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1 FORUM ON OFFSHORE DRILLING  
2 OIL SPILL PREPAREDNESS AND RESPONSE IN THE GULF

3 Location  
4 Biloxi, Mississippi  
5 Mississippi Gulf Coast Coliseum

6 Date  
7 Friday, September 10th

8 Time  
9 9:00 a.m.

10 Transcript  
11 Pages 1- , inclusive

12 BUREAU OF OCEAN ENERGY MANAGEMENT, REGULATION AND  
13 ENFORCEMENT --  
14 Michael R. Bromwich, Director  
15 Lars Herbst  
16 William Hauser

17 PANEL I

18 Gary Rook: Technical Director, Edison Chouest Offshore  
19 John Dane: President and CEO, Trinity Yachts  
20 Jim Adams: President, Offshore Marine Service  
21 Association  
22 Donald W. Davis: Former Administrator, Louisiana  
23 Applied and Educational Oil Spill  
24 Research and Development Program.  
25 Kevin Costner: Co-Founder, Ocean Therapy Solutions and  
Blue Planet Solutions.

PANEL II

Gene Taylor: U.S. Congressman  
Connie Moran: Mayor of the City of Ocean Springs  
Connie Rockco: Harrison County Board of Supervisors,  
District 5  
Michael Mangum: Jackson County Supervisor

Reported by: Lisa Hood Brown, CSR

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1 P R O C E E D I N G S

2 DIRECTOR BROMWICH: Good morning, everybody.  
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3 It's good to be here. We're here in Biloxi,  
4 Mississippi today to conduct the seventh of our  
5 eight public forums on offshore drilling. We  
6 started this series of forums in early August in  
7 New Orleans. Since then we've been in Mobile,  
8 Alabama; Pensacola, Florida; Santa Barbara,  
9 California; Anchorage, Alaska; and Houston, Texas.

10 The purpose of these forums is to gather  
11 information on three critical issues that relate  
12 to the moratorium on deepwater drilling that was  
13 imposed by Secretary Ken Salazar on July 12th,  
14 2010. The basis of the moratorium were concerns  
15 about three sets of related issues, the first  
16 being drilling and workplace safety; the second  
17 being spill containment; and the third being oil  
18 spill response. Today's forum will focus  
19 primarily on oil spill preparedness and response,  
20 although we will -- we will stray into other  
21 related issues as well, I'm sure.

22 The format today will be similar to the  
23 format that we followed in our other forums. We  
24 will have panels of distinguished presenters. And  
25 today we will have the first panel whose members

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1 are on stage right now. We'll then take a break  
2 and we'll have a second panel composed of elected  
3 officials from the local area, mayors,  
4 congressmen, and so forth. The format will be I  
5 will give a very brief presentation just framing  
6 the general issues. I'll then turn it over to the  
7 presenters. They will each give their

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8 presentations in turn. We will then ask questions  
9 on this side of the table to the presenters, and  
10 we'll go from there. So why don't we go ahead and  
11 start.

12 As I said, the purpose of the forums is to  
13 focus on the issues that relate to the current  
14 deepwater drilling moratorium. On July 7th,  
15 Secretary Salazar asked me to hold these forums in  
16 order to collect a combination of expert and  
17 public input on the three issues that I mentioned  
18 before; that is, drilling and workplace safety;  
19 wild well intervention and spill respon- -- and  
20 spill containment; and finally, last but not  
21 least, oil spill response capabilities for both  
22 offshore drilling and production.

23 The central purpose of these forums has  
24 remained the same since we started about a month  
25 and a half ago, and that is to determine whether

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1 there is sufficient evidence to modify in any way  
2 the scope or the duration of the deepwater  
3 drilling moratorium that is currently in effect  
4 until November 30th. We're interested in  
5 hearing from you. We have a method, both through  
6 cards outside but also through submitting comments  
7 to our website, which is listed on this slide. We  
8 have received quite a few comments online and we  
9 look forward to receiving more in the future.

10 The importance of deepwater drilling, I  
11 think, is known to all of us. There are literally  
12 tens of thousands of workers who are employed in

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13 the Gulf of Mexico in the offshore oil and gas  
14 industry. We all know that domestic energy  
15 production is central to the health of the  
16 economy, to this nation's energy independence, and  
17 also to our national security. The Gulf of Mexico  
18 alone accounts for approximately 30 percent of  
19 domestic oil production and approximately  
20 12 percent of domestic natural gas production.

21 The Deepwater Horizon explosion and the  
22 related tragedy has underscored like no event  
23 before the importance of drilling safety and  
24 effective oil spill response and has focused all  
25 of us on the questions of the risks involved.

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1 Deepwater spills have a potentially devastating  
2 effect on a wide range of industries and personnel  
3 including fishing and shrimping, tourism,  
4 wildlife, the ocean and coastal environments, as  
5 well as a broad range of local communities. The  
6 only way to minimize the harm once an oil spill  
7 actually occurs is through a rapid and effective  
8 oil spill response, which is the primary issue  
9 that we're going to be addressing today.

10 Again, just by way of background, we're all  
11 by now all too familiar with the terrible tragedy  
12 that took the lives of eleven rig workers who died  
13 when the Macondo well it blew out and exploded on  
14 April 20th of this year. That spill has had a  
15 dramatic effect on the ocean and the coastal  
16 environments throughout the Gulf of Mexico.  
17 Literally hundreds of miles of shoreline and

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18 wetlands in the Gulf have been affected by the  
19 deepwater spill and in, so far, untold ways.

20 The Gulf ecosystem will be affected by --  
21 affected including marine plankton, fish and  
22 shellfish, birds, marine mammals, and other  
23 wildlife. As I mentioned, the spill has also had  
24 a major impact on the economy in the Gulf,  
25 including the fishing, shrimping, tourism,

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1 commercial retail and other industries throughout  
2 this region.

3 Let me focus for a couple of minutes on some  
4 of the resources that have been deployed in the  
5 Deepwater Horizon clean-up effort. Spill response  
6 resources really from across the nation were  
7 mobilized for the cleanup of the Deepwater Horizon  
8 spill. That included, among many other things,  
9 literally tens of thousands of people, millions of  
10 feet of boom, thousands of vessels, and  
11 approximately one hundred helicopters and  
12 aircraft.

13 It is unfortunately acknowledged that our  
14 current oil spill response plans are inadequate.  
15 Industry representatives have acknowledged, both  
16 publicly and to those of us in the Department of  
17 Interior, that they have not been well equipped to  
18 handle worst-case scenarios.

19 Industry regional response planned --  
20 regional response plans proved thoroughly  
21 inadequate to address the Deepwater Horizon spill.  
22 Among other things, they overestimated the daily

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23 recovery capacity of skimming systems in the open  
24 ocean; they failed to account for the spreading of  
25 oil and the significant shoreline impact; and

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1 their plans failed to provide for the necessary  
2 rapid mobilization of equipment from both domestic  
3 and international sources.

4 Let's focus on that inadequacy, the  
5 inadequacy of oil spill response resources. There  
6 was an unprecedented deployment of resources to  
7 the Deepwater Horizon site and the regional  
8 shorelines. But among other things, that raised  
9 questions about the industry's ability to respond  
10 should a second deepwater spill have occurred.  
11 Thankfully, it did not, but that was the great  
12 fear that many of us in the Department and many  
13 members of the public had at that time.

14 Industry executives testified before Congress  
15 that they had, in fact, deployed all available  
16 resources to respond to the Deepwater Horizon  
17 spill so that, in fact, there was nothing left.  
18 And in a June 28th, 2010 meeting at the  
19 Department of Interior, industry was unable to  
20 provide assurances to us that sufficient resources  
21 existed to address a second oil spill, had that  
22 occurred, while the response to the Deepwater  
23 Horizon spill was ongoing.

24 The Coast Guard determined that the number of  
25 oil skimming vessels was inadequate to recover the

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1 oil released from the spill. And, accordingly,  
2 the Coast Guard and EPA amended their oil spill  
3 response requirements to allow various commercial  
4 and military vessels normally required to be  
5 available for spills in other regions of the  
6 country to be deploy -- to be deployed to the  
7 Deepwater Horizon site.

8 NOAA stated that it was fully engaged in  
9 responding to the Deepwater Horizon spill and that  
10 it would have had grave difficulties in responding  
11 if another spill had occurred simultaneously in  
12 any other U.S. location.

13 In addition, as we found, there are weather-  
14 related complications that make oil spill response  
15 that much more difficult. Clean-up operations  
16 during hurricane season are subject to various  
17 weather-related complications, difficulties, and  
18 delays. Among others, the response crews cannot  
19 conduct skimming or controlled burn operations  
20 when seas are in turmoil. There are increased  
21 wave heights that may cause boom to break apart  
22 and, therefore, be ineffective in some areas. And  
23 in addition, storm surges may distribute oil over  
24 a wider geographic area and carry the oil into the  
25 coastline and inland. Although Tropical Storm

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1 Alex took a path away from the Macondo site, ocean  
2 conditions generated by the storm required all 510

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3 skimmers responding to the Deepwater Horizon spill  
4 to return to shore.

5 In short, industry must develop more  
6 effective oil spill response techniques, and that  
7 is what we're here to discuss today.

8 I'm Michael Bromwich. I'm the Director of  
9 the Bureau Ocean Energy Management, Regulation and  
10 Enforcement. And with me today, before I  
11 introduce our presenters, are two distinguished  
12 members of our agency.

13 Sitting to my immediate left is Lars Herbst.  
14 Lars is the Regional Director of the agency's Gulf  
15 of Mexico region. He is a petroleum engineer by  
16 training and has led the Gulf region of our agency  
17 since 2007. He served in various positions with  
18 the region's field operations since 1983.

19 Sitting to Lars' left is Bill Hauser. Bill  
20 is the Chief of the Rules and Standards branch of  
21 our agency. He served in headquarters capacity  
22 for approximately 20 years. Earlier in his  
23 career, Bill served as a petroleum engineer in the  
24 Alaska region.

25 Let me introduce our first panel. Starting

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1 closest to my left is Gary Rook. Gary is the  
2 technical director for Edison Chouest Offshore.  
3 He is actively engaged in working directly with  
4 both the American Bureau of Shipping and the Coast  
5 Guard in the development of new rules and  
6 regulations for U.S. flagged offshore support  
7 vessels, including oil spill response vessels. He

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8 has designed and supervised the construction of  
9 the largest oil spill response vessel currently in  
10 the U.S. fleet, the MV NANUQ. He was also  
11 responsible for the major conversion of two  
12 platform supply vessels as high-efficiency  
13 skimming vessels for the Deepwater Horizon spill  
14 response. Gary's presentation will focus  
15 importantly on the lessons learned from the  
16 Deepwater Horizon response effort.

17 Sitting to Gary's left is John Dane, III.  
18 John is president and CEO of Trinity Yachts and  
19 Trinity Offshore, which is based in Gulfport,  
20 Mississippi, with additional operations in New  
21 Orleans, Louisiana. John has had a 36-six-year  
22 shipbuilding career in which he's had experience  
23 building yachts, commercial vessels, barges,  
24 patrol craft and, most relevant to this panel  
25 discussion, skimmer vessels ranging from 30 feet

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1 to the largest at 208 feet. John is also  
2 currently the majority owner of United States  
3 Marine, Inc., a company that builds high-tech  
4 patrol boats for the U.S. Navy and other navies  
5 around the world.

6 Sitting to John Dane's left is Jim Adams.  
7 Jim is the Interim President and CEO of the  
8 Offshore Marine Service Association. Jim's been  
9 involved in transportation public policy for more  
10 than 20 year. During his career, he has been a  
11 Coast Guard officer, a congressional staffer, and  
12 a barge line and railroad public affairs

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13 executive. He has considerable experience in oil  
14 spill response having served as the public affairs  
15 officer in the unified command during the 2008  
16 Mississippi River spill in New Orleans.

17 Sitting to Jim's left is Donald Davis. Dr.  
18 Davis is a geographer and former member of the  
19 research faculty at Nichols State University and  
20 LSU. While at LSU, Dr. Davis worked in the Center  
21 for Coastal Energy and Environment Resources for  
22 three years. In 1993, he became the administrator  
23 for the state's oil spill research and development  
24 program. Dr. Davis has written or coauthored  
25 numerous papers on Louisiana's wetlands. His

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1 presentation will focus on the people involved in  
2 the economic transformation of Louisiana's  
3 near-sea-level marshes and swamps and the growth  
4 and development of the state's oil spill program.

5 Sitting to Dr. Davis' left is Kevin Costner.  
6 Kevin is an internationally recognized and  
7 accomplished actor, director, producer, and  
8 musician. For the past seventeen years, he's  
9 focused his energy and his assets on developing  
10 and making a commercially applicable oil water  
11 separator that is based on patented technology he  
12 originally acquired from the Department of Energy  
13 that has now been developed into a  
14 state-of-the-art oil spill clean-up technology.  
15 Recently this technology was deployed in the Gulf  
16 of Mexico clean-up efforts for the Deepwater  
17 Horizon spill. Mr. Costner is here today to talk

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18 about lessons learned in the Gulf and to talk more  
19 specifically about oil spill response.

20 So we have, as you can hear, a very qualified  
21 and distinguished panel of presenters. The format  
22 will be that each one will give their  
23 presentation. We won't ask any questions until  
24 the last presenter has concluded, and then  
25 Mr. Herbst, Mr. Hauser, and I will ask some

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1 questions of each of the panelists. So, thank you  
2 very much and we'll move right to our first  
3 presenter. Gary.

4 MR. ROOK: Thank you, Director. Ladies and  
5 gentlemen, as the Director stated, my name is Gary  
6 Rook and I'm the technical director for the Edison  
7 Chouest Offshore group of companies. We represent  
8 many phases of the shipbuilding and marine  
9 industry, ship design, vessel operations. Today  
10 I'd like to present to you what we feel we've  
11 learned from the Horizon incident and what we feel  
12 the challenges to go forward in deepwater  
13 drilling.

14 We see three primary areas: Better well  
15 construction planning, execution of those plans,  
16 verification and approvals of those plans; a rapid  
17 response containment system; and rapid response  
18 deepwater oil recovery assets, which is what we'll  
19 focus on today.

20 Just a quick about ECO. We were very  
21 involved in Horizon. We were first responders on  
22 scene within an hour assisting in search and

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23 rescue, firefighting efforts, also with ROVs. Our  
24 ROVs, our remotely operated vehicles, were the  
25 first ones that you saw at the blowout preventer

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1 on the TV and on the Internet screens. They were  
2 flying off of ECO vessels and they're ECO ROVs.

3 Again, firefighting -- and I just want to  
4 point out here that we're not trying to put the  
5 fire out. We know we can't do that. We're trying  
6 to cool the structure so it stays afloat longer.  
7 We're one of the several companies now being sued  
8 because we put water on the rig and it sank,  
9 eventually. But, again, we're trying to keep it  
10 cool so it stays up longer. Another note here,  
11 really, there are no requirements for firefighting  
12 vessels on in the Gulf of Mexico on any -- any  
13 vessels.

14 DIRECTOR BROMWICH: Gary, I know from  
15 firsthand experience you can't do a good deed  
16 without getting sued, so I completely understand.

17 MR. ROOK: Yes. We also were involved in  
18 spill response as the director said earlier. We  
19 converted two PSVs with high-efficiency skimmers  
20 and booms for this process.

21 Just some other things. We were involved in  
22 Top Hat, Jump Shot, Top Kill. All of the  
23 different activities of this particular problem  
24 were -- a lot of them working off our vessels.  
25 We'll also be doing the Bottom Kill when it comes

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1 around.

