details will be provided.

>>>

Period: 2200 hrs on 6/10/10 to 2200 hrs on 6/11/10:
Injection rate: Average not provided. Injection disrupted 6 times for a total of 2:12 hrs/mins
Period Volume: 9193 gallons (Total Cumulative 378,501 gallons). Sub Sea dispersant cumulative total was adjusted up by 641 gallons. Over 3 days (June 2-4). The Brooks McCall remains on-station for required sampling.

>>
Sunday 13 June Update for: Period from 2200 hrs on 6/11/10 to 2200 hrs on 6/12/10: Injection rate: Average not provided. Injection disrupted numerous times for a total of 12:50 hrs/mins Volume: 4371 gallons (Total Cumulative 382,872 gallons) The Brooks McCall will remain on station thru pm today (Sunday 13 June) for required sampling. The Ocean Veratas is expected on station am 14 June.

The following table documents some recalculated values by BP engineers due to flow meter calibration issues as well as a reported safety excursion that was employed 6/3/10 – 6/5/10, where the volume was increased during that period.

2200L – 2200L Period Dates	Previous Period Total Reported (i.e. numbers reported prior to calibration)	Recalculated Period Total due to flow Meter Calibration	Recalculated Cumulative for Sub-Surface Dispersant Application
5/26/10 – 5/27/10	14,400	14,347	170,440
5/27/10 – 5/28/10	14,040	12,840	183,280
5/28/10 – 5/29/10	14,185	14,185	197,465
5/29/10 – 5/30/10	14,974	14,974	212,439
5/30/10 – 5/31/10	12,948	12,948	225,387
5/31/10 – 6/1/10	13,122	13,122	238,509
6/1/10 – 6/2/10	7,465	7,758	246,267
6/2/10 – 6/3/10	10,241	16,495	262,762
6/3/10 – 6/4/10	13,931	20,651	283,413
6/4/10 – 6/5/10	13,513	21,143	304,556
6/5/10 – 6/6/10	13,640	13,640	318,196
6/6/10 – 6/7/10	14,105	14,105	332,301
6/7/10 – 6/8/10	14,207	14,207	346,508
6/8/10 – 6/9/10	12,521	12,521	359,029
6/9/10 – 6/10/10	10,279	10,279	369,308
6/10/10 – 6/11/10	9,193	9,193	378,501
6/11/10 – 6/12/10	4,371	4,371	382,872

>>>
Monday 14 June update for: period from 2200 hrs on 6/12/10 to 2200 hrs on 6/13/10: Injection rate: Average not provided. Volume: 9,596 gallons (Total Cumulative 392,468 gallons)
The Ocean Veratas reported ETA for on- station is early am of 14 June to perform required sampling. The Brooks McCall departed station evening of Sunday 13 June for Port Fourchon.
>>>
Tuesday 15 June update: period from 2200hrsL on 6/13/10 to 2200hrsL on 6/14/10:
Injection rate average not provided. Period Volume: Subsea dispersant injected 9,689 gal,
Total Cumulative: 402,157 gals applied to date via sub-sea injection of dispersant.
The Ocean Veratas remains on-station for required sampling.

[redacted]

From: [redacted]
Sent: Thursday, June 17, 2010 11:36 AM
To: Lloyd, Anthony CAPT; [redacted]-NOAA; D08-DG-District-IMTWatch; Watson, James RADM; Hanzalik, James CAPT; Landry, Mary RADM; HQS-PF-fldr-NIC HQ Situation Unit; Little, Patrick CAPT; Perry, Raymond CAPT; [redacted] Hooper, Thomas CAPT; [redacted]
Subject: MC-252 Sub-Sea Dispersant Daily (0900L) POLREP UPDATE: Thursday 17 JUNE 2010
Attachments: MS Canyon 252-Polrep 17 June 2010.doc

Categories: FYI

FYI & SA - Updates are highlighted in YELLOW since yesterdays update.

Note: The continued purpose of this POLREP is to update on a daily basis the following:

1) Major Start & Stop chronologic events for the Sub-Sea Dispersant Injection since it entered the conditional operational phase, and gallons dispersant injected per reporting period, and cumulative gallons dispersant injected to date.

2) Capture any O/S and Departure stats of monitoring vessels in support of the required monitoring protocols.

Summary of today's update below:

>>>
Thursday 17 June update: period from 2200hrsL on 6/15/10 to 2200hrsL on 6/16/10: Injection rate average not provided. Number and time period of injection disruptions also not provided this reporting interval. Period Volume: 9152 gallons (Total Cumulative 423,074 gallons). The Brooks McCall is on station starting am 17 June for required sampling. The Ocean Veratas departed station pm of 16 June.>>>

V/r
[redacted]

Eighth Coast Guard District (drm)
500 Poydras Street, Suite 1330
New Orleans, LA 70130
[redacted]

U.S. COAST GUARD / SITUATION REPORT
Mississippi Canyon 252 Sub-Sea Dispersant Injection Status POLREP

Unified Area Command (Robert, LA)

Subject: **POLREP # 1**
Initial (Update)

Mississippi Canyon 252 Sub-Sea Dispersant Injection Status

Latitude: 28.755286 **Longitude: -88.386402**

To: DIST

From: AREA COMMAND, ROBERT, LOUISIANA

Date: 5/17/2010

Reporting Period: 15 MAY - 16 June, 2010
Update: 0900 17 June 2010

1. Current Activities

1.1 Operations Section (Sub-Sea Dispersant Operations Only)

1.1.1 Narrative

As an emergent strategy, the application of sub-sea dispersants to mitigate the sea surface spreading of oil, has been implemented again (specifically the COREXIT 9500) is being injected into the expelling oil plume at the sea floor at the depth of 5,000 feet (the depth from surface of the MC 252 oil plume) at a rate of approximately 10 gallons per minute.

This is considered as an operational trial of the proof of concept method previously performed for this event in discrete test phases. Currently, BP has authority from the EPA and the Coast Guard per its Dispersant Monitoring Directive for Subsurface Dispersant Application dated 10 May 2010 and modified on 14 MAY 2010 as Addendum 1, to conduct sub-sea dispersant injection of COREXIT 9500. Additionally, stakeholders within the response effort continue to monitor any potential environmental impacts of these operations.

1.1.2 Co-Requisite Vessel Monitoring Requirements

The R/V BROOKS McCALL has been O/S since 5/15/2010, and is required to perform sampling in accordance with the 14 May 2010 Addendum 1 to the Dispersant Monitoring and Assessment Directive of 09 May both of which were signed and approved by FOSC RADM Mary Landry, and [redacted] Director of Superfund Division, EPA Region VI.

A brief summary of testing required to be performed is IAW the Dispersant Monitoring and Assessment Directive is as follows:

PART 1.

Towed Flourometer at 1 meter
LISST Particle Analysis at various intervals from surface to 550 meters
Dissolved Oxygen at various intervals from surface to 550 meters
CTD – Conductivity, Temperature, and depth at various intervals from surface to 550 meters
Water sampling from surface to 550 meters for PAH analysis
Aerial Visual Observation – Weather Permitting

PART 2.

Cast Flourometer – surface to sea floor
LISST Particle Analysis at various intervals from surface to the sea floor
CTD – Conductivity, Temperature, and depth at various intervals from surface to sea floor
Water sampling from surface to 550 meters for PAH analysis
Aerial Visual Observation
Rototox toxicity testing

UV- Fluorescence testing of Dispersant – Parameter Requirements

PART 3.

Type of Dispersant to be used
Rate of Dispersant Injection
Process for monitoring pump rate
Procedures for FOSC to start and stop injection

Note: Key additions to these protocols added on 14 May as requirements by Addendum I are as follow, but are not limited to the following:

- Sampling of dispersant/oil and oily waters must be continued, and in addition, baseline data of water without direct application of dispersant or oil shall also be collected by BP.
- BP Shall allow EPA/NOAA Scientists flexibility within the sampling plan to direct the collection of additional data based on field observations (at times and locations of their choice).
- BP shall use Turner Designs C3 Flourometer (e.g. SMART protocol) to distinguish between oil impacted surface waters and those not impacted by oil.
- BP shall use a CTD rosette package equipped with CDOM Flourometer and 2-way communication wire to ensure that EPA/NOAA scientists can view profile data as the rosette package is deployed to 1500 meters. In addition, the CDT rosette package must be capable of collecting discrete samples in water column using the live feed data system. The requirements must be met within 7 days for the RV Brooks McCall. All other vessels must immediately meet this requirement.
- BP shall deploy LISST from the vessel for continuous sampling of surface waters during transits, in order to provide particle size counts information which potentially distinguishes between dispersed and non-dispersed oil.
- Discrete water samples shall be taken by BP at predetermined depths as specified or directed by EPA/NOAA scientists for UV fluorescences.
- BP shall provide 48 hour advance notice for departure and trip duration timelines to the FOSC and the EPA RRT Co-Chair.
- Data reporting shall be conducted by BP on a daily basis. This reporting shall include a sample tracking table. Data reporting shall be provided by BP to the FOSC and the EPA RRT Co-Chair.

1.1.3 Evaluation Criteria to Determine Shut-Down of Subsurface Sea Dispersant Application

The Federal On-Scene Coordinator will immediately convene the Regional response Team (RRT) when either of the following conditions are reported:

1. If there is a significant reduction in DO from background to below 2 mg/L; or
2. If EPA's interpretation of the toxicity test reveals excessive exertion of a toxic response. To determine a measurable toxic response, BP must perform a rangefinder test since the collection of the sample will be directly from the toxic plume, and any sample from the plume will likely kill 100% of the test population. Therefore, the rangefinder must first be conducted to determine an order of magnitude dilution that gives a measurable response… EPA and NOAA will interpret the results of toxicity tests to inform determination of a shutdown decision.

1.1.4

Note: Sub-Sea Dispersant application (Operational Phase Chronology) has followed these major start-stop intervals since the approval of Addendum 1 on 14 May which established final sampling and shut-down protocols, agreed upon by USCG and EPA. There have been minor interruptions in this schedule to allow for operational & pumping concerns, but below summary represents the major intervals of operation at an approx rate of 10 gallons per minute when pumping:

Major Start and Stop times for Sub-Sea Dispersant Injection (Operational Phase)

- 0215L Central 15 MAY began pumping at 10 gallon per minute.
- 1419L Central 15 MAY stopped pumping to adjust injection wand. (When it became d dislodged)
- 7222 gallons COREXIT 9500 pumped this time period.

>>

- 1330L Central 16 MAY began pumping again at 10 gallon per minute.
- 0145L Central 17 MAY stopped pumping to reposition ship due to weather (Surface vessel is flaring and must remain upwind for surface ops) Then sub-surface dispersant injector wand needed to be re-positioned again to proceed.
- 12380 gallons COREXIT 9500 pumped this time period.

>>>

- 1015L Central 17 MAY began pumping again. Duration of operational continuation is TBD.
- 0550L Central 18 MAY stopped pumping since the R/V BROOKS McCALL will be departing and temporarily preclude continuity of required sampling.
- 5250 gallons COREXIT pumped this time period.

>>>

- 0700L Central 19 MAY (was the original expected time to resume sub-sea dispersant injection) as agreed upon by FOSC and EPA.
- 2113L Central 18 MAY (RADM Landry via coordinated discussion with [redacted] as well as EPA [redacted] Acting Office Director: Office of Emergency Management) decision made to re-start the Sub-Sea Dispersant injections beginning at 2110L Tuesday 18 MAY. However, when the dispersant surface vessel attempted to move on site, VOC levels were too high, so the vessel had to back off the site and return later. When the vessel returned evening of Tuesday 18 MAY, there was a mechanical issue with the Sub-Sea injection hose system which precluded the ability to resume Sub-Sea dispersant injections. Repairs were implemented and completed whereby injection was re-started for a short time at 0055L Central on Wednesday 19, MAY, and then stopped at 0340 10 gpm with only a total of 163 gallons dispensed this time period. Further details are TBD.

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The vessel is currently expected to stay O/S thru Saturday in order to provide enough time to coordinate assignment and arrival of a relief vessel to support continued sampling and monitoring efforts.

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FOSC signed BP Request Waiver, allowing continuation of dispersant application without monitoring vessel present from Friday evening to Sunday morning.

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Trials of new gear initiated en route @ appx. 0200. Resumed progress to spill site where work will focus on the SW (more specifically WSW) quadrant to further characterize new plume. Expect to be at first station around 0800h.

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- The vessel departed station at dusk to return to port; unload samples

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- The vessel is in port at Port Fourchon to taken on crew and equipment; expected to depart evening; arrive on station to get sampling by 0800 tomorrow morning.
- Start: 2200 5/25
- Stop: 2200 5/26
- Rate: 10 gpm
- Volume: 11,110 gallons (Total cumulative 155,436 gallons)
- Two disruptions for 21 minutes total.

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- Arrived at station at 0600 on 05/27; depart from station on 05/29
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Volume: 10,241 gallons (Total Cumulative 256,216 gallons)
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The Ocean-Veritas remains O/S today (Friday 04 June).
>>

Reporting Period: 2200L 03 JUNE – 2200L 04 JUNE 2010:
Sub-Sea Dispersant Injection continues
On 6/4/10 Injection rate 9 – 14 gallons per minute
Injection disrupted 2 times for SIMOPS
(0 hours and 55 minutes not injected)
Volume: 13,931 gallons this period
(TOTAL Cumulative: 270,668 gallons)
>>

The Ocean Veratas departed station pm of 04 JUNE 2010 for Port Fourchon
The Brooks McCall departed Port Fourchon pm of 04 June for an ETA of early am Saturday 05 JUNE 0n Station to resume sub-sea sampling.
>>

Reporting Period: 2200L 04 JUNE – 2200L 05 JUNE 2010:
Injection rate: 6 to 16 gal/min. Injection disrupted 2 times for SIMOPS (1 hour and 12 mins not injected)
Volume: 13,513 gallons (Total Cumulative 284,193 gallons)
The Brooks McCall was on-station since am of 05 JUNE and remains on-station for required sampling.
>>

Reporting Period: 2200L 05 JUNE – 2200L 06 JUNE 2010:
Injection rate: 9.8 gal/min. Injection disrupted 1 times for SIMOPS (0 hour and 45 mins not injected)
Volume: 13,640 gallons (Total Cumulative 317,555 gallons)
The Brooks McCall was on-station since am of 05 JUNE and remains on-station for required sampling.
>>

Reporting Period: 2200L 06 JUNE – 2200L 07 JUNE 2010:
Injection rate: Average not provided. Injection disrupted 4 times for SIMOPS (3 hours and 28 mins not injected)
Volume: 14,105 gallons (Total Cumulative 331,660 gallons)
>>>

The Brooks McCall was on-station beginning am of 05 JUNE and scheduled to depart station pm of 07 JUNE for a return to Port Fourchon. The Ocean Veratas is confirmed on-station am of 08 June conducting the required sampling.
>>>

- 2200 hrs on 6/7/10 to 2200 hrs on 6/8/10:
Injection rate: Average: Not provided. Injection disrupted 6 times (3 hours and 0 mins not injected)
Volume: 14,207 gallons (Total Cumulative 345,867 gallons)
NOTES: The cumulative value was adjusted in today's report update (Wed 09 JUNE) to reflect flow meter calibration issues that occurred between 6/2 and 6/5.
>>>

The Ocean Veratas is confirmed on-station since am of 08 June conducting the required sampling thru Wed and Thurs 9 and 10 June. It is scheduled to depart station pm of 10 June and return to Port Fourchon. The Brooks

McCall is scheduled to transit from Port Fourchon on pm of 10 June, for an ETA on station sampling of early am 11 June.
>>
Period: 2200 hrs on 6/8/10 to 2200 hrs on 6/9/10:
Injection rate: Average not provided. Injection disrupted 1 time for a total of 17 min
Period Volume: 12,521 gallons (Total Cumulative 358,388 gallons)
>>
The Ocean Veratas remains on-station thru pm of 10 June for departure to Port Fourchon. The Brooks McCall is scheduled to depart Port Fourchon pm of 10 June for an on-station ETA of early am 11 June for required sampling.
>>
Period: 2200 hrs on 6/09/10 to 2200 hrs on 6/10/10:
Injection rate: Average not provided.
Injection disrupted 1 time for a total of 10 min
Period Volume: 10,279 gallons (Approx: Total Cumulative* 368,667 gallons)
Note*: Cumulative remains an approximate at this time with a delta of plus or minus approx 10,000 gallons as the flow meter was adjusted and calibrated earlier in the week, and BP engineers are expected to report a revised cumulative due to the calibration issues. The total period volume previously reported 2200L 6/5/10 – 2200L 6/6/10 is expected to be revised as well for the Saturday 12 June 0900L POLREP Update.
>>
The Ocean Veratas departed station pm of 10 June for Port Fourchon.
The Brooks McCall is on-station since am of 11 June conducting required sampling.
>>
Saturday 12 June Update: BP sub-sea engineering staff continue to deconflict some previously reported daily totals due to the flow meter calibration reported on an earlier update. When corrected values are obtained, details will be provided.
>>
Period: 2200 hrs on 6/10/10 to 2200 hrs on 6/11/10:
Injection rate: Average not provided. Injection disrupted 6 times for a total of 2:12 hrs/mins
Period Volume: 9193 gallons (Total Cumulative 378,501 gallons). Sub Sea dispersant cumulative total was adjusted up by 641 gallons. Over 3 days (June 2-4). The Brooks McCall remains on-station for required sampling.

>>

Sunday 13 June Update for: Period from 2200 hrs on 6/11/10 to 2200 hrs on 6/12/10: Injection rate: Average not provided. Injection disrupted numerous times for a total of 12:50 hrs/mins Volume: 4371 gallons (Total Cumulative 382,872 gallons) The Brooks McCall will remain on station thru pm today (Sunday 13 June) for required sampling. The Ocean Veratas is expected on station am 14 June.

The following table documents some recalculated values by BP engineers due to flow meter calibration issues as well as a reported safety excursion that was employed 6/3/10 – 6/5/10, where the volume was increased during that period.

