

19. IN-SITU BURNING PLAN

Introduction

The primary objective of oil spill response is to remove as much oil as possible from the water as quickly as possible in order to mitigate impact to near shore and shoreline habitats. Open water in-situ burning of oil may be the most rapid response technique and must be considered as a primary alternative response technology for large incidents (Sector New Orleans ACP). *In-Situ* burning offers the potential to rapidly convert large quantities of oil into primary combustion products with a small percentage of unburned and residual by products. This offers the potential of accelerating cleanup of spilled petroleum on the water surface and reducing the risk of petroleum-related impacts on environmentally sensitive areas.

The effective use of *in-situ* burning requires a specific set of operational, environmental, and oil spill (slick) conditions in addition to governmental procedures that must be adhered throughout the burning process. BP has procedures in place to provide guidance in seeking approval to implement an *in-situ* burn. The following describes specific information related to application forms and checklists that must be completed and filed with appropriate governmental agencies prior to receiving approval.

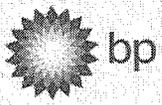
A. *In-Situ* Burning Equipment

The primary *in-situ* burn equipment providers that may be utilized by BP are listed below:

Owner/Location	Equipment	Contact Number(s)
TX General Land Office Nederland, TX Corpus Christi, TX	500' 24" Fire Boom 1,000' 24" Fire Boom	(800) 832-8224 (24hr) (409) 727-7481 (O) (361) 825-3300 (O)
Crucial Inc. Gretna, LA	500' 30" Fire Boom	(504) 347-9292
MSRC Miami, FL	500' 30" Fire Boom	(305) 347-2200
CCA Clean Caribbean & Americas Ft. Lauderdale, FL	1,650' 30" Fire Boom	(954) 983-9880
MSRC (Available for purchase)	500' 43" Fire Boom 500' 43" Fire Boom 900' 43" Fire Boom	(800) OIL SPILL (800) 259 6772

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSE Document Mgmt Administrator
Issuing Dept.: GOM SPU
Control Tier: Tier 2 - GoM Region
Section 19, Page 1 of 16 Pages
© The Response Group 06/2009



B. In-Situ Burning Procedures

The following procedural items should be considered during activities to initiate a potential burn operation. Regulatory authorities will be concerned with both the general actions as well as those related to actual ignition. *In-Situ* burn operations are only allowed under the direction of a trained fire ecologist/practitioner utilizing safe fire management techniques to control and contain the burn while preventing accidental ignition of adjacent areas.

<i>In-Situ</i> Burn General Procedures	
a.	The PSC will initiate activities to complete required <i>in-situ</i> burn applications (refer to Figures 19-3). The application procedure will continue regardless of spill location or weather conditions (i.e., sea state) during the application period.
b.	The PSC will contact the Federal On-Scene Coordinator (FOSC) to inform them of BP's intent to seek approval to conduct <i>in-situ</i> burn operations at specified location(s).
c.	The PSC will submit an <i>In-Situ</i> Burn Site Safety Plan to the FOSC for approval prior to <i>in-situ</i> burn operations.
d.	Incident Commander will review and approve the <i>In-Situ</i> Burn application (see Figure 19-3).
e.	The PSC will submit the <i>In-Situ</i> Burn application to the FOSC as soon as possible or within the first several hours after a major spill event has been reported.
f.	The PSC will place professional <i>in-situ</i> burn consultants and contractors on standby during the approval decision process by appropriate governmental agencies.
g.	In the event the application is denied, the PSC will stand-down the consultants and contractors that were on standby alert.
h.	In the event the application is approved, the PSC will initiate mobilization of necessary equipment and personnel to conduct <i>in-situ</i> burn operations.
i.	On site visual monitoring will be coordinated with the FOSC.
j.	The final decision to ignite oil will be coordinated through the FOSC and will be based on a USCG Decision Flowchart (see Figure 19-1 for modified version).
k.	The ability to contain, control and extinguish the <i>in-situ</i> burn fire is a prerequisite prior to ignition.
l.	The PSC will coordinate and liaise with the FOSC concerning sampling the burn residue.

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GOM SPU
 Control Tier: Tier 2 - GoM Region
 Section 19, Page 2 of 16 Pages
 © The Response Group 06/2009



In-Situ Burn General Procedures (Cont'd)

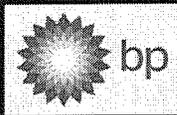
- m. The PSC will initiate mobilization of mechanical recovery equipment on-scene backup and complimentary response capability
- n. The PSC will initiate provisions for collection and disposal of burn residue following the burn(s).

In-Situ Burn Ignition Procedures

- a. Contractor personnel involved in *in-situ* burn operations will receive and complete required classroom and practical hand-on training that is appropriate for the level of responsibility assigned.
- b. Ensure adequate communication systems are in place between boom-towing and auxiliary vessels as well as between vessels and aerial support fixed wing and rotor aircraft.
- c. Position all involved personnel upwind or crosswind from the intended target slick prior to ignition.
- d. When oil is contained within fire boom, personnel and equipment will remain at a safe operating distance in the event of a premature ignition or an unexpected explosion.
- e. Towing lines will be substantial in order to provide an added measure of safety regarding distance from the burn and additional reaction time that may be required based on the circumstances.
- f. Request USCG to issue a "Notice to Mariners" at time and location of burn(s).
- g. Ignition systems must be released from a safe distance.
- h. Request FAA to issue a "No Fly Zone" for time and date of burn.
- i. Ignition systems include:
 - i) Floating flare type igniters released from vessels at a safe distance upstream and upwind of the target;
 - ii) Helitorch with gelled fuel may be released from fixed wing or rotor aircraft at "safe" heights; and
 - iii) Flare guns fired from vessels at a "safe" distance.
- j. Burning agents, which are highly flammable, oil soluble liquids are considered a burning aid that may be utilized in the event of substantially weathered oil. Burning agents insulate the oil from the water and allow the oil to burn continuously.

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GOM SPU
 Control Tier: Tier 2 - GoM Region
 Section 19, Page 3 of 16 Pages
 © The Response Group 06/2009



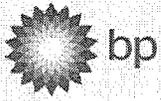
C. Environmental Effects

The environmental effects of *in-situ* burn operations include, but are not limited to, the following:

Environmental Effects
a. Burning oil produces a visible smoke plume containing smoke particulates, residue, and other products of combustion. The potential plume caused by the burn will not expose unprotected populations to more than 150 UG/m ³ of particulates, and the resulting plume and heat will not result in greater impact to sensitive wildlife resources than the oil itself.
b. A crust or residue remains after the burn which may pose a risk of exposure to wildlife resources.
c. Plant cover may be reduced during inshore burns resulting in the need to implement short-term erosion control measures.
d. Inshore burn sites may need protection from overgrazing due to herbivores attracted to new growth.
e. Prolonged flooding of a burned wetland may kill surviving plants in the event they are completely submerged.
f. Contamination at the sea surface may affect certain unique populations as well as organisms that use surface layers of the water column to spawn or feed.
g. Inshore burn sites increase the potential for oil penetration into the substrate when standing water is not present.
h. Inshore burn sites may sustain long-term impact(s) to vegetation in the event fire temperatures are too hot and/or water levels too low which may kill the root systems.
i. Some animal species (i.e. gastropods on clean vegetation) may not be capable of escaping the burn area.
j. Heavy fuel oils may produce residues that are difficult to remove from the environment. Burning of muddy substrates may alter their physical properties which will degrade their biological productivity.
k. Heavy accumulations of oil should be removed by mechanical methods to reduce long-term impact to vegetation and wildlife
l. Effects of burns conducted in wetland areas differ because of wetland types, plant species, composition, environmental parameters, and the tolerances of the system to physical and chemical disturbances.
m. Temperature and air quality effects will be localized and short lived.

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GOM SPU
Control Tier: Tier 2 - GoM Region
Section 19, Page 4 of 16 Pages
© The Response Group 06/2009



Environmental Effects (Cont'd)

- n. Recovery of wetland vegetation is dependent upon season of burn, type of vegetation, and marsh water level.
- o. On-water burn residues may sink while on-land residues for crude and heavy oils may require removal from the environment. These should be disposed of appropriately.

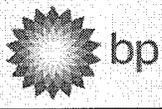
D. Safety Provisions

Primary Safety issues to be considered are as follows:

•	OSHA training requirements
•	Personnel health hazards from product (exposure limits, decontamination procedures, etc.)
•	Personnel physical safety hazards

BP has identified a real awareness and concern from a safety perspective. The following address the major areas of concern:

•	Fire hazards – maintain safe distance; ensure proper containment, etc.
•	Ignition hazards – maintain communication and coordination; ensure equipment is in good condition and used properly
•	Vessel safety – maintain communication and vessel position
•	Boom handling – ensure proper training and sufficient towing lines
•	Communications – ensure adequate communications between personnel, vessels, and aerial support
•	Training – prior training on procedures, and PPE, including respiratory equipment
•	Personnel exposure – be aware of wind direction, combustion plume, and residual oil contamination



E. Conditions for Use

In-Situ burning should be considered when physical removal of oil is not possible or is insufficient for protecting valuable resources, including endangered species. The method of removal must not cause or increase environmental impacts compared with damages from spilled oil. Favorable conditions for in-situ burning include, but are not limited to the following:

•	Remove as much oil as possible in the shortest amount of time to limit spreading to sensitive areas or over large areas.
•	In the event site access is limited by shallow water, soft substrates, thick vegetation, or the remoteness of location.
•	Reduce the generation of oily wastes, especially where transportation and/or disposal options are limited.
•	When other methods lose their effectiveness or become too intrusive.
•	Use on land where heavy oil exists at sites neither amenable nor accessible to physical removal
•	Use at remote, sparsely populated sites at least 3 miles from populated areas.
•	Use at sites with fresh crude or light/intermediate products that promote efficient burning.
•	Areas void of vegetation (i.e.: dirt roads, ditches, dry stream beds, idle cropland).
•	Sites with herbaceous vegetation.
•	Wetland areas with a minimum water level of 1" cover the substrate or with soils 70% saturation.
•	Oil layers thick enough to support combustion. Layers thinner than 1-2 mm loses too much heat to the water and cannot support combustion.
•	Wind speed below 20 knots and wave height below 3 feet.
•	A water level in wetlands and mud habitats will minimize the impact to sediment and roots.
•	Water-in-oil emulsion may not contain more than 30%-50% water to ignite and support combustion.

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GOM SPU
 Control Tier: Tier 2 - GoM Region
 Section 19, Page 6 of 16 Pages
 © The Response Group 06/2009

**F. Decision Processes**

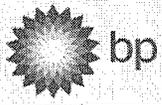
The most important factors in the decision to pursue *in-situ* burning are the location of the spill and the current on-site weather (especially wind direction).

A minimum oil thickness of 2-3 mm is required. Once oil has spread and thickness approaches the 1-2 mm range, heat loss to the water under the oil prevents combustion. Oil on open water tends to spread rapidly to achieve its maximum pool radius or equilibrium thickness. Light crude oils will spread to approximately 0.01 to 0.1 mm, while heavy oils will spread to 0.05-0.5 mm in thickness within hours. Consequently, oil must either be burned almost immediately after a spill, or the surface thickness must be increased using fire-retardant boom.

The authority to authorize *in-situ* burning provided to the USCG FOSC may not be delegated. The following three zones have been established to specify pre-authorized locations and conditions under which burning may occur:

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSE Document Mgmt Administrator
Issuing Dept.: GOM SPU
Control Tier: Tier 2 - GoM Region
Section 19, Page 7 of 16 Pages
© The Response Group 06/2009



1. "A" Zones – Pre-Authorization for Open Water Burning

An "A" Zone is defined as any area in the RRT-6 region exclusively under federal jurisdiction, and not classified as a "B" or "R" Zone. The "A" Zone is at least **3 miles seaward** of any state coastline and seaward of any state waters, or as designated by separate "Letters of Agreements" with individual states and federal agencies. In the event that state jurisdiction extends beyond **3 miles from a state shoreline**, pre-approval for the "A" Zone applies only to areas outside state jurisdiction.

2. "B" Zones – Waters Requiring Case by Case Approval

A "B" Zone is defined as any area in the RRT-6 region under state or special management jurisdiction which is not classified as an "A" or "R" Zone. "B" Zones are areas located:

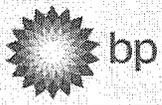
•	Within state waters;
•	Within waters less than 30 feet in depth that contain living reefs;
•	Waters designated as a marine reserve, National Marine Sanctuary, National or State Wildlife Refuge, unit of the National Park Service, proposed or designated critical habitats; and
•	Mangrove areas, or coastal wetlands which includes submerged algal beds and submerged sea grass beds.

3. "R" Zones – Exclusion Zones

An "R" Zone is defined as any area in the RRT-6 region falling under state or special management jurisdiction which is not classified as an "A" or "B" Zone. The "R" Zone is that area designated by the RRT-6 as an exclusion zone. No *in-situ* burning operations will be conducted in the "R" Zone unless:

•	<i>In-Situ</i> burning is necessary to prevent or mitigate a risk to human health and safety; and/or
•	An emergency modification of this agreement is made on an incident specific basis.

RRT-6 currently has not designated any areas as "R" Zones. However, the right is retained to include areas for exclusion at a future point in time if warranted.

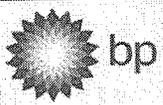


Once the decision has been made to pursue an *in-situ* burn, a clear procedure must be followed which leads to the decision of whether or not to initiate the burn. See **Figure 19-1**, *In-Situ* Burn Decision Flow Chart, for a description of this process. Additionally, completion of **Figure 19-2**, *In-Situ* Burn Pre-Ignition Checklist, is an important piece to ensuring that the correct and safe decision is made prior to ignition.

G. Approval Procedures and Forms

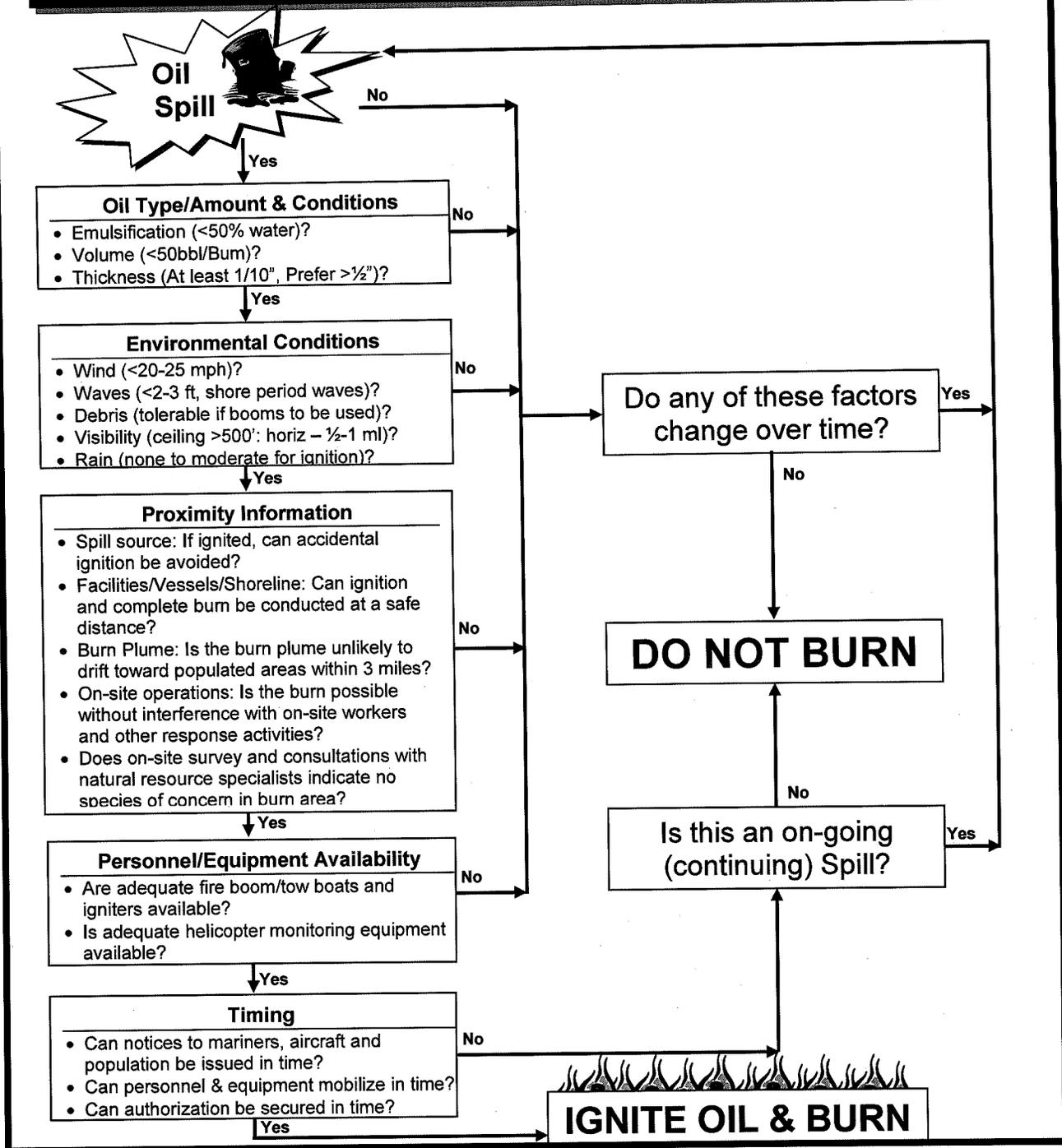
Ultimate approval to initiate an *in-situ* burn will reside with the Federal On-Scene Commander (FOSC). In order to ensure the proper decision is made, those in the decision making process require particular information related to the incident as well as independent factors such as weather and local human and wildlife populations. Completion of **Figure 19-3**, In-Situ Burning Plan, will provide the requisite information in an approved format.

Additional information regarding *in-situ* burn decisions, approval, safety, associated equipment, and conditions of use is retained as part of BP's pre-planned response material housed in its licensed version of the Incident Action Planning software (©1997-2004 dbSoft, Inc.) supported by The Response Group (see **Figure 7-5**).



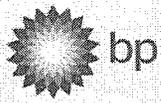
BP In-Situ Burn Decision Flow Chart

Figure 19-1



Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GOM SPU
 Control Tier: Tier 2 - GoM Region
 Section 19, Page 10 of 16 Pages
 © The Response Group 06/2009



In-Situ Burn Pre-Ignition Checklist

Figure 19-2

Yes	No	<i>In-Situ Burn Pre-Ignition Checklist</i>
<input type="checkbox"/>	<input type="checkbox"/>	Is Fire Ecologist/Practitioner onboard?
<input type="checkbox"/>	<input type="checkbox"/>	Have all burn personnel completed required training?
<input type="checkbox"/>	<input type="checkbox"/>	Are communication systems adequate and working properly:
<input type="checkbox"/>	<input type="checkbox"/>	Between vessels?
<input type="checkbox"/>	<input type="checkbox"/>	Between vessels & aircraft?
<input type="checkbox"/>	<input type="checkbox"/>	Are all involved personnel upwind or crosswind of target?
<input type="checkbox"/>	<input type="checkbox"/>	Is there safe distance between fire boom and personnel on board towing boat(s)?
<input type="checkbox"/>	<input type="checkbox"/>	Are towing lines sufficient to safely separate from boat crews from burn?
<input type="checkbox"/>	<input type="checkbox"/>	Are ignition systems released from a safe distance?
		Ignition system type:
<input type="checkbox"/>	<input type="checkbox"/>	Floating flare type igniter – Boat
<input type="checkbox"/>	<input type="checkbox"/>	Helitorch – Aircraft
<input type="checkbox"/>	<input type="checkbox"/>	Flare guns
<input type="checkbox"/>	<input type="checkbox"/>	Are burning agents required?
<input type="checkbox"/>	<input type="checkbox"/>	Have all approvals been received from the federal, state and local entities?
<input type="checkbox"/>	<input type="checkbox"/>	Has "Notice to Mariners" been issued by the FAA?
<input type="checkbox"/>	<input type="checkbox"/>	Are all personnel briefed and familiar with the plan?
<input type="checkbox"/>	<input type="checkbox"/>	Are all vessels and aircraft aware of burn trajectory and ignition time?
<input type="checkbox"/>	<input type="checkbox"/>	Are monitoring personnel on scene or enroute?
<input type="checkbox"/>	<input type="checkbox"/>	Is the weather (sea state) acceptable?
<input type="checkbox"/>	<input type="checkbox"/>	Is the fire control vessel in place?
<input type="checkbox"/>	<input type="checkbox"/>	Are support vessels available?
<input type="checkbox"/>	<input type="checkbox"/>	Has the decision to ignite been coordinated through the FOSC?

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GOM SPU
 Control Tier: Tier 2 - GoM Region
 Section 19, Page 11 of 16 Pages
 © The Response Group 06/2009



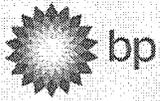
In-Situ Burning Plan

Figure 19-3

IN-SITU BURNING PLAN	
<p>This checklist is provided as a summary of important information to be considered by the Unified Command in reviewing any request to conduct <i>in-situ</i> burning in response to an oil spill in the waters of the Gulf of Mexico. This Burning Plan is divided into several sections of information about the spill, weather, oil behavior and proposed Burning Plan. It is intended that this Burning Plan be filled in to help the Unified Command determine the feasibility of <i>in-situ</i> burning for the immediate situation. This Burning Plan, in conjunction with the Monitoring Plan, will serve as the Post Burn Operations Report.</p>	
<p align="center">SPILL DATA (Responsible Party to complete and submit to Unified Command)</p>	<p align="center">DATE & TIME OF PLAN</p>
DATE AND TIME OF THE INCIDENT:	
LOCATION OF THE INCIDENT:	
LATITUDE:	LONGITUDE:
DISTANCE IN MILES AND DIRECTION TO NEAREST LAND:	
DISTANCE IN MILES AND DIRECTION TO THE NEAREST POPULATION CENTER(S):	
TYPE AND QUANTITY/VOLUME:	
RELEASE STATUS: <input type="checkbox"/> Continuous, at estimated rate of: _____ <input type="checkbox"/> Intermittent, at estimated rate of: _____ <input type="checkbox"/> One time only, flow now stopped. Est quantity – bbls: _____	
EMULSIFICATION STATUS: IF EMULSIFIED:	Is product easily emulsified? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncertain Is product emulsified upon release? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Lightly (0-20%) <input type="checkbox"/> Moderate (21-50%) <input type="checkbox"/> Heavily (>50%) <input type="checkbox"/> Unknown
SURFACE AREA OF SPILL (SQUARE MILES) AS OF DATE/TIME:	
IS SOURCE BURNING NOW? <input type="checkbox"/> Yes <input type="checkbox"/> No	
NATURE OF INCIDENT: <input type="checkbox"/> Grounding <input type="checkbox"/> Transfer Operation <input type="checkbox"/> Collision <input type="checkbox"/> Pipeline <input type="checkbox"/> Explosion <input type="checkbox"/> Other (Describe): _____	
VESSEL/FACILITY/PIPELINE INVOLVED:	
RESPONSIBLE PARTY:	
FEASIBILITY FACTORS: <input type="checkbox"/> Yes <input type="checkbox"/> No Is the oil being considered for <i>In-Situ</i> burning emulsified by less than 60%? <input type="checkbox"/> Yes <input type="checkbox"/> No Is the oil thickness >1/10 inch?	

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GOM SPU
 Control Tier: Tier 2 - GoM Region
 Section 19, Page 12 of 16 Pages
 © The Response Group 06/2009



In-Situ Burning Plan (Cont'd)

A. Location of proposed burn relative to the spill source:

B. Location of proposed burn relative to nearest uncontrolled ignitable slick(s):

C. Location of proposed burn relative to nearest sizeable downwind human population:

D. Location of proposed burn relative to nearest downwind concentrated wildlife population:

E. Potential for reducing visibility at nearby airport(s) or freeway(s):

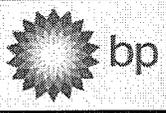
F. Will radio notification of human populations be required? Yes No

1. Proposed ignition method:

Will burn promoters be used? Yes No
Will de-emulsifiers be used? Yes No

2. Methods proposed for controlling the burn:

Will fire boom be used? Yes No



In-Situ Burning Plan (Cont'd)

3. PROPOSED BURNING STRATEGY

- Controlled burning in fire boom under tow.
 - Controlled burning of static oil contained within fire boom.
 - Complete burning of a derelict or hazardous vessel.
 - Controlled burning of static oil contained in a natural collection site at or near shore.
 - Disposal of oiled debris by controlled burning in remote areas.
- Other: _____

G. Estimated amount of oil to be burned:

H. Estimated duration of Burn Operations (hours):

I. Method of collecting burned residue:

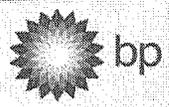
J. Proposed storage and disposal of burned oil residue:

FEASIBILITY FACTORS

- Yes No Can ignition and a complete burn occur at a safe distance from other response operations and public, recreational and commercial activities?
- Yes No Is the smoke plume unlikely to impact areas of concentrated human or wildlife populations?
- Yes No Are adequate fire boom, tow boats and igniter resources available?
- Yes No Are adequate notice to be given to mariners, aircraft pilots and the general public?
- Yes No Can necessary personnel and equipment be mobilized during the *in-situ* burning window of opportunity?