2 Challenges, there are some major ones. We  
3 need to have rapid response to spill. It needs to  
4 really be immediate. We need to be able to skim  
5 24 hours a day, not 12. Skimming needs to  
6 continue in bad weather, as you mentioned earlier.  
7 We need a higher capacity of storage for recovered  
8 oil offshore in the skimming vessels, and we need  
9 to be able to have better configurations and  
10 control of those configurations to be able to  
11 achieve a maximum encounter rate with the oil.

12 If you take a look here, this is from day two  
13 or three. You see there's already a significant  
14 amount of oil in the water. You can see it here.  
15 You can already see it. We're still fighting the  
16 fire, but there's oil already in the water.

17 We had two short periods where the activities  
18 were stopped due to rough weather, but other than  
19 that, we were flat calm for this. We were really  
20 lucky. That's not going to be the case in the  
21 future and we all know it, so we have to be able  
22 to get out there and skim oil in rough weather.  
23 This means better equipment, better SRVs.

24 This is a picture of a vessel of opportunity  
25 and booms that were provided for that. As you can

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1 see, it's got a very narrow swath width, which is  
2 the opening of the boom to the oil. Also, there's  
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3 a lot of entrained oil going under the boom. You  
4 can see behind it here that there's a lot of oil  
5 going underneath. This boom is not very  
6 effective. Even in calm water, a lot of oil is  
7 getting by it.

8 Deepwater Horizon, we were limited to  
9 daylight. Sun goes down, skimming stopped. That  
10 was what the command want. We've got to be able  
11 to skim all day. Twenty-four hours in a day. We  
12 need twenty-four hours to pick up oil.

13 This is part of the current fleet. These are  
14 the MSRC vessels. And I point out that these  
15 vessels are as big as they can get under current  
16 rules. Nothing wrong with these vessels. They're  
17 fine vessels. They can hold 4000 barrels of oil,  
18 but they're designed specifically for a near-shore  
19 situation based on VALDEZ where you had a finite  
20 amount of oil in a specific location in a rather  
21 sheltered place. We're deep ocean, all open. We  
22 need bigger vessels, more capable, more -- more  
23 capacity.

24 This is a picture of one of the vessels that  
25 we did convert. As you can see, we added 6000

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1 barrels of storage above deck, another 12,000  
2 barrels below deck, but we didn't have time to  
3 convert that because of time, really. We have a  
4 high-efficiency skimmer and boom added. We had  
5 oil/water separator units added as well to make  
6 sure that we're storing oil and not oily water  
7 when we pick it up.



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13 up of 1750 feet of swath width, so that means that  
14 there -- for the six configurations for fourteen  
15 vessels, they're covering 1750 feet of ocean to  
16 pick up the oil.

17 I've noted the direction of the skim in  
18 arrows. You can see there's no real control over  
19 it. They're just going pretty much where they  
20 want to go and they're not even in the area of the  
21 most oil, which is right here.

22 This is a J configuration. It consists of a  
23 high-capacity boom boat here, high-capacity  
24 skimmer in the apex of the configur- -- J  
25 configuration with the boom here and boom boat up

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1 here. This is a proven configuration that works  
2 in Europe. And you add in front of that a U,  
3 which is two more -- let me go back. Here you add  
4 a U in front, which is a single boom from two  
5 boats connected with a chain in the middle  
6 essentially forming a funnel. This allows you to  
7 cover 2300 feet.

8 Now, if you take those, put of them side by  
9 side and put it over a mile and a half of ocean,  
10 we can do some good there. We're going in the  
11 right direction, recovering the oil. Everybody is  
12 working in concert with each other. We've got  
13 4600 feet of coverage, 2.6 times the swath width  
14 of the others, with six less vessels.

15 This picture doesn't have anything to do with  
16 Horizon, but it's a North Sea situation. You can  
17 see there's a pretty serious leak coming from the

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18 rig and you've got a skimmer also with a modified  
19 J boom configuration downcurrent of the rig. It  
20 allows you -- they're picking up the oil right off  
21 the rig.

22 Now, just for giggles, I took that and I put  
23 that on my picture of the Horizon burning in the  
24 flow of oil which is coming this way in the  
25 current. You can see one configuration, two

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1 configurations, and one behind. This covers --  
2 more than covers all the oil coming off of that  
3 thing.

4 Now, I'm no so stupid to think we're going to  
5 get all the oil, but we're going to get a lot of  
6 it right there, all right. And what's entrained  
7 and comes underneath this, we've got another one  
8 behind. Now, what this means is you've got to  
9 have the boats out there immediately and ready to  
10 go.

11 Another thing is to bring deepwa- -- dynamic  
12 positioning technology into this. You need to be  
13 able to control the positions of the boats with  
14 DP. Every one of these boats we're proposing has  
15 DP. The skimmer vessel would position each one of  
16 the vessels in the configuration based on LIDAR  
17 scans, which is a reading from the boats. The DP  
18 controller off the skimmer vessel would position  
19 every boat in the proper position so it remains in  
20 configuration.

21 This is some examples of heavy weather booms  
22 that are in existence today and can be used.

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23 These booms are effective up to thirteen meters of  
24 significant wave height. Now, that don't mean  
25 they're going to be as good, but they can do it up

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1 to twenty-six maximum.

2 Here are some points that we think should  
3 define an open ocean skimmer -- skimmer. I'm not  
4 going to go into each one. To summarize them,  
5 high storage capacity. Separators to ensure that  
6 oil, not oily water, is stored. High-efficiency  
7 skimmers and booms. Slow speed capability to tow  
8 the booms, which will require CP props or a  
9 variable frequency drive. Three booms carried on  
10 one of these vessels; one for a J configuration,  
11 which the skimmer will be a part of; and then two  
12 to hand off for vessels of opportunity to make the  
13 U. Oil sensing radar to find the oil, IR or  
14 laser-based device, so you can determine the  
15 thickness of oil in the configuration. UV search  
16 lights so you can see the oil at night.

17 This is an example of a vessel like this.  
18 This is a similar vessel to what you saw in the  
19 picture of a conversion earlier, basically, with  
20 all of this equipment that I just mentioned  
21 installed, as well storage and below-deck tanks  
22 here for up to 15,000 barrels of oil. In our  
23 fleet, there's over thirty of these that could be  
24 converted. I'm not doing that as a sales pitch  
25 for us. I'm just saying the vessels are there.

1 There are a lot of other vessels out there that  
2 other operators have that are similar to these.  
3 Six to eight weeks to do a conversion such as  
4 this.

5 A couple of areas where I think that the  
6 government can help us. Obviously, we need new  
7 rules for OSRVs, and I just point out that ABS has  
8 a new set of rules they're doing right now that's  
9 a good a guide for us to go by. And this part is  
10 very important. The Coast Guard and Congress have  
11 to revise regulations, policies, and statutes that  
12 limits the size of U.S. flag OSRVs. We need to  
13 get equal to the rest of the world.

14 Here's some North Sea spill standby vessels.  
15 These are all very capable and very large vessels.  
16 They're configured for standby. As well as spill  
17 -- they do lifesaving rescue as well as spill  
18 response.

19 This is the NANUQ, as the Director mentioned  
20 earlier. It's an example of a type of vessel  
21 that's needed. It's a 300-foot, state-of-the-art  
22 combination OSRV built in 2007. Gross tonnage of  
23 this vessel is 3575 tons, 12,000-barrel capacity,  
24 fully complies with all ABS and Coast Guard  
25 requirements for a Class 1 OSRV. Here's a picture

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1 of the NANUQ in Alaska. Here's a picture of the  
2 NANUQ doing spill response training in Alaska.

3 Summarizing. Even though designed, approved,  
4 built, inspected and tested and delivered as a  
5 Class I OSRV by both ABS and Coast Guard, NANUQ  
6 has the following restrictions placed on its COI  
7 by the Coast Guard. In Alaska, they must request  
8 a letter from the Coast Guard as a vessel of  
9 opportunity before skimming oil, and other than  
10 Alaska, we have to go to headquarters for that.

11 So, in summary, the NANUQ, even though the  
12 largest and most capable OSRV in the U.S. fleet,  
13 currently is restricted by the Coast Guard to an  
14 operational authority equal to this vessel.

15 why? well, summarizing, again, OSRVs must be  
16 certified. Current policy and law states that to  
17 be a dual service OSRV, you must be less than  
18 500 tons. NANUQ, which is greater than 500 tons,  
19 has got to request a vessel of opportunity just  
20 like a shrimp boat. We first asked for a laxation  
21 of this in 2007; no action by the Coast Guard.  
22 Again, asked for it in 2009. This was the  
23 response from the Coast Guard, and I'm going to  
24 read this directly.

25 "The Coast Guard remains concerned about the

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1 proposal's impact on the dedicated fleet of oil  
2 spill response vessels and, by extension, the  
3 Nation's overall oil spill response capability --  
4 capacity.

5 Specifically, the Coast Guard is concerned  
6 that the enactment of this provision could  
7 irreparably diminish that capacity in the Gulf.

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8 while there's little appreciable effect on  
9 safety and environmental protection, altering the  
10 status quo enabl- -- enabling current OSVs to  
11 compete against dedicated OSRVs would likely have  
12 a detrimental effect on the Nation's oil spill  
13 response capacity."

14 well, they said that. I think they were  
15 wrong, and I think it needs to be fixed. And,  
16 Director Bromwich, I'm going to ask you today to  
17 help us with this because we're hitting our heads  
18 against the wall, and we need the help of your  
19 agency to get this taken care of.

20 Everybody knows that Deepwater Horizon showed  
21 that the regulations of our U.S. flag spill  
22 response fleet is not where it needs to be. We  
23 need new regulations. ABS is currently revising  
24 theirs, as I mentioned earlier. We know how long  
25 it takes to get Federal stuff done, so any new

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1 regulations coming out of the Coast Guard are  
2 going to be several years at the best. We  
3 recommend that we should be able to use the new  
4 ABS rules, which are going to be ready at the end  
5 of this year, for any future buil- -- new building  
6 of OSRVs or conversions of OSRVs until the Coast  
7 Guard finishes theirs.

8 In closing, I think we can all agree that  
9 neither industry or government handled the Horizon  
10 incident effectively. We think the future is --  
11 is much wider. The government, the authorities  
12 are committed to elevated levels of controls and

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13 oversight for deepwater drilling. The drilling  
14 industry has committed a billion dollars through  
15 their newly-formed Marine Well Containment Company  
16 to develop a viable containment system to be  
17 effective to 10,000 feet of depth and contain  
18 100,000 barrels a day.

19 The vessels that are ready now to convert  
20 that can perform the spill response duties that we  
21 discussed earlier, the conversions being about two  
22 months per vessel. Increased levels of safety by  
23 the drilling company reduces the possibility of  
24 blowout, but if one should occur, the new  
25 containment technology and improved spill response

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1 vessels and techniques will minimize any impacts  
2 that the discharge of oil will have on the ecology  
3 of the region. Thanks.

4 DIRECTOR BROMWICH: Great. Thank you very  
5 much, Gary. Appreciate it. John Dane.

6 MR. DANE: Where do I point that?

7 DIRECTOR BROMWICH: It's in the process of  
8 loading. It'll be up there in just a second.

9 MR. DANE: Well, thank you. I appreciate the  
10 opportunity to speak to this forum and to follow  
11 Gary. Gary's touched mostly on the deepwater  
12 side. That fits in well with where Trinity's  
13 interest is and our experience recently, and  
14 that's on the shallow water clean-up spill area.

15 The Director spoke already about the  
16 inadequacies. One was overestimated capacity,  
17 failed to account for the spreading oil on the

9-10-10

18 shoreline, failure to provide the rapid  
19 mobilization, and the fact that the industry is  
20 incapable of handling a second spill, and lastly  
21 the Coast Guard determined the number of skimming  
22 vessels was inadequate. I've taken these from  
23 your prior presentation, Director.

24 DIRECTOR BROMWICH: They got to be right  
25 then.

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1 MR. DANE: Right. What we see the following  
2 improvements need, one is, as you said, to develop  
3 the rapid and effective oil response plan. We see  
4 a few things that could help that. One is to have  
5 these high -- have multiple fleets of highly  
6 mobile skimming vessels available on a short  
7 notice, on standby. What was shown also was to  
8 increase the number of deep water recovery  
9 vessels, and this is what Gary talked about.  
10 There's really not that number of boats in the  
11 United States to do that. And then design and  
12 build vessels that now, once they pick it up, they  
13 can process it offshore so they're just not  
14 bringing in mostly water and just a little bit of  
15 the oil; then, design new boats and increase the  
16 fleet that can operate coastal in three to four  
17 feet of water; and then the shallow water vessels  
18 in one to two feet. They're all different classes  
19 of vessels to chase and try and clean up the oil.

20 The other thing Gary spoke about is rely less  
21 on the vessels of opportunity. They're like  
22 putting a Band-Aid on the situation and really

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23 don't do a lot of good. And increasing the  
24 skimming time, reduce the transit time, and reduce  
25 the offloading time. Just get higher, more

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1 efficient boats that can work at night, et cetera,  
2 as Gary spoke, and continue to develop new  
3 technologies for these spills.

4 what's that? I'm sorry. Yeah, okay. There  
5 you go.

6 People wonder what's Trinity's experience in  
7 this and why am I up here on this panel. Well,  
8 since 1977 we built our first skimmers for Pemex.  
9 We built an 80-foot -- eight 30-foot Oil Mop  
10 skimmers in 1977. I don't know why the pictures  
11 aren't coming up.

12 MR. ROOK: You've got to point it at it.

13 MR. DANE: Oh, point it at it. I mean, it's  
14 moving.

15 But, we built a 50-foot aluminum catamaran  
16 skimmer in 88; a 65-foot coastal recovery vessels  
17 in '92, and we built 12 of those big 208-foot MSRC  
18 skimmers that you saw, the blue boats in a lot of  
19 Gary's pictures. In the last hundred days since  
20 this spill, we built 11 of the 30-foot  
21 Marco/Kvichak fast response skimmers. We built  
22 five 35-foot shuttle work barges. We built three  
23 249-barrel recovered oil mini-barges. We built  
24 one 156-foot prototype very shallow multi-system  
25 skimmer vessel. All total we've got -- we built

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1 44 vessels of eight different designs in our  
2 history.

3 Here are the pictures now. You can see the  
4 variety of boats. There's so many different ways  
5 to try and clean up oil. I mean, this is one that  
6 could be coast-wise where it can operate in three-  
7 to four-foot seas, yet still shallow water. This  
8 is the big MSRC boat. These are the rapid  
9 response skimmers, the Marco design, that the  
10 state bought five of, and we built a number of  
11 these for BP for this spill.

12 This is our 35-foot new design that we built  
13 seven of. This is the recovered oil barge, so  
14 when you go out and the small boats pick up oil,  
15 they put them in these shallow water barges  
16 because these small boats can only carry a  
17 thousand or 2000 gallons of fuel, and these are  
18 249-barrel barges. You ask why 249; because  
19 there's a Federal law that if it's 250, you need a  
20 tanker man on, which drives the cost up, so  
21 everyone stays just under that limit. This is our  
22 new 56-foot prototype that's capable of storing  
23 238 barrels of oil. And it's still going 25 miles  
24 an hour and work in shallow water.

25 So what we think -- we've developed what we

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1 think is a good shallow water clean-up plan, and  
2 it includes multiple vessels. And what we believe  
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3 the optimum fleet, just as Gary was showing what  
4 he would do in deepwater, we think that if we had  
5 this shallow water skimmer task force, each one  
6 would have two of these 249-barrel barges. They  
7 would be anchored there waiting to receive oil as  
8 it's picked up. We'd have two of these 35-foot  
9 shuttle work barges which can also skim. So they  
10 would be putting booms out. They would be  
11 shuttling crew back and forth. They also could  
12 put a bow skimmer or a side skimmer on them and  
13 pick up up to 1300 gallons of recovered fluid,  
14 take them over to the 249-barrel barge as part of  
15 the operation.