2200L – 2200L Period Dates	Previous Period Total Reported (i.e. numbers reported prior to calibration)	Recalculated Period Total due to flow Meter Calibration	Recalculated Cumulative for Sub-Surface Dispersant Application
5/26/10 – 5/27/10	14,400	14,347	170,440
5/27/10 – 5/28/10	14,040	12,840	183,280
5/28/10 – 5/29/10	14,185	14,185	197,465
5/29/10 – 5/30/10	14,974	14,974	212,439
5/30/10 – 5/31/10	12,948	12,948	225,387
5/31/10 – 6/1/10	13,122	13,122	238,509
6/1/10 – 6/2/10	7,465	7,758	246,267
6/2/10 – 6/3/10	10,241	16,495	262,762
6/3/10 – 6/4/10	13,931	20,651	283,413
6/4/10 – 6/5/10	13,513	21,143	304,556
6/5/10 – 6/6/10	13,640	13,640	318,196
6/6/10 – 6/7/10	14,105	14,105	332,301
6/7/10 – 6/8/10	14,207	14,207	346,508
6/8/10 – 6/9/10	12,521	12,521	359,029
6/9/10 – 6/10/10	10,279	10,279	369,308
6/10/10 – 6/11/10	9,193	9,193	378,501
6/11/10 – 6/12/10	4,371	4,371	382,872

>>

Monday 14 June update for: period from 2200 hrs on 6/12/10 to 2200 hrs on 6/13/10: Injection rate: Average not provided. Volume: 9,596 gallons (Total Cumulative 392,468 gallons)
The Ocean Veratas reported ETA for on- station is early am of 14 June to perform required sampling. The Brooks McCall departed station evening of Sunday 13 June for Port Fourchon.

>>

Tuesday 15 June update: period from 2200hrsL on 6/13/10 to 2200hrsL on 6/14/10:
Injection rate average not provided. Period Volume: Subsea dispersant injected 9,689 gal,
Total Cumulative: 402,157 gals applied to date via sub-sea injection of dispersant.
The Ocean Veratas remains on-station for required sampling.

>>

Wednesday 16 June update: period from 2200hrsL on 6/14/10 to 2200hrsL on 6/15/10:
Injection rate average not provided. Injection disrupted 1 time for a total of 44 min. Period Volume: 11, 578 gallons (Total Cumulative 413,922 gallons). The Ocean Veratas remains on station for required sampling.

Thursday 17 June update: period from 2200hrsL on 6/15/10 to 2200hrsL on 6/16/10:
Injection rate average not provided. Number and time period of injection disruptions also not provided this reporting interval. Period Volume: 9152 gallons (Total Cumulative 423,074 gallons). The Brooks McCall is on station starting am 17 June for required sampling. The Ocean Veratas departed station pm of 16 June.

[redacted]

From: NIC-DOCS
Sent: Wednesday, June 30, 2010 4:21 PM
To: HQS-DG-LST-NIC-Situation Briefing
Cc: Rogers, Jim; HQS-PF-fldr-NIC HQ Situation Unit; 'osd.watch@osd.mil'; [redacted]; 'dwh.dhs'; 'dwh.noaa'; [redacted] 'Joint.Staff'; [redacted]; National Command Center; 'NGA.cat'; 'nga.ic.cat'; 'nga.smil.cat'; 'NOC.imo'; NOC SWO Restricted; NOC SWO; 'NOC.uscg'; OPS CAT; 'SBS-All'; 'tina.eichenour'
Subject: National Incident Commander 1600EDT 30JUN10 Briefing
Attachments: NIC_update_briefing_30Jun10_1600.pdf

Good Afternoon Admiral Allen,

Please find the attached Situation Brief Update that has been prepared by the NIC Situation Unit current as of 1600EDT 30 June 2010. Please see attached for full report.

Highlighted bullets:

Highlights of the Last Operational Period:

- The UAC initially reported that three staging areas were evacuating. Subsequent reports indicated operations were limited due to weather and no evacuation was required.

- DISCOVERER ENTERPRISE: DE shut down at 1002 EDT for lightening within 5 miles restart commenced at 1130 EDT. T-time (time to get off station in the event of a hurricane) is 114 hours. The OVERSEAS CASCADE will return to lighter the DE. Lightering scheduled to commence on 02 July and will require less than 5' seas. The limiting factor of 5' seas is based on the tolerance of the floating transfer hose and the hose handling vessel. Should the DE not be able to start lightering operations by 02 July 2010 (Friday), a second transfer window should be available on 05 July 2010 (Monday). Lightering ops require 24 hours for full discharge of DE. If the DE is unable to lighter by 06 July 2010 (Tuesday) then the DE will reach maximum storage capacity and production will be stopped. (Houston, 30 Jun 10, 1200EDT)
- Dispersant: Subsea Dispersant is being injected at the BOP at a steady rate of 8 gallons per minute. Surface injection dispersant vessels remain in Port Fourchon due to high seas. Subsea dispersant authorization expires today and application will be made this evening for an extension of the dispersant authority. There was a 40 minute interruption in dispersant discharge for repositioning of the dispersant wand. (Houston, 30 Jun 10, 1200EDT)
- Short Term Containment: Top Hat - Top Hat #4 is in place over the MC 252 BOP and producing oil in conjunction with DE. A pressure transducer has completed the 72 hour reading cycle and data is being interpreted by government scientist. A decision will be made to remove the transducer or leave it in the methanol injection port. Weather has had little to no effect on the Top Hat, it has remained stable with less than a 2" wobble during the increased sea state. Top Hat #3 is available, located on the mud mat. Top Hat #10 is available, located on the deck of DE. There are no plans to change Top Hats at this time. (Houston, 30 Jun 10, 1200EDT)
- Long Term Containment and Disposal Plan 1: Planned startup of the system and production of oil is now 7 July, delay is due to weather. The 4000' Free Standing Riser (FSR) is fully in place. The 1,350' flexible, CDP manifold to FSR base, installation is ongoing. The 1,350' flexible was successfully connected to the base of the FSR and is currently being connected to the CDP manifold. Damage to the gasket occurred during attempts to land the connector and repairs will have to be made. It has been determined a second crane will be required to obtain the correct angle to land the connection. Once connected, it will be pressure tested for tightness. The 1,200' flex hose that will attach the Mud Manifold to the CDP Manifold is connected to the CDP manifold and crews had to abandon attempts to connect it to the Mud Manifold due to weather. This operation is being conducted within 40' of the DISCOVERER

ENTERPRISE and the vessel masters made the decision to halt the operation till seas calm. The Quick Connect/Disconnect (QC/DC) buoy and clump weight were placed and it was found the hawser connecting the buoy to the clump weight stretched beyond calculations. The buoy remains hanging from the crane of the OSV HOS IRON HORSE (9457050). Sections of chain, attaching the buoy to the hawser, will be removed allowing the buoy to sink to the appropriate depth. The HOS IRON HORSE will lift the QC/DC Buoy and complete the required work when seas are blow 4' to 6'. The QC/DC will be connected to the top of FSR through a 1,060' 6" flex hose. Deployment of the 1,060' flex hose been delayed due to high sea state. (Houston, 30 Jun 10, 1200EDT)

- MC 252 Well Bore Cap: The transition spool and capping stack have been built and successfully passed a System Integration Test (SIT) with the exception of a failed pressure/temperature sensor, the sensor has been replaced with a pressure/pressure sensor, BP scientist approved the change. Both will be prepared for shipping tonight via barge to Port of Fourchon at OOA 1400 30 June, ETA 02 July. The flange splitter system required to install the spool is complete and procedure has been approved. The system is scheduled to undergo a SIT 30 June. Machining on the "latch cap" contingency system commenced 26 June. The Well Bore Cap is the capping stack that will be used on top of the LMRP to assist in containment once the TOP HAT and LMRP flange is removed. (Houston, 30 Jun 10, 1200EDT)
- DD-II: Cementing has been completed and a Leak Off Test (LOT) will be performed on 30 June. The drill string is currently being run down hole to drill through the cement plug so the LOT can be performed. Provided the LOT is successful drilling will commence 01 July. A blind shear test of the BOP was successfully performed. T time is 108 hours. DDII's annual COC inspection will be conducted by MSU Morgan City inspectors. (Houston, 30 Jun 10, 1200EDT)

BP Claims Summary: (BP Claims Status for 30 Jun 10, 0931EDT 30 June)

- Total Number of Claims: 87,416
- Total Amount Disbursed: $132,300,000+
- Number of Claims Denied: 0
- Number of Checks Disbursed: 42,795

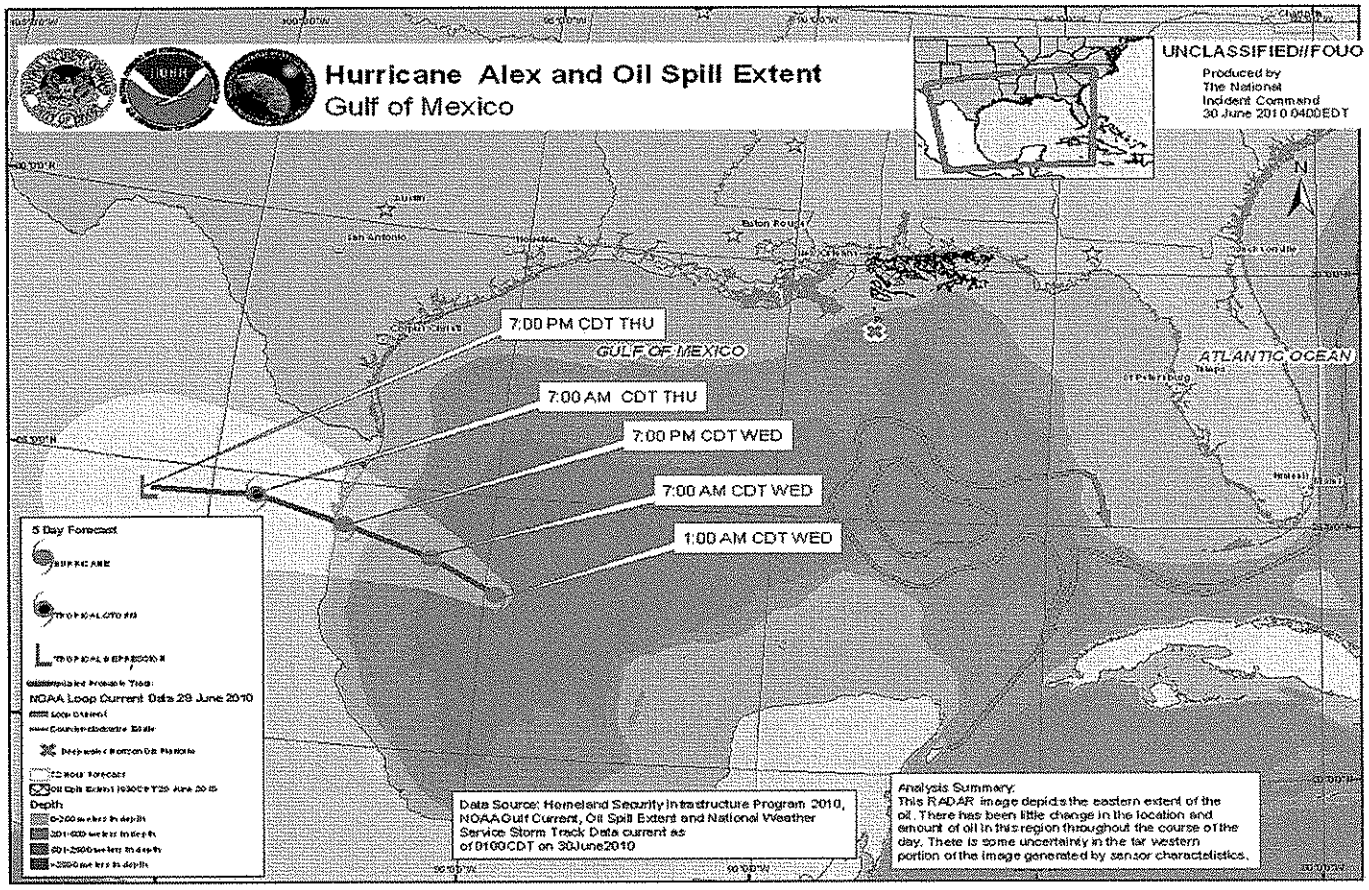
Future Plans (Next 24-48 hours): (UAC Exec Sum 30 June)

- DDII: drilling ahead
- DDIII: conduct magnetic ranging.
- CDP 1: continue installation of hose jumper and pressure test

V/R,

[redacted]
National Incident Command (NIC)
Situation Unit
[redacted]

National Incident Commander Daily Situation Update
1600EDT – 30 June 2010
Deepwater Horizon Spill Response
(Updates in RED)



National Incident Commander Objectives:

1. Establish and manage a coordinated interagency response effort to effectively employ all resources required to mitigate current and long term environmental and economic impacts of the incident.
2. Engage and inform the public, stakeholders and the media, keeping them apprised of response activities and plans.
3. Engage across all levels of government to develop courses of action for issues that span multiple agencies and departments.

Unified Area Command Objectives:

1. Ensure the safety and welfare of citizens and response personnel.
2. Control the source of the spill.
3. Continue to contain, recover, and dispose of spilled material.
4. Continue to maximize use and availability of advanced source control and response technologies.
5. Continue to maximize the protection, assessment, and response to environmentally, sensitive areas and wildlife risk.
6. Ensure stakeholders, government officials, and the public are kept informed of source control and response actions.
7. Minimize social, political, economic, and environmental impacts.
8. Continue to optimize critical resource utilization and effectiveness from all agencies and organizations across all response areas.
9. Ensure sustainability by conducting strategic planning to address long-range planning concerns; including worst case scenarios, contingencies, resources, logistics, and potential gaps.

National Incident Commander Daily Situation Update
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Deepwater Horizon Spill Response
(Updates in RED)

Highlights of the Last Operational Period:

- No controlled burns completed, no dispersant flights due to weather
- Q4000 flowback in progress and stable
- DISCOVERER ENERPRISE: maintained oil recovery
- Continued subsea dispersant injection at 8 gpm
- DDII tested BOP
- DDIII tested BOP, started wireline operations for magnetic ranging
- CDP 1 continued laying subsea flexible tubing and hooking up to manifold
- The UAC initially reported that three staging areas were evacuating. Subsequent reports indicated operations were limited due to weather and no evacuation was required.

Weather: National Weather Service, National Hurricane Center 2200CDT 29 June 2010

ALEX HAS BECOME THE FIRST HURRICANE OF THE 2010 SEASON. AT 1000 PM CDT...0300 UTC...THE CENTER OF HURRICANE ALEX WAS LOCATED NEAR LATITUDE 23.1 NORTH...LONGITUDE 94.8 WEST. ALEX HAS MOVED MOSTLY WESTWARD AT 9 MPH...15 KM/HR...OVER THE PAST FEW HOURS BUT A GENERAL WEST-NORTHWESTWARD MOTION IS EXPECTED OVER THE NEXT 24 TO 48 HOURS. ON THE FORECAST TRACK...THE CENTER OF ALEX WILL APPROACH THE COAST OF NORTHEASTERN MEXICO OR SOUTHERN TEXAS ON WEDNESDAY AND MAKE LANDFALL IN THE HURRICANE WARNING AREA LATE WEDNESDAY OR WEDNESDAY NIGHT. MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 75 MPH...120KM/HR...WITH HIGHER GUSTS. ADDITIONAL STRENGTHENING IS FORECAST PRIOR TO LANDFALL. ALEX WILL BEGIN TO WEAKEN AFTER ITS CENTER CROSSES THE COASTLINE.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 15 MILES...30 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES...280 KM. THE MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE HURRICANE HUNTER PLANE WAS 973 MB...28.73 INCHES.

- **On scene weather:** (NOAA 29 June)
  - o Wednesday, 30 June: Winds SE 17-22 kts, seas 7', very rough.
  - o Wednesday night, 30 June: Winds S 14-20 kts, seas 6-7', rough.
  - o Thursday, 01 July: Winds S-SW 12-14 kts, seas 6', choppy.

Source Control: (Houston 0629EDT 30 June)

	0000-2359CDT 29 June		**Total Recovered/Flared to date:**	
Vessel	**OIL**	**GAS**	**OIL**	**GAS**
DISCOVERER ENTERPRISE	17,027 bbls	37.9 million cubic ft of gas	389,472 bbls ***includes collection total for Riser Insertion Test Tube (RITT - 22,158 bbls)**	884.8 million cubic ft of gas *** includes collection total for Riser Insertion Test Tube (RITT – 88.4 gas)**

Q4000	8,196 bbls	19.5 million cubic ft of gas	119,418 bbls	243.5 million cubic ft of gas
Cumulative oil/gas recoverd	25,223 bbls	57.4 million cubic ft of gas	508,890 bbls	1128.3 million cubic ft of gas

- Seven Jones Act waivers have been approved (HELIX PRODUCER, TOISES PISCES, FPSO SEILLEAN, EVI KNUTSEN, NAVION FENNIA, LOCH RANOCH, and DISCOVER ENTERPRISE.) (Jones Act E-Mails)
- **DISCOVERER ENTERPRISE:** DE shut down at 1002 EDT for lightening within 5 miles restart commenced at 1130 EDT. T-time (time to get off station in the event of a hurricane) is 114 hours. The OVERSEAS CASCADE will return to lighter the DE. Lightering scheduled to commence on 02 July and will require less than 5' seas. The limiting factor of 5' seas is based on the tolerance of the floating transfer hose and the hose handling vessel. Should the DE not be able to start lightering operations by 02 July 2010 (Friday), a second transfer window should be available on 05 July 2010 (Monday). Lightering ops require 24 hours for full discharge of DE. If the DE is unable to lighter by 06 July 2010 (Tuesday) then the DE will reach maximum storage capacity and production will be stopped. **(Houston, 30 Jun 10, 1200EDT)**
- **Dispersant:** Subsea Dispersant is being injected at the BOP at a steady rate of 8 gallons per minute. Surface injection dispersant vessels remain in Port Fourchon due to high seas. Subsea dispersant authorization expires today and application will be made this evening for an extension of the dispersant authority. There was a 40 minute interruption in dispersant discharge for repositioning of the dispersant wand. **(Houston, 30 Jun 10, 1200EDT)**
- **Short Term Containment:** Top Hat – Top Hat #4 is in place over the MC 252 BOP and producing oil in conjunction with DE. A pressure transducer has completed the 72 hour reading cycle and data is being interpreted by government scientist. A decision will be made to remove the transducer or leave it in the methanol injection port. Weather has had little to no effect on the Top Hat, it has remained stable with less than a 2" wobble during the increased sea state. Top Hat #3 is available, located on the mud mat. Top Hat #10 is available, located on the deck of DE. There are no plans to change Top Hats at this time. **(Houston, 30 Jun 10, 1200EDT)**
- **Long Term Containment and Disposal Plan 1:** Planned startup of the system and production of oil is now 7 July, delay is due to weather. The 4000' Free Standing Riser (FSR) is fully in place. The 1,350' flexible, CDP manifold to FSR base, installation is ongoing. The 1,350' flexible was successfully connected to the base of the FSR and is currently being connected to the CDP manifold. Damage to the gasket occurred during attempts to land the connector and repairs will have to be made. It has been determined a second crane will be required to obtain the correct angle to land the connection. Once connected, it will be pressure tested for tightness. The 1,200' flex hose that will attach the Mud Manifold to the CDP Manifold is connected to the CDP manifold and crews had to abandon attempts to connect it to the Mud Manifold due to weather. This operation is being conducted within 40' of the DISCOVERER ENTERPRISE and the vessel masters made the decision to halt the operation till seas calm. The Quick Connect/Disconnect (QC/DC) buoy and clump weight were placed and it was found the hawser connecting the buoy to the clump weight stretched beyond calculations. The buoy remains hanging from the crane of the OSV HOS IRON HORSE (9457050). Sections of chain, attaching the buoy to the hawser, will be removed allowing the buoy to sink to the appropriate depth. The HOS IRON HORSE will lift the QC/DC Buoy and complete the required work when seas are blow 4' to 6'. The QC/DC will be connected to the top of FSR through a 1,060' 6" flex hose.