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GOM SPU
 Control Tier: Tier 2 - GoM Region
 Section 19, Page 15 of 16 Pages
 © The Response Group 06/2009



BP

Regional Oil Spill Response Plan – Gulf of Mexico

Section 20
Alternative Chemical
& Biological
Response Strategies

20. ALTERNATIVE CHEMICAL & BIOLOGICAL RESPONSE STRATEGIES

Oil spill cleanup agents (OSCA's) are defined as any chemical or other substance used for removing, dispersing, or cleaning up oil or residual petroleum products in or on the waters of states or shorelines. This category of substances include: surface washing agents, shoreline cleaners, dispersants, gelling agents, herding agents, emulsifiers, demulsifiers, chemical boosters, and bioremediants. The best known and primary OSCA is bioremediation which is defined as a treatment technology that enhances existing biological processes to accelerate the decomposition of petroleum hydrocarbons and some hazardous wastes.

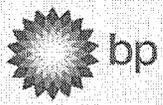
The National Contingency Plan (NCP) authorizes the use of biological and chemical agents for the dispersion and/or abatement of oil spills. However, the product must be listed on the NCP Product Schedule.

The Responsible Party (RP), having firsthand information concerning the released material, may request FOSC approval for the use of bioremediation or the application of a bioremediation enhancing agent within the jurisdiction of RRT IV and VI. The pre-designated FOSC provided by the USCG and EPA will forward a Bioremediation Use Authorization Form (filled out by RP) to RRT IV/VI personnel as well as consulting with the impacted Natural Resource Trustees. The RP may initiate a bioremediation after approval and concurrence from RRT IV and VI.

In the event alternate chemical or biological response activities are unequivocally mandated by spill events/conditions, BP personnel will follow the application process outlined in the Region IV RRT Bioremediation Spill Response Plan. However, it should be noted that BP Company does not foresee bioremediation or other alternate chemical response strategies as a necessary response countermeasure for spills that enter or threaten the waters of RRT Region IV or Region VI.

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GOM SPU
Control Tier: Tier 2 - GoM Region
Section 20, Page 1 of 1 Pages
© The Response Group 06/2009



21. DOCUMENTATION

A. Documentation Overview

Concise, detailed documentation is an integral function of the Incident Management Team (IMT) during each oil spill incident. Maintenance of complete and accurate records of all events that occur in chronological order is essential for legal requirements, response evaluation, cost minimization, and as a future training guide. Each group within the response organization is responsible for compiling and maintaining adequate records in support of the Documentation Unit Leader. Information received from well-documented spills may be utilized to protect the company's interests and critique spill clean up and prevention programs. It may be advisable to have a retained historian to document every aspect of the spill response in a written account.

BP's primary means of maintaining written incident documentation will be the creation of an Incident Action Plan.

B. Documentation Unit Leader (DU)

Ideally, the Documentation Unit Leader assigned within the Incident Command System (ICS) will have experience with large scale incidents and will also have had the opportunity to follow a documentation package from inception to the point where it is challenged in court. Understanding the types of challenges a spill archive must meet in order to be considered adequate during the Department of Justice (DOJ) portion of the process is critical to the success or failure of the documentation system. Major objectives of the DU are listed below:

•	Complete initial incident assessment
•	Establish comprehensive documentation system
•	Establish effective documentation during demobilization
•	Establish single, central, comprehensive archive
•	Complete CERCLA Administrative Record

Duties of the Documentation Unit Leader may be reviewed in **Figure 4-2**.



C. Standard for Records

Standards for response documentation are illustrated below:

•	<u>Factual</u> : Response documentation is a record of response activities associated with spill cleanup procedures and not a referendum for analysis, conclusions, speculation, opinions or comments.
•	<u>Accuracy</u> : Records which are not accurate are a reflection upon the documentation system and cannot be relied upon.
•	<u>Complete</u> : Records must be complete to tell the entire story.
•	<u>Clear</u> : Records must be clearly stated to support the company's attempt(s) to recover costs at a later date.
•	<u>Concise</u> : Eliminate irrelevant, unnecessary data.
•	<u>Identified</u> : Records which include meeting minutes should identify the individual reading them.
•	<u>Dated</u> : All entries should include a time and date in order to reconstruct sequences of events at later dates.

Privileged Records

In addition to the above, it may be requested that a "privileged record"—on which is not subject to subpoena or discovery in a court of law, is created. Any record of this nature must be clearly marked "Privileged Document".

Distribution of Records

Records other than privileged records should be retained by the group that created them and a copy distributed either to the Documentation Unit (for non-cost-related documents) or to the Finance Unit (for cost-related documents).

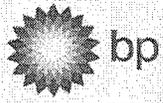
Destruction of Records

NO records whatsoever should be discarded or erased without the prior approval of the Legal Officer.

D. Essential Documentation

1. Daily Log(s)

A log of daily events from each ICS group will be maintained from the time a spill is reported until cleanup operations are completed. Each entry should record the date, time, place, action and signature of any witness(s). The log must be maintained in a secure place.



Note: It may be advisable to have a complete written or taped record of all actions taken during a response activity. To the degree possible, the record should be made as events occur.

a. Notification Documents

- Date and Time of notification
- Person reporting spill
- Person reporting spill telephone number
- Vessel name (if applicable)
- Location of spill (detailed)
- Date and time of spill
- Type and quantity of material spilled
- Source of spill
- Spill stopped or continuous
- Flow rate
- Response actions in progress and impending
- Areas impacted or threatened
- Weather conditions (sea state, wind direction, etc.)
- Summary of vessel damage
- Summary of personnel/agencies notified and time of notification
- Extent of spill, location and direction

b. Response Actions

- Equipment and manpower
- Response activities, techniques, etc.
- Effectiveness of cleanup activities (daily)

c. Responsible Party Information**d. Conversations With Non-Company Personnel**

- USCG, EPA, local authorities, etc.
- Media and private sector referred to as Public Affairs
- FOSC – record all orders and directions and have him/her sign to acknowledge

e. Damages

- Property (i.e., boats, other, etc.)
- Human (i.e., injury, fatality)
- Wildlife (i.e., details)

f. List Of All Persons On-Scene

- Officials
- Contractors
- Other(s)

g. Costs Incurred

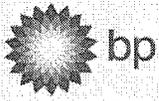
- Contractors listing of manpower, equipment and materials daily. Charges verified daily by designated representative and contractor to avoid payment discrepancies.

h. Material Recovered

- Illustrates cleanup effectiveness and determines amount to be recovered.

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GOM SPU
Control Tier: Tier 2 - GoM Region
Section 21, Page 3 of 6 Pages
© The Response Group 06/2009

**2. Types of Files****a. Composite Files**

Composite files contain a variety of information separated on the basis of time, geographic information, and other factors (i.e., weather; health and safety, trajectories, at risk habitats, etc.) which may be standardized for a given day.

- Daily composite files
- Weather/Tides/Currents
- Over flight activities
- Daily Incident Action Plan (IAP)
- Public Affairs
- Safety
- Message files
- Correspondence files
- Division Task Force Files
- Zone descriptions
- Shoreline surveys
- Oiling maps
- Daily shoreline cleanup reports
- Final Sign-off Report
- Photographs and miscellaneous

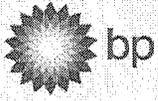
b. Subject Files

Subject files contain information generated throughout the response effort under a limited heading (i.e., all reconciliation documents, all property records, etc.)

- Pollution reports
- Legal files (Privileged document, attorney-client communication)
- Property records
- Financial management records
- Over flight results
- Purchase requests
- Disposal manifests
- Agency correspondence
- Salvage and lighting
- Personnel and equipment use documentation
- Trajectory reports
- Contract administration file (i.e., correspondence, invoices, reconciliation documents)
- Fire fighting files
- Personnel files
- Weather and tides
- Incident Action Plans (Daily)
- Cost documentation
- Health and safety (i.e., Site Safety Plans, OSHA correspondence, accident/injury reports)
- Business/calling cards
- Public affairs

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GOM SPU
Control Tier: Tier 2 - GoM Region
Section 21, Page 4 of 6 Pages
© The Response Group 06/2009



c. Legal Files

The Legal Officer may request a proprietary record and file be established which will not be subject to subpoena or discovery in a court of law in the event subsequent legal issues involving the spill incident. Files of this nature should be hand-delivered and held in strict control. Procedures for establishing legal files are listed below:

- Archive and segregate documents which may be exempt from release under FOIA (i.e., drafts, privacy act, attorney work product, proprietary information, etc.)
- Review documents selected with Legal Officer.
- Separate non-releasable documents and consolidate into one area.
- Microfilm releasable portion of the archive, if directed.

d. Photographic/Video Documentation

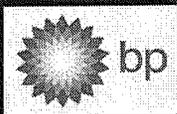
Color photographic and video documentation is produced to record the source and extent of the spill as well as the on-going cleanup effort. The following information should be recorded at the time each picture/video is taken:

- Name and location of the vessel, facility or site
 - Date and time
 - Name(s) of photographer and witnesses
 - Description of subject
 - Reference to outstanding landmarks
- Additionally, legal personnel may request information concerning resolution, camera make and model, photographic enhancement, etc. A professional photographer should be retained to produce the photographic and videotape documentation to provide the optimum results. The Documentation Unit Leader will set up files for photographic and video documents as well as provide copies to appropriate ICS groups.

e. Oil Sampling Documentation

Oil sampling is an integral part of documenting an oil spill cleanup operation in order to accurately record the history of the spilled product and to mitigate subsequent legal issues which may arise. The purpose of the documentation may also protect the company image, minimize expenses and use the documentation log as a basis for criticizing spill prevention and cleanup programs. The spilled product may be sampled by a number of involved parties including, but not limited to, the USCG and the Responsible Party. The spilled product should be sampled by taking samples of unspilled oil for reference and spilled oil for comparison. Standard ASTM sampling procedures for waterborne and shoreside oils must be strictly followed when obtaining samples. The objectives of oil sampling are listed below:

- Obtain a quantity of oil that makes identification possible (one pint or more)
 - Obtain a true representation of the oil
 - Properly handle the sample to avoid contamination
 - Protect the legal validity of the sample identity and subsequent analysis by following a continuous chain of custody procedure from sampling to analysis.
- Notification records will not be destroyed without prior approval from the Legal Officer.



E. National Preparedness for Response Exercise Program (PREP)

1. Criteria for Documentation

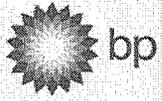
The criteria for proper documentation and self certification of exercises and actual emergencies are primarily derived from the National Preparedness for Exercise Program (PREP) guidelines and 30 CFR § 254.42. An actual response can qualify as an exercise under the program if the required documentation is compiled which includes the following:

•	Type of exercise/response
•	Date and time of exercise/response
•	Description of exercise/response
•	Objectives met
•	PREP requirements fulfilled
•	Lessons learned

2. Incident Documentation

The criteria for incident documentation vary according to the type of incident involved. Incidents will be documented as listed below:

•	The members of the Spill Management Team will record all events and conversations in the pre-prepared unit log books issued to each team member.
•	The incident response critique and records of follow-up activities will be maintained by the OOPS.
•	The appropriate documentation will be maintained by the OOPS in the event that the incident is a qualifying response under PREP.
•	The OOPS Command Post facility maintains all records.



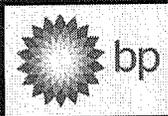
22. PREVENTION MEASURES FOR FACILITIES LOCATED IN STATE WATERS

NOT APPLICABLE

BP does not own or operate facilities located in state waters. For a complete listing of facilities owned and operated by BP, please see **Appendix A**.

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Repogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GOM SPU
Control Tier: Tier 2 - GoM Region
Section 22, Page 1 of 1 Pages
© The Response Group 06/2009



BP

Regional Oil Spill Response Plan – Gulf of Mexico

Appendix A
Facility
Information

APPENDIX A – FACILITY INFORMATION

This Oil Spill Response Plan (OSRP) encompasses all facilities operated by BP herein in the jurisdiction of the Minerals Management Service (MMS). Information on Federal or State leases and/or pipelines operated by BP is included in Appendix A.

Rating system for potential worst case discharge:

Rating	Volume (Barrels)
A	0 - 1,000
B	1,001 – 3,000
C	3,001 – 10,000
D	10,001 – 20,000
E	20,001+

Table 1 OCS Production Facilities	
1	Provide the 2-letter MMS area designation of the facility (e.g., MP, PS, WC).
2	Provide the OCS Block No. of the facility (e.g., 25, 251, A-375).
3	Provide the OCS Lease No. of the facility (e.g., 091, 0425, G 10112).
4	Provide the facility designation (e.g., No. 2, A, JA).
5	Provide the 5-digit MMS complex identification number for the facility.
6	Provide the water depth at the site of the facility in feet.
7	Provide the latitude and longitude of the facility in degrees and decimal minutes (e.g., 28° 25.35'N, 90°09.08'W).
8	Provide the distance from the facility to the nearest shoreline in miles.
9	Provide the API gravity of the densest oil being produced or stores at the facility.
10	Enter the appropriate worst-case discharge volume rating (e.g., A, B, C, D, or E).
11	If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the rate that oil is being produced in barrels per day from an uncontrolled flow of the highest capacity well at the facility.
12	If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the total volume in barrels of all tanks on the facility used for the storage of oil including production (e.g., fuel oil including diesel fuel, corrosion inhibitors).
13	If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the throughput volume in barrels of oil per day of the lease term pipelines that depart the facility.

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Repogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GoM SPU
 Control Tier: Tier 2 - GoM Region
 Appendix A, Page 1 of 15 Pages
 © The Response Group 06/2009

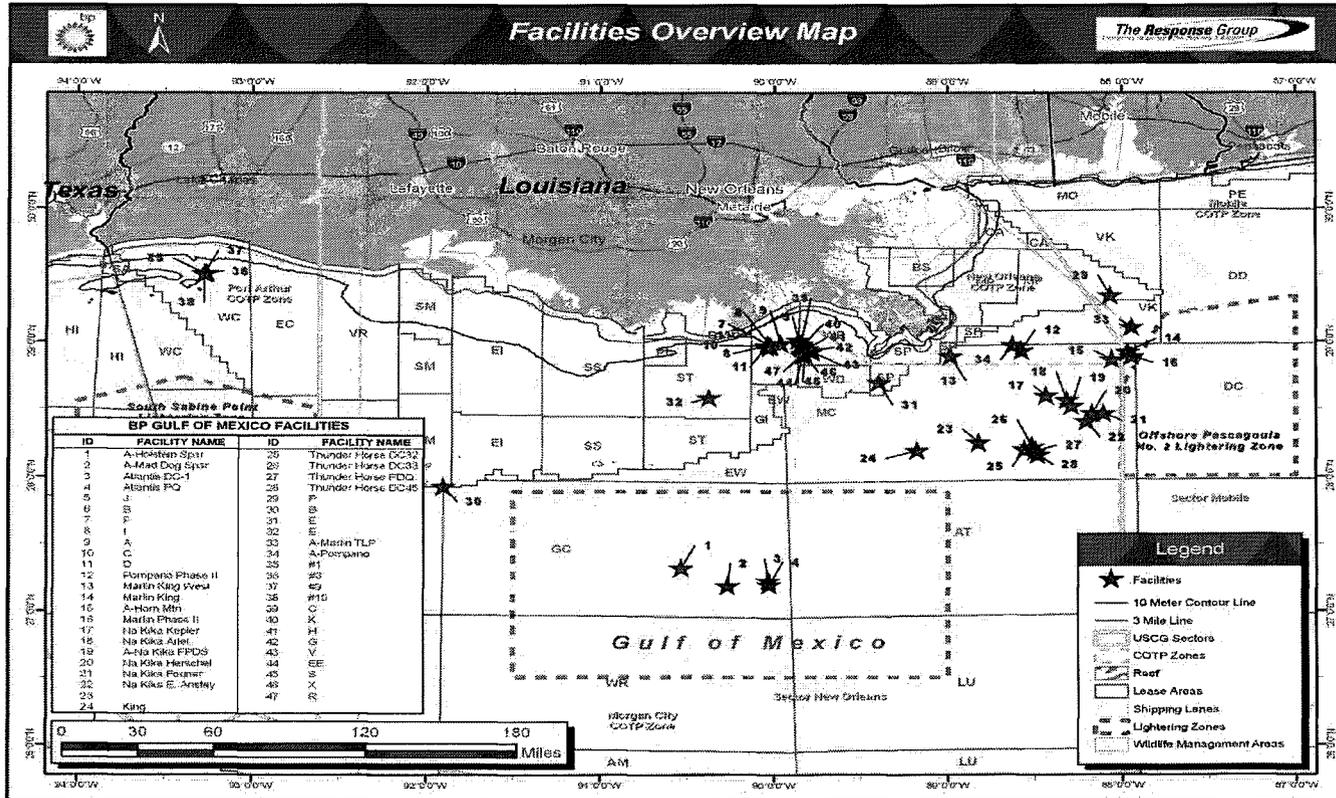


BP
Regional Oil Spill Response Plan – Gulf of Mexico

Appendix A
Facility
Information

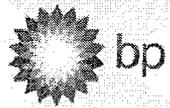
Gulf of Mexico Facilities Overview Map

Figure A-1



Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GoM SPU
 Control Tier: Tier 2 - GoM Region
 Appendix A, Page 2 of 15 Pages
 © The Response Group 06/2009



BP
Regional Oil Spill Response Plan – Gulf of Mexico

Appendix A
Facility
Information

A. Table 1 – Production Platforms and Structures in OCS Waters

Figure A-2

Production Platforms and Structures in OCS Waters													
Oper.	Area	Block	Lease	Facility Name	Facility ID ¹	Water Depth	Latitude/ Longitude	Distance to Shore	API Gravity	Rating ²	High Well ³	All Storage ⁴	Thru Volume ⁵
2481	GC	645	G- 11081	A-Holstein Spar	1035	4340'	N 27° 19' 16.43"/ W 90° 32' 07.69"	119	31.0	E	E	E	N/A
2481	GC	782	G-15610	A-Mad Dog Spar	1215	4420'	N 27° 11' 18.12"/ W 90° 16' 07.36"	111.4	27.2		E	E	N/A
2481	GC	743	G15607	Atlantis DC-1	N/A	6830'	N 27° 13' 28"/ W 90° 01' 56"	122			N/A	N/A	
2481	GC	787	G-23579	A-Atlantis PQ	1223	7080'	N 27° 11' 43.64"/ W 90° 01' 37.15"	124			E	E	N/A
2481	MC	28	G09771	Pompano Phase II	N/A	1865'	N 28° 55' 58.25/ W 88° 34' 29.19"	24.4					
2481	MC	84	G08484	Marlin King West	N/A	5475'	N 28° 53.5'/ W 88° 59.0'	55.9					
2481	MC	85	G08797	Marlin King	N/A	5235'	N 28° 55.2'/ W 87° 57.9'	56.3					
2481	MC	127	G-19925	A-Horn Mtn.	00876-1	5400'	N 28° 51' 57.65"/ W 88° 03' 22.55"	53.0	35.0	B	E	E	N/A

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Administrator
 Issuing Dept.: GoM SPU
 Control Tier: Tier 2 - GoM Region
 Appendix A, Page 3 of 15 Pages
 © The Response Group 06/2009

BP-HZN-CEC 000411



BP

Regional Oil Spill Response Plan – Gulf of Mexico

Appendix A
Facility
Information

Production Platforms and Structures in OCS Waters (Cont'd)

Oper.	Area	Block	Lease	Facility Name	Facility ID ¹	Water Depth	Latitude/ Longitude	Distance to Shore	API Gravity	Rating ²	High Well ³	All Storage ⁴	Thru Volume ⁵
2481	MC	383	G07937	Na Kika Kepler	N/A	5810'	N 28° 35.9' / W 88° 26.1'	43.0					
2481	MC	429	G07944	Na Kika Ariel	N/A	5200'	N 28° 33.9' / W 88° 19.0'	48.0					
2481	MC	474	10997	A-Nakika	22088	6340'	N 28° 31' 15.25" / W 88° 17' 19.64"	52.2			C	E	N/A
2481	MC	520	G09821	Na Kika Herschel	N/A	6800'	N 28° 27.9' / W 88° 10.2'	58.9					
2481	MC	522	G08823	Na Kika Fourier	N/A	6930'	N 28° 27.8' / W 88° 06.3'	61.7					
2481	MC	608	G09838	Na Kika E. Anstey	N/A	6660'	N 28° 24.3' / W 88° 12.3'	59.7					
2481	MC	462	G28008		N/A	6095	N 28° 30' 47.42" / W 88° 52' 40.84"	33	26	E	N/A	N/A	N/A
2481	MC	764	G08852	King	#4	3283'	N 28° 11' 38.40" / W 89° 10' 39.64"	60.0	29	C	N/A	N/A	N/A
2481	MC	776	G09866	Thunder Horse DC32	N/A	5630'	N 28° 12.0' / W 88° 33.5'	55.2					
2481	MC	777	G09867	Thunder Horse DC33	N/A	5610'	N 28° 13.2' / W 88° 31.0'	55.9					
2481	MC	778	G-9868	Thunder Horse PDQ	1101	6030'	N 28° 11' 26.70" / W 88° 29' 44.50"	59.4	33.0	N/A	N/A	N/A	N/A
2481	MC	822	G14658	Thunder Horse DC45	N/A	6260'	N 28° 09' 48" / W 88° 29' 01"	69.1					
2481 ^b	SM	205	G-05475	B	27014	530'	N 27° 55' 39.66" / W 91° 54' 09.57"	85.1			N/A	N/A	N/A
2530	SP	89	G-23429	E	1093	392'	N 28° 41' 50.55" / W 89° 23' 45.29"	15		E	N/A	N/A	N/A
2481	VK	915	G-06894	A-Marlin TLP	235-1	3236'	N 29° 06' 27.46" / W 87° 56' 37.15"	55.7	43.1	E	N/A	N/A	40,972
2481	VK	989	G-06898	A-Pompano	24130	1290'	N 28° 58' 22.92" / W 88° 37' 33.55"	23.0	31.7	D	5,253	N/A	49,404

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GoM SPU
 Control Tier: Tier 2 - GoM Region
 Appendix A, Page 4 of 15 Pages
 © The Response Group 06/2009



BP

Regional Oil Spill Response Plan – Gulf of Mexico

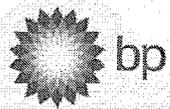
Appendix A
Facility
Information

Table 2 OCS Pipelines

1	Provide the 2-letter MMS area designation and the OCS Block No. of the originating point of the ROW pipeline (e.g., WC 425, HI A-375).
2	Provide the latitude and longitude of the originating point of the ROW pipeline in degrees and decimal minutes (e.g., 28° 25.35'N, 90°09.08'W).
3	Provide the 2-letter MMS area designation and the OCS Block No. of the terminus of the ROW pipeline (e.g., WC 425, HI A-375).
4	Provide the latitude and longitude of the terminus of the ROW pipeline in degrees and decimal minutes (e.g., 28° 25.35'N, 90°09.08'W).
5	Indicate whether the ROW pipeline either terminates or originates at the Federal / State boundary (i.e., Yes, No).
6	Provide the 5-digit MMS Segment No. of the ROW pipeline (e.g., 00006, 01234, 11456).
7	Provide the OCS ROW No. of the ROW pipeline (e.g., 092, 0436, G 10992).
8	Provide the length of the ROW pipeline in feet.
9	Provide the internal diameter of the ROW pipeline in inches.
10	Provide the API Gravity of the oil being transported by the ROW pipeline.
11	Indicate whether the ROW pipeline is monitored by a leak detection system (i.e., yes, no).
12	Provide the throughput volume in barrels of oil per day of the ROW pipeline.
13	Provide the distance to shore of the point of the ROW pipeline that is nearest to the shoreline in miles.
14	Indicate whether the ROW pipeline has an associated appurtenance platform(s) (i.e., Yes, No).