16 The third part would be the -- one of the  
17 56-footers, which also stores oil, but can go very  
18 quickly to the site. On this one, we have a  
19 design for a multi-system skimmer. It's got a bow  
20 skimmer conveyor. It's got side floating  
21 skimmers. We've also designed them with  
22 excavators and vacuum system, and we've even done  
23 some with the Costner centrifuge we've done some  
24 designs on.

25 And the last part of this fleet would be then

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1 offshore where it's a little deeper, we'd have a  
2 5000-barrel fuel barge or oil barge which would  
3 have the centrifuges on it also to treat it.

4 This is a picture of the 56-foot, very  
5 shallow multi-system skimmer. You can see on the  
6 bow where it's got a conveyor that's a typical for  
7 the small boats to -- one way to pick up oil. On  
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8 the side, you see it's got a floating skimmer, a  
9 weir skimmer, which is very similar to what even  
10 the big boats put inside those booms to pick up  
11 oil. This boat, after we met with Billy Tozan  
12 (phonetic) in Louisiana and he talked about what  
13 he'd need to do in the shallow water marsh, he  
14 said, At some point, we've just got to go pick it  
15 up, so we've even got an excavator you can see on  
16 the bow there to handle picking up the gunk and  
17 gook that forms in some of these things.

18 Another system we've talked about was the  
19 vacuum system where you can go vacuum up some of  
20 this oil in the marsh. A lot of this -- again,  
21 this is all for shallow water operation. This is  
22 a third option for our shallow water where we  
23 actually go pin two more barges to this 56-footer  
24 so that when we've got the 238 barrels of oil on  
25 there, the total unit only draws 18 inches of

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1 water, so we can go in very, very shallow water  
2 and recover oil.

3 Again, you know, it all gets down to these  
4 are great ideas we've all got. What are the  
5 possible funding sources. The name of the game is  
6 who's going to pay for this. One, obviously, what  
7 we all know is the Marine Well Containment  
8 Company, which is made up of Chevron,  
9 Conoco, Phillips, Exxon, Mobil, Shell, they're  
10 funding a billion dollars' worth of equipment.  
11 They've got their list. I'm not sure where  
12 shallow water -- how much is involved in that.

9-10-10

13           The second method is the expansion by  
14 existing cooperative groups that are out there  
15 right now that are funded by the -- all the oil  
16 companies. The third is an expansion by existing  
17 spill response companies that are just  
18 independent. A fourth could be new entities  
19 entering the market depending on what Federal  
20 regulations happen.

21           The third is to pass some legislation such as  
22 -- which has been recently proposed to increase  
23 the tax on imported oil from eight cents to  
24 thirty-four cents to fund the Oil Spill Liability  
25 Trust Fund, which has -- but unfortunately that

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1           was recently stripped out of a bill that had  
2 passed through Congress; and lastly, Federal  
3 stimulus funds.

4           we're talking a lot of shipbuilding jobs if  
5 we -- if we get a directive to -- the industry  
6 needs certain amounts of vessels and capabilities,  
7 both deepwater, coastal and shallow water, that I  
8 would tell you we would certainly appreciate all  
9 the jobs down here in the South in the area that's  
10 been impacted by this oil spill. Thank you.

11           DIRECTOR BROMWICH: Thank you very much.  
12 Jim.

13           MR. ADAMS: Thank you, Director Bromwich, Mr.  
14 Dane, Mr. Rook. I follow two OMSA members, so  
15 it's a pleasure. My name is Jim Adams and I'm  
16 Interim President of the Offshore Marine Service  
17 Association. Just wait for this to come up.

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18 OMSA is the national trade association of  
19 U.S. flag vessels that support our offshore energy  
20 sector. Our skilled crews and vessels are the  
21 lifeline between the offshore rigs and the  
22 mainland. Our vessels deliver personnel,  
23 supplies, and the latest deepwater technology.  
24 Our shipyards build and design -- build and design  
25 vessels known for their technological innovation.

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1 Although vessels of opportunity, OMSA members  
2 were the backbone of the Macondo spill response.  
3 OMSA members delivered booms, skimmed oil, applied  
4 deep-sea dispersants, and operated the ROVs that  
5 brought live video feeds of the wellhead. Our  
6 vessels were the first on scene, and they very  
7 likely will be the last to leave.

8 Backed up here. Sorry about that.

9 Our industry serves the oil and drilling  
10 companies that BOEM -- that BOEM regulates. OMSA  
11 vessels and our personnel are regulated by the  
12 Coast Guard, but we depend on BOEM's regulation of  
13 our customers. We recognize the entire offshore  
14 energy industry must be much better prepared with  
15 response planning, spill training, drills, and  
16 improved recovery technology. OMSA is committed  
17 to working together to enhance public safety and  
18 restore public confidence in the offshore  
19 industry.

20 On April 22nd, the DAMON B. BANKSTON's crew  
21 rescued 115 survivors from the BP Offshore  
22 Horizon. The DAMON is owned by one of our leading

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23 members, Trinity -- excuse me -- Tidewater Marine.  
24 From the start, OMSA members deployed the  
25 human expertise to engineer, source, and mobilize

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1 surface and subsea response solutions. During the  
2 response, OMSA members mobilized more than 500,000  
3 barrels of tank barge capacity for spill recovery.  
4 While we are most often deemed vessels of  
5 opportunity, OMSA members' equipment was often  
6 larger and more capable than the vessels deployed  
7 by dedicated oil spill response companies.

8 Our vessels safely deployed boom, sprayed  
9 dispersants, skimmed the surface, lightened  
10 smaller vessels, separated oily water, and  
11 continue to monitor the quality of the Gulf today.  
12 We delivered the subsea construction and well  
13 intervention marine assets required to contain the  
14 spill.

15 We operated some of the world's largest  
16 vessels in their -- of their class and fulfilled  
17 primary roles on the top and static kills. Our  
18 members' capital investment built the logistics  
19 infrastructure at Port Fourchon which played such  
20 an indispensable role in the mobilization effort.

21 I want to address one issue here regarding  
22 the Jones Act. The Jones Act actually facilitated  
23 the nation's response capability. The Jones Act  
24 obstruction of response is a myth. Let me just  
25 slow this thing down. U.S. and foreign flag

1 vessels work side by side, as you can see in this  
2 diagram. Admiral Allen indicated that there was  
3 never an issue of Jones act waivers that affected  
4 the response. And I'd like to go on record. OMSA  
5 would support such waivers in national emergency  
6 in this case and in future cases.

7 In total, over 2 million barrels of Jones Act  
8 tank barge capacity was delivered to the Gulf.  
9 That's important because that's all domestic  
10 capacity. It was available during this time in  
11 large measure because of a downturn in the  
12 nation's economy. We have to look forward, not  
13 only to skimming technology, but if we're going to  
14 recover oily water and ultimately oil, we have to  
15 think about the capacity to store that product at  
16 sea.

17 The Bipartisan Policy Center's letter to the  
18 National Commission on Deepwater -- I'm sorry.  
19 This thing is getting ahead of me -- suggested a  
20 few things I'd like to point out. First, we must  
21 balance the risk and opportunities from domestic  
22 production. Second, DOI should adopt a strategic  
23 plan in reviewing industry compliance with new  
24 safety requirements to ensure that whenever  
25 possible the safe resumption of drilling does not

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1 take an undue amount of time. And from our  
2 industry's perspective, timing is critical.  
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3           They asked the question, what can DOI do to  
4 encourage existing human and physical  
5 infrastructure to remain in the region to ensure  
6 sufficient capacity to respond quickly and  
7 effectively -- effectively in the event of a  
8 spill? And our industry is on the cusp of very  
9 dramatic change that's a result of an economic  
10 slowdown that's due to regulatory oversight and  
11 ensuring that we have the ability to respond in  
12 the future.

13           The response capacity is at risk. The vessel  
14 capacity that responded to the spill are finding  
15 other markets. Plans for new vessels have been  
16 put on hold. Shipyards will close. Companies  
17 will go out of business. Skilled mariners will  
18 leave the industry. Without work in the Gulf, the  
19 most technologically competitive and capable OMSA  
20 vessels will pursue foreign markets. Hundreds of  
21 OMSA member vessels may lay idle or be sold for  
22 other uses.

23           Pain has been deferred due to the prudent  
24 actions of the oil companies. They've held  
25 vessels on scene for -- as they wait for

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1 regulatory clarity. But that patience will have  
2 an end. Pain has also been deferred by the fact  
3 that so many of our vessels have been held as  
4 response vessels in the spill. But again, that  
5 time period is coming to a quick end. We need  
6 regulatory clarity that would describe a  
7 resumption of activity, exploration, and

8 development.

9 A vibrant Gulf is a safe Gulf. The current  
10 fleet of over 1200 OMSA-member company vessels was  
11 built to serve the thousands of production  
12 platforms and 33 deepwater and approximately 50  
13 shallow water rigs that were operating in April of  
14 2010. Without exploration, this industry's future  
15 is bleak if regulations fail to resume drilling,  
16 along with a concurrent program to implemented  
17 higher standards. So we need a two-track system.  
18 Raise the bar, but continue economic activity,  
19 otherwise we'll have an economic displacement of  
20 resources that we will need in the future.

21 A vibrant Gulf economy will support new  
22 marine investment, apply the latest technology and  
23 support aggressive research and development  
24 programs.

25 A great example of the innovation and the

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1 commitment of OMSA members to this economy is Port  
2 Fourchon. Let me see if I can pull it up there.  
3 We have a public investment here of about  
4 156 million dollars. This is the hub for the Gulf  
5 energy industry. We have private capital  
6 investment of 1.55 billion dollars for a total of  
7 1.7 billion dollars. That kind of innovation --  
8 and I would encourage Director Bromwich, if you  
9 haven't visited Port Fourchon, there's so much to  
10 learn there, so much to see. If your staff  
11 members that are working on the policies that you  
12 confront could make that visit, I think it would  
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13 be well worth your while.

14 We face a regular dilemma. Ironically,  
15 without a rational, planned regulatory transition  
16 built upon a resumption of safe exploration with  
17 current development and implementation of  
18 regulation, the vessels and mariners needed on the  
19 longer term to protect the Gulf will be lost.

20 OPA '90 provides us a great example of how we  
21 can both raise the standard without creating  
22 economic displacement in the industry. We have  
23 seen tremendous growth in the industry of  
24 transporting oil over the last 25 years, or 20  
25 years, and it's very important that we use the

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1 same sort of transition model going forward so  
2 that we don't have an abrupt, elongated stop of  
3 activity.

4 OMSA is committed to a safe Gulf. We applaud  
5 the creation of the Marine Well Containment  
6 Corporation. This effort shows great promise. As  
7 soon as the Coast Guard modernizes its vessel  
8 construction regulations, which Gary described so  
9 well, OMSA members are ready to meet the design,  
10 construction, manning challenges to create a new  
11 level of safety in the Gulf with OSRVs that are  
12 clearly meeting world standards. It's frustrating  
13 to know that a regulatory regime is an impediment  
14 to innovation. We are committed to working with  
15 larger offshore industry and regulators to improve  
16 response technology. But in our instance, time is  
17 the enemy. The longer we wait, the more vessels

18 will be displaced.

19 OMSA is committed to working with BOEM and  
20 we'd like to ask for the opportunity to join the  
21 Joint Industry Oil Spill Preparedness and Response  
22 Task Force. Some of our members have been  
23 consulted, but I think there may be a more formal  
24 role for our association members to play.

25 And finally, we ask that deepwater drilling

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1 resume as quickly as possible. We have jobs and  
2 lives at stake that you've heard a great deal of  
3 testimony on over the last eight weeks, and we  
4 appreciate your being down here to listen. But  
5 there are so many companies that are on the cusp.  
6 There's articles in the New York Times, Times-Pic  
7 articles that suggested the moratorium hasn't been  
8 as bad as expected. It's been pain deferred, but  
9 there's no question that the pain will come. Jobs  
10 are lost and assets are going to be lost to the  
11 Gulf unless we understand what -- a smooth  
12 transition. What we're looking for is market  
13 clarity so business decisions can be made.

14 Thank you very much.

15 DIRECTOR BROMWICH: Thank you very much.  
16 Appreciate it. Dr. Davis.

17 DR. DAVIS: well, in interest of full  
18 disclosure, I'm an academician. I've been asked  
19 to encapsulate Louisiana's oil spill research and  
20 development program in the context of the State of  
21 Louisiana. In order to give that, I have to give  
22 you a brief history.

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23 I am going to summarize sixteen years of oil  
24 spill research at the state level. And to do  
25 that, I want to remind you that we have been in

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1 the oil and gas business in Louisiana for over 100  
2 years. We're still counting. We have gone from  
3 the marshlands to the northeastern corner and  
4 northwestern corner of the state.

5 It has been reported that the first  
6 over-water well in North America was done in  
7 Louisiana. It's actually the second. We were  
8 only nine months after discovery of the Spindletop  
9 Field. We did, in fact, go up into Caddo Lake.  
10 From Caddo Lake, we moved to the marshlands. It  
11 was indeed a challenge to go from, in essence, a  
12 upland swamp to an area that can't make up its  
13 mind if it's land or water. In doing that, we  
14 gave birth of what we call the wetlands industry.  
15 But in order to do that, we had to develop the  
16 necessary infrastructure.

17 You've heard today from one of the leaders in  
18 offshore industry, and that's Edison Chouest. But  
19 well before we coined the term "Brown Water Navy"  
20 for the Vietnamese, we had individuals who, in  
21 South Louisiana, we would say "their back name,"  
22 you might say their surname, Candies, Theriot,  
23 Argeron, Cheramie. These are the people that set  
24 the stage followed by the Chouest family.

25 That being said, Louisiana became the

1 nation's boiler room. We became the economic  
2 mainstay of oil and gas, and as a result, when you  
3 look at a map of Louisiana, we're the only state  
4 in the union that produces oil and/or natural gas  
5 in every parish. You would call it a county.  
6 Oklahoma has all but one.

7 And with that as a background, we know the  
8 oil and gas business well. After all, we were the  
9 state that pioneered offshore drilling. We were  
10 the state that introduced it in 1947 and pushed  
11 the boundaries to the Deepwater Horizon incident,  
12 if you like. Consequently, we've been in the  
13 business for more than 100 years, and the Gulf of  
14 Mexico is simply an extension of the oil and gas  
15 province found throughout Coastal Louisiana.

16 Your own records will show you that in terms  
17 of platforms, there's approximately 3800 with  
18 about sixty-plus thousand wells. What most people  
19 don't understand is, less than 100 of those  
20 structures are not off the Coast of Louisiana. We  
21 are, indeed, the leaders, and these gentlemen  
22 speak highly of what needs to be done.

23 And, of course, we're going to continue to  
24 expand. You can't expand with a moratorium.  
25 Enough said. That being said, however, the State

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1 has created what was called the Louisiana Applied  
2 and Educational Oil Spill Research and Development  
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3 Program. Like the military, it has an acronym,  
4 OSRADP.

5 This is a record of all spills in Louisiana.  
6 As we break it down, we can look from offshore or  
7 just offshore over ten barrels, which was  
8 required. Now, there's some difference. We can  
9 look at the pipelines. And if we look at the  
10 academic awards, we have given out 139 awards in  
11 support of about 100 projects. The recent numbers  
12 don't agree, as some of these were two and three  
13 years; therefore, they were counted more than  
14 once. And the academic institutions include all  
15 public and private, with LSU getting about  
16 51 percent of the awards.

17 Been in business since 1993. We used about  
18 \$6,000,000. We had a budget of \$500,000 a year  
19 for research. We were able to leverage that with  
20 an average award of \$43,000.