Deployment of the 1,060' flex hose been delayed due to high sea state. (Houston, 30 Jun 10, 1200EDT)

- **Long Term Containment and Disposal Plan 2:** To increase redundancy, BP will install a secondary subsea anchor, FSR, and float cans. The air can and subsea anchor are complete. Suction pile installation will start 02 July, weather pending. FSR 2 has been constructed and all components are staged in Port Fourchon. Installation will commence once the first FSR installation is completed with startup and "first oil" anticipated OOA 15 July. (Houston, 30 Jun 10, 1200EDT)
- **MC 252 Well Bore Cap**: The transition spool and capping stack have been built and successfully passed a System Integration Test (SIT) with the exception of a failed pressure/temperature sensor, the sensor has been replaced with a pressure/pressure sensor, BP scientist approved the change. Both will be prepared for shipping tonight via barge to Port of Fourchon at OOA 1400 30 June, ETA 02 July. The flange splitter system required to install the spool is complete and procedure has been approved. The system is scheduled to undergo a SIT 30 June. Machining on the "latch cap" contingency system commenced 26 June. The Well Bore Cap is the capping stack that will be used on top of the LMRP to assist in containment once the TOP HAT and LMRP flange is removed. (Houston, 30 Jun 10, 1200EDT)

- **Relief Well Data:** (Houston, 30 Jun 10, 1200EDT)

	Total Drill Depth (MD=measured or total drilled depth in feet)	**Day # of Est. Completion Days**	**Comments**
DD-II	12,038'	34 of 104 (33 %)	Target of 12,040 feet MD where the 16-inch casing will be set. T-Time 108 hrs
DD-III	16,900'	58 of 104 (56%)	Target of 18,400 feet MD. T-Time 109 hrs

- **DD-II:** Cementing has been completed and a Leak Off Test (LOT) will be performed on 30 June. The drill string is currently being run down hole to drill through the cement plug so the LOT can be performed. Provided the LOT is successful drilling will commence 01 July. A blind shear test of the BOP was successfully performed. T time is 108 hours. DDII's annual COC inspection will be conducted by MSU Morgan City inspectors. (Houston, 30 Jun 10, 1200EDT)
- **DD-III:**. DDIII has drilled to a depth of 16,900' and is in the process of wire ranging, results indicate that relief well bore is 16' plus/minus 5' from the MC252 well. Another wire ranging run is scheduled for 01 July and will advance the well an additional 300'. Estimated time to complete all ranging is 7 days which will be followed by 7 days of drilling for the 9 5/8" casing run. T-time is 109 hours. (Houston, 30 Jun 10, 1200EDT)

International Offers of Assistance:

- Letters of Acceptance were drafted by the NIC for 22 offers of assistance from 12 countries. Letters are currently under review, including Department of State (DOS) clearance. (NIC CRU 27 June)
- NIC CRU working with DOS to source 3 offers of fire boom and 2 skimmers. (NIC CRU 27 June)
- Algeria: A private company offered boom. UAC expects to take delivery of 800 meters of fire boom this week from a Sonatrach subsidiary.

National Incident Commander Daily Situation Update
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Deepwater Horizon Spill Response
(Updates in RED)

(Houston Source Control Vessels 29 June)

Name	Flag	Status/Location	Current Function	Comments
Q4000	United States	On Scene	Containment Continues to recover production and flare oil and gas.	T-Time 69 hours Operations may conintue in sea states < 12'
DISCOVERER ENTERPRISE	Marshall Islands	On Scene	Containment Continues to recover production, flare gas, and store oil.	T-Time 114 hours Operations may conintue in sea states < 12'
HELIX PRODUCER I	Bahamas	At staging area	Oil Production Will attach to the CDP-1 free standing riser to process oil. Will continuously process 20-25,000 bbls of oil daily	Critical hook up operations possible only in sea states < 3-4' Start up to commence after 02 July when seas calm. Marine Inspectors from MSU Morgan City conducted satisfactory tests of the fire curtain and associated shutdowns on 29 June.
Name	**Flag**	**Status/Location**	**Current Function**	**Comments**
LOCH RANNOCH	United Kingdom	Anchored staging area	Shuttle Tanker Will transfer oil from the HELIX PRODUCER	Capacity is 1,000,000 bbls (40 days on station)
DISCOVERER CLEAR LEADER	Marshall Islands	Anchored	Containment Awaiting equipment	Containment Will recover production
MASSACHUSETTS	United States	Conducting transfer operations	Shuttle Tank Barge Transfers oil from the DISCOVERER ENTERPRISE	Will be decontaminated at the LOOP and will proceed to Texas City, TX to offload.
EVI KNUTSEN	Norway	O/S ETA 30 June	Shuttle Tanker Will transfer oil from the TOISA PISCES	Was issued a COC 27 June and is clear to prep for ops in GoM
NAVION FENNIA	Bahamas	ETA to GoM 03 July	Shuttle Tanker Will transfer oil from the HELIX PRODUCER and the TOISA PISCES	Will be inspected OOA 30 June in Port Everglades, FL
SEILLEAN	Panama	En-route to Port of Spain, Trinidad. ETA is mid-July.	Containment Will recover production	Planning for inspection and retrofit in Port of Spain. Retrofit will expand production capabilities.
OVERSEAS CASCADE	United States	On-scene	Transfers oil from the DISCOVERER ENTERPRISE	

TOISA PISCES	Liberia	Departed Corpus Christi, TX seeking safe refuge due to Alex.	Undergoing modification Will attach to the CDP-2 free standing riser to process oil	Port State Control exam delayed until later this week . Departed shipyard in Corpus Christi seeking safe refuge from Hurricane Alex. Estimated return date of 05 July. New departure date for MC252 is 10 July.
SEACOR RIGOROUS	United States	At staging area	With transfer hose that will be used between HELIX PRODUCER & LOCH RANNOCH	
LA CHEVAL	United States	At staging area	With transfer hose that will be used between HELIX PRODUCER & LOCH RANNOCH	

Clean-Up/Response Operations: (DWH AAG 0600 29 June)

	LA	MS	AL	FL	TOTAL
Current Miles of Shoreline Impact	68.6	47.8	46.9	59.2	225.5
People Assigned	1,810	690	499	3,518	6517

Safety/Personnel Casualties:

- No casualties reported on 30 June

Environmental Impact:

- **TX:** NSTR
- **LA:** Preparing for a rapid response to likely oiling in several locations from St. Bernard Parish to Grand Isle. Continued operations throughout Barataria Bay, South Pass and Grand Terre. (DWH AAG 0716EDT 29 June)
- **MS:** All operations suspended due to bad weather. Staging areas participated in hurricane preparation table top exercise. (DWH AAG 0716EDT 29 June)
- **AL:** All operations suspended due to bad weather. Continued to build number of VOOs trained and equipment to conduct oil collection operations. (DWH AAG 0716EDT 29 June)
- **FL:** All operations suspended due to bad weather. Beach and boom inspection conducted in Franklin and Gulf counties. Staging areas participated in hurricane preparation table top exercise. (DWH AAG 0716EDT 29 June)

Port/Waterway Economic Impact:

- All ports remain open, including the Louisiana Offshore Oil Port (LOOP).
- Decontamination of deep-draft vessels as of 28 June
  - New Orleans Southwest Pass: 1
  - Mobile: 3
- 80,228 sq mi (33%) of Gulf Federal waters are closed to fishing. (NOAA 28 June)

Equipment & Resources Assigned: (DWH AAG 0600EDT 30 June)

National Incident Commander Daily Situation Update
1600EDT – 30 June 2010
Deepwater Horizon Spill Response
(Updates in RED)

	LA	MS	AL	FL	OFF SHORE	Totals
VOO	631	742	1,170	464	0	3,007
Barges	447	98	93	30	0	668
Skimmers	231	76	67	136	0	510
Other (Command & Control, Boom Tending, Other)	1,477	435	488	263	26	2,689
Fixed Wing	37					37
Helo	85					85
Total	2,555	1,275	1,751	757	26	6,996

Task Forces: (DWH AAG 0716EDT 29 June)

- **LA:** 12 fishing vessel skimming Task Forces (TF), of 25 vessels each, recovered oil in Barataria Bay and Mississippi Delta. 27 Shallow Water Barge Skimming Systems working in 5 different parishes.
- **MS:** Continued to deploy boom for the Magnolia Project in Pascagoula and Biloxi. Performed boom maintenance in all divisions.
- ICP Mobile is working with the state of MS to give them control of local assets.
- **AL:** Weather dependent, safely skimming product on northern leading edge of oil. Contained and skimmed oil south of Dauphin Island.
- **FL:** VOO's held in Pensacola Bay. TF#704 continued skimming operations 4 nautical miles south of Gulf Shores. Safe skimming of product on northern leading edge of oil is weather dependent.

Financial Update: (NPFC Executive Financial Summary Report 2035EDT 29 June)

OSLTF Emergency Fund Remaining	$30,353,185.06
Fed Project Ceiling	$259,500,000.00
Obligated funds to Date	$222,381,657.66
Fed project Ceiling Remaining	$37,118,342.34

BP Claims Summary: (BP Claims Status for 30 Jun 10, 0931EDT 30 June)

- Total Number of Claims: 87,416
- Total Amount Disbursed: $132,300,000+
- Number of Claims Denied: 0
- Number of Checks Disbursed: 42,795

BP Claims Call Center Statistics: (BP Dashboard 29 June)

- Calls Received: 847

- Wait Time: 6 seconds
- Calls abandoned: 19 (1%)
- Non-Claims related calls: 623
- Call operator dedicated hours: 1,153 hours
- Call operators: 171
- Checks written: 649
- Cumulative Checks written: 41,988
- Managers/adjusters in field: 952
- Claim Centers: 34

Future Plans (Next 24-48 hours): (UAC Exec Sum 30 June)

- Continue sub-sea dispersant; monitor pressure
- Optimize flow back to the DISCOVERER ENTERPRISE
- Q4000 maintain flowback and flaring operations
- DDII: drilling ahead
- DDIII: conduct magnetic ranging.
- CDP 1: continue installation of hose jumper and pressure test

NIC Strategic Efforts:

- **FRTG Flow Rate Analysis**
  This improved estimate is based on more and better data that is available after the riser cut data which helps increase the scientific confidence in the accuracy of the estimate. As the Government continues to collect additional data and refine these estimates, it is important to realize that the numbers can change. In particular, because the upper number is less certain, it is important to plan for the upper estimate plus additional contingencies immediately. The most likely flow rate of oil is between 35,000 and 60,000 barrels per day.
- **Interagency Alternative Technology Assessment Program (IATAP)**
  As of 28 June:
  - # of proposals: 2708
  - avg # per week: 800
  - # passed initial screening: 23
  - # forwarded to UAC: 18
  - # implemented: 0
- **International Engagement Strategy**
  Interagency Strategic Planning (IASP) maintains country specific files on the potential for impact from the DWH pollution incident on foreign countries. To date, IASP provided briefs to DOS on projections for impact to Cuba, Bahamas, and Bermuda. Brief for Mexico is pending until DOS confirms meeting participants, time, and location specifics. If the potential for impact on a foreign country becomes likely, IASP will initiate notification to DOS to provide official notification to the country.
- **Hurricane/Severe Weather Contingency Plan**
  Briefed S1, final draft is being completed.
  Anticipate final approval of DWH Hurricane/Severe Weather Plans on 30 June
  Follow up discussions on pre and post storm planning ongoing with DoD, FEMA, and other governmental agencies

UAC will conduct a UAC-UIC SWCP table top exercise on 6 July
CG participation planned for Joint Chiefs of Staff SWCP Critical Mission Exercise 12.1, 14 July

- **Implementation Strategy**
  Drafted a NIC directive to guide UAC actions. Draft will be available for NIC review on 30 June.

- **Critical Resources Strategic Planning** (DWH AAG 0600EDT 30 June)
  Skimmers
  Current total: 510
  Additional VOO TFs will be coming online pending delivery of skimming systems.

  Boom
  Total Deployed: 2,763,676 feet
  Total Assigned: 232,688 feet
  Total Staged: 856,000 feet
  Total Ordered: 827,952 feet
  Delivery Estimate: 6/30-7/2 = 117,766 feet
  7/3- 7/9 = 322,218 feet

- **Coast Guard/EPA Emergency Regulation**
  The Coast Guard and the Environmental Protection Agency (EPA) continue to take steps to ensure that vital oil spill response equipment currently stationed throughout the country is available to join the fight against BP's leaking oil in the GOM. The most recent step in this strategy involves a joint Coast Guard-EPA emergency interim rule, submitted to the Federal Register on June 28, which will temporarily lower timing thresholds that require identification and staging of oil spill response equipment around the country in case of an oil spill—freeing up some resources for deployment to the Gulf. Essentially this means that we are temporarily reducing the time in which equipment, including vessels, must be available and "at the ready" for an oil spill so that we can battle the BP oil spill with an even greater force than we have already mobilized.

[redacted]

From: HQS-PF-fldr-NIC HQ Situation Unit
Sent: Monday, July 19, 2010 6:28 AM
To: HQS-PF-fldr-NIC-HQ-Email Archive
Subject: National Incident Commander Brief 0630EDT 19 July 2010
Attachments: National Incident Command Brief 0630EDT 19 July 10.pdf

Good Morning All,

Please find the attached Situation Briefing that has been prepared by the NIC Situation Unit current as of 0630EDT today. Please see attached for full report.

Copies of situations briefs are available on HSIN at HTTPS://government.hsin.gov

Highlighted bullets:
• 1 controlled burn completed, no dispersant flights • Capping Stack: continued to perform well integrity test • Q4000: standing by to resume containment if required • HELIX: standing by to resume containment if required • DDII: on hold pending DDIII relief results • DDIII: drilled to next casing point and tripped out of hole for ranging run #13 • CDP-2: released second free standing riser and installed buoy • ENTERPRISE: standing by with top hat #7 • Detected seepage and undetermined anomalies in the vicinity of wellhead; BP to provide written procedures for opening choke valve should seppage be confirmed (NIC Letter 18 July)

• Monday 19 July NE-E 10-15, SCAT SHWRS Choppy 3-5
• Tuesday 20 July E-SE 10-15, SCAT SHWRS & TSTMS Choppy 3
• Wednesday 21 July E-SE 10-15, SCAT SHWRS & TSTMS Choppy 3-5
• Thursday 22 July NE-E 10-15, SCAT SHWRS & TSTMS Choppy 2-4
• Friday 23 July SE-E 5-10, SCAT SHWRS & TSTMS Choppy 2-4

• WELL INTEGRITY PLAN: Per Well Integrity Test Procedure, choke was completely closed at 1422L 15JUL10 and continues to hold steady (increasing at 1-2psi /hour). As of 1700L pressure is 6792 psi at PT-3K-2 on the three ram capping stack. Seismic/Acoustic testing: GECO TOPAZ is scheduled to complete two seismic runs on 18 July; three of four passes have been completed. NOAA PISCES completed a 1500m survey 18 July.
Monitoring: Temperature at the casing is 39.9 degrees F. Temperature monitoring is currently offline due to seismic operations. Geophone (vibration - hourly) has been installed on the lower cement line on casing and "big ears" sensor (acoustic - 30 minutes) on the casing 1 inch below the well connector on 18 July. (Houston Update 2000EDT 18 July)

• DD-III: 1st Relief Well - DDIII is at a depth of 17,867' (17,108' TVD). Completed 24' run, will conduct range run #13, and plans to case on Tuesday, 20 July. (Houston Update 2000EDT 18 July)

• UAC confirms 309 skimmers delivered on 19 July. (UAC 0258EDT 19 July)

• At 2150 CDT, the UAC received a call reporting 900' of boom blocking the outside of Whisky Pass in Terrebonne Parish. The boom poses a hazard to navigation. Position plots 1NM South of the eastern end of Timbalier Island. Weather o/s winds ESE 5-10KTS. UAC notified Sector New Orleans CC. Incident Command and Safety have also been notified. Subsequent investigation revealed the location of the boom is in LaFourche's AOR. MSST SAR asset responded to location in report, conducted expanding square search for the boom with negative results. An overflight on the morning of 18 July found a section of dislocated boom approximately 200-250' in position 29 04.218N 090 22.400W, close to the reported position. Overflight did not locate any additional boom or navigational hazards in the area. FOB LaFourche operations ordered Alpha Company vessel M/V Miss Denise to respond the morning of 18 July. Vessel found