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Repogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GoM SPU
Control Tier: Tier 2 - GoM Region
Appendix A, Page 5 of 15 Pages
© The Response Group 06/2009



BP
Regional Oil Spill Response Plan – Gulf of Mexico

Appendix A
Facility
Information

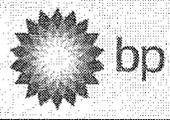
B. Table 2 – ROW Pipelines in OCS Waters

Figure A-3

ROW Pipelines in OCS Waters														
Oper	1 From	2 Latitude/ Longitude	3 To	4 Latitude Longitude	5 F/S Boundary ¹	6 Segment Number	7 ROW #	8 Length (feet)	9 Size (in)	10 API Gravity	11 Leak Detect System	12 Thru Volume ² (bbbls)	13 Distance To Shore ³	14 Appurt. Platform ⁴
00751	GC 645A	N 27 19' 16.71" W 90 32' 07.38"	SS 332 B	N 28 06' 13.63" W 90 47' 32.71"	No	13677	23445	368,508	24-28	29	Yes	500,000	67.0	YES
00751	GC 645A	N 27 19' 16.71" W 90 32' 07.38"	SS 332 A	N 28 06' 13.63" W 90 47' 32.71"	No	13676	23444	368,066	16-20	Gas	Yes	Prop	67.0	YES
2481	GC 743	N 27 13' 27.95" W 90 01' 54.53"	GC 787 A	N 27 13' 44.39" W 90 01' 36.97"	No	15263	G26918	8259	10	BLOH	Yes			
2481	GC 743	N 27 13' 27.95" W 90 01' 54.53"	GC 787 A	N 27 13' 44.39" W 90 01' 36.97"	No	15264	G26918	8259	16	CSNG	Yes			
2481	GC 743	N 27 13' 27.72" W 90 01' 56.54"	GC 787 A	N 27 11' 44.24" W 90 01' 37.73"	No	15266	G26919	7985	10	BLOH	Yes			
2481	GC 743	N 27 13' 27.72" W 90 01' 56.54"	GC 787 A	N 27 11' 44.24" W 90 01' 37.73"	No	15267	G26919	7985	16	CSNG	Yes			
2481	GC 743	N 27 13' 27.56" W 90 01' 57.24"	GC 787 A	N 27 11' 44.20" W 90 01' 37.89"	No	15269	G26920	8406	10	BLOH	Yes			
2481	GC 743	N 27 13' 27.56" W 90 01' 57.24"	GC 787 A	N 27 11' 44.20" W 90 01' 37.89"	No	15270	G26920	8406	16	CSNG	Yes			
2481	GC 743	N 27 13' 28.06" W 90 01' 54.08"	GC 787 A	N 27 11' 44.42" W 90 01' 36.79"	No	15273	G26921	8675	10	BLOH	Yes			
2481	GC 743	N 27 13' 28.06" W 90 01' 54.08"	GC 787 A	N 27 11' 44.42" W 90 01' 36.79"	No	15274	G26921	8675	16	CSNG	Yes			
2481	GC 743	N 27 13' 28.44" W 90 01' 53.88"	GC 787 A	N 27 11' 44.41" W 90 01' 36.61"	No	15276	G26922	9231	10	BLOH	Yes			
2481	GC 743	N 27 13' 28.44" W 90 01' 53.88"	GC 787 A	N 27 11' 44.41" W 90 01' 36.61"	No	15277	G26922	9231	16	CSNG	Yes			
00751	GC 782A	N 27.1946 W 90.2638	GC 603 24 SSTI	N 27.3765 W 90.4125	No	13674	23445	111,042	24	29	Yes	365,000	117.0	NO
00751	GC 787A	N 27° 11' 43.64" W 90° 01' 37.15"	GC 739 24 SSTI	N 27° 14' 06.7" W 90° 14' 07.7"	No	14007	G24634	95,442	24	29	Yes	Prop	N/A	YES
00751	GC 787A	N 27° 11' 43.64" W 90° 01' 37.15"	GC 739 24 SSTI	N 27° 14' 09.90" W 90° 13' 56.07"	No	14008	G24635	93,380	16	Gas	Yes	N/A	N/A	YES

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSE Document Mgmt Administrator
 Issuing Dept.: GoM SPU
 Control Tier: Tier 2 - GoM Region
 Appendix A, Page 6 of 15 Pages
 © The Response Group 06/2009



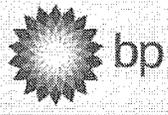
BP
Regional Oil Spill Response Plan – Gulf of Mexico

Appendix A
Facility
Information

ROW Pipelines in OCS Waters														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Oper	From	Latitude/ Longitude	To	Latitude Longitude	F/S Boundary ¹	Segment Number	ROW #	Length (feet)	Size (in)	API Gravity	Leak Detect System	Thru Volume ² (bbls)	Distance To Shore ³	Appurt. Platform ⁴
2481	MC 85	N 28° 55'11.48" W 87° 57'57.71"	MC 85	N 28° 55'11.92" W 87° 57'57.71"	No	14055	G24655	45	6	BLKO				

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GoM SPU
Control Tier: Tier 2 - GoM Region
Appendix A, Page 7 of 15 Pages
© The Response Group 06/2009



BP
Regional Oil Spill Response Plan – Gulf of Mexico

Appendix A
Facility
Information

ROW Pipelines in OCS Waters (Cont'd)

Oper	1 From	2 Latitude/ Longitude	3 To	4 Latitude Longitude	5 F/S Boundary ¹	6 Segment Number	7 ROW #	8 Length (feet)	9 Size (in)	10 API Gravity	11 Leak Detect System	12 Thru Volume ² (bbls)	13 Distance To Shore ³	14 Appurt. Platform ⁴
2481	MC 127A	N 28.866197 W 88.05625	MP 260P	N 29.342661 W 88.066794	No	13359	G22472	206,538	10	Gas	Yes	Gas	41.0	YES
2481	MC 127A	N 28.866197 W 88.056281	MP 289C	N 29.248622 W 88.441314	No	13360	G22473	184,814	12	Oil	Yes		41.0	YES
2481	MC 129 SS manifo	N 28.88943714 W 87.94281293	VK 915 TLP	N 29.10782578 W 87.94344306	No	13384	G22475	85,302	8	41	Yes	22500	72.0	YES
2481	MC 129 SS manifo	N 28.88943714 W 87.94281293	VK 915 TLP	N 29.10782578 W 87.94344306	No	13385	G22475	85,302	12	Meth	Yes	N/A	72.0	YES
2481	MC 129 SS manifo	N 28.88942627 W 87.94283671	VK 915 TLP	N 29.10779009 W 87.9434018	No	13386	G22476	87,185	8	41	Yes	14500	72.0	YES
2481	MC 129 SS manifo	N 28.53' 29.8" W 87.56' 08.3"	VK 915	N 29.06' 28.6" W 82.56' 36.4"	No	13387	G22476	87,185	12.75	Glycol H2O	Yes	N/A	72.0	YES
2481	MC 383	N 28° 35'52.89" W 88° 26'07.68"	MC 474	N 28° 31'15.66" W 88° 17'20.49"	No	13814	G24240	53,378	05-10	BLKO				
2481	MC 383	N 28° 35'52.89" W 88° 26'07.68"	MC474	N 28° 31'15.66" W 88° 17'20.49"	No	13815	G24240	53,378	16	CSNG				
2481	MC 429	N 28° 33'53.68" W 88° 19'02.53"	MC 474	N 28° 31'16.06" W 88° 17'20.13"	No	13822	G24242	16,032	16	CSNG				
2481	MC 429	N 28° 33'53.68" W 88° 19'02.53"	MC 474	N 28° 31'16.06" W 88° 17'20.13"	No	13821	G24242	16,032	10	BLKO				
0751	MC 474 A	N 28.5210 W 88.2890	MP 260 P	N 29.3424 W 88.0669	No	13591	G23093	388,023	20-24	GAS	Yes	N/A	41.0	YES
2481	MC 474 A	N 28° 31'50.87" W 88° 19'36.23"	MC 473	N 28° 31'15.79" W 88° 17'20.48"	No	13812	G24241	10,084	5	LIFT				
2481	MC 474 A	N 28° 33'53.65" W 88° 19'02.29"	MC 429	N 28° 31'16.04" W 88° 17'20.02"	No	13826	G24243	15,824	04-05	LIFT				
2481	MC 520	N 28°27'57.77" W 88° 10'11.08"	MC 474	N 28° 31'07.31" W 88° 16'50.21"	No	13788	G24236	41,023	05-08	BLKO				

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GoM SPU
 Control Tier: Tier 2 - GoM Region
 Appendix A, Page 8 of 15 Pages
 © The Response Group 06/2009



BP
Regional Oil Spill Response Plan – Gulf of Mexico

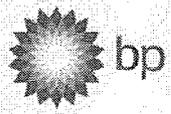
Appendix A
Facility
Information

ROW Pipelines in OCS Waters (Cont'd)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Oper	From	Latitude/ Longitude	To	Latitude Longitude	F/S Boundary ¹	Segment Number	ROW #	Length (feet)	Size (in)	API Gravity	Leak Detect System	Thru Volume ² (bbbls)	Distance To Shore ³	Appurt. Platform ⁴
2481	MC 520	N 28° 27'57.77" W 88° 10'11.08"	MC 474	N 28° 31'07.31" W 88° 16'50.21"	No	13789	G24236	41,023	12	CSNG				
2481	MC 522	N 28° 27'49.34" W 88° 06'17.48"	MC 474	N 28° 31'10.30" W 88° 16'50.20"	No	13799	G24238	61,287	08	BLKG				
2481	MC 522	N 28° 28'19.33" W 88° 06'09.98"	MC 474	N 28° 31'11.83" W 88° 16'49.83"	No	13802	G24239	61,504	08	BLKG				
2481	MC 608	N 28° 24'18.0" W 88° 12'18.04"	MC 474	N 28° 31'14.64" W 88° 17'18.82"	No	13786	G23729	49,415	05-08	BLKG				
00751	MC 778 A	N 28 11' 27.964" W 88 29' 44.503"	SP 89 E	N 28 41' 51.132" W 89 23' 45.3"	No	13633	G23429	373,166	24-28	34	Yes	416,000	17.0	YES
00751	MC 778	N 28.2004 W 88.4985	MC 428 SSTI	N 28.5448 W 88.4035	No	13632	G23428	130,398	20	Gas	Yes			NO
00751	MP 225 A	N 29 23.59 / W 88 02.34	MP 69	N 29 16.28 / W 89 00.58	Yes	11015	G16048	317,988	18	34.8	Yes	72,000	3.0	NO
02193 Destin PL	MP 260	N 29 20.7 W 88 4.0	MO 819FS	N 30 9.8 W 88 22.6	Yes	11273	0176	325,867	36	Gas	Yes	Gas	3	YES
00751	MP 281A	N 29 17.05 W 88 10.47	MP 245 18 SSTI	N 29 22.25 W 88 12.14	No	11928	G20541	30,638	10	45.2	Yes	6,016	55.6	NO

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GoM SPU
 Control Tier: Tier 2 - GoM Region
 Appendix A, Page 9 of 15 Pages
 © The Response Group 06/2009



BP
Regional Oil Spill Response Plan – Gulf of Mexico

Appendix A
Facility
Information

ROW Pipelines in OCS Waters (Cont'd)														
Oper	1 From	2 Latitude/ Longitude	3 To	4 Latitude Longitude	5 F/S Boundary ¹	6 Segment Number	7 ROW #	8 Length (feet)	9 Size (in)	10 API Gravity	11 Leak Detect System	12 Thru Volume ² (bbls)	13 Distance To Shore ³	14 Appurt. Platform ⁴
02193	MP284 SS FLANG	N 29 16.2 W 88 15.2	MP 260 P	N 29 20.7 W 88 4.0	No	11930	G20542	69,183	24	Gas	Yes	Gas	45	YES
00751	SP 89 E	N 28° 41'51.86" W 89° 23'47.70"	GI19	N 29° 15'23.67" W 89° 57'46.04"	Yes	13534	G23068	243,588	30	Oil	Prop			
00751	VK 823 A	N 29 10.55? W 88 10.01	MP 281 10 SSTI	N 29 17.05? W 88 10.47?	No	12255	G21257	43,895	8	51.9	Yes	823	50	NO
00751	VK 826 A	N 29 09.49 W 87 59.27	MP 225 A	N 29 23.59 W 88 02.34	No	10981	G16032	92,525	8	34.4	Yes	14,030	65.6	NO
02193	VK 900 A	N 29 5.3 W 88 42.4	MP 284 FLANGE	N 29 16.2 W 88 15.2	No	11935	G20547	162,900	24	58-62	Yes	250	19	YES
2481	VK 914 SS #1	N 29 4' 39.88887 W -88 0' 56.0937	VK 915 A TLP	N 29 6' 27.46 W -87 56' 37.14	No	12757	Lease term ppl	23,059	6	51	Yes	2000	64.0	YES
2481	VK 914 SS #1	N 29 4' 39.88887 W -88 0' 56.0937	VK 915 A TLP	N 29 6' 27.46 W -87 56' 37.14	No	12758	Lease term ppl	23,059	6	51	Yes	Gas	64.0	YES
0114	VK 915 A Marlin	N 29.10760444 W 87.94367797	MP 225A	N 29 23 58.3 W 88 02 35.1	No	11765	G19681	115,063	10	Oil	Yes			YES
0114	VK 915 #1 SSW	N 29.1075525 W 87.94362108	MP 260 A	N 29 20.7 W 88 4.0	No	11766	G19682	98,270	14	Gas	Yes			YES

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GoM SPU
 Control Tier: Tier 2 - GoM Region
 Appendix A, Page 10 of 15 Pages
 © The Response Group 06/2009



BP

Regional Oil Spill Response Plan – Gulf of Mexico

**Appendix A
Facility
Information**

ROW Pipelines in OCS Waters (Cont'd)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Oper	From	Latitude/ Longitude	To	Latitude Longitude	F/S Boundary ¹	Segment Number	ROW #	Length (feet)	Size (in)	API Gravity	Leak Detect System	Thru Volume ² (bbls)	Distance To Shore ³	Appur. Platform ⁴
2367	VK 915 SS #2	N 29.0973542 W -87.935516	VK 915 A TLP	N 29 6' 27.46 W -87 56' 37.14	No	13146	Lease term ppl	5095	6	Gas	Yes	4000	64.0	YES
2367	VK 915 SS#1	N 29.0973028 W -87.9357319	VK 915 A TLP	N 29 6' 27.46 W -87 56' 37.14	No	13145	Lease term ppl	5196	6	Gas	Yes	Gas	64	YES
2367	VK 915 Plet#1	N 29.0973028 W -87.9357319	VK 915 Pelt #2	N 29.0973542 W -87.935516	No	13147	Lease term ppl	94	6	Serv	Yes		64.0	YES
2367	VK 915 SS#2	N 29.0973542 W -87.935516	VK 915 A TLP	N 29 6' 27.46 W -87 56' 37.14	No	13146	Lease term ppl	5095	6	Gas	Yes	Gas	64.0	YES
2481	VK 989A	N 28.9730325 W 88.6259775	SP 62 12" SSTI - SHELL	N 29.07806271 W 88.74905482	No	10269	G14680	57,557	12	31.7	Yes	49,404	26.0	YES
2481	VK 989A	N 28.9730325 W 88.6259775	SP 62 20" SSTI - SONAT	N 29.10603035 W 88.72120222	No	10270	G14681	61,956	12	Gas	Yes	Gas	27.0	YES

- ¹ Indicate whether the ROW pipeline either terminates or originates at the Federal/State boundary (i.e., Yes or No).
- ² Provide the throughput volume in barrels of oil per day of the ROW pipeline.
- ³ Provide the distance to shore of the point of the ROW pipeline that is nearest to the shoreline in miles.
- ⁴ Indicate whether the ROW pipeline has an associated appurtenance platform(s) (i.e., Yes or No).

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GoM SPU
 Control Tier: Tier 2 - GoM Region
 Appendix A, Page 11 of 15 Pages
 © The Response Group 06/2009

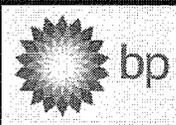
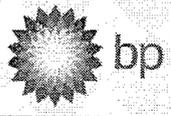


Table 3 Platforms in State Waters

1	Provide the 2-letter MMS area designation of the State facility (e.g., MP, PS, WC).
2	Provide the State Block No. of the State facility.
3	Provide the State Lease No. of the State facility.
4	Provide the State facility designation.
5	Provide the State-assigned identification number for the facility.
6	Provide the water depth at the site of the State facility in feet.
7	Provide the latitude and longitude of the State facility in degrees and decimal minutes (e.g., 28° 25.35'N, 90°09.08'W).
8	Provide the distance from the facility to the nearest shoreline in miles.
9	Provide the API Gravity of the densest oil being produced or stored at the State facility.
10	Enter the appropriate worst-case discharge volume rating (e.g., A, B, C, D, or E).
11	If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the rate that oil is being produced in barrels per day from an uncontrolled flow of the highest capacity well at the facility.
12	If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the total volume in barrels of all tanks on the facility used for the storage of oil including production (e.g., fuel oil including diesel fuel, corrosion inhibitors).
13	If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the throughput volume in barrels of oil per day of the lease term pipelines that depart the facility.

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GoM SPU
Control Tier: Tier 2 - GoM Region
Appendix A, Page 12 of 15 Pages
© The Response Group 06/2009



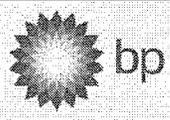
C. Table 3 – Production Platforms & Structures in State Waters

Figure A-4

Not Applicable.

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

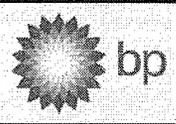
UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GoM SPU
Control Tier: Tier 2 - GoM Region
Appendix A, Page 13 of 15 Pages
© The Response Group 06/2009



1	Provide the 2-letter MMS area designation and the Block No. of the originating point of the State ROW pipeline (e.g., SP 2, EI 21).
2	Provide the latitude and longitude of the originating point of the State ROW pipeline in degrees and decimal minutes (e.g., 28° 25.35'N, 90°09.08'W).
3	Provide the 2-letter MMS area designation and the Block No. of the terminus of the State ROW pipeline or the point at which the ROW pipeline crosses the coastline (e.g., HI 96, SS 10).
4	Provide the latitude and longitude of the terminus of the State ROW pipeline (if in State waters) or the point at which the ROW crosses the coastline in degrees and decimal minutes (e.g., 28° 25.35'N, 90°09.08'W).
5	Indicate whether the ROW pipeline either terminates or originates at the Federal / State boundary (i.e., yes, no).
6	Provide the State-assigned identification number of the State ROW pipeline, if assigned.
7	Provide the State-assigned ROW No. of the State ROW pipeline.
8	Provide the length of the State ROW pipeline in feet.
9	Provide the internal diameter of the State ROW pipelines in inches.
10	Provide the API Gravity of the oil being transported by the State ROW pipeline.
11	Indicate whether the State ROW pipeline is monitored by a leak detection systems (i.e., Yes, No).
12	Provide the throughput volume in barrels of oil per day of the State ROW pipeline.
13	Provide the distance to shore of the point of the ROW pipeline that is nearest to the shoreline in miles.
14	Indicate whether the ROW pipeline has an associated appurtenance platform(s) (Yes, No).

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GoM SPU
Control Tier: Tier 2 - GoM Region
Appendix A, Page 14 of 15 Pages
© The Response Group 06/2009



BP
Regional Oil Spill Response Plan – Gulf of Mexico

Appendix A
Facility
Information

D. Table 4 – ROW Pipelines in State Waters

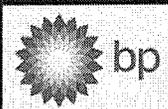
Figure A-5

ROW Pipelines in State Waters														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Oper	From	Latitude/ Longitude	To	Latitude Longitude	F/S Boundary ¹	Segment Number	ROW #	Length (feet)	Size (In)	API Gravity	Leak Detect System	Thru Volume ² (bbls)	Distance To Shore ³	Appurt. Platform ⁴
02193	MO 819 FS	29° 16.28' 89° 00.58'	MP 69	29° 15.22' 89° 01.16'	YES	—	—	6,893.2	16.876	34.8	YES	72,000	3.0	

- ¹ Indicate whether the ROW pipeline either terminates or originates at the Federal/State boundary (i.e., Yes or No).
- ² Provide the throughput volume in barrels of oil per day of the ROW pipeline.
- ³ Provide the distance to shore of the point of the ROW pipeline that is nearest to the shoreline in miles.
- ⁴ Indicate whether the ROW pipeline has an associated appurtenance platform(s) (i.e., Yes or No).
- ⁵ State identification numbers are not issued to facilities or pipelines.

Title of Document: Regional Oil Spill Response Plan
 Authority: Dan R. Replogle,
 GoM EMS Mgmt Representative
 Scope: GoM EMS
 Issue Date: 12/01/00
 Revision Date: 06/30/09
 Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
 Custodian: Earnest Bush,
 Environmental Coordinator
 Document Administrator: Kristy McNease,
 GoM HSSE Document Mgmt Administrator
 Issuing Dept.: GoM SPU
 Control Tier: Tier 2 - GoM Region
 Appendix A, Page 15 of 15 Pages
 © The Response Group 06/2009



APPENDIX B – TRAINING INFORMATION

A. BP OSRC/IC, IMT and QI

BP arranges for annual training for QI/IC and Incident Management Team (IMT) personnel including:

1. Qualified Individuals
2. Incident Commander
3. Operations Section Chief
4. Planning Section Chief
5. Logistics Branch Director
6. Others as necessary

For a listing of the most recent training sessions, see **Figure B-2**.

B. Training Agenda for IMT Members

Training provided includes the overall responsibility of the IMT as well as individual responsibilities, reporting procedures, location and intended use of available response equipment, deployment strategies, and oil spill trajectory analysis. The training is provided to comply with 30 CFR 254.41(b).

C. SROT/TRT Training

As specified in 30 CFR Part 254.41, personnel responsible for operating spill response equipment receive annual hands-on training by actual deployment and operation of equipment. For a full description of SROT/TRT training, refer to **Figure B-3**.

D. TRAINING Records

All records of training are maintained at BP's Houston, TX office. Training records are recorded in Virtual Training Assistant. For specific contact information regarding training records for BP, refer to **Figure B-1**.

Title of Document: Regional Oil Spill Response Plan
Authority: Dan R. Replogle,
GoM EMS Mgmt Representative
Scope: GoM EMS
Issue Date: 12/01/00
Revision Date: 06/30/09
Next Review Date: 06/30/11

UPS-US-SW-GOM-HSE-DOC-00177-2
Custodian: Earnest Bush,
Environmental Coordinator
Document Administrator: Kristy McNease,
GoM HSSE Document Mgmt Administrator
Issuing Dept.: GoM SPU
Control Tier: Tier 2 - GoM Region
Appendix B, Page 1 of 12 Pages
© The Response Group 06/2009

Duncan, Jeff

From: Gray, Morgan
Sent: Wednesday, June 02, 2010 10:29 AM
To: Goo, Michael
Subject: FW: part 3

Categories: Red Category

From: Golden, Ali
Sent: Tuesday, May 11, 2010 3:21 PM
To: Gray, Morgan
Subject: part 3



BP OSRP-part
3.pdf

Alexandra Golden
Professional Staff
House Energy and Commerce Committee
316 Ford House Office Building
202.226.4927 (p)
202.225.5288 (f)

Duncan, Jeff

From: Goo, Michael
Sent: Sunday, June 06, 2010 12:27 PM
To: Burnham-Snyder, Eben; Sharp, Jeff; Steinbuck, Jonah; Chenault, Jacqueline; Unruh-Cohen, Ana; Duncan, Jeff; Freedhoff, Michal; Joseph, Avenel; Gray, Morgan
Subject: Flow rate final
Attachments: IMG_0009.jpg; IMG_0010.jpg
Categories: Yellow Category

From: Goo, Michael
Sent: Sun 6/6/2010 12:24 PM
To: jmassie@alpinegroup.com; lreicherts@bp.com
Subject: Another letter this time on flow rate

Sorry if the PDF is a little strange its from home and I will send you a better one tommorrow. The text of the letter is below:

June 6, 2010

Mr. Lamar McKay
President and CEO,
BP America, Inc.
501 Westlake Park Boulevard
Houston, Texas, 70779

Dear Mr. McKay:

BP has now completed severing the broken riser pipe from the Deepwater Horizon well and has placed a cap on the top of the blowout preventer. BP has now begun to collect oil through this cap. However, as is evident from the live video feeds being shot on the ocean floor, substantial quantities of oil continue to escape from around the sides of the cap and from vents on the cap. These video feeds have also shown BP applying subsea dispersant into the gushing oil plumes escaping from around the cap.