21 That being said, if this will work, these are  
22 just some examples. I don't ask you to memorize  
23 this, but I would like for you to note that we've  
24 been involved in Landsat Thematic Mapper  
25 information on how we determine our coastline. By

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1 way of a footnote, Director, we're also losing the  
2 largest amount of land in the coterminous United  
3 States. By statistics, we lose about one acre  
4 ever thirty minutes. So we've had a potential  
5 impact in how we deal with used oil.

6 Because we have a facility where we have the  
7 permits necessary to burn, we got involved with

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8 NIST, National Institute of Science and  
9 Technology. Using that science and technology, we  
10 burn the marsh. Internal core temperatures reach  
11 just short of 3000 C. As long as we've got two  
12 centimeters of water, we will not burn the  
13 ribosomes. It's an effective technique that we  
14 can use in Coastal Louisiana's near-sea-level  
15 marshes.

16 with sustained winds exceeding 155 miles an  
17 hour, offshore waves were at one time perceived by  
18 NOAA and your former office that there were rogue  
19 waves at 80 to 100 feet. We now know that that's  
20 not a rogue situation. Information from Katrina,  
21 Rita, Gustav, and Ike has proven that.

22 We know we have to deal with oil spills. We  
23 learned from the EXXON VALDEZ incident. As a  
24 result of more than 500 spills associated with  
25 hurricanes in 2005, 2008, we began to initiate an

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1 aggressive burn policy which Federal regulators  
2 had no clue whether it would work. There was a  
3 great deal of nervousness. We burned the marsh  
4 and it recovered quickly. The biggest problem now  
5 are the feral hogs.

6 So when we look at this, we used ammoniated  
7 bagasse as a product to clean up the wetlands. We  
8 actually developed that technology. We've looked  
9 at phytoremediation. We looked at ocean  
10 atmospheric conditions from the Mississippi Delta  
11 as that affects the loop current offshore. The  
12 Earth Scan Laboratory has become very active in

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13 monitoring offshore weather conditions. That  
14 becomes critical in any wave height situation as  
15 we look into all wells offshore.

16 In addition, we have surveyed Louisiana  
17 seabird colonies. We've had factors controlling  
18 wetlands recovery after in-situ burning. And the  
19 background in Louisiana seabirds, we're at the end  
20 of the North American flyway, depending on the  
21 years, but we're looking at multi-millions of  
22 birds. By having an assessment of the rookeries,  
23 we know better where to protect these rookeries  
24 and reduce the NERDA (phonetic) costs associated  
25 with recovery. So we went into the seabird colony

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1 assessment. We were quite successful. The  
2 problem is this whole database needs to be  
3 updated.

4 The geographic information systems have been  
5 critical in any assessment of coastal processes.  
6 That being said, we began to develop a highly  
7 aggressive GIS database.

8 Mr. Director, I can tell you right now that  
9 Louisiana is the only state in the union that has  
10 six-inches, high-resolution satellite information  
11 on all of the coast south of the interstate  
12 system. We are aggressive in looking how we can  
13 use GIS to better meet our response capabilities.

14 Continuing this somewhat short list of the  
15 kind of projects that we've been involved in, one  
16 of the things we looked at was wave-current online  
17 information systems. The purpose of that became

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18 highly critical during Hurricanes Katrina, Rita,  
19 Gustav, Ike. Clearly these events were  
20 catastrophic in the nearshore as well as offshore.  
21 Wave height became very significant. Katrina was  
22 not only a lesson to the City of New Orleans, to  
23 FEMA, but it was also a lesson of what takes place  
24 in the Gulf of Mexico.

25 with that as the background, we began to look

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1 at wave height and developed a system using a  
2 radar device that measures wave height. But we  
3 are a state that produces oil and natural gas in  
4 every parish; therefore, we're not simply looking  
5 at the marshes. We have to be aware of swamps.  
6 We had a gasoline leak in the swamps when we were  
7 carrying the torch to Atlanta. Needless to say,  
8 the torch had to be redirected. We also have to deal  
9 in upland pine forests and we have a pipeline  
10 infrastructure that's old.

11 Mr. Director, I hope you're aware there are  
12 pipelines that are in this country that are 100  
13 years old and need to be looked at carefully. We  
14 do not have a master database, even the one that  
15 was in your predecessor, that's absolutely  
16 correct, yet we have the capabilities.

17 That is an area that we are concerned about,  
18 so we produced a GIS. This GIS was distributed to  
19 every oil and gas company that works in Louisiana  
20 as a free product, and we have put it in all  
21 midland senior high schools as a way to get  
22 students involved.

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23           The data now is over 130 various kinds of  
24 information from highly detailed oil and gas  
25 records. You can click on any dot and get all the

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1           information you need about the individual  
2 operator, to looking at places that -- this is not  
3 Port Fourchon, but it's just south of it on Belle  
4 Pass. We can actually go in and do a picture of a  
5 cut and tell you precisely how much boom you would  
6 need at that cut. And then we can go into other  
7 kinds of techniques. We can get some idea of  
8 1250 feet of boom. We can look at a great deal of  
9 ancillary information, particularly in the  
10 nearshore. When you do these proximity models,  
11 you want some idea of the various kinds of area  
12 that you would have to protect. That can be done.

13           And when you work in Louisiana, you have to  
14 have access to marinas. We've got a master  
15 database with 1350 marinas in it and that's so --  
16 whoever has the evergreen contract may not work or  
17 live in Louisiana. They know, and the people here  
18 in the boat business will tell you, in shallow  
19 water, you don't want to take out the bottom half  
20 of your boat. So these are highly detailed and  
21 we're in the process of updating those.

22           We can do the same thing with pipelines.  
23 Pipelines are a very critical area. I know we're  
24 talking about oil spills, but I think there's a  
25 pipeline that broke San Bruno, California in which

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1 over a hundred houses are burning as we speak.  
2 Pipelines are an issue we have to be concerned  
3 with. They are the backbone of our infrastructure  
4 in terms of meeting our hydrocarbon needs in the  
5 Middle West.

6 So as we continue going through this list, if  
7 you will, the bottom one notes that we were  
8 involved in the development of a pipeline GIS. I  
9 think it's important that you understand that the  
10 original as-builts do not exist, so you have to go  
11 and look at the witness posts. From the witness  
12 posts, you reconnect the dots, if you will.  
13 Highly intensive field work, very detailed GIS  
14 work. We've looked at in-situ light scanning  
15 fluorescent devices. We've looked at how we can  
16 better assess pipelines.

17 This is one pipeline corridor. You'll note  
18 one, two, three, four, five, six, seven pipelines  
19 in an area that is about fifty yards wide. And  
20 then we make these available to, generally,  
21 Homeland Security. We try to keep a record of all  
22 the pipeline companies.

23 I can tell you, Mr. Director, that we have  
24 done field work and had to change the pipeline  
25 ownership three times in one year. There are

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1 always questions and concerns. I didn't make up  
2 this. This is true fact.

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3 And, of course, in Louisiana, we would  
4 understand an alligator is just an alligator.

5 Training and research in blowout prevention.  
6 Development of an oil/brine spill restoration  
7 plan. We now use LIDAR, light detecting and  
8 ranging, to get better assessment of elevations.  
9 LIDAR has numerous advantages in the spill  
10 response community. Nitrogen recycling in  
11 oil/brine contaminated area. We developed a  
12 hydrodynamic model with input from NOAA that  
13 allows us to see how oil or water would move from  
14 the Sabine to the Calcasieu Lake, particularly if  
15 you think of the hydrocarbons moving through the  
16 Sabine system and the Calcasieu Lake system --

17 DIRECTOR BROMWICH: I thought you said this  
18 was a short list. It keeps going.

19 DR. DAVIS: Incidentally, I've got two  
20 minutes and I'm going to make it.

21 DIRECTOR BROMWICH: Okay. Go ahead.

22 DR. DAVIS: All right. The point is, I am  
23 purposely overwhelming your senses. In your  
24 corner office you may not ever get another chance,  
25 so I was asked to do it. I have academic license

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1 and I'm retired.

2 DIRECTOR BROMWICH: Fair enough.

3 DR. DAVIS: In order to look at marsh  
4 capability to withstand oil, in some cases the  
5 best thing to do is don't do anything. It's a  
6 hydrocarbon. The plants will take up this and  
7 that functioned very well.

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8           we also have to be aware of shoreline  
9           segments to better understand how we can clean  
10          this up. All of this is on DVD. I have copies if  
11          you're interested. We have looked at all kinds of  
12          satellite imagery to best respond to situations,  
13          what kind of situations. If Ed Owens was sitting  
14          in this chair, this is precisely the thing he  
15          would tell you. These are the things that allow  
16          the field responders to better assess how they're  
17          going to clean up individual segments of  
18          coastline. So the more of this information we can  
19          put in your hands, the better you can become in  
20          the spill response business. And that's all we're  
21          doing here, is giving clues to the people that  
22          make the decisions.

23          well, in summary, all of this material is  
24          good, but on the shelf it's useless. It has to be  
25          put into the hands of the people that make the

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1          decisions. It's a constant reminder. We are  
2          always in need of more information. We need more  
3          data. We have to be prepared. In addition, in  
4          short, our program is in the business to do  
5          business.

6          By footnote, we worked with Louisiana Sea  
7          Grant agents. We asked them to go through some  
8          training nine months ago in case we had a spill,  
9          and they became the ombudsmen for the people  
10         involved in this event.

11         Director, they speak French. They speak  
12         Vietnamese. Their mommas and daddies were in the

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13 oil spill business. The fishermen trust them, and  
14 therefore the Louisiana Sea Grant program became  
15 the de facto information supply line.

16 As we look at the future in oil spill  
17 research, I think it can be summarized into four  
18 categories. Equipment, clearly defined by these  
19 gentlemen to my right, and the one to my left  
20 soon. Safety issues. In the case of Louisiana  
21 restoration, rehabilitation. And the one that's  
22 long been overlooked is the socioeconomic costs  
23 associated with a single spill event. So, in  
24 summary, thank you.

25 DIRECTOR BROMWICH: Thank you very much,

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1 Dr. Davis, and we would love to have your DVD. So  
2 thanks so much. Mr. Costner.

3 MR. COSTNER: Thanks, Professor. I've been  
4 thinking about that pig for a while. There are  
5 casualties.

6 Director Bromwich, thank you for inviting me.  
7 I feel honored to be sitting here today with my  
8 fellow panelists in addressing what is a very  
9 critical issue facing this nation: Our capability  
10 to protect our environment and to put into place a  
11 credible oil spill response plan.

12 We are all aware of the major task ahead of  
13 this panel and the Department of the Interior.  
14 But I also believe that America's challenge at  
15 this moment can also become its opportunity to  
16 chart a new course that can put us in the  
17 forefront of oil spill clean-up. I believe that

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18 Gulf residents and the rest of the American people  
19 were underwhelmed by the response they saw after  
20 the BP Deepwater Horizon spill. They were  
21 underwhelmed because after EXXON VALDEZ, the  
22 Federal Government took swift action to strengthen  
23 our oil spill research and to focus this nation's  
24 resources on advancing our oil spill response  
25 technology. That was 1990. So what has happened

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1 since then?

2 Is it possible that nothing really has  
3 changed? That 20 years was wasted? The whole  
4 world has watched in awe as the United States once  
5 again fumbled its way through the biggest  
6 environmental disaster in history.

7 It is easy to be mad at the oil industry, to  
8 be mad at British Petroleum. I don't know who  
9 you're mad at, but I am mad at myself. I am mad  
10 that I saw this coming and I was unable to alter  
11 its inevitable outcome. I am mad that I didn't  
12 stand up taller, that I didn't talk louder. I was  
13 reluctant to use my celebrity because I thought  
14 the need was obvious and that the technology that  
15 I had developed would speak for itself. But I was  
16 wrong.

17 But thanks to our system of government and  
18 this panel, I have a second chance to make this  
19 right, to be heard, to let people here and around  
20 the world know that it doesn't have to play out  
21 like this, that there is a solution and a choice  
22 to be made. That is why I am here today to

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23 present Blue Plant Solutions' Gulf Coastal  
24 Response Plan.  
25 America needs to demand that the same

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1 appetite, the same energy that drives this  
2 industry around the world in pursuit of oil, where  
3 no cost seems too great, should be willing to use  
4 that same mind-set, the same financial resources  
5 to address the safety of the American people and  
6 an ecosystem that cannot speak for itself.

7 Blue Plant Solutions came to the Gulf after  
8 the Deepwater Horizon with fresh ideas and sought  
9 out local partners in the Gulf. The plan we have  
10 developed and putting forth today is based on  
11 lifelong industry experiences by men who have  
12 built, grown, and operate oil field support  
13 companies that are nationally and internationally  
14 recognized. Tempered with their good judgment,  
15 this plan is not only adequate but overwhelming in  
16 its response capabilities.

17 This plan was strategically formed to take  
18 advantage of existing assets that are currently  
19 working in the Gulf. Our plan is three-tiered.  
20 It consists of a first response, followed by an  
21 overwhelming response, backed up by a shallow  
22 water last line of defense. It will consist of  
23 190 vessels, 40 platform -- deepwater platform  
24 service vessels, 30 offshore supply vessels, 10  
25 deepwater barges, 100 shallow water skimmers, and

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1 10 shallow water barges. They will incorporate  
2 state-of-the-art booming, skimming, separation,  
3 and storage capacity.

4 what you see now is a graphic of the 33  
5 deepwater rigs. These deepwater rigs are serviced  
6 at any point in time by 40 deepwater platform  
7 supply vessels that are operating throughout the  
8 Gulf on a 24-hour basis. Our plan includes these  
9 assets and will retrofit them with  
10 state-of-the-art oil spill recovery technology.  
11 They will have a storage capacity of approximately  
12 12,000 barrels.

13 Should an accident occur like the Deepwater  
14 Horizon, we would be able to deploy six of these  
15 vessels to the accident site within two or three  
16 hours. An overwhelming response will follow in  
17 the form of 30 offshore supply vessels that will  
18 go to land and put skids on top of them. It will  
19 also be followed by 10 deepwater barges and will  
20 be deployed within 48 hours.

21 For purposes of this graphic, however, we  
22 have just sent six platform vessels along with two  
23 deepwater barges, giving the storage capacity at  
24 this particular well of over 300,000 barrels. If  
25 this was the Deepwater Horizon and we decided to

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1 throw the kitchen sink at it, we would have the  
2 ability to have 1.5 million barrels of oil of  
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3 storage. The Deepwater Horizon -- our plan to  
4 deal with the Deepwater Horizon would have  
5 incorporated 190 vessels versus the 6000 we saw  
6 deployed this summer.

7 It is also important for the panel to  
8 understand that Blue Plant Solutions' plan does  
9 not consider the Deepwater Horizon a worst-case  
10 scenario. Given the dangerous world that we live,  
11 we have anticipated a situation where five  
12 Deepwater Horizons could occur.

13 In this case, our comprehensive plan would  
14 handle the situation by deploying our 70 offshore  
15 vessels and 10 deepwater barges to the multiple  
16 spill sites. We would follow this up with a last  
17 line of defense that is made up of 10 shallow  
18 water barges and 100 shallow water skimming  
19 vessels, which would be equipped with  
20 state-of-the-art booming, skimming, and separation  
21 technology. They would be located all along the  
22 Gulf of New Mexico.

23 They are designed to work as -- they are  
24 designed to work in water as shallow as two feet;  
25 and travel up to 20 knots with the ability to work

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1 in seas up to six feet. They range in size from  
2 35 feet to 56 and are designed specifically to be  
3 transported by trucks along the Gulf anywhere they  
4 would be needed.

5 These 33 deepwater rigs are how Americans and  
6 the rest of the world have come to picture the  
7 Gulf, but they do not paint a complete picture of

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8 the Gulf. These yellow dots represent over 5000  
9 platforms that exist in the Gulf right now. In  
10 addition, to the 5000 platforms, there are also  
11 over 27,000 wells throughout the Gulf with over  
12 7000 of them currently classified as active.  
13 Sitting on the ocean floor out of sight is an  
14 infrastructure, a network, if you will, of  
15 pipelines that stretch over 31,000 miles  
16 connecting oil and gas to our main land.