100' of 18" boom and 200' of 36" boom and recovered both sections. There was no evidence of tampering or vandalism. Original length unknown but the recovered boom was typical of a beginning and end section of boom. It is believed no boom is missing. No further action is necessary. (CCIR 2211EDT 17 July; NIC Passdown 18 July)

/r

[redacted]
National Incident Command
Situation Unit
[redacted]

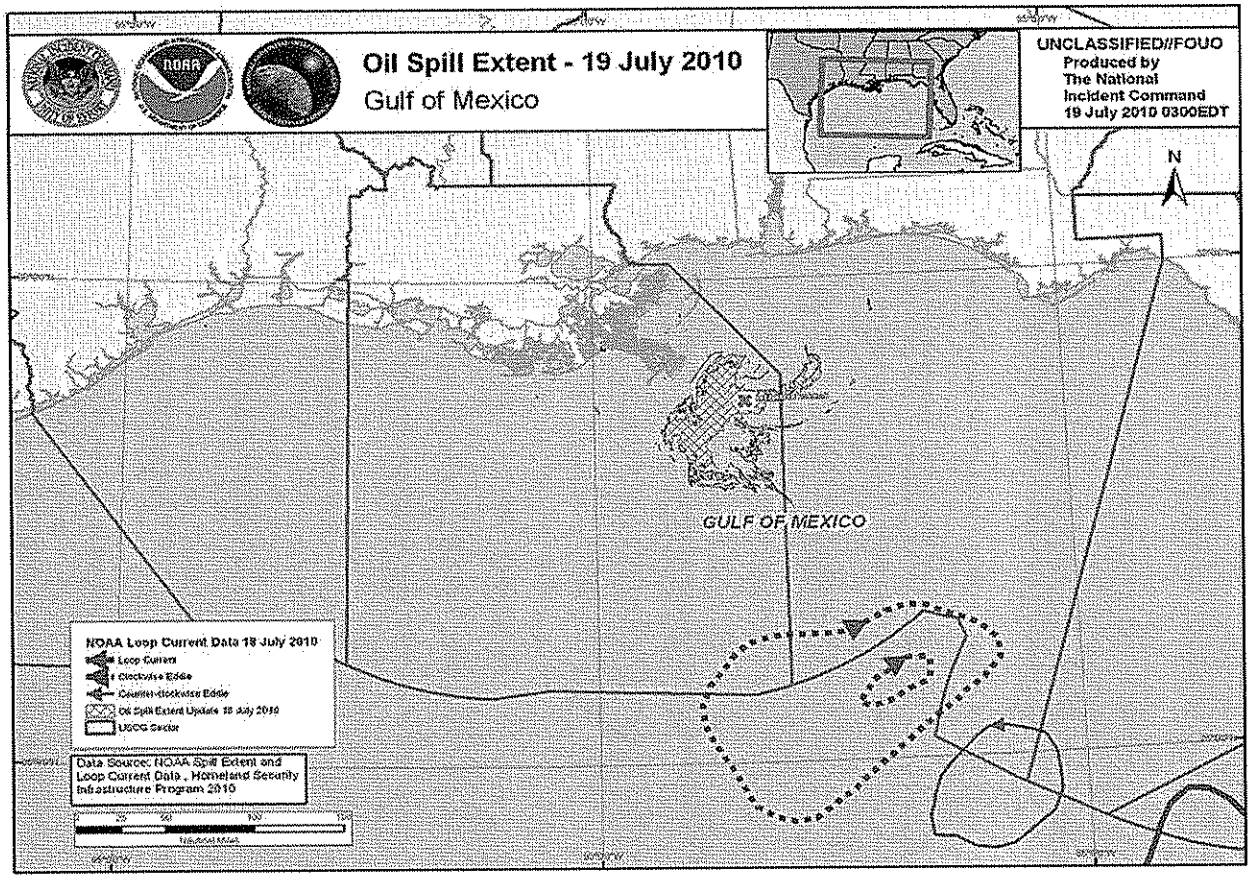
National Incident Command

DEEPWATER HORIZON RESPONSE

DAILY SITUATION REPORT

19 July 2010, 0630 EDT

National Incident Commander Daily Situation Update
0630EDT – 19 July 2010
Deepwater Horizon Spill Response
(Updates in RED)



National Incident Commander Objectives:

1. Establish and manage a coordinated interagency response effort to effectively employ all resources required to mitigate current and long term environmental and economic impacts of the incident.
2. Engage and inform the public, stakeholders and the media, keeping them apprised of response activities and plans.
3. Engage across all levels of government to develop courses of action for issues that span multiple agencies and departments.

Unified Area Command Objectives:

1. Ensure the safety and welfare of citizens and response personnel.
2. Control the source of the spill.
3. Continue to contain, recover, and dispose of spilled material.
4. Continue to maximize use and availability of advanced source control and response technologies.
5. Continue to maximize the protection, assessment, and response to environmentally, sensitive areas and wildlife risk.
6. Ensure stakeholders, government officials, and the public are kept informed of source control and response actions.
7. Minimize social, political, economic, and environmental impacts.
8. Continue to optimize critical resource utilization and effectiveness from all agencies and organizations across all response areas.
9. Ensure sustainability by conducting strategic planning to address long-range planning concerns; including worst case scenarios, contingencies, resources, logistics, and potential gaps.

National Incident Commander Daily Situation Update
0630EDT – 19 July 2010
Deepwater Horizon Spill Response
(Updates in RED)

HIGHLIGHTS OF THE LAST OPERATIONAL PERIOD: (UAC Sit Exec 18 July)

- 1 controlled burn completed, no dispersant flights
- Capping Stack: continued to perform well integrity test
- Q4000: standing by to resume containment if required
- HELIX: standing by to resume containment if required
- DDII: on hold pending DDIII relief results
- DDIII: drilled to next casing point and tripped out of hole for ranging run #13
- CDP-2: released second free standing riser and installed buoy
- ENTERPRISE: standing by with top hat #7
- Detected seepage and undetermined anomalies in the vicinity of wellhead; BP to provide written procedures for opening choke valve should seppage be confirmed (NIC Letter 18 July)

WEATHER: (NOAA Spot Forecast 0205EDT 18 July)

Date	Wind (kts)	Sea State	Seas (ft)
Monday 19 July	NE-E 10-15, SCAT SHWRS	Choppy	3-5
Tuesday 20 July	E-SE 10-15, SCAT SHWRS & TSTMS	Choppy	3
Wednesday 21 July	E-SE 10-15, SCAT SHWRS & TSTMS	Choppy	3-5
Thursday 22 July	NE-E 10-15, SCAT SHWRS & TSTMS	Choppy	2-4
Friday 23 July	SE-E 5-10, SCAT SHWRS & TSTMS	Choppy	2-4

SOURCE CONTROL: (Houston 0637EDT 18 July)

	0000-2359CDT 16 July		**Total Recovered/Flared to date:**	
Vessel	**OIL**	**GAS**	**OIL**	**GAS**
DISCOVERER ENTERPRISE	0 bbls	0 million cubic ft of gas	562,104 bbls ***includes collection total for Riser Insertion Test Tube (RITT - 22,158 bbls)**	1,272.4 million cubic ft of gas *** includes collection total for Riser Insertion Test Tube (RITT – 88.4 gas)**
Q4000	0 bbls	0 million cubic ft of gas	241,187 bbls	534.1 million cubic ft of gas
HELIX PRODUCER I	0 bbls	0 million cubic ft of gas	23,742 bbls	~58.8 million cubic ft of gas (estimated due to incorrectly calibrated meter)
Cumulative oil/gas recoverd	0 bbls	0 million cubic ft of gas	827,033 bbls	~1,865.3 million cubic ft of gas

- **DISCOVERER ENTERPRISE (DE):** Completed lightering. (Houston Update 2000EDT 18 July)
- **HELIX PRODUCER I:** Remains shut in. (Houston Update 2000EDT 18 July).
- **CAPPING STACK OPS:** The Three Ram Capping Stack is in position. (Houston Update 2000EDT 18 July)
- **WELL INTEGRITY PLAN:** Per Well Integrity Test Procedure, choke was completely closed at 1422L 15JUL10 and continues to hold steady (increasing at 1-2psi /hour). As of 1700L pressure is 6792 psi at PT-3K-2 on the three ram capping stack. Seismic/Acoustic testing: GECO TOPAZ is scheduled to complete two seismic runs on 18 July; three of four passes have been completed. NOAA PISCES completed a 1500m survey 18 July.
  Monitoring: Temperature at the casing is 39.9 degrees F. Temperature monitoring is currently offline due to seismic operations. Geophone (vibration - hourly) has been installed on the lower cement line on casing and "big ears" sensor (acoustic – 30 minutes) on the casing 1 inch below the well connector on 18 July. (Houston Update 2000EDT 18 July)
- **SUB-SEA DISPERSANT:** No subsea dispersant use. (Houston Update 2000EDT 18 July)
- **Q4000:** Remains shut in. (Houston Update 2000EDT 18 July).
- **VOLATILE ORGANIC COMPOUNDS (VOC):** No reported VOCs. (Houston Update 2000EDT 18 July)
- **SHORT TERM CONTAINMENT:** The DE has deployed Top Hat #7 to depth and has moved within 1500' of the well. (Houston Update 2000EDT 18 July)
- **LONG TERM CONTAINMENT AND DISPOSAL PLAN 1:** The second process train on the HELIX PRODUCER I is online. (Houston Update 2000EDT 18 July)
- **LONG TERM CONTAINMENT AND DISPOSAL PLAN 2:** The FSR 2 inner riser has been completed. Upper riser work scheduled to be completed today 18 July. Complete the 1060' jumper keel haul and installation. Initial collection of oil and gas from CDP2 is anticipated OOA 24 July. (Houston Update 2000EDT 18 July)
- **SUBSEA TIE-IN**: Planning and design work on going for both Rigel and Na Kika tie-in options. (Houston Update 2000EDT 18 July)

- **RELIEF WELL DATA:** (Houston 1200EDT 18 July)

	Total Drill Depth (MD=measured or total drilled depth in feet)	**Day # of Est. Completion Days**	**Comments**
DD-II	15,961'	52 of 104 (50 %)	T-Time 102 hrs; Drilling of relief wells are not expected to be impacted by high sea state
DD-III	17,867'	75 of 104 (72%)	T-Time 94 hrs: Drilling of relief wells are not expected to be impacted by high sea state

- **DD-II:** 2nd Relief Well – DDII is at a depth of 15,961' (15,200' TVD). DDII has run 11 7/8" casing to depth and cemented. The DDII conducting maintenance and will hold operations and await results of the DDIII relief well. (Houston Update 2000EDT 18 July)
- **DD-III:** 1st Relief Well – DDIII is at a depth of 17,867' (17,108' TVD). Completed 24' run, will conduct range run #13, and plans to case on Tuesday, 20 July. (Houston Update 2000EDT 18 July)

National Incident Commander Daily Situation Update
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Deepwater Horizon Spill Response
(Updates in RED)

(Houston Source Control Vessels 17 July)

Name	Flag	Status/Location	Current Function	Comments
Q4000	United States	On-scene	Containment Continues to recover production and flare gas	T-Time 69 hours. Shut down as of 1050CDT, 15 July
DISCOVERER ENTERPRISE	Marshall Islands	On-scene	Containment	T-Time 52 hours Operations may conintue in sea states < 12'
HELIX PRODUCER I	Bahamas	On-scene	Oil Production Will process 20-25,000 bbls of oil/day at the CDP-1 free standing riser	T-Time 24 hrs. Shut down as of 1120CDT, 15 July
LOCH RANNOCH	United Kingdom	On-scene	Shuttle Tanker Will transfer oil and store from the HELIX PRODUCER	Capacity is 1,000,000 bbls (40 days on station). In position and attached to HP1 via transfer hose. Transfer ops with HP1 completed
DISCOVERER CLEAR LEADER	Marshall Islands	Anchored standing by	Containment Will recover production-125,000 bbls capacity	DNV and BOEM have commenced survey of production equip and are scheduled to complete their survey
DISCOVERER INSPIRATION	Marshall Islands	Mississippi Canyon Block 467	Demobilizing	Previously landed capping stack, preparing for demobilization
SKANDI NEPTUNE	Norway	On-scene	ROV operations	Applying sub-sea dispersants around the BOP stack
MASSACHUSETTS	United States	On-scene	Shuttle Tank Barge Transfers oil from the DISCOVERER ENTERPRISE	
EVI KNUTSEN	Norway	Anchored at LOOP anchorage	Shuttle Tanker Will store oil produced by the TOISA PISCES- 750,000 bbl capacity	Joint DP test will take place with TOISA PISCES upon departure
NAVION FENNIA	Bahamas	Anchored at LOOP anchorage	Shuttle Tanker Will transfer oil from the HELIX PRODUCER and the TOISA PISCES	DP trials completed; Joint test with TOISA PISCES upon departurel
SEILLEAN	Panama	Departed Trinidad. Enroute to Corpus Christi, TX	Containment Will recover production	Once loading operations are complete the SEILLEAN will sail to Corpus Christi, TX for outfitting and commissioning of production systems. MSU Corpus Christi will conduct a PSC Exam prior to departure for MC 252. Estimated MC 252 ETA beginning of August
OVERSEAS CASCADE	United States	Transiting	Shuttle Tanker	Currently at Plains St. James facility (LA) discharging. Scheduled to return to the field on 18 July at approx 1800CDT. DP Trials started 18 July

TOISA PISCES	Liberia	Corpus Christi, TX	Undergoing modification Will attach to the CDP-2 free standing riser to process oil	Yard work completed; currently conducting system test; departed for field 16 July. DP trials scheduled for 21 July
SEACOR RIGOROUS	United States	At staging area	With transfer hose that will be used between HELIX PRODUCER & LOCH RANNOCH	Have deployed 12" lightering transfer hose
LA CHEVAL	United States	At staging area	With transfer hose that will be used between HELIX PRODUCER & LOCH RANNOCH	Have deployed 12" lightering transfer hose
NORMAND FORTRESS	Norway	En-route	Construction support	Install the pipeline crossing for the 2 subsea pipeline alternatives
WEST SIRIUS	Panama	On-scene	Construction support	Install freestanding Riser 2

CRITICAL RESOURCE MANAGEMENT : (Critical Resources Unit 18 July)

- The list of International offers of Assistance will be posted to HISN on Monday evenings @ 1900EDT.
- **International Offers of Assistance: Government to Government**
- As of July 18, the NIC has received 70 offers from 28 countries and 4 International Organizations.
  - 44 offers were for critical resources, 40 have been accepted.
  - In total, 46 govt-govt and Intl Org offers have been accepted to date.
- **International Offers of Assistance: Private, Government and IMO Facilitated**
- As of 18 July, the NIC has received 54 offers of assistance from private companies
  - 25 offers were submitted directly by private entities
  - 29 offers were facilitated by foreign governments or the IMO
  - 33 offers were for critical resources, 6 offers have been accepted
  - Changes reflect the reclassification of one offer and the deletion of another
- **Domestic Offers of Resources**
  - As of 18 July, the NIC has received 76 domestic offers
    - 18 originated through the Homeport website
    - 9 offers have been accepted
    - 25 offers were for critical resources; none have been accepted

- **Skimmers** (Critical Resources Unit 17 July)

Foreign Skimmers	Domestic Skimmers	Navy Skimmers	Skimmers Freed up by Emergency Rule
0	577	46	27

  - State by State listing of all Inshore and Near Shore skimmers now listed in NIC Deepwater Horizon Response "At a Glance" spreadsheet.
  - UAC confirms 309 skimmers delivered on 19 July. (UAC 0258EDT 19 July)
  - Homeport website to collect skimmer availability went live on 01 July at 0900.

- **DOD**
  RFA 78B
  - In theater: 26 shallow water skimmers, 4 Harbor Busters, and 34 tow boats
  - Enroute: 1 shallow water skimmers and 1 tow boats

CLEAN- UP/RESPONSE OPERATIONS SHORESIDE: (DWH AAG 0600 18 July)

	LA	MS	AL	FL	TX	TOTAL
Current Miles of Shoreline Impact	352.5	112.1	69.1	82.3	0	616
People Assigned	1,304	1,487	2,663	4,426	0	9880

- At 2150 CDT, the UAC received a call reporting 900' of boom blocking the outside of Whisky Pass in Terrebonne Parish. The boom poses a hazard to navigation. Position plots 1NM South of the eastern end of Timbalier Island. Weather o/s winds ESE 5-10KTS. UAC notified Sector New Orleans CC. Incident Command and Safety have also been notified. Subsequent investigation revealed the location of the boom is in LaFourche's AOR. MSST SAR asset responded to location in report, conducted expanding square search for the boom with negative results. An overflight on the morning of 18 July found a section of dislocated boom approximately 200-250' in position 29 04.218N 090 22.400W, close to the reported position. Overflight did not locate any additional boom or navigational hazards in the area. FOB LaFourche operations ordered Alpha Company vessel M/V Miss Denise to respond the morning of 18 July. Vessel found 100' of 18" boom and 200' of 36" boom and recovered both sections. There was no evidence of tampering or vandalism. Original length unknown but the recovered boom was typical of a beginning and end section of boom. It is believed no boom is missing. No further action is necessary. (CCIR 2211EDT 17 July; NIC Passdown 18 July)
- Reported by ICP Mobile: At 2030 hrs., on 17 Jul 2010 a request was made by USCG Base Gulfport MS for assistance with boom (100 yards in length) that had dislodged and was floating across the ship channel at Buoy #24. (Coordinates 30.12.05/088.56.6) At 2048 hrs., the USCGC MANATEE was dispatched to tie up the boom or take it to shore. At 2317 hrs., USCG Base Gulfport, MS confirmed boom was moved from the channel and a light installed. Boom will be re-set on 18 Jul 2010 by VOO. Any further information will be provided as available. (CCIR 0947 EDT 18 July)

TEXAS:
Shoreline: No new contamination. No SCAT currently scheduled.
Inshore: Total recovered to date 87.13 cubic yards of oily solids.
Nearshore: Nothing significant to report.
Offshore: Conducted 1 overflight. Nothing significant to report.