The critical question at this time is: "how much oil is escaping into the environment?" BP CEO Tony Hayward has indicated that the cap is capturing 10,000 barrels per day. Mr. Hayward has also indicated that he expects soon to be able to capture "the vast majority" of the oil spewing from the well. However, conservative official estimates of the flow rate indicated that prior to the severing of the riser, somewhere between 12,000-19,000

barrels of oil were flowing from the well. In addition, government officials have suggested that by severing the kinked and broken riser pipe, flow rates could increase by up to 20 percent.

At this time, BP appears to know how much oil is being captured, which is encouraging. Yet BP still does not appear to know precisely how much oil is actually escaping, which is discouraging. Estimating the size of the spill at the source, instead of when it approaches the shore, continues to be the best way to gauge the leak. We need to know the amount of total oil flowing from the well, taking into account both the amount of oil being collected, and the amount being released into the ocean environment. This is critical, not only in terms of the efficacy of the temporary cap solution, but also in terms of the size and extent of the needed spill response and the ultimate effects on the environment. Finally, accurate flow rate information will be required to determine BP's financial liability in terms of fines, which could be as high as \$4,300 per barrel.

Therefore please answer the following questions immediately:

- 1) What is the total estimated volume of oil flowing from the well, taking into account both the amount of oil being captured and the amount of oil that is being released into the ocean? What is the basis for this estimate?
- 2) Prior to placement of the cap, but after complete severing of the riser pipe, did BP estimate the volume of flow from the well? Did BP determine whether the severing of the riser pipe did, in fact, increase the overall amount of flow? If so, by what percentage did the flow increase? If not when will BP perform this calculation? Please take account of any such calculation in the answer to question 1.
- 3) With regard to the estimate of 10,000 barrels of oil per day being recovered, is the material being recovered at the surface just oil or is it a mix of oil, seawater and other materials? How does the answer to this question affect your response to question 1? Is the 10,000 barrels per day estimate for just oil?
- 4) What is BP going to do with the oil it is recovering?

Sincerely,

Edward J. Markey
Chairman
Energy and Environment Subcommittee
Energy and Commerce Committee

CC: Honorable Henry Waxman, Chairman
Honorable Joe Barton, Ranking Member
Honorable Fred Upton, Ranking Member

Duncan, Jeff

From: Goo, Michael
Sent: Monday, June 07, 2010 11:40 AM
To: 'Reicherts, Elizabeth A'
Cc: 'Jim Massie'
Subject: FW: McKay Pre-hearing Questions
Attachments: McKay SC Pre-Hearing Questions.pdf

Categories: Yellow Category

Duncan, Jeff

From: Goo, Michael
Sent: Monday, June 07, 2010 11:40 AM
To: 'Reicherts, Elizabeth A'
Cc: 'Jim Massie'
Subject: FW: McKay Pre-hearing Questions
Attachments: McKay SC Pre-Hearing Questions.pdf

Categories: Yellow Category

Duncan, Jeff

From: Goo, Michael
Sent: Monday, June 07, 2010 11:47 AM
To: 'Jim Massie'
Subject: FW: BP Invite

Categories: Yellow Category

This was for the 25th—do you need an updated one for the 15th? Also on the questions if you could get me answers by the end of the week that would be great.....

From: Gray, Morgan
Sent: Monday, June 07, 2010 11:45 AM
To: Goo, Michael
Subject: BP Invite



McKay SC
Invitation Letter.pdf

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Monday, June 07, 2010 2:56 PM
To: Goo, Michael; Jim Massie
Subject: RE: June 15.

Categories: Yellow Category

who else is confirmed coming?

From: Goo, Michael [mailto:Michael.Goo@mail.house.gov]
Sent: Monday, June 07, 2010 2:47 PM
To: Jim Massie
Cc: Reicherts, Elizabeth A
Subject: RE: June 15.

9:30 and room is tbd

From: Jim Massie [mailto:jmassie@alpinegroup.com]
Sent: Monday, June 07, 2010 2:36 PM
To: Goo, Michael
Cc: Reicherts, Elizabeth A
Subject: June 15.

what time and which room on the 15th....

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Monday, June 07, 2010 3:26 PM
To: Gray, Morgan; Goo, Michael; Jim Massie
Subject: RE: June 15.

Categories: Yellow Category

thanks guys.

From: Gray, Morgan [mailto:Morgan.Gray@mail.house.gov]
Sent: Monday, June 07, 2010 3:22 PM
To: Goo, Michael; Reicherts, Elizabeth A; Jim Massie
Subject: RE: June 15.

Mr. Tillerson, Mr. Watson, Mr. Mulva, and Mr. Odum, respectively.

From: Goo, Michael
Sent: Monday, June 07, 2010 3:19 PM
To: 'Reicherts, Elizabeth A'; Jim Massie
Cc: Gray, Morgan
Subject: RE: June 15.

Exxon, Chevron, Conoco, Shell—all CEOs I don't have all the names but Morgan does.

From: Reicherts, Elizabeth A [mailto:Liz.Reicherts@bp.com]
Sent: Monday, June 07, 2010 2:56 PM
To: Goo, Michael; Jim Massie
Subject: RE: June 15.

who else is confirmed coming?

From: Goo, Michael [mailto:Michael.Goo@mail.house.gov]
Sent: Monday, June 07, 2010 2:47 PM
To: Jim Massie
Cc: Reicherts, Elizabeth A
Subject: RE: June 15.

9:30 and room is tbd

From: Jim Massie [mailto:jmassie@alpinegroup.com]
Sent: Monday, June 07, 2010 2:36 PM
To: Goo, Michael
Cc: Reicherts, Elizabeth A
Subject: June 15.

what time and which room on the 15th....

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Monday, June 07, 2010 3:30 PM
To: Goo, Michael
Cc: Jim Massie
Subject: New iBackup

Categories: Yellow Category

Michael: I have down loaded our response letter and supporting documents to an ibackup link with username and password. Let me kow if you have any problems getting into it.

best,
Liz

www.ibackup.com

Username: markey01
Password: energy01

filenames:

2010-06-07 Production.zip
2010-06-07 Response Letter to Markey from Harkavy re sub-surface oil .pdf

Duncan, Jeff

From: Goo, Michael
Sent: Tuesday, June 08, 2010 10:47 AM
To: Jim Massie
Cc: 'Reichert, Elizabeth A'
Subject: FW: Mckay letter flow rate
Attachments: Mckay001.PDF

Categories: Yellow Category

This is the letter from Sunday. Do not confuse it with the similar letter you will be getting a little later asking for archived video feed. --Sorry to be slow in getting you guys a clean copy.

-----Original Message-----

From: eigwdxerox@mail.house.gov [<mailto:eigwdxerox@mail.house.gov>]
Sent: Tuesday, June 08, 2010 12:00 PM
To: Goo, Michael
Subject: Mckay letter flow rate

Please open the attached document. It was scanned and sent to you using a Xerox WorkCentre.

Attachment File Type: PDF

WorkCentre Location: machine location not set
Device Name: Global-Warming

For more information on Xerox products and solutions, please visit <http://www.xerox.com>

Duncan, Jeff

From: Goo, Michael
Sent: Tuesday, June 08, 2010 10:48 AM
To: Dotson, Greg; Barnett, Phil; Beauvais, Joel
Subject: FW: Mckay letter flow rate
Attachments: Mckay001.PDF

Here is a letter we sent on Sunday on flow rate--sorry to be slow in ccing folks--I did this one from home and didn't have a PDF.

Duncan, Jeff

From: Goo, Michael
Sent: Tuesday, June 08, 2010 12:42 PM
To: 'Reicherts, Elizabeth A'
Cc: Jim Massie
Subject: FW: Mckay letter june 8
Attachments: Mckay001.PDF

Categories: Yellow Category

Another letter on flow rate and video.

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Tuesday, June 08, 2010 10:54 PM
To: Goo, Michael
Cc: jmassie@alpinegroup.com
Subject: Re: Hearing on 15th Change of Venue

Categories: Yellow Category

Ok - why the change? And which room? Main cmte room?

From: Goo, Michael <Michael.Goo@mail.house.gov>
To: Reicherts, Elizabeth A
Cc: Jim Massie <jmassie@alpinegroup.com>
Sent: Wed Jun 09 03:10:10 2010
Subject: Hearing on 15th Change of Venue

Hey guys-- I wanted to let you know that Chairman Markey has decided to hold the hearing with Lamar McKay next week in the Energy and Environment Subcommittee of the Energy and Commerce Committee. It will still be the same date, at the same time, with the same witnesses. Let me know if you have any questions - my cell is (703-475-6386). Thanks.

Duncan, Jeff

From: eigwdxerox@mail.house.gov
Sent: Wednesday, June 09, 2010 9:31 PM
To: Goo, Michael; Gray, Morgan
Subject: mckay invite
Attachments: mckay001.PDF

Follow Up Flag: Follow up
Flag Status: Flagged

Please open the attached document. It was scanned and sent to you using a Xerox WorkCentre.

Attachment File Type: PDF

WorkCentre Location: machine location not set Device Name: Global-Warming

For more information on Xerox products and solutions, please visit <http://www.xerox.com>

Duncan, Jeff

From: Gray, Morgan
Sent: Thursday, June 10, 2010 10:55 AM
To: 'Reichert, Elizabeth A'
Cc: Goo, Michael
Subject: Updated Letter
Attachments: Witness info Sheet E&C.PDF; McKay_06.10.10.pdf

Categories: Yellow Category

Hi Liz,

Here is an updated invitation letter that has the room number, hearing title and disclosure information for the Energy and Environment Subcommittee hearing next week. Please let me know if you have any questions. Thanks.

Morgan

Morgan Gray

Select Committee on

Energy Independence and Global Warming

ph. (202) 225-4012

c. (202) 494-1568

globalwarming.house.gov

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Thursday, June 10, 2010 11:50 AM
To: Gray, Morgan
Cc: Goo, Michael
Subject: Re: Updated Letter

Categories: Yellow Category

Ok thanks.

From: Gray, Morgan <Morgan.Gray@mail.house.gov>
To: Reicherts, Elizabeth A
Cc: Goo, Michael <Michael.Goo@mail.house.gov>
Sent: Thu Jun 10 15:55:17 2010
Subject: Updated Letter

Hi Liz,

Here is an updated invitation letter that has the room number, hearing title and disclosure information for the Energy and Environment Subcommittee hearing next week. Please let me know if you have any questions. Thanks.

Morgan

Morgan Gray
Select Committee on
Energy Independence and Global Warming
ph. (202) 225-4012
c. (202) 494-1568
globalwarming.house.gov

Duncan, Jeff

From: Goo, Michael
Sent: Thursday, June 10, 2010 3:29 PM
To: 'Reichert, Elizabeth A'; Jim Massie
Attachments: Scan001.PDF

Categories: Red Category

Here's today's letter. Thanks

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, June 11, 2010 8:59 AM
To: Goo, Michael
Subject: Written Testimony

Categories: Red Category

Michael: Appreciate your giving us extra time for the testimony. Per our agreement, we will get it to you latest by Monday morning early.

Best,
Liz

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Sunday, June 13, 2010 3:31 PM
To: Goo, Michael
Subject: BP America responses to pre-hearing questions
Attachments: H. Lamar McKay BP America responses to House Subcommittee on Energy & Environment Pre-Hearing Questions.pdf

Categories: Red Category

Michael: Please find attached our responses to your pre-hearing questions. I will forward our written testimony first thing in the morning (or tonight if completed) per our previous agreement. Please let me know if you have any questions.

Best,

Liz
<<H. Lamar McKay BP America responses to House Subcommittee on Energy & Environment Pre-Hearing Questions.pdf>>

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Sunday, June 13, 2010 8:27 PM
To: Goo, Michael
Subject: BP America response to June 10, 2010
Attachments: 2010-06-13 Response to 2010-06-10 House E&E (Markey) Letter.pdf

Categories: Red Category

Michael: Another response letter for Chairman Markey. More still to come.
Liz

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Monday, June 14, 2010 8:41 AM
To: Goo, Michael
Subject: Lamar's testimony
Attachments: BP America Lamar McKay US House Subcmte on Energy & Environment Committee.pdf
Categories: Red Category

Will be coming up the formal way to Earley as well.

Best

Liz

<<BP America Lamar McKay US House Subcmte on Energy & Environment Committee.pdf>>

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Joseph, Avenel
Sent: Monday, June 14, 2010 10:52 AM
To: Unruh-Cohen, Ana; Duncan, Jeff; Goo, Michael; Freedhoff, Michal; Gray, Morgan; Steinbuck, Jonah; Baussan, Danielle; Sharp, Jeff
Cc: Burnham-Snyder, Eben; Reilly, Daniel
Subject: Markey-Capps letter to BP.
Attachments: 061410 BP data letter.pdf

Categories: Yellow Category

All,

Attached is the final signed letter to BP. I assume press people will circulate.
Goo-do you want to send it to Massey or would you like me to do it?

Avenel Joseph, M.S., Ph.D.

FASS/AAAS Congressional Fellow
Office of Representative Edward J. Markey (MA-07)
2108 Rayburn House Office Building
Washington, DC 20515
202-225-2836

Duncan, Jeff

From: Goo, Michael
Sent: Monday, June 14, 2010 12:33 PM
To: Gray, Morgan
Subject: FW: Lamar's testimony
Attachments: BP America Lamar McKay US House Subcmte on Energy & Environment Committee.pdf

Categories: Red Category

From: Reicherts, Elizabeth A [<mailto:Liz.Reicherts@bp.com>]
Sent: Monday, June 14, 2010 8:41 AM
To: Goo, Michael
Subject: Lamar's testimony

Will be coming up the formal way to Earley as well.

Best

Liz

<<BP America Lamar McKay US House Subcmte on Energy & Environment Committee.pdf>>

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Monday, June 14, 2010 7:22 PM
To: Goo, Michael
Subject: BP America Letter to Markey in response to June 6
Attachments: BP America Response to June 6 Letter.pdf

Categories: Red Category

and one more...

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Monday, June 14, 2010 7:51 PM
To: Goo, Michael
Cc: Jim Massie
Subject: RE: Just wanted to let you know

Categories: Yellow Category

yes of course - no problem.

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

From: Goo, Michael [<mailto:Michael.Goo@mail.house.gov>]
Sent: Monday, June 14, 2010 7:48 PM
To: Reicherts, Elizabeth A
Cc: Jim Massie
Subject: Just wanted to let you know

Mr. Markey currently plans on swearing all the witnesses.....

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Monday, June 14, 2010 7:52 PM
To: Goo, Michael
Subject: BP America Letter for Markey in response to May 31
Attachments: BP America Response to 2010-05-31 Letter Request.pdf

Categories: Red Category

this is the scanned in letter that came with the video.

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Goo, Michael
Sent: Wednesday, June 16, 2010 12:29 PM
To: Burnham-Snyder, Eben; Sharp, Jeff
Subject: FW: Testimony for Oversight and Investigations Hearing - June 17, 2010
Attachments: Hayward BP testimony for US House Energy & Commerce Subcmte on Oversight & Investigations.com.pdf

Categories: Yellow Category

From: Freedhoff, Michal
Sent: Wednesday, June 16, 2010 12:23 PM
To: Gray, Morgan; Unruh-Cohen, Ana; Goo, Michael
Subject: Fw: Testimony for Oversight and Investigations Hearing - June 17, 2010

Michal Ilana Freedhoff, Ph.D.
Policy Director
Office of Representative Edward J. Markey
2108 Rayburn House Office Building
Washington, DC 20515
202-225-2836

Sent using BlackBerry

From: Neubauer, Ali
To: Skretny, Brian; Abshire, Laura; Amerling, Kristin; Anderson, Kathryn; Baker, Tony; Barnett, Phil; Bayer, Mark; Beard, Binta; Beavin, Shana; Brown, Isaac; Choate, Nick; Clendinen, Monique; Cohen, Lisa; Corcoran, Christine; Davis, John; Davis, Sharon; DeGraff, Kenneth; Delgado, Pat; Devine, Brendan; Dinkel, Matt; Duncan, Jeff; Freedhoff, Michal; Garner, Calvin; Goldman, Zahava; Goodman, Mike; Hurwit, Cathy; Jesaitis, Vince; Leviss, David; Lightfoot, Karen; Lucas, David; Mail, Norah; Mark, Rebecca; Michaud, Megan; Mosshart, Lindsay; Muckle-Jabbar, Angeline; Murtha, Katie; Mail, Norah; Pinkele, Abigail; Robbins, Michael; Rogan, Bob; Savage, Andrew; Schloegel, Scott; Smith, Erika; Stewart, Lee; Trzeciak, Kimberlee; Weinstock, Britt; Benjamin, Tiffany; Cardille, Stacia; Cassady, Alison; Cobbs, Rob; Cohen, Brian; Corcoran, Sean; Franklin, Derrick; Fuchs, Meredith; Gaston, Molly; Golden, Ali; Gwinn, Byron; Horowitz, Art; Leviss, David; Lightfoot, Karen; Neubauer, Ali; Owens, Jennifer; Schloegel, Scott; Smith, Erika; Tindall, Anne
Sent: Wed Jun 16 12:21:22 2010
Subject: Testimony for Oversight and Investigations Hearing - June 17, 2010

Attached is the testimony of Tony Hayward for the Subcommittee on Oversight & Investigations hearing, "The Role of BP in the Deepwater Horizon Explosion and Oil Spill," scheduled for Thursday, June 17, 2010, at 10:00 a.m. in room 2123 Rayburn House Office Building.

For more information, please contact Meredith Fuchs or Molly Gaston with the Committee staff at ext. 6-2424.

Ali Neubauer
Special Assistant
House Energy and Commerce Committee
Subcommittee on Oversight and Investigations
Phone: 202.226.2424 | Fax 202.225.5288

Duncan, Jeff

From: Freedhoff, Michal
Sent: Wednesday, June 16, 2010 1:58 PM
To: Gray, Morgan; Unruh-Cohen, Ana; Goo, Michael
Subject: FW: transcript
Attachments: HIF166030.doc

Categories: Yellow Category

Michal Ilana Freedhoff, Ph.D.
Policy Director
Office of Representative Edward J. Markey (D-MA)
2108 Rayburn House Office Building
Washington, DC 20515
202-225-2836

Sign-up to receive e-updates from Rep. Markey at <http://markey.house.gov/signup>

From: Ketcham-Colwill, Peter
Sent: Wednesday, June 16, 2010 1:19 PM
To: Freedhoff, Michal
Subject: FW: transcript

Here's the right one

From: Green, Earley
Sent: Wednesday, June 16, 2010 1:18 PM
To: Ketcham-Colwill, Peter
Subject: RE: transcript

OOPS – I sent you 6/10 but attached is the one you requested from yesterday's hearing.

From: Ketcham-Colwill, Peter
Sent: Wednesday, June 16, 2010 11:26 AM
To: Green, Earley
Subject: transcript

Hi Earley – thanks again for the witness name cards. Could you let me know when the preliminary transcript for yesterday's E&E hearing is available? Thanks.

Peter

Duncan, Jeff

From: Daniel Reilly [dwreilly@gmail.com]
Sent: Sunday, June 20, 2010 2:23 PM
To: Goo, Michael
Subject: Fwd: FW: Flowrate 6-18-10t.doc
Attachments: Flowrate 6-18-10t.doc; flowrate BP attachment 6&7.pdf

Categories: Yellow Category

----- Forwarded message -----

From: Eben Burnham-Snyder <ebenbs@gmail.com>
Date: Sun, Jun 20, 2010 at 8:12 AM
Subject: Fwd: FW: Flowrate 6-18-10t.doc
To: Ana Unruh <anaunruh@mac.com>, "Unruh-Cohen, Ana" <ana.unruhcohen@mail.house.gov>, "Reilly, Daniel" <daniel.reilly@mail.house.gov>, Daniel Reilly <dwreilly@gmail.com>, Jeff Sharp <jeffsharp8@gmail.com>

For release. Let's have it done so I can send when I get home. Jeff, can we post doc on web?

Make sure to clarify 100k document is in event of worst-case scenario.

----- Forwarded message -----

From: Eben Burnham-Snyder <ebenbs@gmail.com>
Date: Sun, 20 Jun 2010 06:52:51 -0400
Subject: Fwd: FW: Flowrate 6-18-10t.doc
To: Jeff Sharp <jeffsharp8@gmail.com>

----- Forwarded message -----

From: Burnham-Snyder, Eben <Eben.BS@mail.house.gov>
Date: Fri, Jun 18, 2010 at 6:49 PM
Subject: FW: Flowrate 6-18-10t.doc
To: ebenbs@gmail.com

***From:* Unruh-Cohen, Ana
***Sent:* Friday, June 18, 2010 6:47 PM
***To:* Burnham-Snyder, Eben; Sharp, Jeff
***Cc:* Goo, Michael; 'anaunruh@mac.com'
***Subject:* Flowrate 6-18-10t.doc

<<Flowrate 6-18-10t.doc>> <<flowrate BP attachment 6&7.pdf>>

Here's a set up for releasing the two bp flowrate docs and a pdf of the two docs.

I can't make it to EJM's in the morning but will be on call if you have questions for me flowrate or otherwise.

Depending on the time and interference with bedtime, I can try to participate in the evening call.

I'll be available Sunday morning.

Ana

--

Sent from my mobile device

Duncan, Jeff

From: Daniel Reilly [dwreilly@gmail.com]
Sent: Sunday, June 20, 2010 2:23 PM
To: Goo, Michael
Subject: Fwd: FW: Flowrate 6-18-10t.doc
Attachments: Flowrate 6-18-10t.doc; flowrate BP attachment 6&7.pdf

Categories: Yellow Category

----- Forwarded message -----

From: Eben Burnham-Snyder <ebenbs@gmail.com>
Date: Sun, Jun 20, 2010 at 8:12 AM
Subject: Fwd: FW: Flowrate 6-18-10t.doc
To: Ana Unruh <anaunruh@mac.com>, "Unruh-Cohen, Ana" <ana.unruhcohen@mail.house.gov>, "Reilly, Daniel" <daniel.reilly@mail.house.gov>, Daniel Reilly <dwreilly@gmail.com>, Jeff Sharp <jeffsharp8@gmail.com>

For release. Let's have it done so I can send when I get home. Jeff, can we post doc on web?

Make sure to clarify 100k document is in event of worst-case scenario.

----- Forwarded message -----

From: Eben Burnham-Snyder <ebenbs@gmail.com>
Date: Sun, 20 Jun 2010 06:52:51 -0400
Subject: Fwd: FW: Flowrate 6-18-10t.doc
To: Jeff Sharp <jeffsharp8@gmail.com>

----- Forwarded message -----

From: Burnham-Snyder, Eben <Eben.BS@mail.house.gov>
Date: Fri, Jun 18, 2010 at 6:49 PM
Subject: FW: Flowrate 6-18-10t.doc
To: ebenbs@gmail.com

***From:* Unruh-Cohen, Ana
***Sent:* Friday, June 18, 2010 6:47 PM
***To:* Burnham-Snyder, Eben; Sharp, Jeff
***Cc:* Goo, Michael; 'anaunruh@mac.com'
***Subject:* Flowrate 6-18-10t.doc

<<Flowrate 6-18-10t.doc>> <<flowrate BP attachment 6&7.pdf>>

Here's a set up for releasing the two bp flowrate docs and a pdf of the two docs.

I can't make it to EJM's in the morning but will be on call if you have questions for me flowrate or otherwise.

Depending on the time and interference with bedtime, I can try to participate in the evening call.

I'll be available Sunday morning.

Ana

--

Sent from my mobile device

Duncan, Jeff

From: Goo, Michael
Sent: Thursday, June 24, 2010 3:37 PM
To: 'Reicherts, Elizabeth A'
Cc: 'Jim Massie'
Subject: FW: letteroncapincident
Attachments: letteroncapincident001.PDF

Categories: Yellow Category

Another letter--this one on what happened yesterday. It asks for documents by Tuesday from Mr. McKay and from others within a week. Thanks.

Duncan, Jeff

From: Keefe, Jessica L [Jessica.Keefe@wilmerhale.com]
Sent: Friday, June 25, 2010 9:12 PM
To: Goo, Michael
Cc: Nagel, David C; Reicherts, Elizabeth A
Subject: BP America Correspondence
Attachments: BP America Correspondence 2010-06-25.pdf; BP America Response to Rep Markey's 2010-06-18 Letter.pdf

Categories: Red Category

Michael,

On behalf of Dave Nagel and Liz Reicherts, please find attached correspondence from BP America.

Regards,

Jessica L. Keefe | WilmerHale
1875 Pennsylvania Avenue, NW | Washington, DC 20006 USA
202.663.6206 (t) | 202.663.6363 (f) | jessica.keefe@wilmerhale.com

Please consider the environment before printing this email.