17 This is a clear picture. This is the correct  
18 picture of assets that exist in the Gulf of Mexico  
19 and the danger they pose should there be an  
20 accident, manmade or otherwise. This is what our  
21 end of the Gulf looks like to our neighbors who  
22 share our waters.

23 what do we see when we reverse the picture?  
24 I can tell you when we look at their coast, the  
25 Gulf is clearly under siege and begs the question:

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1 How good is their plan to cleanup a spill? Do  
2 they even have one?

3 we cannot control what our neighbors do, but  
4 we can control how we choose to invest in the  
5 safety of our people, our resources, as well as  
6 our neighbors -- as well as our international  
7 neighbors.

8 Is it possible that we think the Gulf is so  
9 big that what happens somewhere else doesn't  
10 matter, that it is not our problem? Are we  
11 arrogant enough to think that what happens in  
12 those territorial waters couldn't possibly affect

13 us?

14 I have heard the argument and if distance  
15 allows those who make it to sleep, then I would  
16 ask them to look at Cuba. For as beautiful as it  
17 is, Cuba still sits approximately 90 miles off the  
18 Coast of Florida. Seven deepwater wells have been  
19 slated for 2011 and 2012. The countries who have  
20 signed up to drill are Venezuela, India, China,  
21 Norway, Vietnam, Brazil, Malaysia, and Spain.  
22 Twenty-nine out of the 59 areas designated for  
23 drilling are currently leased. What will be their  
24 response plan? Is it too big a leap to think that  
25 something could go wrong on the level of the

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1 Deepwater Horizon and oil could be moving  
2 uncontrollably towards Florida and up the Eastern  
3 Seaboard?

4 How can anyone now think when looking at the  
5 Gulf that our plan is too ambitious; that our plan  
6 is overkill; that we don't need that much  
7 capability or capacity?

8 I would suggest just the opposite; that our  
9 plan is too light; that it doesn't incorporate an  
10 immediate response boat that should be positioned  
11 24/7 while a well is being drilled with a first  
12 responsibility of that to save lives; the second  
13 to fight fires; and the third to recover oil.

14 The bar of protection has been too low for  
15 too long. "Adequate" is the word industry chooses  
16 to use to protect us rather than "overwhelming."

17 The choices are clear. We can choose to enlist a  
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18 fleet of 6000 vessels or we can create a fleet of  
19 our own of dedicated ships, 190 state-of-the-art  
20 vessels. We can choose to let oil come the  
21 surface and corral it, or we can choose to burn  
22 it. We can choose to separate oil from water at  
23 high speeds with outputs that exceed current EPA  
24 standards and improve the efficiency of every boat  
25 on the water, or we can use dispersants and sink

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1 it to the bottom. We can choose to recover oil or  
2 we can choose to cover it up.

3 The opportunity today is to move forward. We  
4 have a choice in all things, but what we cannot  
5 accept is a return to the status quo. Our prayer  
6 is that this panel protect us. America deserves a  
7 no-nonsense approach to spills that are certain to  
8 happen now and into the future. We believe this  
9 plan strikes to the heart of the problem. It is  
10 efficient, it's streamlined, and robust. It is  
11 easy to understand. It is an overwhelming  
12 response that brings us immediately into the 21st  
13 century. It stands as a turnkey operation that  
14 can be implemented today. The American people and  
15 the Gulf deserve nothing less. Thank you.

16 DIRECTOR BROMWICH: Thank you very much for  
17 your presentation. What we'll do now is we'll ask  
18 questions of the presenters starting with Mr.  
19 Rook. All three of us will ask our questions,  
20 then we'll move to the next presenter.

21 Let me start. Mr. Rook, among the many  
22 compelling points you made was the need for a  
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23 24-hour skimming operation. Your assertion was  
24 that it only -- skimming only took place for  
25 approximately 12 hours in dealing with Deepwater

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1 Horizon and it needs to be 24 hour. What is the  
2 impediment -- what was the impediment to having a  
3 24-hour skimming operation this time around, as  
4 you understand it?

5 MR. ROOK: Command said, when the sun goes  
6 down, you can't skim anymore. I would assume that  
7 their reason was that they were afraid that the  
8 many vessels out there working in the dark would  
9 possibly run into each other or have a problem  
10 with booms out, or whatever. I really don't know.  
11 They didn't tell us why.

12 DIRECTOR BROMWICH: So it was never made  
13 clear to you?

14 MR. ROOK: No.

15 DIRECTOR BROMWICH: I think this bleeds into  
16 the second point I was going to ask you about, is  
17 the need for more organization of the skimming  
18 capabilities. Can you elaborate a little bit on  
19 what you saw as the lack of full organization of  
20 those activities?

21 MR. ROOK: Well, I think that the slide that  
22 I put up of the aerial view that had the six  
23 different configurations in it is a good example.  
24 Essentially, you have a skimming unit that is out  
25 there, you know, that's told to go to a certain

1 area and skim. And you need to have some type of  
2 an area or a group command that is going to say,  
3 okay, well, you know, you might be six people in  
4 this area, but you have a certain goal or regime  
5 that you need to following in doing this.

6 And the plan that we proposed in having the  
7 DP overall control is your skimming vessel --  
8 master of the skimming vessel would have the  
9 overall control of each one of those  
10 configurations and we would see that he would be  
11 provided with formation from aerials or...One  
12 thing that we feel is important or should be  
13 allowed is the use of UAVs in skimming because  
14 currently they won't allow you to do it. But I  
15 mean, that's a very, very good opportunity to get  
16 accurate data and information on where the oil is.

17 I mean, you can be in machine oil and, you  
18 know, it's there. But, I mean, you can skim all  
19 day and you're not going to get anything. I mean,  
20 you need to get into the thick oil to be able to  
21 make some progress, and that depends on  
22 overflights or aerial pictures, or whatever. UAVs  
23 flying off of these vessels is a wonderful way to  
24 do that, and relatively cheap, too.

25 So, you know, we feel that's another thing

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1 that should be -- should be incorporated into the  
2 plan, a vessel that can have the ability to fly

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3 those from it.

4 DIRECTOR BROMWICH: Thanks, Gary. The last  
5 point I have is actually not a question; it's a  
6 request. I think you know that within the last  
7 ten days or so, BP has issued a lengthy report on  
8 lessons learned from both spill containment and  
9 spill response. We have a lot of expertise on  
10 this panel about spill response with some fairly  
11 detailed specific knowledge about this particular  
12 spill response. So I would invite all of the  
13 members of this panel to submit to me and to my  
14 agency your comments, reactions, and so forth on  
15 the BP's document that is the lessons learned  
16 because you may think those lessons learned --  
17 that there aren't enough lessons learned or in  
18 that document some of the wrong lessons are put  
19 forward. That shouldn't be the one authoritative  
20 document out there that addresses these important  
21 issues. I think it should have abundant comment  
22 from people who were involved and who know quite a  
23 bit about it.

24 So those of you who were directly involved in  
25 that or have comments generally, even if you

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1 weren't directly involved, we'd very much  
2 appreciate your comments on the reports that BP  
3 submitted to me. Thank you. Lars.

4 MR. HERBST: Yes. Mr. Rook, just a couple  
5 quick questions, I think. First of all, I enjoyed  
6 the slide presentation. It was very thorough on  
7 spill response. Some of your slides, I think,  
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8 pointed to -- one of the facts that were brought  
9 up was the inefficiency of skimmers as they're  
10 used now. One of those, I believe, was the not  
11 actually getting the skimmers in the oil, and I  
12 guess this is a follow-up question.

13 How, in your mind, do we improve on that?  
14 You mentioned the radar is one option. If you  
15 could address that, the technology where that  
16 stands right now, and also, again, in the aerial  
17 observation and putting skimmers on the oil, if  
18 you could address that.

19 MR. ROOK: Yes, there are radars that are now  
20 available that can detect oil. And basically the  
21 principle is that oil is going to dampen the wave  
22 surface, wave profile, and that's what they read,  
23 the dampened area, so it puts you into the oil.

24 Now, as far as determining the thickness,  
25 there are also means to detect thickness by laser

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1 and infrared. Generally, they can be effective  
2 out to about 5 to 900 hundred meters away from the  
3 vessel, so you can get a fairly good reading on  
4 where the thick oil is so you know where you need  
5 to go. Again, this is -- this technology is  
6 relatively new. It's now -- there have been  
7 several -- several of the radars and the thickness  
8 -- thickness devices that have been accepted by  
9 NOFO, the Norwegian Clean Seas Association, as  
10 being acceptable to them. So they have done very  
11 thorough testing on them. The UAVs, again, we  
12 feel is a very strong way to do this.

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13 MR. HERBST: Also, your experience in this  
14 response and maybe lessons learned, is there  
15 anything that you could speak to, especially in  
16 the deepwater response, not so much the shallow,  
17 but as far as the effectiveness of skimmer  
18 equipment? We've heard things about Transvac  
19 skimmer heads, weir skimmers. Was there one that  
20 was more effective in your mind in deepwater than  
21 another?

22 MR. ROOK: Well, we -- the two vessels that  
23 we -- that we outfitted, we used the Transvac 150  
24 skimmers which were the new technology. I believe  
25 the MSRC vessels that Mr. Dane had built after the

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1 VALDEZ, they also have the Transvac 150s on them,  
2 as well, much older technology. The newer ones  
3 are much more capable. Those particular skimmers  
4 are capable of up to 400 meters cubed a day, which  
5 is about 30,000-barrel capacity -- well, no, about  
6 60,000 per day. But that's capacity; that's not  
7 reality.

8 You know, that was one of the things here  
9 that we saw. You know, reality is how much you  
10 really get; not capacity, what you could possibly  
11 get. And I believe that the Director actually  
12 mentioned that in his opening statement, that the  
13 rating system is somewhat incorrect.

14 I think the one statement was that there was  
15 greater than 1.2 million barrel recovery  
16 capability per day at the mid part of this. Well,  
17 if that's the case, in five days you should have

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18 had it all. But it just doesn't work that way.

19 You know, I think that if you get -- you  
20 know, in talking with -- I did a good bit of  
21 speaking to the NOFO people on this because we  
22 feel they're pretty good on this stuff and have  
23 got a good plan. And, you know, 20 percent of  
24 recovery is what they're saying would be very  
25 good. You're not going to get it all.

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1 MR. HERBST: Thank you.

2 DIRECTOR BROMWICH: Mr. Hauser.

3 MR. HAUSER: I have a follow-up question  
4 concerning the 24-hour skimming, skimming at  
5 night. What technology advances do we need to  
6 have the capability to effectively skim at night?

7 MR. ROOK: Well, again, I would say I think  
8 that they're there now. I think they just need to  
9 be employed on our vessels. I'm not going to say  
10 they weren't there ten years ago, and they  
11 certainly wasn't there when, you know, the initial  
12 fleet was -- the MSRC and NRC and those vessels  
13 were developed, that technology wasn't there. But  
14 it is. I mean, one point that I would certainly  
15 bring up here is that, you know, we fix -- we can  
16 fix it for now using the technology that's now  
17 available, but that's got to continually be  
18 upgraded. You can't just let it sit there.

19 Technology changes every year, you know, every  
20 day. I mean, look at your computer. I mean, the  
21 computer you had a year ago is well obsolete now.

22 The same with your cell phone, and it's no

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23 different in these other -- this other technology.  
24 You have to be able to upgrade and keep that  
25 equipment top of the line with the new

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1 enhancements.

2 For example, the TR 150s on MSRC vessels are  
3 20-year-old units. They're not nearly as capable  
4 as the TR 150s that are in current production. So  
5 at some point you have to say, Okay, well, you  
6 know, we're going to have to get rid of these and  
7 get some new stuff on it. It may be the same  
8 name, same manufacturer, but it's not the same  
9 unit. There needs to be some method of keeping  
10 your equipment current and as effective as  
11 possible.

12 MR. HAUSER: Thank you.

13 DIRECTOR BROMWICH: Mr. Dane, I have one  
14 question for you, and it's based on your  
15 discussion of funding sources, and specifically  
16 the potential for integration with the MWCC, the  
17 entity that the four majors are creating. That  
18 was announced obviously with substantial fanfare a  
19 couple of months ago, and it does seem like a very  
20 good and, frankly, pretty bold start.

21 what I don't know and don't understand, and  
22 maybe you can help me with, is the extent to which  
23 companies outside the Big Four, including your  
24 company and others, are going to be included in  
25 this, if you know.

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3 this accident since the start of it as far as  
4 capacity, especially some of the shallow water  
5 skimmers. From your understanding, is that  
6 equipment still available for future use, or  
7 what's your understanding of the status?

8 MR. DANE: well, we built -- we had a  
9 contract as a subcontract to Marco for ten DP  
10 skimmers. And then when they capped the well  
11 July 15th, they said, we will take whatever you  
12 can deliver by the end of August. So our ten-boat  
13 contract got cut to six boats.

14 we do know at the end of the day, there was  
15 not the recoverable oil in the shallow waters  
16 enough to even put those boats in service, and  
17 some of our boats went immediately to a storage  
18 yard in Memphis. So they are starting to store  
19 them. But then again, a lot of what we saw was  
20 these vessels of opportunity. As Mr. Rook showed,  
21 just -- they can drag a boom, but what are they  
22 going to do with it? And yet, there's just not  
23 that capability. A lot of shrimp boats out there,  
24 which are great for shrimping, but they're  
25 terrible because they don't have the storage

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1 capacity for oil.

2 And what we see is just the lack -- we were  
3 very fortunate here in Mississippi. we didn't get  
4 a lot of oil because we didn't have that many  
5 boats available to really skim and pick up oil had  
6 it hit the Mississippi shores. We were more  
7 fortunate than Louisiana.

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8 MR. HERBST: And another question. If we  
9 took Mr. Costner's blueprint for an oil spill  
10 response plan, as a shipyard owner and builder, do  
11 you believe the capacity is there to build that  
12 plan out as far as the number of vessels needed in  
13 a short period of time?

14 MR. DANE: We built 17 vessels just in a  
15 hundred days. We were working two shifts, seven  
16 days a week because of the necessity for the  
17 response. But we were only using a small portion  
18 of our shipyard. I mean, Trinity could build,  
19 certainly, the hundred vessels and the shallow  
20 water fleet that we're looking at in less than a  
21 year.

22 DIRECTOR BROMWICH: Jim, you talked a lot  
23 about the dual challenge of regulatory clarity,  
24 and yet making sure that people get back to work.  
25 I just wanted to comment on that rather than

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1 really ask you a question.

2 That's what we're striving for. I think you  
3 know that the purpose of these forums is to gather  
4 information for me to bring back to Secretary  
5 Salazar so he can make the decisions about whether  
6 and in what ways to shorten the moratorium.

7 I think you're well aware, as I think most  
8 members of this panel are, about the regulatory  
9 steps that have already been taken in terms of  
10 NTL-5 that relates to safety; NTL-6 that relates  
11 to certain environmental issues, including  
12 worst-case discharge. And I think it's known that

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13 we are going to be taking other steps to raise the  
14 bar in terms of regulatory requirements.

15 And so, what the resumption of work will  
16 depend on, obviously, is how quickly industry is  
17 able to respond to and incorporate the new  
18 requirements that are going to come out.

19 And I think what those are are fairly clear,  
20 and I would hope that industry has looked at the  
21 30-Day Safety Report to the President on May  
22 27th, together with the proposed SIMS Rule,  
23 which was originally issued about a year ago.  
24 We've said -- I've said repeatedly that those two  
25 major regulatory steps are going to be issued very

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1 likely by the end of this month, and so I hope  
2 that the requirements that are in those various  
3 documents are being paid close attention to by  
4 industry and that they are working right now to  
5 incorporate the additional safeguards and  
6 requirements that are in those documents, so that  
7 as soon as the moratorium is lifted, they are  
8 ready to go.