National Incident Commander Daily Situation Update
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Deepwater Horizon Spill Response
(Updates in RED)

LOUISIANA:
Offshore: Skimmers were operational today at the source, 7,599 bbls collected. 1 burn operation conducted. Oil tracking South/Southeast of the source.
Shoreline: Branches are allocating resources to oiling in several locations from St. Bernard Parish to Grand Isle. Continued ops throughout Barataria Bay, South Pass and Grand Terre. Currently only light oiling found. Heavy oil impact has decreased.
Inshore: 12 fishing vessel skimming Task Forces and 27 Shallow Water Barge Skimming Systems were operational in 5 parishes.

MISSISSIPPI:
Shoreline: No new oil reported in Hancock and Harrison counties. Water and beach cleanup operations were limited due to weather. Beach cleanups were suspended on Cat, Horn and Petit Bois Islands due to weather. Cleanups were limited on Ship Island due to weather. Jackson County beach cleanup efforts were also limited due to weather, however beach patrols responded to reports of light tarballs at Bell Fontain, Lake Mars and Pascagoula Beach.
Nearshore: TF#5 conducted limited oil reconnaissance in the vicinity of Horn Island. TF#6 continued outfitting. Both nearshore task forces in Mississippi were on standby due to weather. VOO operations were also restricted due to weather.
Offshore: Tactical control of offshore assets temporarily transferred to ICP Houma to assist with skimming operations near the source. Operational control will remain with ICP Mobile. TF#703 continues to maintain coverage for the Mississippi barrier islands.

ALABAMA:
Shoreline: Light impact of oil and tarballs in Mobile County. No new oil in the Fort Morgan area. Sporadic tarballs were reported in Gulf Shores and in Orange Beach. City of Gulf Shores opened Little Lagoon Cut. Crews identified oiling in the Perdido Pass area and have begun manual cleanup. Crews continued manual cleaning on Little Dauphin Island, West Beach, Pelican Beach, East Beach , and West Point Beach. Light to moderate impact was reported on West Dauphin Island, East Dauphin Island and Pelican Island.
Nearshore: TF#2 scouted east in Mobile Bay and secured for weather. TF#4 VOOs scouted 5 miles east and west of Perdido Pass and up to 10 miles offshore.
Offshore: Tactical control of offshore assets temporarily transferred to ICP Houma to assist with skimming operations near the source. Operational control will remain with ICP Mobile.

FLORIDA:
Shoreline: No new oil reported ashore in Florida. Conducted manual beach cleanups on Escambia, Santa Rosa, Okaloosa, Bay, Gulf and Walton County beaches. Crews continued conducting manual cleanups on Perdido Beach, Perdido Key, Fort Pickens, Pensacola Beach, Navarre Beach and Okaloosa Island.
Nearshore: TF#1 performed training and scouted in the area of Panama City. TF#3 conducted oil reconnaissance in Pensacola Bay and was on standby due to weather. VOO Task Forces conducted surveillance, skimming and booming operations in state waters. Branch 4 assumed tactical control of VOO operation.
Offshore: Tactical control of offshore assets temporarily transferred to ICP Houma to assist with skimming operations near the source. Operational control will remain with ICP Mobile. Offshore assets

NRC LYNNE FRINK, USCGC JAMES RANKIN and USCGC JOSHUA APPLEBY maintained coverage for Florida off of Port St. Joe.

ENVIROMENTAL IMPACT: NSTR

PORT/WATERWAY ECONOMIC IMPACT: (Gulf Exec Sum 18 July)

- All ports remain open, including the Louisiana Offshore Oil Port (LOOP).
- Decontamination Activities: NSTR
- 83,927 sq mi (35%) of Gulf Federal waters are closed to fishing. (NOAA 13 July)

SAFETY/PERSONNEL CASUALTIES: NSTR

FINANCIAL UPDATE: (NPFC Executive Financial Summary Report 18 July)

OSLTF Emergency Fund Remaining	$31,259,096.73
Fed Project Ceiling	$359,500,000.00
Obligated funds to Date	$312,487,894.81
Fed project Ceiling Remaining	$47,012,105.19

BP CLAIMS SUMMARY: (BP Claims Report 16 July) Not reported on weekends.

- Total Number of Claims: 114,278
- Total Amount Disbursed: $177,130,787.00
- Number of Claims Denied: 0
- Number of Checks Disbursed: 64,102

BP CLAIMS CALL CENTER STATISTICS: (BP Claims 16 July) Not reported on weekends.

- Calls Received: 2,024
- Call operators: 164
- Checks written: 3,476
- Cumulative Checks written: 64,102
- Managers/adjusters in field: 1,097
- Claim Centers: 36

FUTURE PLANS (Next 24-48 hours): (UAC Sit Exec Sum 18 July)

- Continue to monitor VOCs; utilize dispersants as necessary
- Capping stack: continue well integrity test and monitor with sonar and seismic surveys
- Q4000: stand by to resume containment if required
- HELIX PRODUCER: stand by to resume containment if required
- DDII: on hold pending DDIII relief results
- DDIII: complete ranging run #13 and prepare to set 9 5/8" casing
- CLEAR LEADER: rig up and test well-test equipment
- CDP-2: install buoy on first free standing riser
- ENTERPRISE: stand by with top hat #7

NIC STRATEGIC EFFORTS:

- **FRTG Flow Rate Analysis**
  This improved estimate is based on more and better data that is available after the riser cut data which helps increase the scientific confidence in the accuracy of the estimate. As the Government continues to collect additional data and refine these estimates, it is important to realize that the numbers can change. In particular, because the upper number is less certain, it is important to plan for the upper estimate plus additional contingencies immediately. The most likely flow rate of oil is between 35,000 and 60,000 barrels per day.
- **International Engagement Strategy**
  Interagency Strategic Planning (IASP) maintains country specific files on the potential for Impact from the DWH pollution incident on foreign countries. To date, IASP provided briefs to DOS on projections for impact to Cuba, Bahamas, and Bermuda. Brief for Mexico is tentatively scheduled for 4 August. DOS confirming meeting participants. If the potential for oil impact on a foreign country becomes likely, IASP will inform DOS; DOS will provide official notification to the country.
- **Hurricane/Severe Weather Contingency Plan**
  UAC Hurricane/Severe Weather Contingency Plan Revision 4.0 has been published to HSIN. Hurricane planning continues at Unified Area Command and Unified Incident Commands. Personnel Accountability Unit use of the PIER messaging system is being incorporated into the UAC Area Plan.
- **NIC Strategy Implementation**
  NIC Strategy Implementation doctrine version 2.0 has been disseminated and posted on HSIN.
- **Coast Guard/EPA Emergency Regulation**
  The Coast Guard and the Environmental Protection Agency (EPA) continue to take steps to ensure that vital oil spill response equipment currently stationed throughout the country is available to join the fight against BP's leaking oil in the GOM. On 30 June, a joint Coast Guard-EPA temporary interim rule, was published in the Federal Register and became effective. The rule temporarily lowers timing thresholds that require identification and staging of oil spill response equipment around the country in case of an oil spill—freeing up some resources for deployment to the Gulf. Essentially this means that we are temporarily reducing the time in which equipment, including vessels, must be available and "at the ready" for an oil spill so that we can battle the BP oil spill with an even greater force than we have already mobilized.
- **Coast Guard Safety Zone Establishment (Boom Protection)**
  The Captains of the Port for Morgan City, LA, New Orleans, LA, and Mobile, AL, under the authority of the Ports and Waterways Safety Act, has established a 20-meter safety zone surrounding all Deepwater Horizon booming operations and oil response efforts taking place in Southeast Louisiana. The safety zone has been put in place to protect members of the response effort, the installation and maintenance of oil containment boom, the operation of response equipment and protection of the environment by limiting access to and through deployed protective boom. Violation of a safety zone can result in up to a $40,000 civil penalty. Willful violations may result in a class D felony. The US Coast Guard and Joint Information Center have approved Media Vessel Credentialing. They are authorized to travel within the 20m boom safety zone for media activities. They have been made aware that the area is an operational area and there may be many boats engaged in oil spill recovery activities. Media Vessel Credentials are issued by the Joint Information Center, New Orleans, LA.

Media	**Social Media**
NOLA JIC • Prepared for Monday morning Press Briefing with Admiral Zukunft at 10:00 a.m. 7/19/2010. • Prepared a Monday afternoon media over-flight with Admiral Zukunft and CBS News. • Processed 11 applications for Safety Zone Media Access Credentials for a total of 281 since inception. **Houma JIC** • Provided an operational overview interview with Mike Ustler of CBS Evening News; interviews the St Tammany Branch Chief on Lake Pontchartrain; French TV in the Venice, LA responder village for imagery with BP PR rep. **Florida Peninsula JIC** • Was not engaged with national media. **Mobile JIC** • Was not engaged with national media. **Galveston JIC** • Was not engaged with national media.	• DHR social platforms received positive commentary in response to the Q&A with the operations section chief at the Florida Peninsula Command Post and the release requesting public help in reporting banded birds to help with scientific research. • There is some comment that the capping of the well has allegedly caused the opening up of fissures in the sea floor. Concern expressed on AP reported seepage and methane leaking near Deepwater Horizon well. • There is still noteworthy interest in the status of the well cap and the current results from the well integrity test across all social media platforms. • There was early buzz about a new "Joe the Plumber" – the individual who allegedly designed the new cap and has a plumbing background. Many lauded Joe's efforts, but expressed concern that the capping process may have been delayed because Joe is not involved in the response. • Continued training with the newest member of the online communications team

Community Relations	**Government Relations**

• CR Teams in FL, MS, and LA have provided Deepwater Horizon Response information in ten languages to CBOs, FBOs, churches, local elected officials and businesses reaching nearly 350,000 individuals.
• CR Teams continue to identify trends and issues throughout affected communities:
  o The need for crisis counseling continues to be reported by religious and social service group leaders.
• On the horizon:
  o July 18, Terrebonne Parish, Protect Our Coastline Concert, 3pm, Houma, LA
	• Daily Governors Teleconference – briefing by RADM Neffenger, USCG, and Lisa Compton, USDA.
	• Local Officials Teleconference – briefing by NOAA, [redacted] CAPT Martin.
	• Sector St. Petersburg will participate in a Collier County, FL officials meeting to discuss Deepwater Horizon Response and county planning efforts

Unified Area Command Daily External Affairs Report
Summary July 18, 2010

Key Message/Messages

We will stay in the fight as long as it takes and will continue to strategically deploy assets to fight the oil as far offshore as possible, and quickly and effectively clean the impacted coastline. Our commitment to you has been and still is-to fight the oil on all fronts and minimize community and environmental harm and we are dedicated to fighting for the Louisiana way of life.

Key Efforts

Future Events and Issues (All times CDT)

Summary of Future Media Events for JICs

UAC NOLA JIC will support a morning Press Briefing with Admiral Zukunft at 10:00am in New Orleans Monday 7/19/2010; will support an afternoon media over-flight with Admiral Zukunft and CBS News.

Florida JIC has an interview on19 July for [redacted] of DOI with [redacted] from Florida Insider Fishing Report. Subject of interview is planning and response activities specific to the Florida Peninsula; on 2 August: WUSF 89.7 FM (NPR) Tampa will Interview Capt. Dickinson on his role as both captain of the port and Branch St. Petersburg federal on-scene coordinator.

Staff is reaching out to Gainesville media market for embed opportunities to improve media representation of oil spill response activities in their area.

Galveston JIC has no future media events scheduled.

Houma JIC will support a CBS News interview Monday 7/19 with Admiral Zukunft; The HBO wildlife documentary continuing tomorrow; Popular Mechanics phone interview with Capt. Laferriere on 7/19; CBS Morning show interview Harry Reid with RADM Z; on 7/20-7/21 [redacted] Der Spiegel Magazine on deck with photographer [redacted] Media Day at Hammond Bird Rehabilitation Center on 7/21; [redacted] Getty Images on site to cover all aspects of the operation here in Grand Isle on 7/21-7/22.

Mobile JIC has CNN scheduled to do a story on the Navy Airship 7/20/10; a media flight 7/20; a media flight 7/21; a media event for donation of shallow water wildlife operations boat by Dragonfly Boatworks and [redacted] to the Friends of Bon Secour National Wildlife Refuge on 7/19aat Gulf Shores, AL; Fox News request for MS beach "back drop" for broadcasting news on 7/19.

Governmental Relations:

Engagement with Government Officials – Sunday July 18, 2010

AM	Congressman Taylor meeting with MS State booming coordinator at Bay St. Louis regarding state boom strategy in the bay. No ICP involvement.
0800	Daily Governors Teleconference – briefing by Captain Gautier.
1045	EPA General Counsel [redacted] visit to UAC.
1400	Local Officials Teleconference – briefing by NOAA, CAPT Jillson, CAPT Polk.
1400	Congressional Teleconference.
1415	EPA General Counsel Source Overflight of Grand Isle and Beach Tours.
ALL DAY	International Observers Program visit to UAC.
TBD	Branch St. Petersburg will participate in a Collier County officials meeting to discuss DHR response and county planning efforts.
TBD	Responding to a special request made by Congressman Alcee Hastings (D-FL/23rd), [redacted] will speak to a group of approximately 60 students teachers, and administrators with the Qatar Foundation International Summer of Science and Service Program, who will be visiting the Tampa, FL area, about the oil spill's impact on the region and the clean-up effort.

Future Media Events for Government Relations

Monday, July 19

TBD	Branch St. Petersburg will participate in a Collier County officials meeting to discuss DHR response and county planning efforts.
TBD	Responding to a special request made by Congressman Alcee Hastings (D-FL/23rd), [redacted] will speak to a group of approximately 60 students teachers, and administrators with the Qatar Foundation International Summer of Science and Service Program, who will be visiting the Tampa, FL area, about the oil spill's impact on the region and the clean-up effort.
TBD	EPA officials overflight of Grand Isle and Beach Tours.

Tuesday, July 20

TBD	International Observers Program visit to UAC
TBD	Senator Sessions' staff tour of ICP Mobile and overflight.

Wednesday, July 21

1200	RADM T. Sullivan, FORCECOM and CAPT Brian Marvin, FC-5 at ATC Mobile. No ICP Mobile involvement.
TBD	International Observers Program

Thursday, July 22

0745	RADM T. Sullivan, FORCECOM and CAPT Brian Marvin, FC-5 on site for Governors' call and tour of ICP Mobile.
0900	MS State Representatives tour of the ICP and ICS 101 brief.
1300	Deputy Secretary Lute visit to DEEPWATER HORIZON Aviation Coordination Command (ACC) at Tyndall AFB.
1530	Deputy Secretary Lute to visit FOB at NAS. CAPT Poulin to attend.
TBD	VPOTUS visit to Dauphin Island and overflight.
TBD	Vice Commandant, VADM Brice-O'Hara, overflight and tour of ICP Mobile.

Friday, July 23

1500	VADM Brown, PACAREA, visit to CGC Walnut and her Change of Command.
TBD	FLOTUS, Commandant, Vice Commandant, and PACAREA visit to Pascagoula for commissioning of USS Stratton at Northrop Grumman.

Community Relations:

ALABAMA

Summary of Activities

All Counties

- Nothing to report

Mobile County

Bayou la Batre:

- Visited the Claims Center and spoke with claims adjustor to provide the office with 15 handouts each of Deepwater Horizon Response in Spanish, Thai, Korean, Croatian, Vietnamese, Laotian and 20 of each IRS in Korean, Vietnamese, Haitian, French, Thai, Croatian, Cambodian, Laotian and Russian. The claims adjustor requested to have

  A Vietnamese speaking CR language specialist to serve as an interpreter at the claims office when the Bilingual Vietnamese speaking claims adjustor has his day off. CR language specialist stated she will submit a request to LEP coordinator and contact claims adjustor for CR availability.
- At the request of the claims office assistant CR language specialist interpreted for one Vietnamese speaking claimant who inquired about the VOO program.

Tomorrow's Activities

All Counties

- No CR activity planned.

FLORIDA PANHANDLE

Summary of Activities

Escambia County

- Participated in the BP Community Outreach event at the Hilton Hotel on Pensacola Beach.
  - Representatives from USCG, BP operations, BP claims, National Park Service, Fish & Wildlife, EPA, DHS and the VOO program attended.
  - CR Outreach Team from Escambia County and Santa Rosa County distributed Hurricane and Oil Spill fliers, BP Tri-Fold, Claims and the Deepwater Horizon Incident and Oil Spill flyers, FAQ fliers and NOAA Hurricane fliers. There were no concerns or issues voiced regarding the claims process and everyone was well received.
  - Several individuals asked about employment opportunities with the VOO program or the beach clean-up. They were referred to Work Source to complete an application for beach clean-up positions and to Parsons, the company responsible for the VOO program. Parsons had a table for the event.

Santa Rosa County

- DHS CR from Escambia and Santa Rosa staffed an information table with the BP Claims representative at the BP Community Outreach event at the Hilton Hotel on Pensacola Beach. The following handouts were provided to visitors: BP Tri-Fold, Claims and the Deepwater Horizon Incident; Hurricane and Oil Spill; Frequently Asked Questions (Individual and Business); Claims and Escrow Sheet.
- Participating representatives were USCG; BP Operations; BP Claims; Department of Homeland Security; National Park Service; Fish and Wildlife and EPA Program.
  - The USCG gave a presentation dealing with response principles and the Incident Command Post and the number of individuals responding to the incident.
  - BP provided an overview of their services and response to the oil spill and on-going efforts.
- Following the presentations, each group returned to their respective tables and the general public was directed to visit the areas of interest and concerns. There were no issues or concerns raised by the visitors to the BP Claims table.
- Several individuals inquired about employment opportunities with the VOO program or the beach clean-up. They were referred to Work Source to complete applications for beach clean-up positions and to Parsons, the company responsible for the VOO program. Parsons was represented at a table for this event.

Walton County

Paxton:

- Distributed BP Tri-folds, Filing a Claim is Free, USDA, IRS and Q and A handouts to four businesses (18 employees). One owner said his business is down 30%, Stopped at seven churches and spoke with a member of one (25 members), Masonic Lodge, City Hall (no one present), Post Office where Clerk allowed material placed for public use and the fire department where [redacted] said they would pass information to anyone in need.

Community of Liberty:

- Distributed same as above BP handouts to four churches and spoke with a member of one church (40 members) who will post for congregation and one business (one employee) on Hwy 331 S, a heavy traveled beach route, who said his business has dropped and he will consider filing a claim.