This email message and any attachments are being sent by Wilmer Cutler Pickering Hale and Dorr LLP, are confidential, and may be privileged. If you are not the intended recipient, please notify us immediately—by replying to this message or by sending an email to postmaster@wilmerhale.com—and destroy all copies of this message and any attachments. Thank you.

For more information about WilmerHale, please visit us at <http://www.wilmerhale.com>.

Duncan, Jeff

From: Goo, Michael
Sent: Wednesday, June 30, 2010 10:05 AM
To: 'Reicherts, Elizabeth A'; 'Jim Massie'
Subject: Another letter--This one on Hurricane Preparedness
Attachments: Scan001.PDF

Categories: Yellow Category

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Wednesday, June 30, 2010 1:51 PM
To: Goo, Michael; Jim Massie
Subject: RE: Another letter--This one on Hurricane Preparedness

Categories: Yellow Category

ok

From: Goo, Michael [<mailto:Michael.Goo@mail.house.gov>]
Sent: Wednesday, June 30, 2010 10:05 AM
To: Reicherts, Elizabeth A; Jim Massie
Subject: Another letter--This one on Hurricane Preparedness

<< File: Scan001.PDF >>

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, July 02, 2010 4:42 PM
To: Goo, Michael
Cc: Jim Massie; Unruh-Cohen, Ana
Subject: BP response to June 23, 24
Attachments: 2010-07-02 Letter Response to Rep. Markey re relief wells and temporary removal of cap .PDF; 2010-07-02 Letter Response to Rep. Markey re posting of sampling data.PDF

Categories: Red Category

Dear Michael: Please find attached the BP response letter to Chairman Markey's letters of June 23 and 24, 2010. For the supporting documents go to www.ibackup.com:

Username: markey01

Password: energy01

Within the link you will find the following supporting documents:

2010-07-02 CEC (E&E) Production Letter.pdf

2010-07-02 CEC (E&E) Production.zip

In addition, you will find attached our follow up response regarding your June 18 letter with links to the scientific data which is now posted on the BP website.

very best,

Liz

Liz Reicherts

Sr. Director, US Government & International Affairs

BP America Inc.

1101 New York Avenue, NW, Suite 700

Washington, DC 20005

202.457.6585 direct

202.669.9892 cell

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, July 02, 2010 5:39 PM
To: Goo, Michael
Subject: Re: Documents you sent us two pages are complete gibberish

Categories: Red Category

Huh? That were downloaded form ibackup?

From: Goo, Michael <Michael.Goo@mail.house.gov>
To: Reicherts, Elizabeth A; Jim Massie <jmassie@alpinegroup.com>
Cc: Unruh-Cohen, Ana <Ana.UnruhCohen@mail.house.gov>
Sent: Fri Jul 02 22:26:55 2010
Subject: Documents you sent us two pages are complete gibberish

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, July 02, 2010 5:39 PM
To: Goo, Michael
Subject: Re: Documents you sent us two pages are complete gibberish

Categories: Red Category

Huh? That were downloaded form ibackup?

From: Goo, Michael <Michael.Goo@mail.house.gov>
To: Reicherts, Elizabeth A; Jim Massie <jmassie@alpinegroup.com>
Cc: Unruh-Cohen, Ana <Ana.UnruhCohen@mail.house.gov>
Sent: Fri Jul 02 22:26:55 2010
Subject: Documents you sent us two pages are complete gibberish

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, July 02, 2010 9:57 PM
To: Unruh-Cohen, Ana; Goo, Michael; jmassie@alpinegroup.com
Subject: Re: Refusal to provide docs

Categories: Red Category

Sorry guys. I've asked the lawyers to check and fix. Should be able to fix tonight. I'll get you an update once completed again.

From: Unruh-Cohen, Ana <Ana.UnruhCohen@mail.house.gov>
To: Goo, Michael <Michael.Goo@mail.house.gov>; Reicherts, Elizabeth A; jmassie@alpinegroup.com <jmassie@alpinegroup.com>
Sent: Sat Jul 03 00:08:40 2010
Subject: Re: Refusal to provide docs

Yes downloaded from ibackup. I think I spotted some other gibberish ones. I will review and let you know. Ana

Ana Unruh Cohen, Ph.D.
Select Committee on Energy Independence
& Global Warming

From: Goo, Michael
To: 'Liz.Reicherts@bp.com' <Liz.Reicherts@bp.com>; 'jmassie@alpinegroup.com' <jmassie@alpinegroup.com>
Cc: Unruh-Cohen, Ana
Sent: Fri Jul 02 18:57:52 2010
Subject: Refusal to provide docs

Liz and Jim. I also want to mention that it looks to me like you are refusing to provide documents to us that are in the files of Hayward, Wells, McKay Suttles and Dudley relating to collection systems. I want you to know that refusal will not be acceptable to Chairman Markey. I see no real reason why your attorneys cannot copy and review these files. I would ask that you get in touch with Ana as soon as possible and discuss this with her and when and how you can provide these documents.

Sent using BlackBerry

From: Reicherts, Elizabeth A <Liz.Reicherts@bp.com>
To: Goo, Michael
Sent: Fri Jul 02 17:39:05 2010
Subject: Re: Documents you sent us two pages are complete gibberish

Huh? That were downloaded form ibackup?

From: Goo, Michael <Michael.Goo@mail.house.gov>
To: Reicherts, Elizabeth A; Jim Massie <jmassie@alpinegroup.com>
Cc: Unruh-Cohen, Ana <Ana.UnruhCohen@mail.house.gov>
Sent: Fri Jul 02 22:26:55 2010
Subject: Documents you sent us two pages are complete gibberish

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Monday, July 12, 2010 11:07 AM
To: Unruh-Cohen, Ana; jmassie@alpinegroup.com; Bailey, Kevin
Cc: Goo, Michael
Subject: Re: Letter from Chairman Markey

Categories: Red Category

Ana - Confirming receipt of the new letter. Liz

From: Unruh-Cohen, Ana <Ana.UnruhCohen@mail.house.gov>
To: Unruh-Cohen, Ana <Ana.UnruhCohen@mail.house.gov>; Reicherts, Elizabeth A; jmassie@alpinegroup.com <jmassie@alpinegroup.com>; Bailey, Kevin
Cc: Goo, Michael <Michael.Goo@mail.house.gov>
Sent: Mon Jul 12 15:51:04 2010
Subject: RE: Letter from Chairman Markey

Just making sure that you all received the letter that I sent on Thursday.

Thanks, Ana

From: Unruh-Cohen, Ana
Sent: Thursday, July 08, 2010 12:42 PM
To: 'Liz.Reicherts@bp.com'; 'jmassie@alpinegroup.com'; 'Bailey, Kevin'
Cc: Goo, Michael
Subject: Letter from Chairman Markey

Kevin and Liz – attached is letter to Lamar McKay that arises in part from your response to our relief well questions and from further examination of the exploration plans and regional response plans.

Please let me know if you have questions.

Thanks, Ana

<< File: 070810 BP letter_relief well.pdf >>

Ana Unruh Cohen, Ph.D.

Deputy Staff Director

Select Committee on Energy Independence

& Global Warming

B243 Longworth House Office Building

Washington, DC 20515

(202) 225-4012

ana.unruhcohen@mail.house.gov

Duncan, Jeff

From: Goo, Michael
Sent: Tuesday, July 13, 2010 5:41 PM
To: 'Reicherts, Elizabeth A'; Unruh-Cohen, Ana; Freedhoff, Michal
Cc: 'Jim Massie'; 'Kevin.Bailey2@bp.com'
Subject: FW: wellintegrityfollowup
Attachments: wellintegrityfollowup001.PDF

Categories: Yellow Category

Here is another letter. This letter is following up on previous questions.

Duncan, Jeff

From: eigwdxerox@mail.house.gov
Sent: Wednesday, July 14, 2010 8:20 PM
To: Goo, Michael
Subject: lamarmckayletterjuly 14

Categories: Yellow Category

This message has been archived. View the original item

Please open the attached document. It was scanned and sent to you using a Xerox WorkCentre.

Attachment File Type: PDF

WorkCentre Location: machine location not set
Device Name: Global-Warming

For more information on Xerox products and solutions, please visit <http://www.xerox.com>

Attachments:

[lamarmckayletterjuly001.PDF](#)

(50 KB)

Duncan, Jeff

From: Goo, Michael
Sent: Wednesday, July 14, 2010 7:06 PM
To: Duncan, Jeff; Unruh-Cohen, Ana; Burnham-Snyder, Eben; Freedhoff, Michal; Beauvais, Joel
Subject: FW: lamarmckayletterjuly 14
Attachments: lamarmckayletterjuly001.PDF; Mckayjuly14flowrate_auc (jd).doc

Here is today's letter to BP on 100% flow rate test. I will send to BP now and we can do a release in the a.m. I will also forward in word to Dotson saying we are sending out such a letter.

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Wednesday, July 14, 2010 7:13 PM
To: Goo, Michael; Jim Massie
Subject: RE: Letter to Lamar Mckay July 14.

Categories: Yellow Category

Thanks... :)

-----Original Message-----

From: Goo, Michael [<mailto:Michael.Goo@mail.house.gov>]
Sent: Wednesday, July 14, 2010 7:09 PM
To: Reicherts, Elizabeth A; Jim Massie
Subject: Letter to Lamar Mckay July 14.

Here is another letter, this one seeks information about the collection capabilities and plans.

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Thursday, July 15, 2010 1:19 PM
To: Goo, Michael; Unruh-Cohen, Ana
Subject: BP Response to May 21 letter
Attachments: 2010-07-14 Response to 2010-05-21 House CEC (E and E) Request.pdf

Categories: Red Category

Please find attached a BP response to Chairman Markey's May 21 letter.
best,
Liz

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Thursday, July 15, 2010 8:24 PM
To: Goo, Michael
Subject: BP Response letter
Attachments: BP Response to July 13 Letter.pdf

Categories: Red Category

Michael: Per our discussion, I will send the discs up tomorrow morning.
best,
Liz

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, July 16, 2010 10:29 AM
To: Goo, Michael
Cc: Unruh-Cohen, Ana
Subject: RE: delivery

Categories: Yellow Category

ok - and have another response letter that will be coming to you later today as well. I will continue to work very hard to be responsive and cooperative with you and the committee.

From: Goo, Michael [mailto:Michael.Goo@mail.house.gov]
Sent: Friday, July 16, 2010 10:16 AM
To: Reicherts, Elizabeth A
Cc: Unruh-Cohen, Ana
Subject: RE: delivery

B243 longworth—whoever is here—or call 202-225-4012 and say it's a delivery for me or ana

From: Reicherts, Elizabeth A [mailto:Liz.Reicherts@bp.com]
Sent: Friday, July 16, 2010 10:15 AM
To: Goo, Michael
Subject: delivery

Do you want the CD's to be delivered to you or Ana? Which room?

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, July 16, 2010 4:56 PM
To: Goo, Michael; Unruh-Cohen, Ana
Subject: BP response letter
Attachments: 2010-07-16 Response to 2010-07-14 Rep Markey Request.pdf

Categories: Red Category

Michael and Ana: BP response letter attached to the July 14 letter.

best,
Liz

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Miller, Brian W [Brian.Miller3@bp.com]
Sent: Tuesday, July 20, 2010 7:57 PM
Cc: Calvert, Chad
Subject: BP Information Update: July 20
Attachments: Gulf of Mexico Oil Spill Response Update 7-20-10.doc

Categories: Red Category

Below please find an information update on the Gulf of Mexico incident.

Let us know if you have any questions.

Thank you,
Brian Miller

BP's Washington, DC Office

NOTE: if you would like to be removed from this distribution list, please respond accordingly.

CLAIMS	
State	\$ Disbursed
TX	\$5,209,065
LA	\$106,273,342
MS	\$19,939,267
AL	\$43,305,907
FL	\$39,741,566
GA	\$1,609,504
Other	\$4,222,838
Total	\$220,301,489

**Gulf of Mexico Oil Spill
- Daily Dashboard**

Period: 7/19/10 6AM - 7

Produced BP's Washington
Sources: BP and National Incident Command System

Topline:

- Well remains shut
- Preparing to run a
- \$220 million paid
- BP announces ag

SURFACE / SUBSEA OPERATIONS		
Activity	Prior 24hrs	Total
Oily water mixture recovered via skimming (bbls)	3,113	824,264
Aerial & Vessel dispersants applied (gals)	200	1,072,514
Subsea dispersants applied (gals)	0	771,272
In-situ Burns	2	411
In-situ Burn (bbls burned)	TBD	265,360
Helix Producer Oil recovered (bbls)	0	547,654
Helix Producer+Q4000 Gas flared (mmscf)	0	1,688.8
Q4000 Oil recovered (bbls)	0	207,524

	LA	MS
Vessel of Opportunity	951	46
Barges	323	6
Other Vessels	415	41
Skimmers (Off-Near shore, Shallow Water)	-	-
Fleeting Wing Aircraft	-	-
Helicopters	-	-
Total:	1,689	93

BOOM (feet)					
	LA	MS	AL	FL	Total
Boom Deployed or Assigned	2,269,236	459,450	619,800	481,000	3,829,486
Boom Staged	274,830	95,800	296,400	148,150	815,180
Ordered	-	-	-	-	265,468

MIS	
Wildlife Impacts	
Personnel	

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Wednesday, July 21, 2010 6:52 PM
To: Goo, Michael; Unruh-Cohen, Ana
Cc: Jim Massie
Subject: BP response to Chairman Markey's June 30 letter
Attachments: BP America Response to June 30, 2010 Correspondence.pdf

Categories: Red Category

Michael and Ana: Please find attached BP's response to Chairman Markey's June 30 letter. best, Liz

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Miller, Brian W [Brian.Miller3@bp.com]
Sent: Wednesday, July 21, 2010 10:31 PM
Cc: Calvert, Chad
Subject: BP Update on Gulf of Mexico Spill: July 21st
Attachments: Gulf of Mexico Oil Spill Response Update 7-21-10.doc

Categories: Red Category

Below please find the daily information update from BP on the Gulf of Mexico incident.

Please let us know if you have questions.

Thank you,

Brian Miller

<<Gulf of Mexico Oil Spill Response Update 7-21-10.doc>>

NOTE: If you would like to be removed from this distribution list, please respond accordingly.

CLAIMS	
State	\$ Disbursed
TX	\$5,209,065
LA	\$106,273,342
MS	\$19,939,267
AL	\$43,305,907
FL	\$39,741,566
GA	\$1,609,504
Other	\$4,222,838
Total	\$220,301,489

**Gulf of Mexico II
- Daily Dashboard**
Period: 7/19/10 6AM - 7
Produced BP's Washington
Sources: BP and National Incident

Topline:

- Well remains shut
- Preparing to run a
- \$220 million paid c
- BP announces agi

SURFACE / SUBSEA OPERATIONS		
Activity	Prior 24hrs	Total
Oily water mixture recovered via skimming (bbls)	3,113	824,264
Aerial & Vessel dispersants applied (gals)	200	1,072,514
Subsea dispersants applied (gals)	0	771,272
In-situ Burns	2	411
In-situ Burn (bbls burned)	TBD	265,350
Helix Producer Oil recovered (bbls)	0	547,654
Helix Producer+Q4000 Gas flared (mmscf)	0	1,688.8
Q4000 Oil recovered (bbls)	0	207,524

	LA	MS
Vessel of Opportunity	951	46
Barges	323	6
Other Vessels	415	41
Skimmers (Off-Near shore, Shallow Water)	-	-
Fixed Wing Aircraft	-	-
Helicopters	-	-
Total:	1,689	93

BOOM (feet)					
	LA	MS	AL	FL	Total
Boom Deployed or Assigned	2,269,236	459,450	619,800	481,000	3,829,486
Boom Staged	274,830	95,800	296,400	148,150	815,180
Ordered	-	-	-	-	265,468

MIS	
Wildlife Impacts	
Personnel	

Duncan, Jeff

From: Miller, Brian W [Brian.Miller3@bp.com]
Sent: Thursday, July 22, 2010 10:35 PM
Subject: BP Gulf of Mexico Update: July 22nd
Attachments: Gulf of Mexico Oil Spill Response Update 7-22-10 (2).doc; Microsoft Office Word Document
Categories: Red Category

Below please find the daily information update from BP on the Gulf of Mexico incident.

Please let us know if you have questions.

Thank you,

Brian Miller

<<Gulf of Mexico Oil Spill Response Update 7-22-10 (2).doc>>

NOTE: If you would like to be removed from this distribution list, please respond accordingly.

CLAIMS	
State	\$ Disbursed
TX	\$5,209,065
LA	\$106,273,342
MS	\$19,939,267
AL	\$43,305,907
FL	\$39,741,566
GA	\$1,609,504
Other	\$4,222,838
Total	\$220,301,489

Gulf of Mexico II
- Daily Dashboard
Period: 7/19/10 6AM - 7
Produced BP's Washington
Sources: BP and National Inco

Topline:

- Well remains shut
- Preparing to run a
- \$220 million paid c
- BP announces agi

SURFACE / SUBSEA OPERATIONS		
Activity	Prior 24hrs	Total
Oily water mixture recovered via skimming (bbls)	3,113	824,264
Aerial & Vessel dispersants applied (gals)	200	1,072,514
Subsea dispersants applied (gals)	0	771,272
In-situ Burns	2	411
In-situ Burn (bbls burned)	TBD	265,350
Helix Producer Oil recovered (bbls)	0	547,654
Helix Producer+Q4000 Gas flared (mmscf)	0	1,608.8
Q4000 Oil recovered (bbls)	0	207,524

	LA	MS
Vessel of Opportunity	951	46
Barges	323	6
Other Vessels	415	41
Skimmers (Off-Near shore, Shallow Water)	-	-
Fixed Wing Aircraft	-	-
Helicopters	-	-
Total:	1,689	93

BOOM (feet)					
	LA	MS	AL	FL	Total
Boom Deployed or Assigned	2,269,236	459,450	619,800	481,000	3,829,486
Boom Staged	274,830	95,800	296,400	148,150	815,180
Ordered	-	-	-	-	265,468

MIS	
Wildlife Impacts	
Personnel	

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, July 23, 2010 9:22 PM
To: Harrison, Randolph; Goo, Michael
Subject: BP response to Representatives Capps and Markey
Attachments: 2010-07-23 Response to 2001-06-14 Markey.Capps Letter.PDF; BP-HZN-CEC079795.pdf

Categories: Red Category

Randolph and Michael: Please find the BP response to Chairman Markey and Representative Capps letter with corresponding document.

regards,
Liz

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, July 23, 2010 9:26 PM
To: Goo, Michael
Subject: BP 7-21 Letter to Waxman and Stupak
Attachments: 2010-07-21 Letter to Chairman Waxman and Chairman Stupak .pdf

Categories: Red Category

Michael: Please find attached a courtesy copy of a letter to Chairman Waxman and Chairman Stupak.
best,
Liz

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, July 23, 2010 10:06 PM
To: earley.green@mail.house.com; Goo, Michael
Subject: 2010-07-23 Response to 2010-06-20 House CEC (E&E) DeGette QFRs
Attachments: 2010-07-23 Response to 2010-06-30 House CEC (E&E) DeGette QFRs.PDF

Categories: Red Category

Please find attached BP response to the QFR's.

thanks,

Liz

*Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell*

Duncan, Jeff

From: Goo, Michael
Sent: Monday, July 26, 2010 4:29 PM
To: 'Reicherts, Elizabeth A'
Cc: 'Jim Massie'
Subject: FW: Scan from a Xerox WorkCentre
Attachments: Scan001.PDF

Categories: Yellow Category

Sorry--please use this version instead of the one I just sent you. Thanks.

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Monday, July 26, 2010 4:42 PM
To: Goo, Michael
Cc: Jim Massie
Subject: RE: Scan from a Xerox WorkCentre

Categories: Yellow Category

Well ok.

-----Original Message-----

From: Goo, Michael [<mailto:Michael.Goo@mail.house.gov>]
Sent: Monday, July 26, 2010 4:29 PM
To: Reicherts, Elizabeth A
Cc: Jim Massie
Subject: FW: Scan from a Xerox WorkCentre

Sorry--please use this version instead of the one I just sent you.
Thanks.

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Wednesday, August 11, 2010 3:49 PM
To: Goo, Michael
Subject: Re: Request for Bob Dudley

Categories: Yellow Category

This message has been archived. [View the original item](#)

Michael: As you can imagine that will be a key time of critical transition with GCRO to Lamar and between Bob and Tony. You know that I have truly worked very hard to be extremely cooperative and would respectfully ask that you understand on this one. Particularly given how critical it will be that Bob be able to focus on the transition to his new role and our organization. Thanks, Liz

From: Goo, Michael <Michael.Goo@mail.house.gov>
To: Reicherts, Elizabeth A
Sent: Wed Aug 11 20:29:44 2010
Subject: Request for Bob Dudley

Hey Liz—sorry to be a pest but I wanted to let you know we would like to invite Mr. Dudley to testify at a hearing before Chairman Markey on September 15. Can you check on his availability on that date? Thanks and hope you are doing well

Duncan, Jeff

From: Goo, Michael
Sent: Tuesday, August 17, 2010 3:29 PM
To: 'Reichert, Elizabeth A'; 'Jim Massie'
Subject: FW: mckayscienceaugust
Attachments: mckayscienceaugust001.PDF; 2010-07-14 Response to 2010-05-21 House CEC (E and E) Request.pdf

Categories: Red Category

Another letter from Congressman Markey. Let me know if you have questions about it. I've included the previous BP letter so you won't have to dig for it. Take care.

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Thursday, August 19, 2010 8:04 PM
To: Goo, Michael
Cc: jmassie@alpinegroup.com
Subject: BP response letter to Transocean

Categories: Red Category

This message has been archived. View the original item

<<2010-08-19 Neath Response Ltr to Roberts (TO).pdf>>

Dear Michael:

You will have received a copy of a letter from Transocean to BP containing many false and misleading assertions about BP's cooperation in the investigation. Please find attached a response from BP to Transocean addressing those false accusations. In addition, I want to reiterate BP's commitment to transparency and reiterate our promise to share the results of our non-privileged investigation into the causes of the tragedy. In our letter we ask that Transocean commit to doing the same.

Best, Liz

Liz Reicherts
Sr. Director, US Government & International Affairs
BP America Inc.
1101 New York Avenue, NW, Suite 700
Washington, DC 20005
202.457.6585 direct
202.669.9892 cell

Attachments:

[2010-08-19 Neath Response Ltr to Roberts \(TO\).pdf](#)

(176 KB)

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Tuesday, August 24, 2010 2:32 PM
To: Goo, Michael
Subject: BPA Response to 2010-08-11 Rep. Markey Letter
Attachments: 2010-08-24 Response to 2010-08-11 Rep. Markey Letter.PDF

Categories: Red Category

Michael: Please find attached the BP America response to Chairman Markey's letter of August 8, 2010.
Best,
Liz

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Saturday, September 04, 2010 10:23 AM
To: Goo, Michael
Subject: Dudley letter to Chairman Markey
Attachments: Document.pdf

Importance: High

Categories: Red Category

Michael: Please find attached Bob Dudley's letter for Chairman Markey. Let's talk on Tuesday. Best, Liz

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Wednesday, September 08, 2010 7:10 AM
To: Goo, Michael
Cc: jmassie@alpinegroup.com
Subject: BP releases investigation report

Categories: Red Category

Michael:

BP has released this morning our independent, non-privileged investigation report. Let me know when you are in the office and I will send up hard copies. In addition, the link to download and watch the video is on www.bp.com. Further context is below:

Immediately following the tragic accident involving the *Deepwater Horizon* on April 20, 2010, BP Exploration & Production Inc. commissioned an independent, non-privileged investigation into the accident. From the beginning, we have made clear that we would share the results of this investigation widely so that everyone could learn from this incident. I am writing to let you know that, consistent with that commitment, today BP has released the full investigation report publicly. The report and its appendices are available at www.bp.com along with an accompanying video.

The four-month investigation was led by Mark Bly, BP Group Head of Safety and Operations. It was conducted independent of BP's Gulf of Mexico business and carried out by a team of more than 50 specialists across a variety of fields and from both inside and outside the company.

The report concludes that no single factor caused the tragedy and that decisions made by multiple companies and work teams contributed to the accident, which the report says was the culmination of "a complex and interlinked series of mechanical failures, human judgments, engineering design, operational implementation and team interfaces."