9 I think I've also said that some of the more  
10 onerous requirements that were in the 30-day  
11 report with respect retrofitting, blowout  
12 preventers, and so forth, are not going to be  
13 immediate requirements, that they're going to go  
14 through a conventional notice and comment  
15 rulemaking in part -- in large part because we  
16 realize that requiring their immediate  
17 implementation would, in effect, be an extension

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18 of the drilling moratorium.

19 So we're trying to be as clear as we can. If  
20 there are issues associated either with the draft  
21 SIMS Rule, which you have, or the various other  
22 non-BOP requirements that are in -- that were in  
23 the 30-day report and that are going to be  
24 incorporated in the interim final rule, we would  
25 love to know what those are sooner rather than

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1 later, because short of actually showing the rule  
2 now, which the process doesn't permit, we think  
3 we've telegraphed in great detail what the  
4 additional requirements are going to be.

5 So I hope the message has been clear in the  
6 past. If not, I hope I'm making it clear now  
7 because we are in the process of doing both of the  
8 things that you've talked about, which is raising  
9 the regulatory bar, which I think everybody  
10 acknowledges is critically important, but at the  
11 same time, not having that be a bar for having  
12 industry return to work once the moratorium is  
13 lifted. Lars.

14 MR. HERBST: Just a couple of questions. I  
15 believe I heard you say, Jim, that OMSA would  
16 support the waiver of the Jones Act in similar  
17 situations as the Horizon incident; is that  
18 correct?

19 MR. ADAMS: Yes, if there was a need for a  
20 foreign flag vessel to respond to an oil spill, we  
21 would. Temporarily, it would be a waiver. But  
22 that's just reasonable. I think the important

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23 thing to recognize is, despite some of the popular  
24 media over the summer, there was a lot of  
25 misinformation cast on the Jones Act as an

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1 obstruction to response that we saw. And, in  
2 fact, it's just not -- not true. As the photo  
3 that I displayed demonstrated, you had foreign  
4 flag and U.S. flag vessels working side by side,  
5 and you had Admiral Allen state that waivers were  
6 not an issue.

7 So, I don't mean to -- to clarify,  
8 necessarily, the record for your agency, but  
9 rather for the public. There was a lot of  
10 misun- -- misinformation portrayed by third  
11 parties, I believe.

12 MR. HERBST: And to follow that up,  
13 obviously, some of the vessels that were needed as  
14 far as containment-type vessels later in the  
15 response, dynamic-position tankers, I believe  
16 there was one that was a U.S -- U.S. flag, but two  
17 others came from overseas. I believe one UK, one  
18 Norway.

19 Do you see any change in the U.S.  
20 shipbuilding, especially for large vessels, where  
21 those vessels could be built here in the U.S.?

22 MR. ADAMS: I might ask my members and  
23 colleagues on the panel to comment on that. Their  
24 expertise on shipbuilding exceeds mine.

25 DIRECTOR BROMWICH: Want to take a crack at

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1 it, anybody?

2 MR. ROOK: well, we certainly could build and  
3 we'd be more than happy to. I think we've had  
4 some discussions with some of the oil companies  
5 about Jones Act tankers. But we have the  
6 facilities to do it and the people to do it, and  
7 we're ready to get started any time.

8 DIRECTOR BROMWICH: Thank you. One question  
9 I do have for you, Jim. You mentioned towards the  
10 end of your presentation something that suggested  
11 that the Joint Industry Task Forces, which we  
12 actually heard from earlier in the week in  
13 Houston, may not have been as open to members of  
14 your trade association or others as I had  
15 previously thought. Have there been bars to your  
16 participating in that process; and if so, do you  
17 understand what the reasons for those bars are?

18 MR. ADAMS: No, I don't know that there's  
19 been a bar established. What I would suggest is  
20 the expertise that resides within OMSA ought to be  
21 part of the Joint Task Force.

22 DIRECTOR BROMWICH: Have you offered it up?  
23 I guess that's my question.

24 MR. ADAMS: Yes.

25 DIRECTOR BROMWICH: And so far that offer has

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1 not been accepted?

2 MR. ADAMS: well, the offer -- there was  
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3 leadership transition within OMSA in the past  
4 couple of months and we are going to request the  
5 opportunity to become more formally active in that  
6 group.

7 DIRECTOR BROMWICH: Yeah, I would suggest  
8 that you do that. It's obviously a very  
9 substantial effort. There are a lot of companies  
10 involved in it. We heard from the heads of the  
11 four separate task forces in Houston earlier this  
12 week, so the more widespread the participation is  
13 by industry, the better. It's obviously not going  
14 to be the last word. We're looking for others to  
15 comment on that. We're looking for as broad a  
16 participation by as large a variety of groups as  
17 possible, but certainly your trade association has  
18 members that have expertise that I think can  
19 contribute to that effort.

20 MR. ADAMS: Thank you. Also, may I say, I  
21 appreciate very much your response to my  
22 presentation. The clarity you provided just this  
23 morning is very helpful and appreciated. But as  
24 you can imagine, we're not the direct regulated  
25 community, rather we are the service providers to

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1 them. And so, in many cases, until our members  
2 understand that the regulated -- the directly  
3 regulated community is moving ahead with business  
4 plans, we will feel extremely uneasy about the  
5 business environment that is with us.

6 DIRECTOR BROMWICH: No, I completely  
7 understand that, and your observation simply gave  
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8 me an opportunity to try to make clear what some  
9 people may be confused about, so I appreciate it.

10 MR. ADAMS: Thank you, and I do appreciate  
11 it.

12 DIRECTOR BROMWICH: Dr. Davis, one, really,  
13 question flows out of your presentation. You've  
14 really shown us -- as you said, it was information  
15 overload -- but a wide variety of all sorts that  
16 have been funded. Is there enough focus in the  
17 funding? It seems like there were so many  
18 different studies cutting across such a wide range  
19 of related issues. One thought that popped into  
20 my head is, is there enough focus, or is this just  
21 so disaggregated that it may not be as fully  
22 useful as it might otherwise be?

23 DR. DAVIS: The question about focus is  
24 certainly a good one. But at the same time, when  
25 you're dealing with geologic environments that go

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1 from the border of Arkansas to the Gulf of Mexico,  
2 from the Sabine to the Pearl, and you have to show  
3 interest in all of those environments, we had to  
4 be careful. And so, we did have an open call,  
5 because when you deal with the public colleges and  
6 universities, you have no idea what their  
7 expertise. And just like employees in the Federal  
8 Government, they change. Academicians change.  
9 The people that I may know do metallurgical work  
10 at Louisiana Tech, particularly on pipelines, if  
11 they get offered a better job at the University of  
12 Missouri, we've lost that scientist.

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13           So we had to structure a statewide program  
14 open to all 19 public colleges and universities  
15 for political goodwill, and work on the expertise  
16 available at those universities. Now, if there's  
17 a common thread in terms of focus, it's always  
18 been around GIS, as well as using radar. And  
19 that's been a common focus because we understand  
20 how vulnerable our near-sea-level marshes are.

21           And then appended to do that has been a great  
22 deal of concern about resiliency of marsh plants.  
23 Remember, our marsh plants are divided into four  
24 categories. We have saline, intermediate, then we  
25 go on into fresh, and there's a transition zone.

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1           Each marsh community responds different to oil in  
2 cases. And we're not just dealing with oil that  
3 comes from offshore rigs. They will have API  
4 numbers that are much different.

5           So the short answer is, no, we do not have a  
6 focus.

7           DIRECTOR BROMWICH: Thank you. Lars.

8           MR. HERBST: Just one -- one main question.  
9 I think your presentation was very, very thorough.  
10 But the question is, as we move forward as a  
11 Bureau in evaluating oil spill contingency  
12 response plans, there was some question in this  
13 response as to identified, critical environmental-  
14 sensitive assets that need to be protected. Some  
15 of this may have gotten mixed up with what may  
16 have been economic critical assets, say a beach  
17 versus a marsh, or tourism versus a marine

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18 ecosystem for fish, shrimp, crabs, whatever.

19 Do you believe that the status of these  
20 contingency plans are where they need to be, or is  
21 that a critical step that needs to be looked at?

22 DR. DAVIS: I think it's a critical step  
23 because, particularly in Louisiana, our marshes  
24 change so dramatically that the number you used  
25 last year is incorrect this year. So to use a

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1 common expression, it's a moving target. And  
2 those of us that live and work in there understand  
3 that. And one reason we're so committed to using  
4 satellite imagery, it's a way we can keep abreast  
5 of the changes, and now we're looking at six-inch  
6 resolution. It just makes it easier in the  
7 response to drop the science in place to allow the  
8 responders to adequately address the issues.

9 We have a mud coast. A mud coast has never  
10 been addressed adequately by the skimmer community  
11 because it's a mud coast. So there are always  
12 issues and they will be there because it's a  
13 dynamic environment. This is not the coast of  
14 California where you stand and look, it's a cliff.  
15 I was very sincere when I said we live in an  
16 environment that can't make up its mind if it  
17 wants to be land or water. I didn't say that just  
18 to be humorous. That is a fact.

19 So the answer is, we're never adequate. I'm  
20 sorry. We're just never there.

21 MR. HERBST: I guess to follow that up, I  
22 know you may not be able to speak for the State of  
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23 Louisiana, but do you see the State's wanting to  
24 provide changes to those environmentally sensitive  
25 index areas for booming strategy mainly that --

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1 was something done wrong? was something protected  
2 ahead of something else that needed better  
3 protection?

4 DR. DAVIS: well, I think you're right. I  
5 cannot speak for the State of Louisiana, but I am  
6 retired.

7 MR. HERBST: So you can speak freely.

8 DR. DAVIS: I can speak for myself. I think  
9 that booming strategies are important. They're  
10 not insignificant because of the fragility of the  
11 wetlands. But it really comes down to skimmers  
12 and the science driving those skimmers. You have  
13 the capability at onset. We need to expand with  
14 these gentlemen.

15 I can only tell you what I've learned through  
16 the historical record. Those are the people on  
17 the ground. Those are the people that can give  
18 you the information, some of which can be done  
19 instantly. But there are environmental  
20 situations, that unless you talk to a near-shore  
21 oceanographer, they're not going to know, and  
22 that's where the dialogue becomes critical.

23 MR. HERBST: Thank you.

24 DIRECTOR BROMWICH: Bill.

25 MR. HAUSER: Yes. I had a question about

1 there are many offshore burns as they gathered the  
2 oil, and there has been some research done onshore  
3 burning some of the marshlands.

4 DR. DAVIS: Uh-huh.

5 MR. HAUSER: Has any of that been planned for  
6 the marshlands that were impacted by the Deepwater  
7 Horizon spill?

8 DR. DAVIS: You know, I can't say that it's  
9 been planned, and the reason is because of the  
10 diversity of the environmental communities.  
11 Remember, other than the Coast of Florida,  
12 Louisiana is the only place in the coterminous  
13 United States that has mangroves. So your  
14 response in a mangrove oil environment would be  
15 different than a phragmites or any other of the  
16 marsh grasses.

17 So it becomes real critical. It's a  
18 case-by-case situation. In the case of the  
19 Chevron spill that I noted to you, that's a marsh  
20 grass that trappers have been burning for 150  
21 years. We knew what was going to happen. We had  
22 to convince the regulators, but we really knew  
23 what was going to happen. In some cases, *Spartina*  
24 *alterniflora*, there are some other examples, just  
25 leave it alone.

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1 But, you know, from a media perspective and  
2 from perception perspective, "You're leaving it  
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3 alone?" And yet we know in twelve months...This  
4 is not a cold, wet northern environment. It's  
5 hot, humid, and has lots of bacteria, and that  
6 will work.

7 So the answer is, case by case, and, yes,  
8 we're ready to burn.

9 MR. HAUSER: Thank you.

10 DIRECTOR BROMWICH: Mr. Costner. First of  
11 all, thank you very much for coming, I know, a  
12 great distance to present your plan, and thank you  
13 for playing the role of active public citizen in  
14 seeing a major problem and rather than sitting  
15 back and wringing your hands, trying to do  
16 something very constructive about it. I think  
17 that's very unusual, and I appreciate that.

18 I paid close attention to your thoughtful and  
19 compelling presentation. And one feature of it  
20 that I don't think has been often remarked on is  
21 the risk to us, the oil response threat to us,  
22 posed by drilling in other waters. I thought your  
23 graphic on what's going on in Cuba is something I  
24 had not focused on before, and I think makes it  
25 clear and underlines the importance of having

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1 adequate oil spill response, not only for problems  
2 that arise in our waters, but that also arise in  
3 our neighbors' waters. So I appreciate your sort  
4 of broadening our thinking on that.

5 My question for you is to what extent you  
6 have shared this plan with a broader community. I  
7 know you've shared it with me. You've shared it  
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8 with Secretary Salazar. We're going to be looking  
9 at it very closely. Whom else have you shared it  
10 with, and can you describe in general terms what  
11 the response has been so far?

12 MR. COSTNER: I have shared it with Secretary  
13 of the Navy Mabus; to the Admiral of the Coast  
14 Guard, Papp. I'm sorry. I'm using just last  
15 names just like these are guys on my team or  
16 something, but there's a lot of initials in  
17 business and there's a lot of titles that go in  
18 front of names.

19 DIRECTOR BROMWICH: Yep.

20 MR. COSTNER: I've presented it to three  
21 governors; Haley, and Bobby, and I talked to Rick  
22 Perry on the phone and sent them the plan. Two  
23 Attorney Generals have looked at this very  
24 carefully, Jim Hood of Mississippi, and Buddy  
25 Caldwell of Louisiana, who has worked extensively

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1 with us and helped us. I've been -- I've  
2 testified twice in Congress and presented, not the  
3 plan at that point, because we're just a small  
4 piece of the puzzle.

5 We never wanted to come in like we were the  
6 white horse, that we could save, but we certainly  
7 -- what we do is, we make all the other pieces of  
8 machinery out there efficient. I think that some  
9 of the biggest names in this business have brought  
10 us in and recognized that. And I feel a lot of  
11 gratitude towards them, including BP.

12 But we have shared this plan with BP. I sat  
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13 down with Doug Settles and with Lamar and showed  
14 them, along with Gary Chouest, who heads up the  
15 Edison Chouest company. We tried to bring  
16 industry together to almost kind of do the right  
17 thing before you have to ash them, because, you  
18 know, this is a mature business. It's a mature  
19 industry, and we always want to expect a mature  
20 response to something that's gone wrong and the  
21 anticipating that something will go wrong.

22 We continued -- I've shown this plan, I would  
23 say, to -- I feel like I'm going to leave some  
24 situations out -- but, you know, Senator Landrieu,  
25 Mary Cantrell, and Congressman Thompson. And we

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1 developed a strong bipartisan group up on Capitol  
2 Hill, having been there twice, because we have --  
3 we have focused on what the problem was and tried  
4 to keep our head down, and it hasn't been about  
5 celebrity. It has been -- and I appreciate what  
6 you said to me. Thank you. It has been -- we  
7 have to try to say in a solve mode.

8 And so this has been presented to a lot of  
9 people, and the reception is surprising because  
10 the plan is simple. It deals with, you know, in  
11 this instance, as a first step, 190 vessels. And  
12 it's focused on trying to use assets that are  
13 currently working so that it wasn't like a  
14 dedicated shiny fleet that's very expensive to  
15 build. As you can see, the first 70 boats are  
16 actually in operation. We have talked to owners  
17 of those assets and they would retrofit these

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18 boats. And we've made a production schedule, and  
19 it does kind of map out the course of about two  
20 years.