Santa Rosa Beach:

- Spoke with Assistant Manager of the Claims Center who said she would print and post IRS flier in all 16 languages. No issues or concerns for CR outreach Team.

Tomorrow's Activities

All Counties

- All FL teams off Sunday, July 18, 2010.

MISSISSIPPI

Summary of Activities

Hancock County

- Provided CR support at an information table from 9:00am – 3:00pm at the Red Cross Disaster Rally held at the WIN
- Job Center in Waveland. Approximately 80 individuals visited the table and received the BP How to File a Claim tri-
- No requests were made for LEP handouts which were available for distribution.
- CR outreach team member was interviewed by WQRZ-LP, a local radio station. Questions included what the DHS team was doing at the rally and in the area. CR team member explained the DHS-CR outreach mission and how the field teams were working closely with BP and USCG liaisons to encourage those individuals and businesses affected by the oil spill to file a claim with BP.

Harrison County

- Provided information material to seven businesses (112 employees) one of which was affected by the oil spill suffered a 45% loss of revenue. Those affected were encouraged to file a claim with BP.
- Five businesses reported no decline in their business since the oil spill but they are concerned it may affect future endeavors.

Jackson County

- Jackson County field team joined Hancock team to provide CR support at an information table from 9:00am – 3:00pm at the Red Cross Disaster Rally held at the WIN Job Center in Waveland. Approximately 80 individuals visited the table and received the BP How to File a Claim tri-fold. No requests were made for LEP handouts which were available for distribution.

Tomorrow's Activities/On the Horizon

All Counties

- All MS teams off Sunday, July 18, 2010.

LOUISIANA

Summary of Activities

Jefferson Parish

Bridge City Community:

- CR distributed BP fact sheets (English, Vietnamese, Spanish and Cambodian), Attorney fliers (English, Spanish and Vietnamese), IRS News Release, Gulf Oil Spill Q&A, USDA fact sheets (English and Vietnamese) and SBA information to one grocery store and three houses of worship.
  - Bridge City is a small community where the primary industry is the shipyard; individuals say they have not been affected by the oil spill in this area.

Grand Isle:

- CR met with Lafourche Parish CR Team and BP PIO to transition Grand Isle outreach to Lafourche CR Team.
  - CR observed more activity than in past visits: people out fishing on piers, bridges, and waterways. Businesses are staying open later than about two weeks ago. Even with more activities occurring in the community souvenir shops remain closed.

Lafourche Parish Team now covering Grand Isle:

- CR Team attended a meeting to discuss local community and economic issues including how the community is responding to relief efforts and the partnership of BP and DHS CR staff. Present were White House Domestic Policy Council and Legislative Affairs Staff, the BP Community Liaison, USCG and DHS staff members.
- CR Team attended a Unified Command Meeting, Planning and Review, with BP CR at the Grand Isle Branch Command Center.
- During the meeting the mayor of Grand Isle acknowledged being cautiously optimistic about the well cap. He also stated he has established a good working relationship with the BP CR Team and Coast Guard.

St. Tammany Parish

City of Madisonville:

- CR team provided BP tri-folds and claims fact sheets to a marina and the city museum.
  - He provided CR Team with the phone number of a Madisonville resident who has lost income in a trucking business since the spill. CR will follow up.
  - He informed CR that a local fisherman committed suicide after the spill because he felt his way of life was ending. He said everyone he talks to is depressed. CR will inform BP CR of the marina owner's concerns.
- CR spoke with the manager of the museum who is showing an exhibit related to the oil spill. BP CR was informed of the exhibit.

Town of Pearl River:

- CR Team spoke with the owner of a boat repair business affected by the oil spill. CR provided BP contact information and explained the claims process. The owner has not yet filed a claim; he has heard about the claims process through the media but had not received any information. He expressed gratitude for the CR visit.

City of Slidell:

- CR Team attended the afternoon session of Vessels of Opportunity training held at the North shore Harbor Center in the City of Slidell. Forty seven people attended the session conducted in English; seventeen attended the session conducted in Vietnamese.

Tomorrow's Activities/On the Horizon

All Parishes

- Joint CR teams will visit local businesses, churches, FBOs, CBOs, and local elected officials providing BP claims information to residents in affected communities.

Issues/Activities and Status

- Increased requests from local and state officials and now non governmental agencies for USCG overflights and ICP visits. Air Operations indicates their flight documentation is being scrutinized by Finance section on passenger lists for flights and being told that flights that have no true MEP missions are not paid for under OPA-90. Need policy or guidance on how to handle these.
- Governor Riley and Alabama Representative Spencer Collier requesting that federal royalties from off shore drilling be shared with Alabama and Mobile and Baldwin County specifically.

Trends

- Elected officials have begun to ask much more technical questions than they have previously been asking.
- The 43-inch lighted boom installed in Hancock County, MS under the Magnolia plan has already been run over by local mariners. The CG LNO reports that this trend looks to continue during overnight hours.

JOINT INFORMATION CENTER
24-HOUR SUMMARY

UPDATED July 18, 2010 7 PM

PAST 24 HOURS

Admiral Allen Directs BP to Provide Updates and Next Steps for Well Integrity Test
Admiral Allen sent a letter to BP Chief Managing Director [redacted] regarding the well integrity test. Click here to view the letter.

Admiral Allen also reiterated the circumstances surrounding the well integrity test:
"Work must continue to better understand the lower than expected pressure readings. This work centers on two plausible scenarios, depletion of oil from the reservoir and potential leakage caused by damage to the well bore or casing.

"While we are pleased that no oil is currently being released into the Gulf of Mexico and want to take all appropriate action to keep it that way, it is important that all decisions are driven by the science. Ultimately, we must ensure no irreversible damage is done which could cause uncontrolled leakage from numerous points on the sea floor."

Federal Scientists Ask for Help from the Public in Tracking Treated & Released Wildlife
With large numbers of birds being rescued, treated, and relocated in the Gulf States as a result of the BP oil spill, people seeing banded birds are asked to report sightings. As part of this unprecedented unified response to the BP oil spill, federal scientists are asking the public to help report oiled wildlife, as well.

A large percentage of captured birds are being successfully treated and released back into the wild. These birds are being fitted with leg bands that provide identifying information to assist federal scientists from the U.S. Fish and Wildlife Service, U.S. Geological Survey and other organizations in studying these birds after release.

Scientific information being collected from this oil spill will expand the scope of knowledge that bird researchers and other scientists will have in the future to help ensure the health of migratory birds. Among other information, scientists will learn the extent to which released birds return to their original habitat.

People who see the birds are asked to report sightings to the National Bird Banding Lab online: http://www.pwrc.usgs.gov/bbl/default.htm. Reporting the band number and the bird's location will help biologists understand the movements and survival of the birds after their release.

Progress Continues in Drilling Relief Wells

The drilling of relief wells continues. The Development Driller III resumed drilling operations, which were temporarily put on hold in order to avoid interference with the well integrity test, and has drilled the first relief well to a depth of 17,840 feet below the Gulf surface. The Development Driller II has drilled the second relief well—a redundancy measure taken at the direction of the administration—to a depth of more than 15,960 feet below the surface.

Personnel Continue Wildlife Rescue and Recovery Missions Across the Region
From the Houma, La., Incident Command Post, a total of 295 personnel, 83 vessels and four helicopters participated in reconnaissance and wildlife rescue and recovery missions. From the Mobile, Ala., Incident Command Post, 39 two-person teams, 22 support personnel and 11 vessels responded. These missions were conducted in response to calls received on the Wildlife Hotline to report of oiled and injured wildlife. To report oiled wildlife, call (866) 557-1401.

By the Numbers to Date:

The administration has authorized the deployment of 17,500 National Guard troops from Gulf Coast states to respond to this crisis; currently, 1,619 are active.

Approximately 42,000 personnel are currently responding to protect the shoreline and wildlife and cleanup vital coastlines.

More than 6,490 vessels are currently responding on site, including skimmers, tugs, barges, and recovery vessels to assist in containment and cleanup efforts—in addition to dozens of aircraft, remotely operated vehicles, and multiple mobile offshore drilling units.

More than 3.4 million feet of containment boom and 7.2 million feet of sorbent boom have been deployed to contain the spill—and approximately 852,000 feet of containment boom and 3 million feet of sorbent boom are available.

More than 34.2 million gallons of an oil-water mix have been recovered.

Approximately 1.84 million gallons of total dispersant have been applied—1.07 million on the surface and 771,000 sub-sea. Approximately 574,000 gallons are available.

409 controlled burns have been conducted, efficiently removing a total of more than 11 million gallons of oil from the open water in an effort to protect shoreline and wildlife. Because calculations on the volume of oil burned can take more than 48 hours, the reported total volume may not reflect the most recent controlled burns.

17 staging areas are in place to protect sensitive shorelines.

Approximately 615 miles of Gulf Coast shoreline is currently oiled—approximately 352 miles in Louisiana, 112 miles in Mississippi, 69 miles in Alabama, and 82 miles in Florida. These numbers reflect a daily snapshot of shoreline currently experiencing impacts from oil so that planning and field operations can more quickly respond to new impacts; they do not include cumulative impacts to date, or shoreline that has already been cleared.

Approximately 83,927 square miles of Gulf of Mexico federal waters remain closed to fishing in order to balance economic and public health concerns. More than 65 percent remains open. Details can be found at http://sero.nmfs.noaa.gov/.

To date, the administration has leveraged assets and skills from numerous foreign countries and international organizations as part of this historic, all-hands-on-deck response, including Argentina, Belgium, Canada, China, Estonia, France, Germany, Greece, Ireland, Japan, Kenya, Mexico, Netherlands, Norway, Qatar, Russia, Spain, Sweden, Taiwan, Tunisia, United Arab Emirates, United Kingdom, the United Nations' International Maritime Organization, the European Union's Monitoring and Information Centre, and the European Maritime Safety Agency.

National Incident Command
0630EDT – 19 July 2010
Deepwater Horizon Spill Response

LOOP CURRENT

Deepwater Horizon MC252

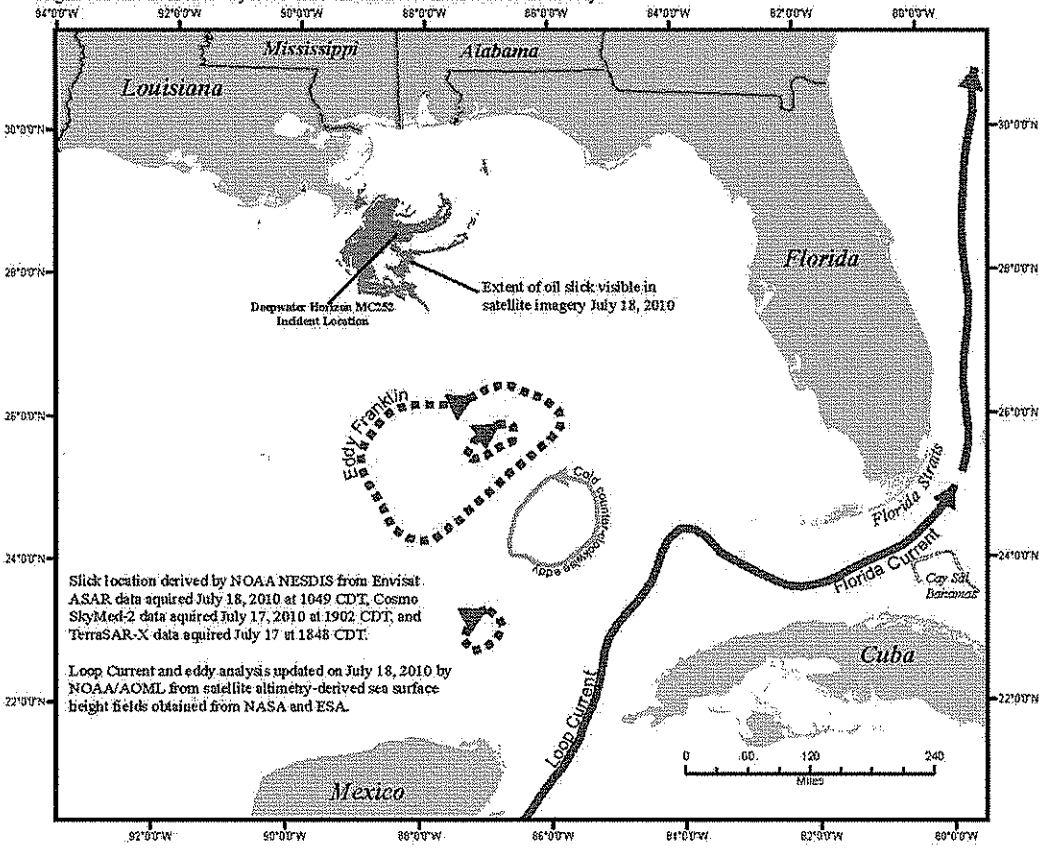
Loop Current Location Relative to Oil Slick
July 18, 2010

The National Oceanic and Atmospheric Administration (NOAA) is closely monitoring the Deepwater Horizon MC252 (BP oil spill) slick's proximity to the Loop Current in the Gulf of Mexico:

- The Loop Current is an area of warm water that comes up from the Caribbean, flowing past the Yucatan Peninsula (Mexico) and into the Gulf of Mexico.
- It generally curves east across the Gulf and then flows south parallel to the west Florida coast; there it becomes the Florida Current as it moves through the Florida Straits, joins the Gulf Stream and travels up the Atlantic Coast, veering progressively farther away from the coast.
- Sometimes the northern part of the Loop Current separates from the main Loop Current, forming a large rotating region of water, known as an eddy.
- There are also smaller eddys that form along the edges of the Loop Current.

Both the location of the Loop Current and location of the oil slick are dynamic and constantly changing. The present location of the oil is identified daily through analysis of satellite imagery, observer overflights and advanced technology on aircraft. This information is also keeping us informed of how far away the oil is from the Loop Current each day. If oil from the spill enters the Loop Current, it would take at least a few days or more to reach the Florida Straits. During this transit time, the natural processes of evaporation and dispersion would reduce the oil volume significantly, and make it less toxic. The remaining oil would be mostly in the form of tarballs.

The figure below, updated daily, shows the location of the oil spill based on satellite imagery. It also depicts the present location of the Loop Current, an eddy north of the Loop Current called Eddy Franklin, and two smaller eddies associated with Eddy Franklin. There has been no indication of oil in or near the Loop Current for over four weeks. Much of the visible slick has moved to the south and east, but with little northerly wind in the forecast, Eddy Franklin separated from the Loop Current, and no eddies in position to move oil toward Eddy Franklin, the risk of the Loop Current transporting a significant amount of oil is very low. NOAA will continue to monitor the situation daily.



Map prepared July 18, 2010 by
NOAA Emergency Response Division

FISHERIES STATUS

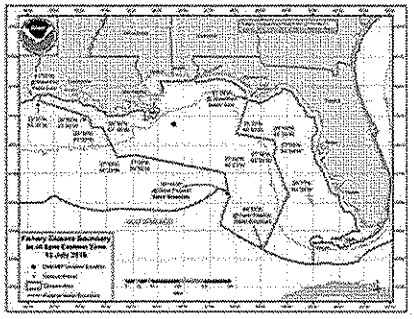
Southeast Fishery Bulletin
National Marine Fisheries Service, Southeast Regional Office, 263 13th Avenue South, St. Petersburg, Florida 33701-5505

FOR INFORMATION CONTACT:
[redacted]

July 13, 2010
FB10-064

BP Oil Spill: NOAA Modifies Commercial and Recreational Fishing Closure in the Oil-Affected Portions of the Gulf of Mexico

Current revisions to the closure, described below, will be effective on **July 13, 2010 at 6 p.m. eastern time** (5 p.m. central time). All commercial and recreational fishing including catch and release is prohibited in the closed area; however, transit through the area is allowed.



[redacted]

The new closure measures 83,927 sq mi (217,371 sq km) and covers about 35% of the Gulf of Mexico exclusive economic zone. The majority of federal waters in the Gulf of Mexico are open to commercial and recreational fishing.

Modeling and mapping the actual and projected spill area is not an exact science. NOAA Fisheries Service strongly advises fishermen not to fish in areas where oil or oil sheens (very thin layers of floating oil) are present, even if those areas are not currently closed to fishing.

The closed area is bounded by rhumb lines connecting, in order, the following coordinates:

North latitude	West longitude
At state/federal line	85° 29′
28° 23′	85° 55′
28° 10′	84° 30′
27° 55′	84° 24′
27° 38′	84° 30′
26° 17′	83° 56′
At outer federal line	84° 53′
Follow the outer boundary of federal waters northerly to...	
The outer federal line	86° 16′
27° 02′	86° 23′
27° 39′	89° 50′
27° 35′	90° 33′
28° 36′	91° 08′
28° 36′	91° 32′
28° 58′	91° 40′
29° 31′	93° 36′
At the state/federal line	93° 30′
Follow the state/federal water line easterly to beginning point	

Reminders

If state waters are closed to fishing due to the oil spill, all vessels must comply with that closure. If state waters are not closed to fishing due to the oil spill, federally permitted vessels may fish in those waters while abiding by all other applicable regulations.

Permit holders are reminded to maintain their federal vessel permits by submitting timely reporting requirements and renewal applications, even if the vessel is not currently engaged in fishing activities.