The report's key findings on the cause of the accident are:

- The cement and shoe track barriers – and in particular the cement slurry that was used – at the bottom of the Macondo well failed to contain hydrocarbons within the reservoir, as they were designed to do, and allowed gas and liquids to flow up the production casing;
- The results of the negative pressure test were incorrectly accepted by BP and Transocean, although well integrity had not been established;
- Over a 40-minute period, the Transocean rig crew failed to recognize and act on the influx of hydrocarbons into the well until the hydrocarbons were in the riser and rapidly flowing to the surface;
- After the well-flow reached the rig it was routed to a mud-gas separator, causing gas to be vented directly on to the rig rather than being diverted overboard;
- The flow of gas into the engine rooms through the ventilation system created a potential for ignition which the rig's fire and gas system did not prevent;

- Even after explosion and fire had disabled its crew-operated controls, the rig's blow-out preventer on the sea-bed should have activated automatically to seal the well. But it failed to operate, probably because critical components were not working.

BP has accepted all the report's recommendations and is currently examining how best to implement them across our operations worldwide. We are committed to learning from this tragedy, making all necessary improvements, and working with industry so that everyone can benefit from what the investigation team found.

Liz Reicherts
Senior Director, US Government & International Affairs
BP America
1101 New York Avenue, Suite 700
Washington, DC 20005
202.456.6585 direct
202.669.9892 cell

Duncan, Jeff

From: Reicherts, Elizabeth A [Liz.Reicherts@bp.com]
Sent: Friday, September 17, 2010 7:06 PM
To: Goo, Michael
Cc: Spencer, Peter; Beckerman, Michael; Fuchs, Meredith
Subject: BP letter to Congressman Markey
Attachments: 2010-09-17 BP Response to 2010-08-17 Markey Letter.PDF

Categories: Red Category

Michael: Please find attached our BP response to Chairman Markey's letter asking for information on the Gulf of Mexico Research Initiative (GRI). Let me know if you have any questions.

Best,
Liz

WILMERHALE

September 17, 2010

BY ELECTRONIC DELIVERY

Kenneth R. Meade

+1 202 663 6196(t)

+1 202 663 6363(f)

kenneth.meade@wilmerhale.com

Honorable Edward J. Markey
Subcommittee on Energy and Environment
Committee on Energy and Commerce
United States House of Representatives
2125 Rayburn House Office Building
Washington, D.C. 20515-6115

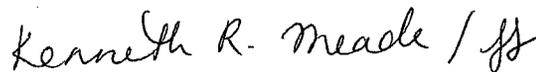
Re: Response to Chairman Markey's Correspondence, Dated August 17, 2010, to Mr. Lamar McKay, President and CEO of BP America, Inc.

Dear Chairman Markey:

I am writing on behalf of BP America, Inc. ("BPA") in response to your August 17, 2010 letter to Mr. Lamar McKay requesting further information on the Gulf of Mexico Research Initiative ("GRI"). As part of BPA's commitment to provide responsive information in a timely manner, BPA is providing the following responses to your questions. The GRI is currently under development, and therefore it would be premature to provide detailed responses to certain questions.

If you have any questions, please feel free to contact me directly or Liz Reicherts at (202) 457-6585.

Sincerely,



Kenneth R. Meade

cc: Honorable Henry Waxman, Chairman, Committee on Energy and Commerce
Honorable Joe Barton, Ranking Member, Committee on Energy and Commerce
Honorable Fred Upton, Ranking Member, Subcommittee on Energy and Environment

RESPONSE TO CHAIRMAN MARKEY'S CORRESPONDENCE, DATED AUGUST 17, 2010, TO MR. LAMAR MCKAY, PRESIDENT AND CEO OF BP AMERICA, INC.

SEPTEMBER 17, 2010 ANSWER SET

1. On June 15, 2010, BP announced the creation of an independent Advisory Council for the Gulf [of Mexico] Research Initiative (GRI) that would oversee the peer review process for proposals submitted in response to a Request for Proposals. How were members selected? How will their independence from BP be ensured? How will conflict-of-interest between the Advisory Council members and institutions applying for grants be prevented?

The members of the Advisory Council announced on June 15, 2010 were selected because of their deep understanding of the relevant technical content and for their experience with research management of a program the magnitude of the GRI. An additional criterion was avoidance of potential conflict of interest, and, therefore, scientists likely to be interested in participating in proposals for GRI funding were not included.

The Advisory Council governance is independent of BP. To ensure the independence of the Council, BP will transfer funds needed for the activities of the Advisory Council to an independent entity. The independent entity will handle all contract and financial transactions with the Advisory Council.

Although the GRI is still under development, BP is committed to ensuring that Advisory Council members adhere to the principles of the National Science Foundation's standards for conflicts of interest.

2. Once the Advisory Council has reached a decision on awards, how will institutions ensure that they receive the money from BP over the course of the award?

BP will transfer research funds to an independent third party responsible for GRI administration. The independent administration facility will handle all contract and financial transactions with the institutions selected for GRI funding. The institutions will communicate directly with the third-party administrator on all management and financial issues.

3. BP has stated that it will issue a Request for Proposals (RFP) for institutions wishing to develop proposals for the GRI fund. Who developed the RFP, BP or the Advisory Council? Has it been finalized? When will it be released? Will the RFP proposals be made public? Will the Advisory Council's deliberations ultimately be made public? BP's original May 24 announcement did not discuss public health research. Will the RFP be expanded to cover this issue?

The Request for Proposals (RFP) is currently under development. On June 16, 2010, the White House asked BP to work with Gulf State representatives to address concerns voiced by those representatives. BP and the Advisory Council had already jointly developed an RFP prior

to this request (BP's June 15, 2010 press release referred to it), but that RFP was set aside to enable BP to consult with Gulf State governors and state and local environmental and health authorities. BP expects to modify the previously-drafted RFP to reflect input from those discussions, and it will be released as soon as it is available.

Once released, the RFP will be available on BP's website and on other pertinent sites as appropriate. The RFP will describe the proposal evaluation criteria. Regarding the confidentiality of applicants' proposals, the GRI program will adhere to the principles of the National Science Foundation, which include treating submitted proposals as confidential to protect the intellectual property of the authors. The Advisory Council's decisions concerning the proposals selected for funding will be publicly available, including the titles, principle investigators, institutions and descriptions of the proposals that are selected for funding.

The public health impact of the oil spill is and will continue to be one of the primary research themes to be covered by the GRI. On September 7, 2010, BP announced that it will provide \$10 million to the National Institutes of Health (NIH) under the GRI to support public health research. The funding will allow NIH to build on efforts by the Centers for Disease Control and Prevention and the Unified Command. The funds are intended to support the immediate needs of researchers, including Gulf Coast academic institutions and local and state agencies, in understanding potential acute and long-term health impacts of exposures to oil, dispersed oil and dispersants. Decisions regarding the distribution of the \$10 million will be made by NIH with input from Gulf state academic institutions and state and local officials to ensure effective coordination with ongoing projects.

4. As condition of the awards, both for the fast-track money and RFP proposals, what conditions are required of the institutions? Will there be a requirement to ensure that the data and results developed from these grants are made public? Will progress reports for any multi-year grants awarded be required?

Funding for the fast-track grants is conditioned on four key terms intended to ensure the integrity and independence of the research. First, the funds must be spent on the immediate research needs for monitoring and characterizing the Gulf of Mexico ecosystem in the context of the oil release, with the majority of the funds committed by the end of 2010. Second, prior to commencement, project proposals must be peer-reviewed and approved by appropriate experts. Third, the resulting data, measurements and findings must be made publicly available as quickly as practicable. Finally, reports and papers must be peer-reviewed by independent experts. There is no requirement that BP pre-approve the scientists' publications.

Since the inception of the GRI, one of the program's core features has been that the data and findings collected pursuant to GRI funds will be shared openly and publicly. Scientists and university professors who receive research grants from the GRI are expected to publish their research and make it available to all who share an interest in these topics. The fast-track grants also included a provision that the resulting data, measurement information and findings must be made fully and openly available as quickly as practicable in accordance with the standard practice applicable to the particular research field of the grantee.

As the RFP process is still being designed, it would be premature to provide details regarding conditions and progress reports for multi-year grants.

5. Recent media accounts have suggested that BP is hiring scientists to help with their legal defense. Will these scientists be eligible for GRI funds? If so, how will their GRI-funded research be kept separate from the legal work for BP? Will their contract with BP for legal work hinder the release of their GRI-funded research?

BP, like many companies, and federal and state agencies, has relationships with external scientists that cover a range of activities. These activities fall into three broad areas: the funding of independent scientific research, such as the GRI; litigation experts; and a variety of consulting and contractual relationships. BP's scientific activity in response to the *Deepwater Horizon* incident covers the full spectrum of these relationships. All these scientists will be eligible for GRI funds. The only ineligible scientists are the current members of the Advisory Council.

All findings and data collected pursuant to the GRI will be publicly available. Accordingly, the information may be used in a variety of projects.

Where an expert is hired to assist BP's legal counsel in evaluating legal claims ("litigation expert"), it is standard practice to ask such a litigation expert to maintain the confidentiality of communications with legal counsel. This practice will not hinder a GRI scientist's ability to release GRI data. To the extent that an individual scientist is retained as an expert to assist BP's legal counsel, if that scientist is also undertaking GRI-funded research, he or she will have to comply with the same conditions as other grant recipients. As noted above, BP is committed to ensuring that any data collected pursuant to the GRI and any findings based on that data are made publicly available.

6. BP consultation with governors and state and local environmental and health authorities was first announced after the June 16th meeting of senior BP officials at the White House. What transpired during this meeting leading to this consultation process which appears to have slowed progress on the release of the RFP and awards from the GRI?

BP learned in the June 16, 2010 White House meeting that the Gulf States had contacted the Administration with concerns that the GRI proposal might not have incorporated specific concerns directly applicable to the Gulf of Mexico. BP agreed to undertake a consultation process with the Gulf States to address these concerns. With respect to timing, BP immediately contacted all five Gulf State Governors regarding their designated representatives, set up in-person meetings in all five states, and held a series of follow-up meetings and discussions to ensure that the appropriate interests were being represented. While this consultation process has resulted in a longer process leading to release of the RFP, BP now believes that it better understands the program interests of the Gulf States. Once these discussions are completed, the RFP will issue, reflecting these program interests.

Duncan, Jeff

From: Unruh-Cohen, Ana
Sent: Monday, June 11, 2012 11:33 PM
To: Duncan, Jeff
Subject: bp flowrate response
Attachments: 2010-06-13 Response to 2010-06-10 House EE (Markey) Letter.pdf; BP-HZN-CEC020095 (2).pdf; BP-HZN-CEC020103 (2).pdf; BP-HZN-CEC020107 (2).pdf; Document.pdf

Jeff – here is all the documents that went along with ejm’s flowrate letter

Ana Unruh Cohen, Ph.D.
Deputy Staff Director
Democratic Staff
Committee on Natural Resources
(202) 225-6065

Duncan, Jeff

From: Freedhoff, Michal
Sent: Tuesday, June 12, 2012 4:30 PM
To: Duncan, Jeff; Burnham-Snyder, Eben; Gray, Morgan
Subject: FW: Markey: BP Burying Heads in Sand on Underwater Plumes, Oil Flow

Categories: Red Category

And here is a PR that in turn links to the outgoing letter

Michal Ilana Freedhoff, Ph.D.
Policy Director
Office of Congressman Edward J. Markey (D-MA)
2108 Rayburn House Office Building
Washington, DC 20515
202-225-2836

From: Eben Burnham-Snyder [mailto:ebenbs@gmail.com]
Sent: Sunday, May 16, 2010 2:09 PM
To: Jeff Duncan; Duncan, Jeff; Goo, Michael; Unruh-Cohen, Ana; Sharp, Jeff; Jeff Sharp; Reilly, Daniel; Gray, Morgan; Gray, Morgan; Eben Burnham-Snyder; Burnham-Snyder, Eben; Chenault, Jacqueline; Susan Blumenthal; Markey, Ed; Freedhoff, Michal; Joseph, Avenel; Steinbuck, Jonah; Baussan, Danielle
Subject: Fwd: Markey: BP Burying Heads in Sand on Underwater Plumes, Oil Flow

Just went out to reporters.

----- Forwarded message -----

From: Eben Burnham-Snyder <ebenbs@gmail.com>
Date: Sun, May 16, 2010 at 2:08 PM
Subject: Markey: BP Burying Heads in Sand on Underwater Plumes, Oil Flow
To:

FOR IMMEDIATE RELEASE

Contact: Eben Burnham-Snyder, Chairman Ed Markey, 202-225-4012, 202-494-4486 cell

Markey: BP Burying Heads in Sand on Underwater Plumes, Oil Flow

BP Refuses to Provide Information on Size of Flow to Chairman Markey; Resists Help From Scientists; Markey Calls for Release of More Video to Aid Independent Analysis

WASHINGTON (May 16, 2010) -- Even as independent scientific reports surface on the presence of giant underwater plumes of oil emanating from BP's sunken, damaged oil pipe, the oil company continued to reject the involvement of outside scientists to assist in the assessment of the size of the leak. The refusal comes as BP attempts for a third time to siphon oil from the leaking pipe on the sea floor.

BP also failed today to provide any useful information to Rep. Ed Markey (D-Mass.) who queried the company on Friday about its estimates on the rate of the flow and its continued refusal to engage with independent scientists, giving a 24 hour deadline for a response. A BP spokesman was quoted today in the New York Times

as saying, "We're not going to take any extra efforts now to calculate flow there at this point."

"BP is burying its head in the sand on these underwater threats. These huge plumes of oil are like hidden mushroom clouds that indicate a larger spill than originally thought and portend more dangerous long-term fallout for the Gulf of Mexico's wildlife and economy," said Rep. Markey, chair of the Subcommittee on Energy and the Environment in the Energy and Commerce Committee. "We must bring this spill to an end and prepare for additional impacts from oil yet unseen."

Following an empty response from BP today to Rep. Markey's Friday query, which asked for documents and explanations related to the estimate of a 5,000 barrel per day flow from the leak, Rep. Markey called on BP to immediately release additional video to help scientists remotely begin a more robust independent analysis. Late last week, staff from Rep. Markey's office discussed with scientists ways to analyze the rate of flow from the leak. The scientists said the release of additional video of the leak, ideally an hour or more, could help to provide a more accurate judge of the size of the leak.

"Up until now, BP has relied on satellite information to determine the size of the leak. But if there are plumes under the waves, how can they just wave off the possibility that there is more oil than meets the eye?" asked Rep. Markey. "There is no invasion of privacy in releasing more video of the oil leak, only a risk of more invasive oil from a larger-than-estimated spill."

###

WILMERHALE

June 13, 2010

David S. Molot

+1 202 663 6843(t)

+1 202 663 6363(f)

david.molot@wilmerhale.com

The Honorable Edward J. Markey
Chairman
Subcommittee on Energy and Environment
Committee on Energy and Commerce
U.S. House of Representatives
2125 Rayburn House Office Building
Washington, DC 20515-6115

**Re: Response to Chairman Markey's Correspondence, Dated June 10, 2010, to
Mr. Lamar McKay, President and CEO of BP America, Inc.**

Dear Chairman Markey:

I am writing on behalf of BP America, Inc. ("BPA") in response to your June 10, 2010 letter to Mr. Lamar McKay requesting that BPA engage with members of the Flow Rate Technical Group ("FRTG") in its efforts to measure the flow rate of oil from the damaged wellhead in the Gulf of Mexico.

BPA very much appreciates the importance of providing accurate and timely information regarding flow rate. To the best of its knowledge, and consistent with its stated commitment to transparency and cooperation, BPA has provided to the FRTG all the information it has requested to date. BP will, of course, respond to any requests received from the FRTG in the future.

Thank you for the opportunity to respond to your concerns. If you have any questions, please feel free to contact me or to have your staff contact Liz Reicherts at (202) 457-6585.

Sincerely,



David Molot

cc: Chairman Henry Waxman
Ranking Member Joe Barton
Ranking Member Fred Upton

ATTACHMENT 1

Using "Standard Guide for Visually Estimating Oil Spill Thickness on Water, ASTM F 2534 - 06."

Oil on Water Estimate - Low

	sq mi	Cover Factor	gal/sq mi	gals	bbbls
Sheen	1500	0.5	50	37500	893
Dull oil	250	0.2	666	33300	793
Dark oil	9	0.15	3330	4495.5	107

Total oil on water 75296 1793

x 2 to compensate for evap and disp 3586

recovered 200

chemically dispersed 1000

Total emitted 4786

Barrels emitted per day 1063

Oil on Water Estimate - Best Guess

	sq mi	Cover Factor	gal/sq mi	gals	bbbls
Sheen	1500	0.66	333	329670	7849
Dull oil	250	0.35	1332	116550	2775
Dark oil	9	0.25	6660	14985	357

Total oil on water 461205 10981

x 2 to compensate for evap and disp 21962

recovered 450

chemically dispersed 3500

Total emitted 25912

Barrels emitted per day 5758

Oil on Water Estimate - High

	sq mi	Cover Factor	gal/sq mi	gals	bbbls
Sheen	1500	0.75	666	749250	17839
Dull oil	250	0.5	3330	416250	9911
Dark oil	9	0.35	13320	41958	999

Total oil on water 1E+06 28749

x 2 to compensate for evap and disp 57498

recovered 700

chemically dispersed 6000

Total emitted 64198

Barrels emitted per day 14266

4/27/10
5/17/2010

ATTACHMENT 2

Using "Standard Guide for Visually Estimating Oil Spill Thickness on Water" ASTM F 2534 - 06

Oil on Water Estimate - Low

	sq mi	Cover Factor	gal/sq m	gals	bbls
Sheen	1641	0.5	50	41025	977
Dull oil	235	0.2	666	31302	745
Dark oil	21	0.15	3330	10490	250

Total oil on water				92817	1972
x 2 to compensate for evap and disp					3944
recovered					200
chemically dispersed					1000
Total emitted					5144
Barrels emitted per day					935

Oil on Water Estimate - Best Guess

	sq mi	Cover Factor	gal/sq m	gals	bbls
Sheen	1641	0.86	333	360659	8587
Dull oil	235	0.35	1332	109557	2609
Dark oil	21	0.25	6660	34965	833

Total oil on water				505181	12028
x 2 to compensate for evap and disp					24056
recovered					450
chemically dispersed					3500
Total emitted					28006
Barrels emitted per day					5092

Oil on Water Estimate - High

	sq mi	Cover Factor	gal/sq m	gals	bbls
Sheen	1641	0.75	666	819580	19516
Dull oil	235	0.5	3330	391275	9316
Dark oil	21	0.35	13320	97902	2331

Total oil on water				1308857	31163
x 2 to compensate for evap and disp					62327
recovered					700
chemically dispersed					6000
Total emitted					69027
Barrels emitted per day					12550

Using 'Standard Guide for Visually Estimating Oil Spill Thickness on Water, ASTM F 2534 - 06.'

ATTACHMENT 3

Oil on Water Estimate - Low

	sq mi	Cover Factor	gal/sq mi	gals	bbls
Sheen	1929	0.5	50	48225	1148
Dull oil	238	0.2	666	31702	755
Dark oil	91	0.15	3330	45455	1082

Total oil on water 125381 2985

x 2 to compensate for evap and disp 5971

recovered 400

chemically dispersed 1400

Total emitted 7771

Barrels emitted per day 1195

Oil on Water Estimate - Best Guess

	sq mi	Cover Factor	gal/sq mi	gals	bbls
Sheen	1929	0.66	333	423956	10094
Dull oil	238	0.35	1332	110956	2642
Dark oil	91	0.25	6660	151515	3608

Total oil on water 686426 16343

x 2 to compensate for evap and disp 32687

recovered 1500

chemically dispersed 4200

Total emitted 38387

Barrels emitted per day 5906

Oil on Water Estimate - High

	sq mi	Cover Factor	gal/sq mi	gals	bbls
Sheen	1929	0.75	666	963536	22941
Dull oil	238	0.5	3330	396270	9435
Dark oil	91	0.35	13320	424242	10101

Total oil on water 1784048 42477

x 2 to compensate for evap and disp 84955

recovered 3000

chemically dispersed 6000

Total emitted 93955

Barrels emitted per day 14455

Attachment 4

Using "Standard Guide for Visually Estimating Oil Spill Thickness on Water, ASTM F 2534 - 05"

Oil on Water Estimate - Low

	sq mi	Cover Factor	gal/sq m	gals	bbbls
Sheen	2481	0.5	50	62025	1477
Dull oil	160	0.2	666	21312	507
Dark oil	35	0.15	3330	17483	416

Total oil on water 100820 2400

x 2 to compensate for evap and disp 4801

recovered 500

chemically dispersed 1800

Total emitted 6901

Barrels emitted per day 920

Handwritten notes:
 4/11/10 10:00
 4/12/10 11:00
 4/13/10 12:00
 4/14/10 13:00

Oil on Water Estimate - Best Guess

	sq mi	Cover Factor	gal/sq m	gals	bbbls
Sheen	2481	0.66	333	545274	12983
Dull oil	160	0.35	1332	74592	1776
Dark oil	35	0.25	6660	58275	1366

Total oil on water 678141 16146

x 2 to compensate for evap and disp 32292

recovered 2000

chemically dispersed 4900

Total emitted 39192

Barrels emitted per day 5226

Oil on Water Estimate - High

	sq mi	Cover Factor	gal/sq m	gals	bbbls
Sheen	2481	0.75	666	1239260	29506
Dull oil	160	0.5	3330	266400	6343
Dark oil	35	0.35	13320	163170	3885

Total oil on water 1668630 39734

x 2 to compensate for evap and disp 79468

recovered 4000

chemically dispersed 7200

Total emitted 90668

Barrels emitted per day 12089

Attachment 5

Using "Standard Guide for Visually Estimating Oil Spill Thickness on Water, ASTM F 2534 - 06."

Oil on Water Estimate - Low

	sq mi	Cover Factor	gal/sq mi	gals	bbls
Sheen	5256	0.5	50	131400	3129
Dull oil	597	0.2	666	79520.4	1893
Dark oil	120	0.15	3330	59940	1427

Total oil on water				270860.4	6449
x 2 to compensate for evap and disp					12698
recovered					15838
chemically dispersed					16500
burned					5821
Total emitted					51057
Barrels emitted per day					1891

Oil on Water Estimate - Best Guess

	sq mi	Cover Factor	gal/sq mi	gals	bbls
Sheen	5256	0.65	333	1155164	27504
Dull oil	597	0.35	1332	278321.4	6627
Dark oil	120	0.25	6660	199800	4757

Total oil on water				1633285	38888
x 2 to compensate for evap and disp					77775
recovered					31676
chemically dispersed					33000
burned					11642
Total emitted					154093
Barrels emitted per day					5707

Oil on Water Estimate - High

	sq mi	Cover Factor	gal/sq mi	gals	bbls
Sheen	5256	0.75	666	2625372	62509
Dull oil	597	0.5	3330	994005	23667
Dark oil	120	0.35	13320	559440	13320

Total oil on water				4178817	99496
x 2 to compensate for evap and disp					198991
recovered					63352
chemically dispersed					66000
burned					23284
Total emitted					351627
Barrels emitted per day					13023

ATTACHMENT 6

Seafloor Exit 7" x 9-7/8" Casing Annulus Flow Path

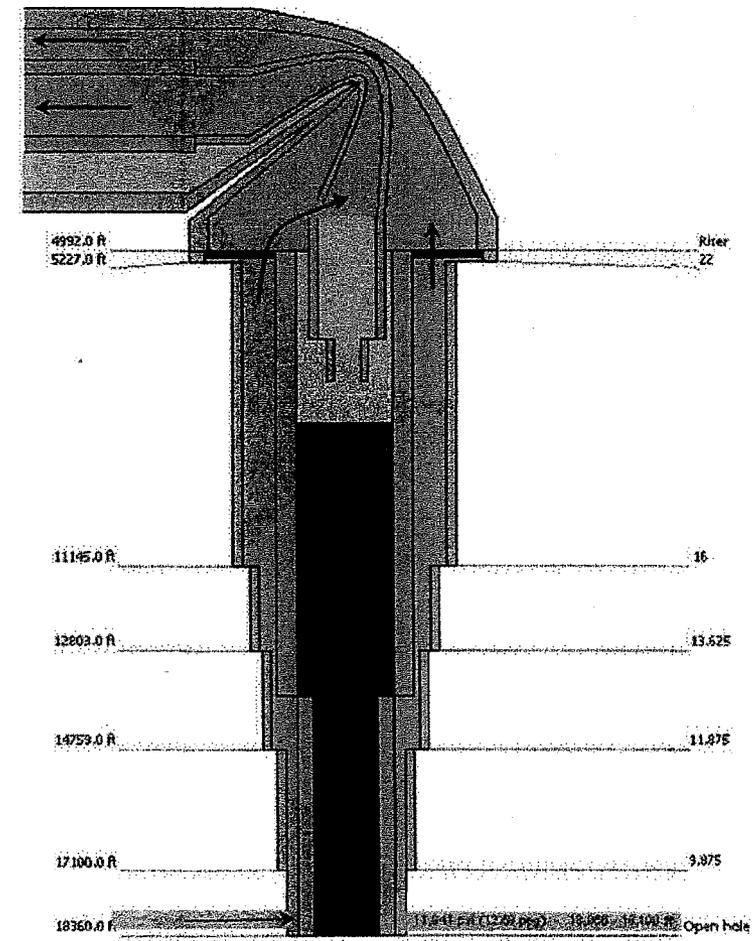
Worst case theoretical flow assumes:

- Split 5-1/2" drill pipe at subsea BOP and flow out 6-5/8" drill pipe
- Maximum theoretical flow rate is 60,000 BOPD

Items that reduce worst case theoretical flow:

- Crushed and bent riser and drill pipe
- Cement sheath in open hole by casing annulus
- Casing hanger and pack-off restriction
- Sand production (unconsolidated formation)
- Shale collapse
- Water production
- BOP functions activated
- Expected range of possible flow rates is 5,000 to 40,000 BOPD

NOTE: Removal of all restrictions (riser, BOP, and drill pipe) adds ~10,000 BOPD to rates above



Key Messages

Expected Case:

In the current state a wellhead pressure decrease from 3800 psi to 2270 psi (pressure seafloor) results in a flow rate increase ranging from 15% to 30%

Alternate Case:

If fluid flow is only through the drill pipe – and then the drill pipe is unintentionally removed and flows into the sea (2270 psi):

- For flow up the annulus the rate doubles
- For flow inside production casing the rate triples

Note:

If BOP and wellhead are removed and if we have incorrectly modeled the restrictions – the rate could be as high as ~ 100,000 barrels per day up the casing or 55,000 barrels per day up the annulus (low probability worst cases)

04.26.2010

ATTACHMENT 8

Estimation of the Oil Released from Deepwater Horizon Incident (26 April 2010, 1200hrs PDT)

1) Surface Oil volume Estimation

Estimating oil volume by the visual appearance of the slick is a highly unreliable process. At best, one can calculate an answer to only an order of magnitude. Other estimation methods, if available, are likely to give more accurate answers

Oil spills separate into thick portions that can be as thick as an inch or more and thin sheen that are only as thick as a few visible light wavelengths. Most of the oil volume in a typical crude oil spill is in the thick part (but most of the area is sheen)

Much of the oil from the light crude that is being released will evaporate or disperse in the water column. We would expect at least half of the oil released to be accounted for by these mechanisms

The oil that makes it to the surface is showing signs of emulsification. Emulsified oil can contain up to 90% water.