21 And we have tried to be careful that -- you  
22 know, we could have gone very heavy and we elected  
23 not to. And I think the people that we have  
24 presented the plan to, once they understand it,  
25 they actually appreciate that approach, that we

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1 didn't throw the kitchen sink, even though I think  
2 we all, in our hearts, feel like the environment  
3 deserves it and feel like industry could absorb  
4 that and absorb that easily.

5 DIRECTOR BROMWICH: Thank you. Lars.

6 MR. HERBST: Yes. Mr. Costner, just one --  
7 one question. There's -- well, first a comment.  
8 I guess there was much technology that was brought  
9 to bear on this incident, especially related to  
10 spill response, some performed probably miserably,  
11 others performed very well, and we learned things.  
12 As I worked at the Unified Area Command with Coast  
13 Guard and BP, I did hear favorable responses to  
14 your centrifuge equipment.

15 The main question is, Do you foresee some  
16 quantitative analysis coming out as far as the  
17 effectiveness of the centrifuge in the field? I  
18 know it's been tested at OMSA years ago. But as  
19 far as true -- true results, quantifiable  
20 results of the centrifuge?

21 MR. COSTNER: We have -- we have that. We  
22 have realtime data. We came to the fight very

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23 late. As you know, my struggle has been fifteen  
24 years, and we were tested successfully where you  
25 said. So the mystery of why it's taken this long,

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1 I think we'll just leave for another panel. Maybe  
2 let's not even call that panel. It's a horror  
3 story. I don't even like making those movies.

4 So, I think -- but it was tested in realtime,  
5 and it was asked to do things that have never been  
6 done on the water. We -- we -- we were able to  
7 separate oil concentrations that were as thick as  
8 peanut butter. The machine was never intended for  
9 that. But because the machine was dedicated for  
10 this purpose and this purpose only, it was robust  
11 enough to actually handle it.

12 It took us -- it took us about a week to  
13 figure out the engineering, but, again, we were  
14 only wanting to separate liquid/liquid, not  
15 liquid/solids. It also was then asked to separate  
16 dispersed oil, emulsified, and it just -- it was  
17 able to separate that. And, of course, it was  
18 always able to separate oil and water.

19 But one of the unique things that we had  
20 brought to bear where this is concerned is that we  
21 have -- we have challenged ourselves, knowing that  
22 EPA standards were 15 parts per million, and we  
23 took the stance, what if we could get under that.  
24 I don't know what's pushing me or burr's under my  
25 saddle, but we decided we would make that our own

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1 mandate.

2 And during the course of separating the three  
3 different things that we were asked to separate,  
4 we got below five parts per million, and sometimes  
5 we got even below undetectable. I wouldn't want  
6 to -- I wouldn't want to put that down in the  
7 report, although it's there. I wouldn't want to  
8 say that we could do that. But we now can safely  
9 operate under the current EPA standards of 15  
10 parts per million, and that -- I think that is  
11 significant. It's significant for the  
12 environment.

13 So there is realtime data. We came to the  
14 fight late, so there's not extensive data, but I  
15 think that everyone on this panel who has had an  
16 association with the centrifuge understands the  
17 efficiency that now boats can fill up with 100  
18 percent oil before coming in; that we can stay out  
19 there and work 24 hours; that it can work --  
20 because it's portable, it's able to work on the  
21 shallow water barges.

22 I developed this thing that was six inches  
23 tall, about as tall as this glass. When I  
24 finished two years later, it stood over eight feet  
25 tall and weighed about 4500 pounds. But we didn't

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1 stop there. What we did is we created four  
2 different size models; one for working -- you  
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3 know, different size models and, therefore, that's  
4 why our centrifuge is able to fit on Dan's -- on  
5 the Trinity boats. It's a very robust, portable  
6 piece of machinery.

7 And truth be told, I developed it also for  
8 fresh water because we know our rivers, we know  
9 the Great Lakes, we know what's happening when  
10 those ships come in to them, and we know that  
11 spills don't occur on the ocean. So, I kind of  
12 had this plan for a while. I finally got myself  
13 associated with some very strong people, some very  
14 dynamic partners. There was a moment in time  
15 where I was a little bit lost at sea myself.

16 MR. HERBST: So the report that you  
17 mentioned, I'm not familiar with it. Has that  
18 been submitted to --

19 MR. COSTNER: I think it's in a white paper.  
20 I think we have -- we not only sent our little  
21 sexy plan around, we sent the white report with  
22 the heavy lifting, and we can make sure that that  
23 comes to you.

24 MR. HERBST: Appreciate it.

25 DIRECTOR BROMWICH: Bill, any questions?

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1 MR. HAUSER: Just one follow-up question on  
2 that. You presented the plan to a number of  
3 folks. Has anybody made a commitment or what is  
4 their reaction?

5 MR. COSTNER: I don't want to speak for BP,  
6 but I -- they like the plan. They really -- they  
7 really like the shallow water version. They like  
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8 the idea that we're working with the existing  
9 assets. The rub comes with what they think is the  
10 absolute number that we need. In their minds,  
11 when they looked at our plan, they thought that 15  
12 of the boats, the deepwater vessels that are  
13 currently operating out there, would be enough.

14 I don't feel that because at any one point in  
15 time -- you know, we don't think that one scenario  
16 is the one scenario to look at. We feel that 40  
17 is the number to start with. And like I said in  
18 my report, we think that may be even a little  
19 light.

20 You know, actually, the way you posed the  
21 questions back to me, Mr. Director, it made me  
22 think about Cuba even more. It's like, are we  
23 light, because right now we're talking about the  
24 Gulf. We're not talking about the West Coast,  
25 we're not talking about the East Coast, and we're

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1 certainly not talking about Alaska. We're talking  
2 about the Gulf.

3 So, you know, I've said to the industry --  
4 because I'm talking with Chevron and Shell today  
5 when we leave here. And really what I've asked is  
6 that the red-hot spotlight, the white-hot  
7 spotlight, if you will, is on them. Let's not do  
8 the adequate. That's been -- that's been what's  
9 gotten us in trouble. You know, our point was,  
10 don't let this be the "Old Man and the Sea," and  
11 we submit you a plan that's 190 vessels versus  
12 6000, don't eviscerate this. Don't let this come

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13 back as skeleton and bones. Embrace this plan.  
14 So it has been embraced to a certain extent.  
15 The rub comes with what they think is -- is  
16 adequate versus what we think is overwhelming.  
17 And I would leave that -- I would leave that to  
18 you because I know you're in defense of everybody  
19 that's not in this room that won't be able to  
20 speak and will be able to have to live with the  
21 consequences when things go wrong again.

22 DIRECTOR BROMWICH: Thank you, and thank all  
23 of you for some really fine and thoughtful  
24 presentations. We're going to take a  
25 fifteen-minute break now, and then we'll resume

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1 with our second and final panel, which is going to  
2 be composed of elected officials from the area.  
3 Thanks very much.

4 - - -

5 (Break in proceedings.)

6 - - -

7 DIRECTOR BROMWICH: Why don't we go ahead and  
8 begin. This is our second and final panel of the  
9 day on offshore drilling, and we're very fortunate  
10 to have with us four distinguished elected  
11 officials from the surrounding area. Let me go  
12 ahead and introduce them starting to my -- closest  
13 to me.

14 I'm pleased to introduce Congressman Gene  
15 Taylor, who represents the Fourth Congressional  
16 District in Mississippi. Mr. Taylor is currently  
17 serving his eleventh term. Before coming --

18 before becoming a congressman, Congressman Taylor  
19 served on the Bay St. Louis City Council from 1981  
20 to 1983, and the Mississippi State Senate from  
21 1983 to 1989. Congressman Taylor was born in New  
22 Orleans and earned his Bachelor's Degree from  
23 Tulane University in 1976.

24 Sitting to Congressman Taylor's right is  
25 Mayor Connie Moran, who is the Mayor of Ocean

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1 Springs. Mayor Moran grew up in Ocean Springs and  
2 was elected Mayor of her hometown in June of 2005.  
3 Previously, she was president of Moran  
4 Consultants, providing marketing and business  
5 development services. She had fifteen years of  
6 experience in state and local government, served  
7 three years as Director of Jackson County Economic  
8 Development until March of 1999. And before that,  
9 for five years, she served as managing director of  
10 the State of Mississippi's European office based  
11 in Frankfurt, Germany, in which capacity she  
12 recruited new business and industry to the state  
13 on behalf of the Mississippi Development  
14 Authority.

15 Sitting to Mayor Moran's left is Connie  
16 Rockco. She is a Harrison County Supervisor  
17 currently serving her third term as District Five  
18 Supervisor. She is the President of the Harrison  
19 County Board of Supervisors, serving her second  
20 term as President, and she continues to devote her  
21 political career to improving the quality of life  
22 for District Five residents, concentrating on

23 improvements in education, roads, drainage, water  
24 and sewer, recreation, economic development,  
25 environment, senior services, and planning.

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1 And finally, sitting to Supervisor Rockco's  
2 left is Mike Mangum. Mike is a Jackson County  
3 Supervisor who works and lives in Pascagoula,  
4 Mississippi. He's elected to the Jackson County  
5 Board of Supervisors for the 2008 through 2011  
6 term, and became President of the Board in 2010.  
7 Prior to serving on the Board of Supervisors, Mr.  
8 Mangum participated in the Pascagoula City Council  
9 from 1996 to 2007, and served as Mayor Pro Tem  
10 from 2002 to 2007. He currently serves on the  
11 NACo Oil Spill Task Force roster.

12 I want to thank all four of you for being  
13 here. The format for this is a little different  
14 from the first panel. We'll just listen to your  
15 presentations in order, but there will not be a  
16 question-and-answer period. So, thank you very  
17 much for being here, and we look forward to your  
18 presentation.

19 MR. TAYLOR: I want to thank you for coming  
20 to South Mississippi and having this very  
21 important hearing. I'm going to try not to repeat  
22 what has already been said, but I want to let you  
23 know that I'm in agreement with what every one of  
24 these panelists said before me.

25 Number one, there's a number of things that

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1 need to change. But first off is, what was a  
2 Korean-built, Marshall Island-flagged, Swiss-owned  
3 rig doing operating in America's exclusive  
4 economic zone? Quite frankly, there is no excuse  
5 why that rig was not U.S. built, United States  
6 Coast Guard inspected, and U.S. owned, for every  
7 reason you can think of starting with the ten  
8 percent unemployment rate, but also the liability.  
9 And towards the question, one of the gentlemen  
10 asked, do we have the capability to do that, I  
11 would remind you that the world's most  
12 sophisticated aircraft carriers, submarines and  
13 warships are built in America. We can build an  
14 oil rig.

15 Secondly, the nation waited entirely too long  
16 to declare it an incident of national  
17 significance. My memory is that it was at least  
18 eight days from the day of the explosion before  
19 the nation said, we're taking over. But the truth  
20 be known, even after it was declared an incident  
21 of national significance, I found the Coast Guard  
22 extremely hesitant to take responsibility. And I  
23 don't say this -- I'm a former Coast Guardsman. I  
24 don't say that with any malice, but I find myself  
25 amazed that people who would gladly sail a ship

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1 into a hurricane were extremity reluctant to tell  
2 BP, Go do this or that.

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3           As much as four weeks after the accident I  
4 met with the local commander and asked him point  
5 blank, who is in charge, and he did not answer the  
6 question. Now, the following Monday, he did, but  
7 this is on a Friday at 6:00. He was there with a  
8 lady from BP. Neither one of them took  
9 responsibility. Neither one said they were in  
10 charge four weeks after the incident.

11           The second thing I'd do is, these local  
12 officials were absolutely pounded with requests  
13 for help from their constituents' fears, concerns,  
14 whatever word you want to use. It took the Coast  
15 Guard entirely too long to delegate people of  
16 responsibility. My personal friend, Captain Ed  
17 Stanton, was in charge of the whole Gulf of  
18 Mexico. He should have, from day one, delegated  
19 one commander for Alabama, another for  
20 Mississippi, another for portions of Louisiana,  
21 because the job was so big, the requests were so  
22 numerous. So there was a very, very poor job of  
23 saying who is in command.

24           The second thing is command and control.  
25 Four weeks after the incident, the Coast Guard

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1           helicopters, and the National Guard aircraft still  
2 could not talk to the vessels of opportunity. I  
3 remember flying with them one week after the  
4 incident and saying -- because, as it was pointed  
5 out by the gentleman from Chouest, you had boats  
6 going this way, boats going that way. None of  
7 them could see the oil. You could spot the oil

9-10-10

8 from above, but it took four weeks for there to  
9 get radios between the vessels of opportunity and  
10 the overhead assets.

11 To your question of why weren't they skimming  
12 at night, is observation. I want these gentleman  
13 to know that in the aftermath of 9/11, the EPA  
14 started a program called ASPECT. It was started  
15 up by some ex-CIA guys. The idea was to fly  
16 around a weapon of mass destruction, find out what  
17 it was, how bad it was, which direction it's  
18 going, and how fast it's traveling. It's called  
19 the ASPECT program.

20 These -- the EPA originally came down with  
21 that program to monitor the plum of the burns, but  
22 discovered that by tweaking their equipment that  
23 they could detect -- that they could tell the  
24 difference between seaweed and oil. And having  
25 flown the spill 20 times, I can tell you that from

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1 as close as 50 feet above, there some days it's  
2 almost impossible to tell is that -- is that  
3 seaweed; is that oil. In fact, I called up  
4 Mr. Dane's outfit one Sunday, got his son out of  
5 bed, to go run the skimmer out there and it turned  
6 out to be -- pleasantly surprised -- it turned out  
7 to be seaweed instead of oil, but it sure looked  
8 like -- to everyone on that helicopter, it sure  
9 looked like oil.

10 So you need continuous overhead assets. I  
11 would strongly encourage our nation to take that  
12 ASPECT program, put it on a geosynchronous

9-10-10

13 satellite so that you have continuous overhead  
14 assets looking. And the reason I think it's  
15 important to say continuous is, there was one day  
16 when I flew the spill with the Commandant of Coast  
17 Guard at 9:00 in the morning; we didn't see any  
18 oil. I flew the exact same route at 1:00 that  
19 afternoon in a place that's only got about, at  
20 max, two-knot currents, and there was oil off of  
21 one of our harbors that had literally traveled 110  
22 miles subsurface, got into some sort of a  
23 warm-water uplift, and it popped up just off of  
24 Long Beach Harbor. So it did happen and certainly  
25 can happen again. That's why it's got to be

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1 continuous.  
2 The communication. Command and control. But  
3 lastly, I cannot emphasize enough that it's  
4 America's exclusive economic zone. Those jobs  
5 ought to be going to Americans. I flew, as I  
6 mentioned. It's now, what, over a hundred days  
7 since the incident? I have not seen the Korean  
8 Coast Guard show up. I have not seen the Marshall  
9 Islands Coast Guard show up. I haven't seen the  
10 Swiss Coast Guard. They made the money. We got  
11 stuck with the bills. This ought to be for  
12 American jobs for American citizens. Thank you  
13 very much.

14 DIRECTOR BROMWICH: Thank you very much,  
15 Congressman Taylor. We very much appreciate it.  
16 Mayor Moran.

17 MS. MORAN: Thank you very much for being  
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18 here in South Mississippi. We appreciate you  
19 making the trip and the effort.

20 I will have to say, from an elected  
21 officials' point of view here on the Gulf Coast,  
22 our main concern -- and I, of course, share this  
23 with Connie Rockco and Mike, and all of the eleven  
24 mayors here on the Gulf Coast -- was the  
25 incredible lack of communication from the outset

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1 between the incident command, the unified command  
2 in Mobile. We had no command here on the  
3 Mississippi Coast. It was all located in Mobile  
4 with hundreds of Federal and State officials  
5 running around, and it just was very  
6 uncoordinated.