Guice, Abdul LT

From: HQS-CGHQCAC1
Sent: Saturday, July 10, 2010 3:32 PM
To: HQS-DG-LST-NIC-Situation Briefing
Cc: HQS-PF-fldr-NIC HQ Situation Unit
Subject: NIC Bulletin: BP Houston update - Top hat is off

Good Afternoon ADM Allen:

Top hat is off; vessels being repositioned so flange removal process can begin. Special designed dispersant wand being inserted. A J-hook in being used to reach down into the opening and increase effectiveness.

v/r,

[redacted]
National Incident Command
Situation Unit
[redacted]

Guice, Abdul LT

From: HQS-PF-fldr-NIC HQ Situation Unit
Sent: Thursday, July 15, 2010 3:32 PM
To: HQS-DG-LST-NIC-Situation Briefing
Cc: HQS-PF-fldr-NIC HQ Situation Unit
Subject: NIC Bulletin: Choke Line closed and Source Secured

Categories: FYI

ADM Allen-

At 1328 EDT the well integrity test commenced. Over the course of the next two hours the choke line was closed (half-closed at 1405 EDT and 80% at 1454 EDT). As of approximately 1520 EDT, the choke line was closed and the source has been secured. Subsea dispersant injection has stopped at the source as well.

v/r
[redacted]
National Incident Command
Situation Unit - RFI Desk
[redacted]

[redacted]

From: [redacted]
Sent: Monday, May 17, 2010 10:12 PM
To: [redacted]; COP Manager; [redacted]; EOC DOC; FEMA-MACMAPS; FEMA-NRCC; [redacted] GISSupport; [redacted] HITRAC-IPRB [redacted]; ICC Deputy; Interior; IP.IMC; IRSCC WORKING GROUP; [redacted] NGA; NGA Support Team; NICC-GA; HQS-PF-fldr-NIC HQ Situation Unit; [redacted] NOC GIS-COP; NOC IMO; NOC NGA; NOC NOAA; NOC SWO; NOC SWO Restricted; NOC TRACKER; NOC-Director; OPS CAT [redacted] WMD OPS; [redacted]
Subject: NOAA Situation Update 17 May 10
Attachments: image001.jpg

Categories: FYI

NOAA Web Update May 17, 2010 DEEPWATER HORIZON Incident

Situation: Monday 17 May – Rear Admiral Landry helped share the news about the successful riser insertion over the weekend that BP is saying is producing oil from the riser. Landry also said it was going to be a good week for continuing to fight the oil spill at sea. The weather is good for controlled burns, dispersants at the surface and subsea, and the Mississippi River is high and pushing the oil back out into the Gulf.

A meeting is planned with federal wildlife experts who will discuss the latest numbers of wildlife that may have been affected by the Deepwater Horizon oil spill, and the potential for broader ecosystem impacts, as well as the ongoing response efforts to protect the Gulf of Mexico's national wildlife refuges, national parks, and species.

NOAA activities:

• NOAA spill specialists continue to advise the U.S. Coast Guard on cleanup options, as well as advising all affected federal, state, and local partners on sensitive marine resources at risk in this area of the Gulf of Mexico.

• NOAA is predicting the oil spill's trajectory and the path of the layers of oil floating on the surface. NOAA experts are conducting aerial surveys to update trajectory maps and visually track the movement of the spill.

• NOAA's National Weather Service is providing regular weather forecasts to a joint federal command center in Louisiana to facilitate operations planning and response efforts.

• For current information on fishery closures, please visit the NOAA Fisheries Southeast Fisheries Science Center website at http://sero.nmfs.noaa.gov/deepwater horizon oil spill.htm.

• NOAA is conducting a natural resource damage assessment and the focus currently is to assemble existing data on resources and their habitats and collect baseline (or pre-spill impact) data. Data on oiled resources and habitats are also being collected.

Response to date:

• Total response vessels: 559

• Containment boom deployed: over 1.2 million feet

• Containment boom available: nearly 200,000 feet

• Sorbent boom deployed: over 385,000 feet

• Sorbent boom available: over 870,000 feet

• Boom deployed: over 1.5 million feet (regular plus sorbent and fire boom)

• Boom available: over 1 million feet (regular plus sorbent and boom)

• Oily water recovered: more than 6 million gallons

• Dispersant used: over 517,000 gallon

• Dispersant available: more than 250,000 gallons

• Overall personnel responding: more than 17,000

[redacted]

NOAA Support Meteorologist

[redacted]

meatballs

[redacted]

From: National Command Center
Sent: Sunday, July 18, 2010 5:55 PM
To: HQS-PF-fldr-NIC-HQ-Email Archive
Subject: NOC Phase 2 - Concern 0455-10 Update Report 183 - DEEPWATER HORIZON Response - Gulf of Mexico 1800 EDT 18 Jul 10)
Attachments: Senior Leadership Brief DEEPWATER HORIZON Response - Gulf of Mexico (1800 EDT 18 July 10).docx

Importance: High

NOC Phase 2 - Concern 0455-10 Update Report 183 - DEEPWATER HORIZON Response - Gulf of Mexico

Current: The National Incident Command (NIC) confirms no oil is flowing from the well. The well integrity test remains satisfactory; pressure has increased to 6,782 pounds per square inch (PSI), increasing 1-2 PSI per hour. Relief well DDII is drilling ahead; at 1200 EDT, depth below sea floor was 10,743 feet. DDIII drilling ahead at 12,618 feet below sea floor. GECO TOPAZ is scheduled to complete two seismic runs today, 18 Jul; first north-south pass is complete. NOAA PISCES is scheduled to conduct several acoustic passes today, 18 Jul. There was one in situ burn conducted; no sub-sea or aerial dispersants were used today, 18 Jul.

Future: The National Oceanic and Atmospheric Administration (NOAA) forecasts south-southeast winds at 5 - 10 knots, seas 2 feet. The Department of Homeland Security National Operations Center will continue to monitor this event and provide updates as warranted. The next Senior Leadership Brief will be published at 0500 EDT 19 Jul.

Other: In Florida, beach cleanup continues, and no new oiling reported. National Parks Service (NPS) personnel continue oversight of clean up operations on NPS land. The US Coast Guard (USCG) Cutter MANATEE was dispatched to tie up 300 feet of dislodged boom in a ship channel. USCG Base Gulfport, MS confirmed boom was moved from the channel and a light installed.

Background: On 21 Apr 10, the USCG reported an ongoing fire after an explosion onboard a mobile drilling platform, DEEPWATER HORIZON, off the coast of LA.

DHS Senior Leadership Brief:

DEEPWATER HORIZON RESPONSE

Gulf of Mexico

1800 EDT 18 July 2010

Updates in bold blue

Secretary of Homeland Security Priorities

· Ensure Responsible Party (RP) continues efforts to permanently stop the oil leak.

· Ensure all capabilities (government, private, and commercial) and resources are being leveraged to protect the environment and facilitate a rapid, robust cleanup effort.

· Ensure every effort is being made to include and inform the local communities in support of response operations.

Current Situation

· Oil Stoppage

o Well Integrity Plan

§ Well Integrity Test ongoing. (NIC)

· Oil flow remains secured.

o Pressure on three ram capping stack increased to 6,782 pounds per square inch.

· Seismic testing results show no anomalies detected.

o GECO TOPAZ scheduled to complete two seismic runs 18 July.

o NOAA PISCES scheduled to conduct several acoustic passes 18 July.

o Long Term Containment and Disposal Project (CDP)

§ CDP-1: HELIX PRODUCER remains shut down. (NIC)

§ CDP-2: Estimated start up is 24 July. (NIC)

o Relief Wells

§ Drill Rig DDIII (first relief well) relief well operations ongoing; drill depth 12,618 ft below sea floor (17,867 ft below drill floor). (NIC)

§ Drill Rig DDII (second relief well) conducting maintenance; drill depth 10,743 ft below sea floor (15,961 ft below drill floor). (NIC)

o Oil/Gas Recovery

§ Q-4000 remains shut down. (NIC)

§ Total oil/gas recovered/flared to date: 827,033 barrels of oil and 1,865.3 million cubic ft of gas. (NIC)

o Lower Marine Riser Package (LMRP) TOP HAT

§ ENTERPRISE has deployed TOP HAT 7 to the sea floor. (NIC)

· Oil Flow

o Flow Rate Technical Group (FRTG) estimates oil discharged to date is 3,000,000 – 5,200,000 barrels. (NIC)

· Oil Landfall

o Current amount of shoreline impacted: 616 miles. (NIC)

o AL: (NIC)

§ Boom maintenance continues.

§ Light impact of oil and tar balls in Mobile County.

§ Beach cleanup continues.

o FL: (NIC)

§ No new oiling reported; beach cleanup continues.

§ Boom inspection and maintenance continues.

o LA: (NIC)

§ Currently only light oiling found; heavy oil impact decreased.

§ Continue to monitor oil sightings around the MS Delta.

o MS: (NIC)

§ Cleanup operations limited due to weather.

§ Crews responded to reports of light tar balls at Bell Fontain, Lake Mars, and Pascagoula Beach.

o TX: (NIC)

§ No new oiling reported.

§ Rapid Assessment Team activities continue.

· Operations

o 1 In Situ Burn (ISB) conducted 18 July. (NIC)

o Booming/skimming operations continue, weather permitting. (NIC)

§ Oily water mixture recovered to date: 816,029 barrels.

· Health Concerns

o Heat stress remains the primary concern for response workers. (OHA)

· Dispersants

o No aerial dispersant flight flown 18 July. (NIC)

o Subsea dispersant injection has stopped. (NIC)

· Shipping Channels/Ports

o All shipping channels/ports remain open in the Gulf Coast Region. (USCG)

o To date, a total of 6 vessels have required decontamination. (NIC)

· Assets on Scene:

o Personnel: 41,990 (NIC)

o Boom to date: 9,516,853 ft (3,357,351 containment/6,159,502 sorbent) (UAC)

o Dispersant to date: 1,843,586 gals (1,072,314 surface/771,272 subsea) (NIC)

o Total vessels assigned: 6,499 (NIC)

o Fixed-wing aircraft: 44 (NIC)

o Helicopters: 71 (NIC)

Federal Agencies/Departments

· US Coast Guard (USCG)

- A task force unit from Forward Operating Base Lafourche, LA secured approximately 300 ft of dislodged boom 18 July; no further action required.

- Customs and Border Protection (CBP)

o Predator aircraft providing oil plume tracking imagery; hours to date: 34.2.

o Providing flight advisory information to aircraft participating in disaster response and video to track oil plume movement; mission-hours to date: 1,182.4.

- Federal Emergency Management Agency (FEMA)

o Supporting NIC activities and Federal On-Scene Coordinator.

- Department of Agriculture (USDA)

o Animal and Plant Health Inspection Service providing wildlife recovery services.

- Department of Defense (DoD)

o 1,552 National Guard members activated in LA, MS, AL, and FL.

- Department of Energy (DOE)

o Assisting Unified Area Command and supporting interagency solutions group.

- Environmental Protection Agency (EPA)

o Continuing to sample air, water, sediment, and waste.

- Health and Human Services (HHS)

o Total personnel deployed: 71

- Department of the Interior (DOI)

o National Parks Service (NPS) personnel continue oversight of cleanup operations on NPS land.

- National Oceanic and Atmospheric Administration (NOAA)

o Weather forecast:

§ Sun., 18 July: Southeast winds 5-10 knots; seas 2 ft.

§ Mon., 19 July: East-southeast winds 10 knots; seas 2-3 ft.

§ Tues., 20 July: East-southeast winds 15-17 knots; seas 3-4 ft.

- Department of State (DOS)

o Assisting in coordinating the response to offers for international assistance.

Critical Infrastructure Key Resources (CIKR)

- National Infrastructure Coordinating Center (NICC)

o Continuing to monitor CIKR.

State and Local Agencies

- AL, FL, LA, MS and TX are communicating with DHS daily.

National Operations Center

- Current Posture: Phase 2 - Concern; Crisis Action Team activated.
- The next SLB will be published at 0500 EDT 19 July.

Vr.

[redacted]

Assistant Senior Watch Officer

U.S. Department of Homeland Security

National Operations Center - Washington, DC

[redacted]

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DHS Senior Leadership Brief: DEEPWATER HORIZON RESPONSE Gulf of Mexico 1800 EDT 18 July 2010

Updates in bold blue

Secretary of Homeland Security Priorities

- Ensure Responsible Party (RP) continues efforts to permanently stop the oil leak.
- Ensure all capabilities (government, private, and commercial) and resources are being leveraged to protect the environment and facilitate a rapid, robust cleanup effort.
- Ensure every effort is being made to include and inform the local communities in support of response operations.

Current Situation

- **Oil Stoppage**
  - **Well Integrity Plan**
    - Well Integrity Test ongoing. (NIC)
      - Oil flow remains secured.
        - **Pressure on three ram capping stack increased to 6,782 pounds per square inch.**
      - Seismic testing results show no anomalies detected.
        - **GECO TOPAZ scheduled to complete two seismic runs 18 July.**
        - **NOAA PISCES scheduled to conduct several acoustic passes 18 July.**
  - **Long Term Containment and Disposal Project (CDP)**
    - CDP-1: HELIX PRODUCER remains shut down. (NIC)
    - CDP-2: Estimated start up is 24 July. (NIC)
  - **Relief Wells**
    - **Drill Rig DDIII (first relief well) relief well operations ongoing; drill depth 12,618 ft below sea floor (17,867 ft below drill floor). (NIC)**
    - **Drill Rig DDII (second relief well) conducting maintenance; drill depth 10,743 ft below sea floor (15,961 ft below drill floor). (NIC)**
  - **Oil/Gas Recovery**
    - Q-4000 remains shut down. (NIC)
    - Total oil/gas recovered/flared to date: 827,033 barrels of oil and 1,865.3 million cubic ft of gas. (NIC)
  - **Lower Marine Riser Package (LMRP) TOP HAT**
    - ENTERPRISE has deployed TOP HAT 7 to the sea floor. (NIC)

- **Oil Flow**
  - Flow Rate Technical Group (FRTG) estimates oil discharged to date is 3,000,000 – 5,200,000 barrels. (NIC)

- **Oil Landfall**
  - Current amount of shoreline impacted: 616 miles. (NIC)
  - AL: (NIC)
    - Boom maintenance continues.
    - Light impact of oil and tar balls in Mobile County.
    - Beach cleanup continues.
  - FL: (NIC)
    - No new oiling reported; beach cleanup continues.
    - Boom inspection and maintenance continues.
  - LA: (NIC)
    - Currently only light oiling found; heavy oil impact decreased.
    - Continue to monitor oil sightings around the MS Delta.
  - MS: (NIC)
    - Cleanup operations limited due to weather.
    - Crews responded to reports of light tar balls at Bell Fontain, Lake Mars, and Pascagoula Beach.
  - TX: (NIC)
    - No new oiling reported.
    - Rapid Assessment Team activities continue.

- **Operations**
  - 1 In Situ Burn (ISB) conducted 18 July. (NIC)
  - Booming/skimming operations continue, weather permitting. (NIC)
    - Oily water mixture recovered to date: 816,029 barrels.

- **Health Concerns**
  - Heat stress remains the primary concern for response workers. (OHA)

- **Dispersants**
  - No aerial dispersant flight flown 18 July. (NIC)
  - Subsea dispersant injection has stopped. (NIC)

- **Shipping Channels/Ports**
  - All shipping channels/ports remain open in the Gulf Coast Region. (USCG)
  - To date, a total of 6 vessels have required decontamination. (NIC)

- **Assets on Scene**:
  - Personnel: 41,990 (NIC)
  - Boom to date: 9,516,853 ft (3,357,351 containment/6,159,502 sorbent) (UAC)
  - Dispersant to date: 1,843,586 gals (1,072,314 surface/771,272 subsea) (NIC)
  - Total vessels assigned: 6,499 (NIC)
  - Fixed-wing aircraft: 44 (NIC)
  - Helicopters: 71 (NIC)

<u>Federal Agencies/Departments</u>

- **US Coast Guard (USCG)**
- **A task force unit from Forward Operating Base Lafourche, LA secured approximately 300 ft of dislodged boom 18 July; no further action required.**

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  - Supporting NIC activities and Federal On-Scene Coordinator.

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  - Animal and Plant Health Inspection Service providing wildlife recovery services.

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  - 1,552 National Guard members activated in LA, MS, AL, and FL.

- **Department of Energy (DOE)**
  - Assisting Unified Area Command and supporting interagency solutions group.

- **Environmental Protection Agency (EPA)**
  - Continuing to sample air, water, sediment, and waste.

- **Health and Human Services (HHS)**
  - Total personnel deployed: 71

- **Department of the Interior (DOI)**
  - National Parks Service (NPS) personnel continue oversight of cleanup operations on NPS land.

- **National Oceanic and Atmospheric Administration (NOAA)**
  - Weather forecast:
    - **Sun., 18 July: Southeast winds 5-10 knots; seas 2 ft.**
    - **Mon., 19 July: East-southeast winds 10 knots; seas 2-3 ft.**
    - **Tues., 20 July: East-southeast winds 15-17 knots; seas 3-4 ft.**

- **Department of State (DOS)**
  - Assisting in coordinating the response to offers for international assistance.

Critical Infrastructure Key Resources (CIKR)

- **National Infrastructure Coordinating Center (NICC)**
  - Continuing to monitor CIKR.

State and Local Agencies

- AL, FL, LA, MS and TX are communicating with DHS daily.

National Operations Center

- Current Posture: Phase 2 - Concern; Crisis Action Team activated.
- **The next SLB will be published at 0500 EDT 19 July.**

[redacted]

From: [redacted]
Sent: Tuesday, May 18, 2010 12:36 PM
To: HQS-PF-fldr-NIC HQ Situation Unit
Subject: RE:

Categories: FYI

-----Original Message-----
From: [redacted]
Sent: Tuesday, May 18, 2010 11:15 AM
To: D05-SMB-CAA-LANT30cc; D05-SMB-LANTIMT
Cc: 'cghq-pr-bpoilspill@uscg.mil'
Subject: FW: 1100 SIT UPDATE

-Skimming Ops: Skimming ops scheduled

-Surface dispersants: No dispersant flights are scheduled for today due to weather

•Controlled Burns: Controlled burns are scheduled •Total Boom deployed: 1,364,510 feet •Oily water mixture recovered: Last Period: 23,873 bbls Total: 182,251 bbls
•Surface dispersants applied: Last Period: 6,074 gal Total: 588,416 gal
•Sub-sea dispersants applied: Last Period: 8,030 Total: 53,149 gal
•Wildlife Impact: Last Period: 1 Total: 36
•Total vessels assigned: 2,732 Available/staged:1,718 Assigned: 1,014 •Total Fixed Wing Aircraft assigned: 26 •Total Helo Aircraft assigned: 31 •Total Response Personnel assigned: 17,474

•On-scene weather: Winds: W-SW 10kts, Seas 2ft or less light choppy; Visibility >6SM

•Staging areas: Grand Isle, LA; Slidell, LA; Shell Beach, LA; Venice, LA; Pass Christian, MS; Gulfport/Biloxi, MS; Pascagoula, MS; Theodore, AL; Dauphin Island, AL; Orange Beach, AL; Pensacola, FL; Panama City, FL; Cocodrie, LA; Amelia, LA; St. Mary, LA; Port St. Joe, FL; St. Mark, FL

•Any other pertinent updates: Nothing to report

[redacted]

From: [redacted]
Sent: Friday, June 04, 2010 9:03 PM
To: NIC-UNIT-LDR
Cc: [redacted]
Subject: RE: 1700 New SITBULLs

Perfect!! Can I request that the SITU do this when you send the 2x daily Situation Report? It is very helpful and timely. Just put the red bullets in the email. Thank you!