Weathered oil that has formed tar balls are not detectable by satellites or overflights.

Based upon past experiments, published standards, and actual spills, NOAA/ERD defines the range of thickness of slicks as

Sheen thickness - ($10^{-8} m \leftrightarrow 10^{-5} m$)

Dark oil thickness - ($10^{-5} m \leftrightarrow 10^{-2} m$)

Area coverage of slick (4/26/10), based upon satellite images ($1500 km^2 \leftrightarrow 3000 km^2$)

→ Sheen volume, using average thickness of 0.1 micron, area of 2000 sq. km and 100% coverage yields oil volume of 200 cu. m = 1200 bbl = 50,000 gal

→ Thick oil volume, using average thickness of 100 microns, 1% average coverage and 50% water content yields an oil volume of 1000 cu. m = 6000 bbl = 0.25 million gal

→ To an order of magnitude, we estimate that there are around 10,000 bbl of oil on the water surface, or around a half million gallons

2) Estimated Present Volume Release Rate

The following assumptions are used to make a release rate calculation. If any of them are changed, the answer could be significantly different.

The oil is leaking, in a vertical plume from a hole approximately 40 cm. in diameter.

The velocity of the material in the plume is estimated by visual observation to be between 7 cm/sec and 30 cm/sec.

The plume itself contains gas bubbles, oil droplets, and entrained seawater.

9 [Assuming that 50% of the plume volume is oil and a rise velocity of 15 cm/sec, the oil released from this source would be roughly 5000 bbl/day. (approximately 200,000 gal/day) Other sources would contribute additional oil. This answer will be refined as additional information becomes available.

Mississippi Canyon 252 #1 Flow Rate Calculations

Context

A 30 second video clip of hydrocarbons leaking from the broken end of the Deepwater Horizon drilling riser has been released to the public. Various "experts" are challenging Unified Command's best guess estimate of flow rate at the seabed based on this video clip. This note summarizes the various estimates that have been made within Unified Command.

Mass Balance

The mass balance calculation involves estimating, through visual inspection, the volume of oil on the surface of the water. Allowances are then made for natural dispersion and evaporation. Estimates of volumes skimmed, burned, and chemically dispersed then allow an estimate of the oil released at the seabed over the duration of the spill. The calculation is repeated each day weather permitting.

In the early days of the spill, the surface expression of the spill was relatively small. Overflights were able to provide fidelity with respect to the character of the oil on the surface. Three descriptors were used

- Sheen
- Dull
- Dark oil

There are two Standards for estimating the thickness of oil on water using visual descriptors.

- US-based ASTM Standard
- European-based Bonn Agreement

The visual descriptors are different in the two standards and the relationships to thickness are also different.

From April 27 through April 30 daily estimates of flow rate were made on the basis of visual description of the oil on the surface. Three estimates were made each day – low, best guess, and high – to allow for differences between the two standards, and uncertainties around the input parameters.

- Low end was always around 1,000 barrels per day
- Best guess was between 5,000 and 6,000 barrels per day
- High end varied from 12,000 to 14,000 barrels per day

The tables associated with these estimates are attached (Attachments 1-4). These estimates played an important part in Unified Command's decision to raise the estimate of flow rate from 1,000 to 5,000 barrels per day.

During the storm which began on May 1, and for several days after, no visual description of the spill was obtained. From May 8, daily outlines of the spill have been available based on a combination of satellite and aerial overflights. However, because of the size of the spill area, overflights have been unable to provide fidelity on the visual appearance of the oil within the spill area. During the five days in April for which fidelity was available, the ratios of dark oil to dull oil to sheen remained relatively constant at 2/10/88. These ratios have been applied to the total area of spill on May 17. Current estimates of volumes of oil skimmed, burned, and chemically dispersed were then applied to provide an updated range of possible flow rates as follows: 2,000 – 6,000 – 13,000 barrels per day (Attachment 5).

Note that all serious scientists recognize that there are huge uncertainties in estimating oil volumes from visual inspection. Oil thickness is by far the greatest uncertainty, with both sheen and darker oil thicknesses varying by orders of magnitude.

Maximum Discharge Calculation

Prior to drilling the MC 252 exploration well a maximum discharge estimate was provided as part of the permitting process. Predictions of reservoir thickness, quality, and pressure were convolved with the well design to develop a worse case scenario as follows.

- Optimistic assumptions for reservoir thickness, quality, pressure, and fluid properties.
- Total loss of control of well after drilling through reservoir in largest hole size allowed by the well design – 12 ¼”.
- Totally uncontrolled flow from drilling riser at surface.

Using these assumptions, a maximum case discharge of 162,000 barrels per day was estimated.

After the sinking of the Deepwater Horizon, this estimate was reviewed in the light of the actual situation as it was understood at that time.

- Formation evaluation of the reservoir interval.
- 9 7/8” hole size in the reservoir
- 7” production tubing across the reservoir
- Flow to seabed through casing annulus
- Split 5 ½” drill pipe at BOP and flow out 6 5/8” drill pipe
- No restrictions in BOP, riser, or drill pipe (ie well head open to seabed – requires BOP to fall off well head)

An absolute worst case flow rate of 60,000 barrels per day was calculated. A more reasonable worst case scenario of 40,000 barrels per day recognizes the following.

- BOP is in place and may be partially activated.
- The riser and drill pipe is crushed and kinked.

- Restrictions provided by cement in the casing annulus, formation collapse, casing hangers, etc., are likely.

This analysis is summarized on Attachment 6.

A more sophisticated version of this calculation has been carried out as more has been learned about pressures at the top and bottom of the well head. This review calculates unconstrained flow rate through the casing as well as up the annulus. Absolute worst cases with wellhead and BOP removed, and no downhole restrictions, are as follows (Attachment 7).

- Annular flow – 55,000 barrels per day
- Casing flow – 100, 000 barrels per day

Fluid Velocity At Seabed

On April 26, NOAA scientists made an estimate of volume release rate at the seabed as follows.

- Oil leaking from a hole approximately 40 cm in diameter (Deepwater Horizon riser is 19.5"/49.5 cm ID, and is somewhat crimped at release point).
- By visual inspection the velocity of the material in the plume is between 7 and 30 cm per second.
- The plume contains roughly 50% oil droplets (together with gas bubbles and entrained seawater).

The NOAA estimate using these assumptions was roughly 5,000 barrels per day (Attachment 8).

Evidence Against Extreme Flow Rates At Seabed

A Professor from Purdue University has calculated a current flow rate at the seabed of 70,000 +/- 14,000 barrels per day. He bases his estimate on the velocity of fluid exiting the drilling riser on the seabed. His estimate is unlikely to allow for the following additional factors required to estimate the flow of oil.

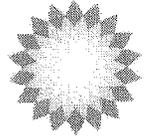
- Drill pipe in riser reducing flow area
- Partial crimping of riser end reducing flow area
- Proportion of gas and entrained water exiting riser with the oil
- Volume reduction of oil as gas escapes en route from seabed to surface
- Flow rate not constant

Finally, there is absolutely no evidence of any floating material being entrained in the plume exiting the broken riser. In a report to the MMS on Oil Spill Containment, Remote Sensing and Tracking For Deepwater Blowouts, PCCI Marine and Environmental Engineering made the following statement.

"The blowout plume will make it difficult to approach the well with anything but very massive equipment pieces or ROVs. The operation of ROVs will be difficult around the blowout point. The jet zone will cause vast amounts

of water to flow towards the well. The danger of having lighter equipment sucked into the flow is large. Many ROVs have been rendered useless by relatively minor blowout plumes”

ROV video shows neutrally buoyant material passing within inches of the plume without being sucked in. From this observation alone, the flow must be relatively minor.



May 24, 2010

BY ELECTRONIC DELIVERY

The Honorable Edward J. Markey
Chairman
Subcommittee on Energy and Environment
Committee on Energy and Commerce
U.S. House of Representatives
2125 Rayburn House Office Building
Washington, DC 20515-6115

Re: Response to Chairman Markey's Correspondence, Dated May 14, 2010, to Mr. Lamar McKay, President and CEO of BP America, Inc.

Dear Chairman Markey:

I am writing on behalf of BP America, Inc. ("BPA") in response to your May 14, 2010 letter to Mr. Lamar McKay. We very much appreciate the importance of providing reliable and timely information regarding the flow of oil from the damaged wellhead in the Gulf of Mexico. With that objective in mind and in the spirit of cooperation and transparency that has informed all of our efforts to date, BPA is providing the responses below to your questions and the accompanying documents, identified by the Bates-range BP-HZN-CEC 020095 – 020107.

As you know, the estimate of 5,000 barrels per day is a Unified Command estimate, not a BP estimate. The primary methods which Unified Command has used to estimate the amount of oil flowing from the well are summarized below and in the attached materials, identified as BP-HZN-CEC 020103 - BP-HZN-CEC 020106. The range varies from about 1,000 barrels per day to roughly 15,000 barrels per day, with a best scientific guess of roughly 5,000 barrels per day – the number that Unified Command has used repeatedly and has made clear is only a rough estimate.

- 1. Prior to the incident, did BP already have an estimate of the maximum amount of oil that could be expected to flow from this well under normal conditions?**

Prior to drilling, BP had prepared a production estimate for this well based on expected overall oil volume in place, expected reservoir properties, and the anticipated development concept. This concept included three (3) wells processed through a neighboring oil production facility. The rate associated with this initial well was 15,000 barrels per day.

- 2. What was the basis for this estimate?**

Prior to the drilling of the Macondo well, the estimate of the maximum amount of oil that could be expected to flow from the well under normal conditions was based on interpretation and modeling from: (1) production information from other wells in the Mississippi Canyon; (2) geological information from other wells in the Mississippi Canyon; and (3) seismic data.

3. Please provide all documents that relate to the amount of oil that could be expected to flow from this well, including any estimates of profits that this well was projected to generate.

We have enclosed a production profile estimate for three development wells, one of which is the Mississippi Canyon 252 #1 exploration well. [BP-HZN-CEC 020107.] If you require additional information, please let us know.

4. What is the BP method and scientific basis for the estimate of 5,000 barrels per day? Was this estimate based solely on surface monitoring of the size of the spill?

The estimate of 5,000 barrels per day is a Unified Command estimate, not a BP estimate. The initial work leading to this estimate was carried out by the National Oceanic and Atmospheric Administration ("NOAA"). Two approaches were used – estimation of oil volumes on surface and estimates of velocity of the plume exiting the riser. The documentation provided by NOAA is shown at BP-HZN-CEC 020102.

- It is our understanding that NOAA estimated, through visual observation, that the volume of oil on the water on April 26 was 10,000 barrels. Using this information, a daily flow rate can be estimated as follows.
 - For this oil type, 50% of the volume is expected to evaporate or disperse naturally within hours of release.
 - Thus, 10,000 barrels on the water implies 20,000 barrels were released. (At this point in the response, negligible oil had been skimmed or dispersed, and none had been burned.)
 - The spill began when the Deepwater Horizon sank on April 22. Thus, 20,000 barrels represents four days of flow.
 - 20,000 barrels divided by four days equals 5,000 barrels per day.
- It is our understanding that, by observing the velocity of the plume exiting the end of the riser, NOAA scientists made an estimate of the flow rate at the seabed as follows.
 - Oil leaking from a hole approximately 40 cm in diameter (the Deepwater Horizon riser is 19.5"/49.5 cm ID, and is somewhat crimped at the release point).
 - By visual inspection the velocity of the material in the plume is between 7 and 30 cm per second.
 - The plume contains roughly 50% oil droplets (together with gas bubbles and entrained seawater).
 - Assuming a mid-range velocity of 15 cm per second, NOAA estimated a flow rate of 5,000 barrels per day. The associated range would be from 2,500 to 10,000 barrels per day.

Subsequent estimates of flow rate have been carried out within Unified Command and have yielded consistent results.

5. Were all or any of the latest methods that are available today for estimating the amount of such a spill employed?

To the best of our knowledge, Unified Command has employed, and is continuing to employ, all viable methods to estimate the volume of oil flowing. We have recently learned that the U.S. Geologic Survey ("USGS") has an aircraft-mounted system known as AVIRIS (Airborne Visible/Infrared Imaging Spectrometer), which can measure the thickness of oil on water. The system has been deployed, and the data are currently being processed.

6. Please provide all documents created since the incident occurred that bear on, or relate to, in any way, estimates of the amount of oil being released.

We are producing documents, which can be found at BP-HZN-CEC 020095 - BP-HZN-CEC 020106, that relate to estimates of the amount of oil being released. If you require additional information, please let us know.

In addition, the federal government created a Flow Rate Technical Group ("FRTG"), comprised of members of the scientific community and government agencies, to provide further specificity on the flow rate. Consistent with its stated commitment to transparency and cooperation, BP has provided the FRTG with data showing release points and amounts of oil and gas currently being collected on the Discoverer Enterprise, as well as subsea video of the oil release to assist with FRTG's efforts.

7. What is the basis, if any, for the worst case estimate of approximately 60,000 barrels per day provided to the Energy and Commerce Committee during a May 4th briefing?

Prior to drilling the Mississippi Canyon 252 exploration well, an estimate of the maximum discharge from the well in the worst case scenario of an uncontrolled flow was provided as part of the permitting process. Predictions of reservoir thickness, quality and pressure were considered, in light of the well design, to develop this scenario. After the sinking of the Deepwater Horizon, that earlier estimate was reviewed in light of new data points and assumptions relating to the then-current situation, which yielded the estimated flow rate, in the worst case, of approximately 60,000 barrels per day.

8. Was BP, as has been reported in the press, offered an opportunity to use the latest technology for estimating the volume of oil flowing from the pipe?

Please see answer to Question 5.

9. Did BP accept or refuse any such offers and has BP used the latest technology to estimate the volume of oil flowing from the well?

As noted above, the Unified Command has developed the estimates regarding the rate of oil flowing from the well. It is our understanding that Unified Command has employed, and is

continuing to employ, all viable technologies to estimate the volume of oil flow. We are also assisting FRTG with its efforts to provide further specificity on the flow rate.

10. **Has BP used any subsurface technology to estimate the amounts of oil flowing from the well? If so, please provide the results of any such efforts.**

BP is not aware of any technology that reliably estimates the amount of oil flowing from the well, either subsea or subsurface.

11. **Is it accurate to suggest as BP Vice President Kent Wells did recently that "There's just no way to measure it?" If so, then does BP stand behind the current estimates of the amount of oil flowing or not?**

Under the current circumstances, it is indeed challenging to determine the rate of oil flow with precision. No direct measurement of the flow rate at the well is feasible. That said, one can make scientifically informed estimates regarding the likely flow by observing a range of factors at sea level as well as the limited available subsea information. BP believes the Unified Command made a reasonable judgment based on the available information. In addition, BP is currently assisting FRTG with its efforts to provide further specificity on the flow rate.

12. **Could an increased flow from the riser pipe affect proposed or attempted efforts to stop the flow of oil, such as the failed containment dome strategy, the so called "junk shot" strategy, attempts to place an additional pipe into the riser, and the drilling of relief wells for plugging the well bore?**

Yes. Flow rates have been considered in connection with all efforts to stop the flow of oil.

13. **Please indicate for the record BP's current estimate of the amount of oil flowing from the well and provide the basis and methodology for that estimate, along with any uncertainty or error ranges for the estimate.**

The primary methods which Unified Command, and in particular NOAA, has used to estimate the amount of oil flowing from the well are summarized above in response to Question 4. The resulting calculation ranges from about 1,000 barrels per day to roughly 15,000 barrels per day, with the most scientifically-informed judgment suggesting a best guess of roughly 5,000 barrels per day. Please note that, as the Unified Command has made clear, these are only estimates.

14. **BP has suggested in press reports that it is focused on closing the leak, rather than in measuring it. Are efforts to close the leak inconsistent with efforts to measure its volume? Why wouldn't such efforts actually be complementary?**

BP is committed to stopping the leak, containing the oil offshore as much as possible and taking proactive mitigation to protect the shoreline. Although no direct measurement of the flow

Hon. Edward J. Markey, Chairman
May 24, 2010
Page 5

rate at the well is feasible, the methodologies and results for inferred estimation are described in the answer to Question 4 above.

15. **Using estimates of 5,000 barrels per day, 40,000 barrels per day and 70,000 barrels per day, and further assuming that the leak continues for another 60 days, what is the projected extent of the spill in square miles and the amount of Gulf coastline in miles that would potentially be affected by such a spill?**

As the Committee undoubtedly appreciates, the situation in the Gulf of Mexico continues to be highly dynamic, and any estimate regarding the potential geographic reach of the spill or the amount of impacted coastline will depend on a range of factors that are not static, including meteorological forecasts which cannot be predicted with any degree of confidence beyond NOAA's three-day forecast.

* * * * *

Please note that the documents that we are providing in connection with these responses contain confidential business information. BP respectfully requests that these documents be maintained confidentially and that, if the Committee or Subcommittee is considering releasing any of these documents, BP be given an opportunity to be heard on that question.

Again, thank you for the opportunity to respond to your concerns. If you have any questions, please feel free to contact me or to have your staff contact Liz Reicherts at (202) 457-6585.

Sincerely,



R. Kevin Bailey

Enclosures

cc (w/o encl.):

Chairman Henry Waxman
Ranking Member Joe Barton
Ranking Member Fred Upton

Duncan, Jeff

From: Goo, Michael
Sent: Tuesday, May 18, 2010 2:14 PM
To: 'Reicherts, Elizabeth A'
Cc: 'Jim Massie'
Subject: RE: BP Gulf of Mexico Update: May 15th

Liz thanks for sending these they are very helpful. Can you give me a call---I want to check in on our letter and on the hearing. I am 202-225-4012. Or on cell at 703-475-6386

From: Reicherts, Elizabeth A [mailto:Liz.Reicherts@bp.com]
Sent: Sunday, May 16, 2010 10:37 AM
To: Reicherts, Elizabeth A
Subject: BP Gulf of Mexico Update: May 15th

BP is working as part of the Unified Command to accomplish three main objectives in the Gulf of Mexico:

1. On the Sea Floor to stop the flow of oil through various strategies;
2. On the Surface to minimize impacts of the spill; and
3. Onshore to protect the shoreline and engage the public.

Highlights

- 17,496 personnel responding as part of the Command, plus volunteers.
- Subsea dispersant application recommenced early Saturday.
- 14 air sorties successfully apply an additional 44,000 gallons of dispersant.
- 68 additional specialty response vessels at work today.
- 1 new claims office opens in Florida.

Offshore – Sea Floor

BP's priority is to reduce and stop the flow of oil subsea and minimize environmental impacts. 4 vessels and 9 Remote-Operated Vehicles continue subsea work on the following operations:

1. **Riser Insertion Tube** – The riser insertion tool was brought back to the surface for a refitting. Once back on the sea floor, crews will attempt to insert the tool into the ruptured leaking riser. The riser insertion tube is connected to a drill pipe and riser that run to the Transocean *Enterprise*, on the surface. All necessary equipment is on location and engineers will move the tool back to the sea floor as soon as refitting is complete, sometime over the weekend.
2. **“Top Kill” Activities**
 - Equipment has been fabricated and moved to location near the blowout preventer in order to work on killing the well from the top. Manifold and bypass lines are in place to provide access to valves on the BOP. A “junk shot” of shredded fibrous material will be injected into the BOP through these lines. The objective is for the material to travel up the BOP and clog the flow of the well at the pinch point. Once the pressure is controlled, heavy fluids and cement will be pumped down the well to kill it.
 - Diagnostics are ongoing. Gamma ray surveys are being conducted to help determine the status of internal components in the blowout preventer. Valves are being prepared to connect “choke” and “kill” lines to the manifold.
3. **Containment Recovery System**
 - A containment dome, called a “top hat,” has been deployed to the sea floor and is readied to be placed over the main leak, if needed. It is designed with injection ports that can accommodate “anti-freeze” in order to mitigate the formation of frozen hydrates.
 - It is important to note that this technology has never been done at this water depth. Significant technical and operational challenges must be overcome for it to be successful.
4. **Drilling relief wells** – Transocean *Development Driller III* “spudded” the first relief well on Sunday, May 2 in a water depth of roughly 5,000 feet. This relief well is one-half mile from the Macondo well and will attempt to intercept the existing wellbore at approximately 18,000 feet below sea level. As of today, the well has been drilled

to 9,000 feet below sea level. Casing was run and cemented to that depth. The BOP is tested and riser is being run so drilling can continue, sometime this weekend. It is estimated the total drilling process will take at least 90 days. Once that is accomplished, heavy fluids and cement can be pumped downhole to kill the well. A second relief well has been permitted and the Transocean *Development Driller II* is on location with drilling expected to begin on May 16.

5. **Dispersant injection at the sea floor** – After receiving approval from federal agencies, on Saturday, recommenced application of dispersant directly at the leak site on the sea floor using Remote Operated Vehicles (ROVs). Dispersant acts by separating the oil into small droplets that can break down more easily through natural processes before it reaches the surface. Sonar testing and aerial photographs show encouraging results. The additional subsea application is subject to ongoing testing protocols developed with the Environmental Protection Agency and other federal and state agencies.

Offshore – Surface Spill Response

- **Cleanup Vessels** – 627 specialty response vessels are now deployed, including tugs, barges and recovery boats. 30 of the boats are Oil Spill Response Vessels that are designed to separate the oil from water. Approximately 151,391 barrels of oil-water mix (6.35 million gallons) have been recovered and treated.
- **Surface Dispersant** – 561,608 gallons of dispersant have been applied on the surface by aircraft, with an additional 44,000 applied since Thursday. The dispersant is a biodegradable chemical that works like soap by separating the oil into small droplets that can be more easily broken down by natural processes. An additional 263,000 gallons are available for deployment. The Unified Command has three teams of vessels in place to apply dispersant on the surface, weather permitting.
- **In-Situ Burning** – The Unified Command has teams in place prepared to continue in-situ burning, depending on the weather. The in-situ burning is conducted on the surface using special fire-boom that collects surface hydrocarbons which are then burned off.