-----Original Message-----
From: NIC-UNIT-LDR, User EMC
Sent: Friday, June 04, 2010 08:28 PM Eastern Standard Time
To: [redacted]; Allen, Thad ADM; [redacted]
Cc: [redacted]
Subject: 1700 New SITBULLs

ADM Allen,
As requested, the following bullets were new for the 1700 NIC Situation Bullets.

Operational:
-Multiple vent valves open on the TOP HAT system continue to permit oil/gas to flow around/through the top hat. (OIR 1400 – 04 June) -Continued to increase surface oil processing capability since oil arrived at the surface at 2311/03 JUNE EDT. (Houston Update, 1200 - 04 June)

WX:
- Winds: SSW 10kts Seas: 3-4'. (NOC SITBUL 04 June), with afternoon squalls including possibility of tornados, damaging wind, and continuous lightning (NOAA Email 0930 - 04 Jun)

Source Control:
-Drill Rig DDII: 22-in casing set at 8,576' feet; splashed the BOP stack at 0230 EST 03 June; deadman test of BOP will be conducted on Saturday or early Sunday (OIR 1400 – 04 June) -Drill Rig DDIII: Current depth is 12,090' below sea level, cemented 16"casing; next casing string will be 13 5/8" and it will be run to a depth of 13,924'. Currently troubleshooting BOP control issues surrounding software installation. Previous version of software has been installed and is currently being tested. (Houston Update 1200 – 04 June)

Clean Up/Response:
-BP has requested approval to increase allowable amount of sub-surface dispersant. (Sit Bul 1600 – 04 June) -Vessel of Opportunity (VOO) is beginning deployment of all available vessels in tri-state area (MS, AL, FL) (OIR 1400 – 04 June).
-Sub-sea dispersant injection continues to be used. A wand will be used to continue injection from one of the vent ports at the top of the HAT once it is in place. Usage on 03 June totaled 11,554 gallons. (Houston Update 04June) -ICP Houston reported high Volatile Organic Compounds (VOCs) at source. Surface dispersants are being applied and the daily surface dispersant limit of 6,000 gallons has been reached and surpassed. BP is currently seeking approval to increase the allowable amount of sub-surface dispersants. (Houston Update 04 June)

Resource Summary:
-Total Personnel: 24,693 (Manpower Summary 04 June) -Field Responders: 16,200 -Overhead Personnel: 3,017 -Trained Volunteers: 5,476

Environmental Impacts:

-Sheen located 80 miles from Tortugas Islands and 120 miles from Clearwater/Tampa (UAC 04 June) -Unconfirmed reports of red tarballs on Pensacola Beach (ICP Mobile Situation Report 1525 – 04 June) -Tar balls reported near Mobile and oil reported near Dauphin Island, Pensacola, Petit Bois and Mobile. (OIR 1400 – 04 June)

Port/Waterway Economic Impact:
-Three inland canals are closed or partially available due to placement of containment booms (Gulf Exec Sum PM – 04 June).

Future Plans (Next 24-48 hours):
-Regulate the flow up the riser, with full processing estimated to occur by 1800 EDT - 05 June. (Houston Update 04 Jun)

Very Respectfully,

[redacted]

National Incident Command (NIC)
Situation Unit Leader

[redacted]

[redacted]

From: [redacted]
Sent: Sunday, July 11, 2010 4:29 PM
To: HQS-PF-fldr-NIC-HQ-Email Archive
Subject: RE: Automatic Dispersant System on Seafloor

Good Afternoon:

The Subsea Autonomous Disbursement Injection (SADI) project is still currently under build out. According to the recent Operation Action Plan, parts of the SADI system will begin to be deployed and placed on scene starting on 15 JUL. Commissioning is scheduled for 25 JUL. Procedures are currently still being drafted and none of them have been submitted for review/approval.

This information was taken from the Operation Action Plan dated 10 July 2010.

Very Respectfully,
[redacted]

From: HQS-PF-fldr-NIC HQ Situation Unit
Sent: Sun 7/11/2010 1:39 PM
To: [redacted]
Cc: HQS-PF-fldr-NIC HQ Situation Unit
Subject: Automatic Dispersant System on Seafloor

Good Afternoon Gentlemen,

Just received a called from the Deputy Secretary's staff with a question about the subject system. The basic question is, what is the current status of the system? Is it completely notional? Has it been constructed, but not deployed? Is it on the sea floor, but not operating? Any information you could provide would be appreciated. And I've copied the last text we could find on the subject. It's over a week old and was passed during a news conference that ADM Allen was in.
Thank you again.

Very Respectfully,

[redacted]
NIC Situation Unit Leader
[redacted]
~~~~~~

[redacted]: Good morning, I have two quick questions, one of which is BP had been planning to install a sub-sea dispersant dispenser essentially, by about now, I wonder if that's in place and also about the Q4000, it seems to have reduced its oil collection capacity to about 8,000 barrels a day and I wondered if there's a reason for that? Thanks.

Adm. Thad Allen: First of all BP has constructed and has proposed an is being reviewed right now, an autonomous sub-sea dispersant delivery system that could be used in event that the
~~~~~~

site was abandoned for hurricane and there was no way to mitigate the flow of hydrocarbons out of the well bore. There's been no approval or any decision made on that, it's merely been presented as an option and we are reviewing that inside the administration right now.

[redacted]

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[redacted]

From: National Command Center
Sent: Saturday, May 15, 2010 9:59 AM
To: National Command Center; HQS-CGHQCAC4[redacted]NOC SWO Restricted; NOC USCG;[redacted]HQS-DG-lst-HQ ICC-IWO; [redacted] Lloyd, Anthony CAPT;[redacted]; HQS-DG-LST-CG-5E; 'Parker, Robert RADM'; Parker, Robert VADM; Schultz, Karl RDML; LaBrec, Ronald CAPT;[redacted]; 'hqs-dg-lst-cgcc-infoalert@uscg.mil'; Neffenger, Peter RDML; Close, Timothy CAPT;[redacted]; McTague, Brian CAPT; [redacted]; RCCAlameda;[redacted]n; Gautier, Peter CAPT;[redacted]; Beeson, Scott CAPT;[redacted]; Cashin, Charles CAPT;[redacted]; OPS CAT; Allen, Thad ADM; White, Michael CAPT; Neffenger, Peter RDML;[redacted]R; Buschman, Scott CAPT; DeQuattro, Pat CAPT; Fitton, James CAPT; Grant, Robert CAPT;[redacted] CIV;[redacted] Haynes, David CAPT;[redacted]
Cc: Callahan, David CAPT; Tiongson, Andrew CAPT;[redacted] D08-DG-District-IMTWatch; D05-SMB-CAA-LANT30cc;[redacted] HQS-PF-fldr-NIC HQ Situation Unit
Subject: RE: Deepwater Horizon Response - USCG's input for NOC SLB for 15 MAY 2010 at 1000 EDT
Attachments: NOC_CG SITBUL 15 May 2010 (1000 ET).docx

Categories: FYI

Please see USCG's input 15 MAY 2010 at 1000 EDT for NOC SLB.

15 May 10 (1000 EDT)

USCG Response to DEEPWATER HORIZON

Operational Planning Period 25: 5/15/2010 0700 - 5/16/2010 0700

(Red font indicates new entry)

BLUF:

The Riser Insertion Tube Tool (RITT) is the primary source mitigation option. Drill rig was unable to connect RITT with drill pipe and is bringing RITT and stand to surface for modifications. Modifications scheduled to be completed this morning; anticipated to be on scene later this afternoon. Top Hat remains on the seabed and standing by pending effectiveness of the RITT. Well head discharge rate still estimated at approximately 5,000 bbls per day, however BP is currently conducting analysis to reevaluate oil discharge rate. Subsea dispersant application approved, currently being applied at source.

Situation Bullets:

Oil Stoppage

- The Riser Insertion Tube Tool (RITT) is the primary source mitigation option. Drill rig was unable to connect RITT with drill pipe and is bringing RITT and stand to surface for modifications. Top Hat remains on the seabed and standing by pending effectiveness of the Riser Insertion Tool. *Modifications are expected to be completed on the RITT this morning and plan to have it on scene around 1500 today to commence attachment operations.

- Top Kill equipment being staged; commencement of operation scheduled for 18 May.

- BP is currently conducting analysis to reevaluate discharge rate from source after some in the scientific community disputed the previously established 5,000 bbls per day estimate.

- DDII arrived on scene 13 May. Anticipate drilling a second relief well to commence on 16 May.

- The result of sonic scan on the Blow Out Preventer (BOP) is inconclusive. The scan was unable to confirm the location of the drill pipe and whether it was in the riser between the kink and the BOP.

- Drilling and casing operations continue on the DDIII relief well; depth remains at 3,537 ft below sea floor.

Environmental Impact

- * San Luis Pass, TX: Samples taken from tar balls on Bolivar Peninsular confirm tar balls are NOT associated with the Deepwater Horizon Oil Spill. (Source TX, SOC per 1800 EDT 14 May 2010 SLB)

- Gulf Shores, AL and Blind Bay, AL: Shoreline Cleanup and Assessment Team (SCAT) confirmed oil/tar onshore; clean up ongoing.

- Port Fourchon, Louisiana: Shoreline Cleanup and Assessment Team (SCAT) reported a 4 kilometer stretch of tar balls and patties with approximately 5% coverage. Within that 4 kilometer area there was a 100 meter by 1.5 meter stretch of shoreline with approximately 50% coverage. Samples were being taken.

- Fort Morgan, Alabama: Local Fish & Wildlife confirmed a report of small quantities of tar balls impacting the shoreline. No further information was reported.

- Navy Cove, AL (Baldwin County Division 1): "Tens of thousands" of silver fingerling minnows 1 to 1.5 inches long found dead. Info was confirmed by Orange Beach Staging Area and witnessed onboard a vessel towing boom from the staging area. This area is inside the baseline area, where there have been no sighted tar balls or oil effects. Unknown if oil caused the kill or whether the fish are being collected for testing.

Response/ Clean-up

- * Approval granted for undersea dispersant, application of dispersant resumed at approximately 15 May 0400 EDT.

- Two C-17 lift missions transported the remainder of BP boom and 250 short tons of Navy SUPSALV equipment arrived on 14 May.

- 14 sorties completed on 14 May, air sorties scheduled for 15 May, weather permitting

- * In situ burns planned for 16 May; weather permitting.
- No skimming operations conducted on 14 May due to weather. Operations for 15 May are dependent on weather conditions.
- All shipping channels and ports remain open in the Gulf Coast Region.
- No vessels have required cleaning or de-contamination; teams are on standby if the need arises.

Numerical Summaries of Response

Response	14-May	Total	Comments
Oily water mixture recovered (bbls)	0	151,391	
Surface dispersants applied (gals)	44,031	561,608	
Subsea dispersants applied (gals)	0	28,709	
Wildlife Impact (count)	2	24	

Resources

Total Assigned

Comments

Boom (feet)

1,271,460

Sorbent Boom (feet)

418,390

Vessels

643

Fixed Wing Aircraft

12

Helo Aircraft

28

Response Personnel

11,039

- On-scene weather: Wind – SE winds 10-15 kts; Seas 6-8 ft choppy
- Unified Incident Commands: 3
- Staging areas: 17 (added St Joe, FL and St Mark, FL)

Current Operations:

Coast Guard

Non Coast Guard

Surface

CGC OAK SORS Operations Pensacola, FL Staging. Moored for weather.

CGC CYPRESS SORS Operations Pensacola, FL Staging. Moored for weather.

CGC HARRY CLAIBORNE SMART VOSS Operations Venice, LA Staging. Moored STA Gulfport for weather.

CGC ELM enr ETA 15 May.

Surface

Task Force MSRC 1, 2 and AMPOL will be working with the HOSS barge near the source location.

Task Force MSRC 3 (OSRV FLORIA RESPONDER) working the eastern finger of the oil slick.

Air

NTR

Air

14 Air Sorties completed on 14 May. Air Sorties scheduled for 15 May; weather permitting.

COMMS

Enhanced Mobile Incident Command Post (EMICP) & Communications Vehicle (MCV) arrived Robert, LA

Personnel:

- 84 DOG Personnel on Scene (8 DOG DE, 30 GST, 17 AST, 19 PST, 5 NSFCC, 1 PIAT, 2 MSST NOLA, 1 MSST Kings Bay, 1 MSST Hono)
- 451: USCG (140), MMS, Transocean, BP, NOAA, LA & FL personnel at Unified Area Command in Robert, LA.
- 2,230: USCG (143), Transocean, BP & NOAA personnel at Unified Incident Command in Houma, LA
- 730: USCG (17), Transocean, BP & NOAA personnel at Source Control, Houston, TX.
- 7,554: USCG (176), Transocean, BP & NOAA personnel at Unified Incident Command in Mobile, AL.
- 74: USCG (40) at Unified Incident Command St Petersburg, FL.
- National Guard Bureau is reporting 1,287 personnel deployed in 4 States.

Very Respectfully,

NCC IMT

15 May 10 (1000 EDT)
USCG Response to DEEPWATER HORIZON
Operational Planning Period 25: 5/15/2010 0700 – 5/16/2010 0700
(Red font indicates new entry)

BLUF:

The Riser Insertion Tube Tool (RITT) is the primary source mitigation option. Drill rig was unable to connect RITT with drill pipe and is bringing RITT and stand to surface for modifications. Modifications scheduled to be completed this morning; anticipated to be on scene later this afternoon. Top Hat remains on the seabed and standing by pending effectiveness of the RITT. Well head discharge rate still estimated at approximately 5,000 bbls per day, however BP is currently conducting analysis to reevaluate oil discharge rate. Subsea dispersant application approved, currently being applied at source.

Situation Bullets:

Oil Stoppage

- The Riser Insertion Tube Tool (RITT) is the primary source mitigation option. Drill rig was unable to connect RITT with drill pipe and is bringing RITT and stand to surface for modifications. Top Hat remains on the seabed and standing by pending effectiveness of the Riser Insertion Tool. *Modifications are expected to be completed on the RITT this morning and plan to have it on scene around 1500 today to commence attachment operations.
- Top Kill equipment being staged; commencement of operation scheduled for 18 May.
- BP is currently conducting analysis to reevaluate discharge rate from source after some in the scientific community disputed the previously established 5,000 bbls per day estimate.
- DDII arrived on scene 13 May. Anticipate drilling a second relief well to commence on 16 May.
- The result of sonic scan on the Blow Out Preventer (BOP) is inconclusive. The scan was unable to confirm the location of the drill pipe and whether it was in the riser between the kink and the BOP.
- Drilling and casing operations continue on the DDIII relief well; depth remains at 3,537 ft below sea floor.

Environmental Impact

- * San Luis Pass, TX: Samples taken from tar balls on Bolivar Peninsular confirm tar balls are NOT associated with the Deepwater Horizon Oil Spill. (Source TX, SOC per 1800 EDT 14 May 2010 SLB)
- Gulf Shores, AL and Blind Bay, AL: Shoreline Cleanup and Assessment Team (SCAT) confirmed oil/tar onshore; clean up ongoing.
- Port Fourchon, Louisiana: Shoreline Cleanup and Assessment Team (SCAT) reported a 4 kilometer stretch of tar balls and patties with approximately 5% coverage. Within that 4 kilometer area there was a 100 meter by 1.5 meter stretch of shoreline with approximately 50% coverage. Samples were being taken.
- Fort Morgan, Alabama: Local Fish & Wildlife confirmed a report of small quantities of tar balls impacting the shoreline. No further information was reported.
- Navy Cove, AL (Baldwin County Division 1): "Tens of thousands" of silver fingerling minnows 1 to 1.5 inches long found dead. Info was confirmed by Orange Beach Staging Area and witnessed onboard a vessel towing boom from the staging area. This area is inside the baseline area, where there have been no sighted tar balls or oil effects. Unknown if oil caused the kill or whether the fish are being collected for testing.

Response/ Clean-up

- * Approval granted for undersea dispersant, application of dispersant resumed at approximately 15 May 0400 EDT.
- Two C-17 lift missions transported the remainder of BP boom and 250 short tons of Navy SUPSALV equipment arrived on 14 May.
- 14 sorties completed on 14 May, air sorties scheduled for 15 May, weather permitting
- * In situ burns planned for 16 May; weather permitting.
- No skimming operations conducted on 14 May due to weather. Operations for 15 May are dependent on weather conditions.
- All shipping channels and ports remain open in the Gulf Coast Region.
- No vessels have required cleaning or de-contamination; teams are on standby if the need arises.

Numerical Summaries of Response

Response	14-May	Total	Comments
Oily water mixture recovered (bbls)	0	151,391	
Surface dispersants applied (gals)	44,031	561,608	
Subsea dispersants applied (gals)	0	28,709	
Wildlife Impact (count)	2	24	

Resources		Total Assigned	Comments
Boom (feet)		1,271,460	
Sorbent Boom (feet)		418,390	
Vessels		643	
Fixed Wing Aircraft		12	
Helo Aircraft		28	
Response Personnel		11,039	

- On-scene weather: Wind – SE winds 10-15 kts; Seas 6-8 ft choppy
- Unified Incident Commands: 3
- Staging areas: 17 (added St Joe, FL and St Mark, FL)

Current Operations:

Coast Guard		Non Coast Guard	
Surface	CGC OAK SORS Operations Pensacola, FL Staging. Moored for weather. CGC CYPRESS SORS Operations Pensacola, FL Staging. Moored for	Surface	Task Force MSRC 1, 2 and AMPOL will be working with the HOSS barge near the source location. Task Force MSRC 3 (OSRV FLORIA RESPONDER) working the eastern finger of the oil slick.

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