Onshore - Shoreline Protection and Community Outreach

- **\$25 Million Block Grants to 4 States** – Louisiana, Florida, Mississippi and Alabama have each received a \$25 million block grant. The grants were offered by BP to help local agencies upfront to implement the States' approved Area Contingency Plans. The Contingency Plans address removal of a worst case spill and are designed to mitigate or prevent a substantial threat to sensitive areas. The money will enable local businesses to immediately support clean-up and recovery efforts. The grant is supplemental to BP's private claims process, which remains unchanged.
- **Oil Containment and Shoreline Protection** – More than 1,600,000 feet of both sorbent and barrier boom have been deployed or staged to protect sensitive coastal areas. BP is working to procure an additional 3,500,000 feet of boom. Boom is now in place or staged to protect nearly all "Tier 1" shoreline in each of the four states. Some teams are starting to work on "Tier 2" areas.
- **"Vessels of Opportunity" Program** – 3,300 applications have been approved and approximately 1,300 vessels are active – an increase of 150 since Thursday. Participating vessels are being organized into 25-boat task force teams to help with a variety of clean-up activities, including transporting supplies, performing wildlife rescue, and towing and deploying booms. To qualify for the program, operators need to meet several key requirements, including attending a four-hour hazardous waste training session, passing a dockside examination by the U.S. Coast Guard, and meeting crewing requirements based on the size of the vessel provided. The contact number for people interested in registering for the program is (281) 366-5511. Information about training can be found on the incident website at www.deepwaterhorizonresponse.com under "volunteers." For additional information about training call (866) 905-4492.
- **Volunteers and Training** – BP has opened 22 Community Outreach Centers across the Gulf where people can go for more information, to find out about the spill, and to connect with volunteer opportunities. Training ramped up significantly this week, with sessions held at multiple locations across the Gulf. As of today, more than 15,000 volunteers have been trained in five different training modules that range from safety for beach clean-up, to wildlife monitoring, handling of hazardous materials and vessel operation for laying boom. Information about training can be found on the incident website at www.deepwaterhorizonresponse.com under "volunteers."
- **Informing Community Leaders** – The Unified Command is currently holding twice-daily teleconferences with mayors and community leaders across Mississippi, Alabama and Florida to ensure that elected officials have an opportunity to

be updated on Command activities and to ask questions. Additionally, BP has deployed local government affairs specialists to respond directly to local governments.

- **Wildlife Activities** – 6 additional reports of impacted wildlife. Wildlife rehabilitation sites are located in Venice, LA and Mobile, AL.
- **Claims for Damages** - BP has opened 13 claims offices to help claimants through the process. Vietnamese and Spanish translators are in some offices. 13,000 claims have been filed and 2,500 of them have been paid. More than \$9 million has been paid out, most of which is for loss of income for commercial fishing and loss of wages. The contact number for claims is (800) 440-0858. Claims office locations are listed below.

Summary of Regional Operations and Outreach	
Louisiana Sites:	Robert – Unified Area Command
	Houma – Incident Command Post
	Pointe A La Hache – Community Outreach Center
	Venice – Community Outreach Center, Staging Area
	Grand Isle – Staging Area
	Port Fourchon – Staging Area
	Cocodrie – Staging Area
	Shell Beach – Staging Area
	Slidell – Staging Area
	Amelia – Staging Area
	Belle Chasse – Claims Office 2766 Belle Chasse Hwy Belle Chasse, LA 70037
	Grand Isle – Claims Office 3811 LA 1 Grand Isle, LA 70358
	Hammond – Claims Office Worley Operations Center 303 Timber Creek Hammond, LA 70404
	Pointe A La Hache – Claims Office 1553 Hwy 15 Pointe A La Hache, LA
	St. Bernard – Claims Office 1345 Bayou Rd Saint Bernard, LA 70085
Venice – Claims Office 41093 Hwy LA 23 Boothville, LA 70038	

- Community Outreach Centers open in 7 parishes.
- Bringing in additional adjusters to help process claims and working with translators to ensure that Vietnamese and Spanish speaking communities are served.
- Meeting with large seafood processors to determine best way to work claims.
- Continued work with parish presidents and opening new community outreach centers. Helping communities deal with increased traffic due to media and governmental interest.
- Working with Catholic Charities to deliver immediate community needs of food and clothing.
- Some fishing areas are reopening.

Mississippi Sites:	Pascagoula – Community Outreach Center, Staging Area
	Biloxi – Community Outreach Center, Staging Area
	Waveland – Community Outreach Center
	Pass Christian – Staging Area
	Biloxi – Claims Office 920 Cedar Lake Rd, Suite K Biloxi, MS 39532

	Pascagoula – Claims Office 5912 Old Mobile Hwy Suite 4 Pascagoula, MS 39563
--	---

- Community outreach centers are now in all three coastal counties.
- Continuing to coordinate training for vessel operators and working on Vessels of Opportunity deployment.
- No oil has been reported in Mississippi state waters.

Alabama Sites:	Mobile – Incident Command Post, Community Outreach Center
	Theodore – Staging Area
	Orange Beach – Staging Area
	Dauphin – Staging Area
	Bayou LaBatre – Claims Office 290 N. Wintzell Avenue Bayou LaBatre, AL 36509
	Foley – Claims Office (Orange Beach/Gulf Shores/Bon Secour) 1506 North McKenzie Street (HWY 59), Suite 104 Foley, AL 36535

- Community Outreach Centers open in 2 counties.
- Staffing claims centers with adjusters to process claims.
- Working with Governor’s office and non profit organizations to coordinate volunteers and identify volunteer opportunities.

Florida Sites:	St. Petersburg – Incident Command Post
	Pensacola – Community Outreach Center, Staging Area
	Panama City – Staging Area
	Ft. Walton – Claims Office (open Saturday) 348 SW Miracle Strip Pkwy Suite 13 Fort Walton Beach, FL 32548
	Gulf Breeze – Claims Office 5668 Gulf Breeze Pkwy Unit B-9 Gulf Breeze, FL 32563
	Pensacola – Claims Office 3960 Navy Boulevard Suite 16-17 Pensacola, FL 32507

- Community Outreach Centers open in 7 counties.
- Holding townhall meetings with vessel owners and coordinating training for Vessels of Opportunity volunteers.
- Working with counties to engage volunteers in additional beach clean ups.

Contact Information	
Environment / Community Hotline – to report oil on the beach or shoreline or other environment or community impacts and access the Rapid Response Team	(866) 448-5816
Wildlife – to report and access care for impacted, i.e. oil wildlife	(866) 557-1401
Volunteers – to request volunteer information	(866) 448-5816
Services – to register as consultant, contractor, vendor, or submit information on alternative response technology, services, products or suggestions	(281) 366-5511
Vessels of Opportunity – to report and register boats available to assist with response	(281) 366-5511

Training – for questions about training requirements, times and locations, and to sign up\	(866) 905-4492 or (866) 647-2338
Ideas to Submit – email suggestions to horizonresponse@piersystem.com	
Investor Relations	(281) 366-3123
Claims	(800) 440-0858
Joint Information Center – Media and governmental inquiries	(985) 902-5231 or (985) 902-5240
Transocean Hotline	(832) 587-8554
MI Swaco Hotline	(888) 318-6765
BP Family – and third-party contractor hotline	(281) 366-5578
Twitter: Oil_Spill_2010	
Facebook: Deepwater Horizon Response	
Joint Incident Command website: www.deepwaterhorizonresponse.com	

Duncan, Jeff

From: Goo, Michael
Sent: Wednesday, May 26, 2010 2:30 PM
To: 'Jim Massie'
Subject: call me pronto

From: Jim Massie [<mailto:jmassie@alpinegroup.com>]
Sent: Wednesday, May 26, 2010 12:45 PM
To: Goo, Michael; Liz.Reicherts@bp.com
Subject: Re:

You are damn needy. I just asked for help answering.

From: Goo, Michael <Michael.Goo@mail.house.gov>
To: Reicherts, Elizabeth A <Liz.Reicherts@bp.com>
Cc: Jim Massie
Sent: Wed May 26 12:35:49 2010
Subject:

Guys—just to try and understand what we have here—can you help me with the following questions about the docs?

Attachment 1

1. Who prepared the calculations presented in this document?
2. If these were not prepared by BP, when did BP receive them?
3. The document contains the printed date 5/17/2010 which is crossed out and 4/27/10 is written in. Please confirm the date of this document.

Attachment 2

- 1) Who prepared the calculations presented in this document?

Attachment 3

1. Who prepared the calculations presented in this document?
2. The document contains the printed date 5/17/2010 which is crossed out and 4/29/10 is written in. Please confirm the date of this document.

Attachment 4

1. Who prepared the calculations presented in this document?

Attachment 5

1. Who prepared the calculations presented in this document?

Attachment 6

1. Who prepared this document?

2. On what date was it prepared?

Attachment 7

1. Who prepared this document?
2. On what date was it prepared?

Attachment titled "Mississippi Canyon 252 #1, Flow Rate Calculation" BP-HZN-CEC020103

1. Who prepared this document?
2. On what date was it prepared?

Duncan, Jeff

From: Goo, Michael
Sent: Wednesday, May 26, 2010 12:36 PM
To: 'Reicherts, Elizabeth A'
Cc: 'Jim Massie'

Guys—just to try and understand what we have here—can you help me with the following questions about the docs?

Attachment 1

- 1) Who prepared the calculations presented in this document?
- 2) If these were not prepared by BP, when did BP receive them?
- 3) The document contains the printed date 5/17/2010 which is crossed out and 4/27/10 is written in. Please confirm the date of this document.

Attachment 2

- 1) Who prepared the calculations presented in this document?

Attachment 3

- 1) Who prepared the calculations presented in this document?
- 2) The document contains the printed date 5/17/2010 which is crossed out and 4/29/10 is written in. Please confirm the date of this document.

Attachment 4

- 1) Who prepared the calculations presented in this document?

Attachment 5

- 1) Who prepared the calculations presented in this document?

Attachment 6

- 1) Who prepared this document?
- 2) On what date was it prepared?

Attachment 7

- 1) Who prepared this document?
- 2) On what date was it prepared?

Attachment titled "Mississippi Canyon 252 #1, Flow Rate Calculation" BP-HZN-CEC020103

- 1) Who prepared this document?
- 2) On what date was it prepared?

Duncan, Jeff

From: Goo, Michael
Sent: Tuesday, May 25, 2010 6:28 PM
To: 'Jim Massie'
Subject: Hey Liz sent me some documents from BP

In response to our request for stuff on the flow rate—some of it is a little strange—dates are crossed out and stuff. In any event the letter asks that we give a heads up before release—we are writing a question for tomorrow 's resources hearing referring to the docs—we would not release immediately but probably someone will ask and then we will release---shall I give Liz a call or will she just go on the fritz if I do that?

Duncan, Jeff

From: Goo, Michael
Sent: Monday, May 03, 2010 7:55 PM
To: 'bob.moran@halliburton.com'
Cc: Gray, Morgan
Subject: Energy and Commerce Members Briefing

Bob—The Energy and Environment and Oversight and Investigations Committee will be briefed tomorrow at 2 pm by representatives of BP and Transocean. We will have a teleconference ability. The format will be as I indicated—after a one minute introduction, Transocean and BP will explain the current status of the spill and efforts to combat the spill and shut off the flow of oil. I think that will take 10-15 minutes. If you would like, Halliburton could present at that time as well. Then members will then have an opportunity to ask questions. If Halliburton is not able to prepare a presentation they could also be on the line to answer any questions. The briefing will be only for members and staff of the subcommittees. I have ccd Morgan Gray of my staff. This is just so members who are very interested in the spill can have the basic facts about what is happening regarding the incident.

Duncan, Jeff

From: Goo, Michael
Sent: Friday, May 14, 2010 6:15 PM
To: 'Reicherts, Elizabeth A'
Cc: 'david.nagel@bp.com'
Subject: RE: BP Gulf of Mexico Update: May 14th

Thanks very much—Dave now you have my email as well. Thanks.

From: Reicherts, Elizabeth A [mailto:Liz.Reicherts@bp.com]
Sent: Friday, May 14, 2010 5:53 PM
Subject: FW: BP Gulf of Mexico Update: May 14th

In addition to today's update (below) you will find attached a slide deck which highlights the subsurface options currently being considered and deployed.

Please let us know if you have questions.

**Gulf of Mexico Oil Spill Response Update
05/14/2010 – 3:00pm EDT**

BP is working as part of the Unified Command to accomplish three main objectives in the Gulf of Mexico:

1. On the Sea Floor to stop the flow of oil through various strategies;
2. On the Surface to minimize impacts of the spill; and
3. Onshore to protect the shoreline and keep the public informed.

Highlights

- 17,444 personnel responding as part of the Command, plus volunteers.
- Training expanded, more than 10,000 volunteers trained this week.
- Riser insertion tool ready for placement into the end of the leaking riser pipe.
- Relief well at 9,000 feet – running riser to continue drilling.
- 2 new claims offices open in Florida and 1 in Louisiana.

Offshore – Sea Floor

BP's priority is to reduce and stop the flow of oil subsea and minimize environmental impacts. 4 vessels and 9 Remote-Operated Vehicles continue subsea work on the following operations:

1. **Riser Insertion Tube** – A tool has been fabricated and lowered to the sea floor. One end will be attached to the riser and drill pipe which run to the Transocean *Enterprise*, on the surface. The other end will be inserted into the ruptured riser pipe that is the primary source of the leak. All necessary equipment is on location and engineers plan to move them into place Friday night.
2. **Containment Recovery System**
 - A containment dome, called a "top hat," has been deployed to the sea floor and is being readied to be placed over the main leak, if needed. It is designed with injection ports that can accommodate "anti-freeze" in order to mitigate the formation of frozen hydrates.
 - It is important to note that this technology has never been done at this water depth. Significant technical and operational challenges must be overcome for it to be successful.
3. **"Top Kill" Activities** – Equipment has been fabricated and moved to location near the blowout preventer in order to work on killing the well from the top. Manifold and bypass lines are in place to provide access to valves on the BOP. A "junk shot" of shredded fibrous material will be injected into the BOP through these lines. The objective is for the material to travel up the BOP and clog the flow of the well at the pinch point. Once the pressure is controlled, heavy fluids and cement will be pumped down the well to kill it. This procedure is ongoing.

4. **Drilling relief wells** – Transocean *Development Driller III* “spudded” the first relief well on Sunday, May 2 in a water depth of roughly 5,000 feet. This relief well is one-half mile from the Macondo well and will attempt to intercept the existing wellbore at approximately 18,000 feet below sea level. As of today, the well has been drilled to 9,000 feet below sea level. Casing was run and cemented to that depth. The BOP is tested and riser is being run so drilling can continue, sometime this weekend. It is estimated the total drilling process will take at least 90 days. Once that is accomplished, heavy fluids and cement can be pumped downhole to kill the well. A second relief well has been permitted and the Transocean *Development Driller II* is on location with drilling expected to begin on May 16.
5. **Dispersant injection at the sea floor** – BP has conducted a third round of injecting dispersant directly at the leak site on the sea floor using Remote Operated Vehicles (ROVs). Dispersant acts by separating the oil into small droplets that can break down more easily through natural processes before it reaches the surface. Sonar testing and aerial photographs show encouraging results. The Environmental Protection Agency and other state and federal agencies, operating as part of the National Response Team, have approved additional subsea application subject to ongoing protocols.

Offshore – Surface Spill Response

- **Cleanup Vessels** – 559 specialty response vessels are deployed, including tugs, barges and recovery boats. 30 of the boats are Oil Spill Response Vessels that are designed to separate the oil from water. Approximately 151,391 barrels of oil-water mix (6.35 million gallons) have been recovered and treated, a reported increase of nearly 50,000 barrels since Wednesday.
- **Surface Dispersant** – 517,577 gallons of dispersant have been applied on the surface by aircraft. The dispersant is a biodegradable chemical that works like soap by separating the oil into small droplets that can be more easily broken down by natural processes. An additional 258,000 gallons are available for deployment. The Unified Command has three teams of vessels in place to apply dispersant on the surface, weather permitting.
- **In-Situ Burning** – The Unified Command has teams in place prepared to continue in-situ burning, depending on the weather. The in-situ burning is conducted on the surface using special fire-boom that collects surface hydrocarbons which are then burned off.

Onshore - Shoreline Protection and Community Outreach

- **\$25 Million Block Grants to 4 States** – Louisiana, Florida, Mississippi and Alabama have each received a \$25 million block grant. The grants were offered by BP to help local agencies upfront to implement the States’ approved Area Contingency Plans. The Contingency Plans address removal of a worst case spill and are designed to mitigate or prevent a substantial threat to sensitive areas. The money will enable local businesses to immediately support clean-up and recovery efforts. The grant is supplemental to BP’s private claims process, which remains unchanged.
- **Oil Containment and Shoreline Protection** – More than 1,600,000 feet of both sorbent and barrier boom have been deployed or staged to protect sensitive coastal areas. BP is working to procure an additional 3,500,000 feet of boom. Boom is now in place to protect nearly all “Tier 1” shoreline in each of the four states, and teams are now working on “Tier 2” areas.
- **“Vessels of Opportunity” Program** – Nearly 3,200 applications have been approved and approximately 1,150 vessels are active – an increase of 450 since Wednesday. Participating vessels are being organized into 25-boat task force teams to help with a variety of clean-up activities, including transporting supplies, performing wildlife rescue, and towing and deploying booms. To qualify for the program, operators need to meet several key requirements, including attending a four-hour hazardous waste training session, passing a dockside examination by the U.S. Coast Guard, and meeting crewing requirements based on the size of the vessel provided. The contact number for people interested in registering for the program is (281) 366-5511. Information about training can be found on the incident website at www.deepwaterhorizonresponse.com under “volunteers.” For additional information about training call (866) 905-4492.
- **Volunteers and Training** – BP has opened 22 Community Outreach Centers across the Gulf where people can go for more information, to find out about the spill, and to connect with volunteer opportunities. Training ramped up significantly this week, with sessions held at multiple locations across the Gulf. As of today, more than 15,000 volunteers have been trained in five different training modules that range from safety for beach clean-up, to wildlife monitoring, handling of hazardous materials and vessel operation for laying boom. This is an increase of more than 10,000 for the week. Information about training can be found on the incident website at www.deepwaterhorizonresponse.com under “volunteers.”

- **Informing Community Leaders** – The Unified Command is currently holding twice-daily teleconferences with mayors and community leaders across Mississippi, Alabama and Florida to ensure that elected officials have an opportunity to be updated on Command activities and to ask questions. Additionally, BP has deployed local government affairs specialists to respond directly to local governments.
- **Wildlife Activities** – 2 additional reports of impacted wildlife. Wildlife rehabilitation sites are located in Venice, LA and Mobile, AL.
- **Claims for Damages** - BP has opened 12 claims offices to help claimants through the process. Vietnamese and Spanish translators are in some offices. 10,500 claims have been filed and 2,200 of them have been paid--doubling the amount of claims paid since Wednesday. The contact number for claims is (800) 440-0858. Claims office locations are listed below.

Summary of Regional Operations and Outreach	
Louisiana Sites:	Robert – Unified Area Command
	Houma – Incident Command Post
	Pointe A La Hache – Community Outreach Center
	Venice – Community Outreach Center, Staging Area
	Grand Isle – Staging Area
	Port Fourchon – Staging Area
	Cocodrie – Staging Area
	Shell Beach – Staging Area
	Slidell – Staging Area
	Amelia – Staging Area
	Belle Chasse – Claims Office 2766 Belle Chasse Hwy Belle Chasse, LA 70037
	Grand Isle – Claims Office 3811 LA 1 Grand Isle, LA 70358
	Hammond – Claims Office Worley Operations Center 303 Timber Creek Hammond, LA 70404
	Pointe A La Hache – Claims Office 1553 Hwy 15 Pointe A La Hache, LA
St. Bernard – Claims Office 1345 Bayou Rd Saint Bernard, LA 70085	
Venice – Claims Office 41093 Hwy LA 23 Boothville, LA 70038	

- Bringing in additional adjusters to help process claims and working with translators to ensure that Vietnamese and Spanish speaking communities are served.
- Continued work with parish presidents and opening new community outreach centers. Helping communities deal with increased traffic due to media and governmental interest.
- Working with Catholic Charities to assist with immediate community needs of food and clothing.

Mississippi Sites:	Pascagoula – Community Outreach Center, Staging Area
	Biloxi – Community Outreach Center, Staging Area
	Waveland – Community Outreach Center
	Pass Christian – Staging Area
	Biloxi – Claims Office 920 Cedar Lake Rd, Suite K Biloxi, MS 39532

	Pascagoula – Claims Office 5912 Old Mobile Hwy Suite 4 Pascagoula, MS 39563
--	--

- Community outreach centers are now in all three coastal counties.
- Continuing to coordinate training for vessel operators and working through Vessels of Opportunity contracts.
- No oil has been reported in Mississippi state waters.

Alabama Sites:	Mobile – Incident Command Post, Community Outreach Center
	Theodore – Staging Area
	Orange Beach – Staging Area
	Dauphin – Staging Area
	Bayou LaBatre – Claims Office 290 N. Wintzell Avenue Bayou LaBatre, AL 36509
	Foley – Claims Office (Orange Beach/Gulf Shores/Bon Secour) 1506 North McKenzie Street (HWY 59), Suite 104 Foley, AL 36535

- Staffing claims centers with adjusters to process claims.
- Working with Governor's office and non profit organizations to coordinate volunteers and identify volunteer opportunities.
- Collected tarballs on Dauphin Island -- analyzing source.

Florida Sites:	St. Petersburg – Incident Command Post
	Pensacola – Community Outreach Center, Staging Area
	Panama City – Staging Area
	Gulf Breeze – Claims Office 5668 Gulf Breeze Pkwy Unit B-9 Gulf Breeze, FL 32563
	Pensacola – Claims Office 3960 Navy Boulevard Suite 16-17 Pensacola, FL 32507

- Holding townhall meetings with vessel owners and coordinating training for Vessels of Opportunity volunteers.
- Working with counties to engage volunteers in additional beach clean ups.
- Engaged eight Gulf coast counties with outreach coordinators, government affairs specialists, and training providers.

Contact Information	
Environment / Community Hotline – to report oil on the beach or shoreline or other environment or community impacts and access the Rapid Response Team	(866) 448-5816
Wildlife – to report and access care for impacted, i.e. oil wildlife	(866) 557-1401
Volunteers – to request volunteer information	(866) 448-5816
Services – to register as consultant, contractor, vendor, or submit information on alternative response technology, services, products or suggestions	(281) 366-5511
Vessels of Opportunity – to report and register boats available to assist with response	(281) 366-5511
Training – for questions about training requirements, times and locations, and to sign up\	(866) 905-4492 or (866) 647-2338
Ideas to Submit – email suggestions to horizonresponse@piersystem.com	
Investor Relations	(281) 366-3123

Claims	(800) 440-0858
Joint Information Center – Media and governmental inquiries	(985) 902-5231 or (985) 902-5240
Transocean Hotline	(832) 587-8554
MI Swaco Hotline	(888) 318-6765
BP Family – and third-party contractor hotline	(281) 366-5578
Twitter: Oil_Spill_2010	
Facebook: Deepwater Horizon Response	
Joint Incident Command website: www.deepwaterhorizonresponse.com	

Duncan, Jeff

From: Goo, Michael
Sent: Wednesday, May 12, 2010 8:40 AM
To: Duncan, Jeff
Subject: FW: Some docs from the BP production
Attachments: BP-What We Know.pdf

fyi--this is a pretty interesting document I have told them we will not release per their instructions until after the hearing

From: Fuchs, Meredith
Sent: Tue 5/11/2010 11:49 PM
To: Goo, Michael; Leviss, David; Gray, Morgan
Subject: RE: Some docs from the BP production

Michael-

I don't know about the slide deck – we also heard about something like that but never saw it. We have this other document, which I think is the one you are referring to. I am attaching it, but ask that it not be released before the hearing. Mr. Waxman will refer to it in his opening and we have designed some question lines that relate to this document. It has a lot of interesting stuff in it. Also, Morgan, Ali is going to check with you, but if you plan to refer to any documents in Mr. Markey's opening, please let us know soon so we can get them ready for the hearing.

Meredith <<BP-What We Know.pdf>>

From: Goo, Michael
Sent: Tuesday, May 11, 2010 7:46 PM
To: Fuchs, Meredith; Leviss, David; Gray, Morgan
Subject: Some docs from the BP production

I know you guys are really busy, but there are a couple of docs that I think Mr. Markey would like to see before the hearing tomorrow.

First was there a slide deck that was used to make a presentation to Secretary Salazar? That would be great to see.

Then also are there any documents that discuss possible scenarios for the accident? In particular is there any simplified version of such a document that specifies likely scenarios for the accident?

If you guys can put your fingers on such documents quickly I would really appreciate it.

I know you guys have discussed with Morgan possible lines of questions and we are working on our assigned role, so I think things should go well tomorrow.

Thanks for all the good work you are doing.