7 And, quite frankly, we found that extremely  
8 exasperating, to the point where I personally  
9 called the Department of Environmental Quality  
10 representative of unified command and said,  
11 Please, you must come. I will have a meeting here  
12 at city hall. I will invite all the mayors and  
13 the county supervisors, and just give us a  
14 briefing. This happened May 21st, so,  
15 literally, a month we had no communication really  
16 of what was going on, and we're the people that  
17 our constituents looked to for answers. We  
18 literally were out of the loop.

19 So then I contacted the governor's office,  
20 and they said that they would help sponsor that,  
21 and that meeting did take place then at our  
22 Department of Marine Resources in Biloxi. And

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23 they gave us an overview of how the spill response  
24 was going on out in the deepwater, and when any  
25 oil would approach the islands, they would head it

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1 off at the Pass, like Dog Key Pass between Horn  
2 and Deer Island. That's the area of Jackson  
3 County and Ocean Springs where we're most  
4 vulnerable. We were basically told, Don't really  
5 do anything. Even when oil comes up on the beach,  
6 we're going to take care of that, too.

7 They invited the counties and the cities to  
8 present a plan of what we would like for equipment  
9 and supplies in order to assist on the shore if we  
10 had any on-shore impact. All of our cities, we  
11 did that, and we did receive some equipment. We  
12 also put up fencing barriers along that is a  
13 hydrophilic fencing that you might still see while  
14 you're down here that would absorb oil, but water  
15 would still be able to flow. Our main concern was  
16 protection of the marshes, especially how we had  
17 seen the Louisiana marshes were so decimated. So,  
18 we did get that going, but it was, again, a couple  
19 of months or six weeks out.

20 There was really no idea of what to do. The  
21 response effort was laughable. They put up the  
22 18-inch booms, which was nothing more than a speed  
23 bump for any real oil response, so a lot of  
24 resources spent on that. Also, hundreds of vacuum  
25 trucks were brought in and staged in Harrison

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1 County and in Jackson County waiting to suck up  
2 oil out of skimmers. The problem was, there was  
3 only one skimmer.

4 So, the panel this morning, I was very  
5 impressed in that we have an absolute inadequate  
6 amount of vessels, and that certainly needs to be  
7 beefed up. That needs to be coordinated. I was  
8 impressed with Mr. Costner's plan. It's simple,  
9 it's doable, but certainly we could have a number  
10 of vessels in various ports along the Gulf of  
11 Mexico for a quick response.

12 After being told by BP and the State and  
13 Federal officials, "Don't worry, we have it all  
14 taken care of. We have 4000 vessels of  
15 opportunity, just -- we're the Navy, y'all are the  
16 militia. Just sit tight." And then out at Horn  
17 Island on one weekend -- this is the day after the  
18 incident that Congressman Taylor was talking  
19 about -- oil came through the Pass, five miles  
20 long. It was perfectly calm water. You could  
21 have skimmed it up very easily. Not a vessel in  
22 sight except a Coast Guard cutter way off on the  
23 south side of the islands.

24 I was absolutely incensed, called unified  
25 command, did speak to the BP representative, and

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1 she told me, "well, Connie, there just aren't any  
2 vessels, or they're deployed elsewhere." So all

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3 the promises that were made to us, that did not  
4 materialize.

5 I will say communication did become better as  
6 time went on, but that's because we were very  
7 aggressive and made sure that we knew who the  
8 Coast Guard officials were and the DEQ, and DMR,  
9 and BP representatives.

10 They sent scientists in. We talked about  
11 having more significant boom, significant ocean  
12 boom that would be manufactured specifically for  
13 our areas, and the Pascagoula River is one area,  
14 the Pass cutting off to the Biloxi Bay, because  
15 once oil would get into those estuaries and into  
16 the bays and bayous, you're looking at thousands  
17 upon thousands of wetland acres that could be  
18 impacted. So, that was our fear, I will say, as a  
19 local elected official, was the long-term impact  
20 on our environment; and then, of course, the  
21 impact on tourism and fishing/shrimping industry.

22 So right now, we all serve on the governor's  
23 Gulf Restoration Commission. A vision plan will  
24 be presented September the 23rd. I would like  
25 to include in that plan even -- there's a lot

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1 about studying and long-term effects on the  
2 environment in that plan, and there's some  
3 economic development. But, really, I would like  
4 to see more of what your bureau can do to ensure  
5 that we have an adequate oil spill response in the  
6 future because what we had was old, fifty-year-old  
7 technology. It was -- I think the unified command  
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8 deserved the Headless Chicken Award, quite  
9 frankly, and that we just do better. We need to  
10 do better.

11 If we used Europe as a model, let's do that.  
12 Obviously, you've got the expertise here. You saw  
13 the panel this morning. We have the capacity here  
14 to build these vessels here. And, certainly, we  
15 would like to see the Federal Government response  
16 immediately to let's get this up in gear and get  
17 going. Thank you very much for the opportunity to  
18 be here.

19 DIRECTOR BROMWICH: Thank you very much. We  
20 really appreciate your comments. Supervisor  
21 Rockco.

22 MS. ROCKCO: Thank you, again. I concur with  
23 my colleagues in our appreciation to having you  
24 visit the Mississippi Gulf Coast and listen to  
25 some of our -- our concerns.

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1 Again, I will reiterate that the area  
2 contingency plan was inadequate to say the least.  
3 We suffered some of the same issues over and over  
4 again, and we had a 60-day period from the time  
5 that the oil hit Louisiana shores until it hit  
6 Louisi- -- Mississippi. We brought forth many  
7 ideas because we felt that we were not being taken  
8 care of whatsoever. So, once those ideas reached  
9 incident command, they disappeared.

10 So, incident command in the wake of a  
11 crisis -- we saw this in Katrina and we see it  
12 here -- does not work. It is much too big. It

9-10-10

13 has too many layers, and it's not from the bottom  
14 up as it's designed; it's from the top down.

15 And we have a 26-mile manmade beach, which is  
16 much different than the -- our sister state,  
17 Alabama, and also Louisiana -- I mean, Louisiana,  
18 of course, they can't decide whether they're going  
19 to be land or water, as we heard that earlier.  
20 But our beach is much different, our -- the  
21 bathymetry of the water is -- is different. It's  
22 much shallower than any of our coastlines, so --  
23 of our neighboring states, so it's very important  
24 that we be looked at individually, even though --  
25 and that we be regulated individually, as well.

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1 The shallow skimmers are much better, and  
2 also Kevin Costner's idea, that's technology that  
3 should have been in place. There's no arsenal  
4 available. With BP or the Marine Spill Response  
5 Corporation, is not -- the Corps doesn't work as  
6 first responders because they -- they work -- seem  
7 to work in a vacuum, not taking into  
8 accountability the resources of the individuals  
9 who are first responders, boots on the ground on a  
10 local level.

11 Also, the GOMESA is very important. That  
12 funding is extremely important to the Mississippi  
13 Gulf Coast in restoration projects throughout our  
14 county. I cannot -- and I would say the entire  
15 coastline, our coastal three counties; Hancock,  
16 Harrison, and Jackson.

17 Also, some of the varying -- some of the

9-10-10

18 things that we ran into, as well, is there was no  
19 plan for disposal. We do understand that the oil,  
20 after it came up on the shore was tarballs and  
21 they were going to pick those up. Then what do  
22 they do with them? There was no con- -- there was  
23 no plan. There was no plan for a hurricane out of  
24 incident command until much, much later, until --  
25 until the crisis was almost over.

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1 There is technology available to take care of  
2 oil spills and that technology was presented over  
3 and over to BP, and also to DEQ, and to the  
4 Department of Marine Resources. But again, it  
5 could not get through the barrier that we had.  
6 Technology that could -- pile layers, I think, are  
7 very -- and they made that presentation, and it  
8 was great. But instead, they chose at the last  
9 minute, to put it into a local landfill. And we  
10 didn't feel -- we did feel it was special waste,  
11 but it was mixed with the garbage, and also it  
12 came in and they said once it was weathered that  
13 it would be okay to put into a landfill or would  
14 be permissible, but we didn't see it that way.  
15 You shouldn't dump on us in our front yard and  
16 then turn around and dump on us in the backyard,  
17 not when there's technology available. And there  
18 is technology available for the crisis that we  
19 saw.

20 And the VOO program was a complete disaster.  
21 I went out there well into the spill, and I think  
22 Connie Moran -- we all have a -- we have a

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23 boots-on-the-ground type of mentality here after  
24 Katrina. We helped people clean up their yard,  
25 even. But -- so, we wanted to see what was

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1 happening, and we saw oil and dispersant. And at  
2 2:00 in the afternoon, no one had any boom. There  
3 was -- what they called skimmers was two pleasure  
4 boats pulling 20 foot of boom, very unacceptable,  
5 in a straight line, and there was no oil there.  
6 It was down the road -- down the -- down the  
7 shore.

8 Dispersants are not used in Europe, so why  
9 are they used here? If we have effective skimmers  
10 that we can build right here in Harrison County,  
11 and dispersants, which we feel are an added  
12 problem to our environment and are very hazardous  
13 to -- if they don't use them in Europe, why do we  
14 use them here in the United States?

15 I guess that I just about covered everything  
16 and, again, I appreciate you coming. I appreciate  
17 you listening attentively. I hope that we can  
18 have -- that we will continue to be -- I also am  
19 on the five-state and the governor's commission  
20 task force, and I hope that we can continue to  
21 have a dialogue with local leaders and local civil  
22 defense directors who are used to crisis and hope  
23 we can have that dialogue to build a plan that  
24 will work for Harrison County and for all five  
25 states that have been affected by this oil. Thank

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1 you.

2 DIRECTOR BROMWICH: Thank you. Thank you  
3 very much for your comments and observations.  
4 Supervisor Mangum.

5 MR. MANGUM: I appreciate the opportunity to  
6 be here, appreciate you being here to listen to  
7 our concerns. Being last on the list, though, in  
8 an effort not to recap everything that they said  
9 but to just highlight a few things, the NIM  
10 (phonetic) system for the unified command was  
11 built from the top down and it should have been  
12 built from the bottom up. Anytime that a response  
13 occurs, it has to be built from the bottom up.  
14 The people with the feet on the ground, the local  
15 response, has to be included in all of that, and  
16 we felt like that it was not something that we  
17 were able to get ready -- readily access to the  
18 information that we needed to respond to our  
19 citizens as they called in sightings of  
20 information and things. The information had to be  
21 relayed around through a number of avenues.

22 As has been stated, the response -- as it  
23 come ashore in Mississippi, the plan all along was  
24 -- is that we're going to battle this effort  
25 beyond the barrier islands before it gets to the

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1 shore. The only problem with that was is that the  
2 equipment to do that battling wasn't in place so

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3 that when it did come in, it come right on through  
4 the passes and the islands right on the shore.

5 So, we need -- we need to have equipment  
6 staged in the area. We need to have the  
7 materials, the booming, and that type of thing  
8 staged in the area. We need to have people,  
9 contractors in place that are trained to deal with  
10 the product in place to where they can do it. We  
11 also need the facilities to store that equipment  
12 in somewhere in the region to where that stuff is  
13 available to us.

14 One of the other things is that, as we've  
15 seen from previous disaster, I hope we'll do a  
16 lessons learned from this event and look at the  
17 materials that were used and the techniques, look  
18 at all of the things that were suggested that come  
19 out of this. When you look at the plans that were  
20 out of the -- that were available when the  
21 response started, some of that technology and some  
22 of those things fit maybe in other places. They  
23 didn't exactly fit here altogether. And so, we  
24 hope that they take all of that information along  
25 with the technology, the materials, and some of

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1 the equipment that was done, and be able to come  
2 up with a lessons-learned plan that will add to  
3 the availability of being able to properly respond  
4 to it in the Gulf states, but also will not add  
5 tremendous amount of layer of bureaucracy to it  
6 because we don't need to -- we don't need to have  
7 to go through some of the things that we go

9-10-10

8 through to get equipment, to get response times,  
9 to get things in place.

10 As we learned and has been stated, the  
11 communications was a huge deal afterwards. I flew  
12 several times on the UH 72s, the helicopters out  
13 of the National Guard base. You could see  
14 product, you could see material, you could see the  
15 VOOs. You just couldn't communicate with them and  
16 tell them, You need to go over to the left just a  
17 little bit and you'll find it. And so eventually  
18 that did come about through the -- through the  
19 governor's office with some radio equipment that  
20 was made available, and that was given to the --  
21 to the helicopters, to the Coast Guard, back to  
22 the area commands, back to the VOOs to where they  
23 could communicate.

24 we've got the technology available. If those  
25 guys out there had GPS units and they had radios,

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1 it's not complicated. When the helicopter gets  
2 the points and be able to radio it down there, and  
3 they could go right to the spot and find the  
4 equipment -- find the material that's down there  
5 and be able to pick it up in a manner that will  
6 allow it to be done before it gets away from them  
7 to where they can't find it anymore.

8 So, just to kind of recap a little bit, we do  
9 need responsible drilling in the Gulf. We do need  
10 the drilling to be done. We need better oversight  
11 of the equipment that's out there so that we know  
12 that they're following the regulations that

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13 they're supposed to be following; that we put  
14 things in place that will better protect us. But  
15 we need a better preparation plan in place, and we  
16 need a better response plan in place so that if  
17 something does happen, and we're all human and  
18 things will happen, that we're -- we have the  
19 availability to properly respond to those  
20 responses and that we've got the equipment and the  
21 materials to do it with, and the trained -- and  
22 technology of all -- everything that can be  
23 brought to bear on this.

24 we also need to -- need to look at the future  
25 of this. If anything happens again that --

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1 especially in the Gulf, that there's some kind of  
2 coordination between organizations. I know there  
3 must be -- a couple of weeks ago, there probably  
4 was ten different people out there doing sampling  
5 and testing. We need to have a unified method of  
6 testing so that everybody is doing the same thing  
7 the same way and that we get all that information  
8 gathered in one database to where we can all share  
9 that information and know, because right now we've  
10 got -- we've got a situation where there is not a  
11 lot of confidence in the information that's coming  
12 out because there's different groups doing it,  
13 different agencies doing it. Nobody is  
14 communicating. We need to do a better job of  
15 communicating that information out so that  
16 everybody understands that if everybody is saying  
17 that the -- that the seafood is safe, the water is

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18 open for fishing, that everybody can believe that  
19 information and that everybody can hear that  
20 information in one unified voice from all of the  
21 agencies that it's safe.

22 And because we live on -- we not only live  
23 with the offshore drilling, and that's part of our  
24 economy, we also live with the seafood industry,  
25 and that's part of our economy. Tourism is all

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1 part of it. And we need to -- we need to do what  
2 we need -- what needs to be done to bring that  
3 back to our economy in the area because if we  
4 don't, we're going to have to look at different  
5 industries and a different way of doing things.  
6 And we provide a lot of seafood in the area that's  
7 shipped all over the country, and we want those  
8 folks in Maine, or in Boston, or in Seattle,  
9 Washington to feel comfortable about eating Gulf  
10 seafood.

11 Again, just thank you for the opportunity to  
12 be here and we appreciate y'all coming and being  
13 here and hearing our concerns. Thank you.

14 DIRECTOR BROMWICH: Thank you, Supervisor  
15 Mangum, and thank all four of you for providing  
16 really very relevant and informed comments. I  
17 think what was striking about all four of you is  
18 sort of the detailed information you had based on  
19 your own experiences through this crisis and these  
20 problems, and I think that's very useful for us,  
21 to hear from people who run the front lines and  
22 saw what worked, and you've been very frank about

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23 what didn't work, and that I think is in some ways  
24 more important.

25 I'd like you to, as I invited the members of

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1 the first panel, to take a look at the lessons-  
2 learned document that BP submitted to me last  
3 week, which is available online, and to comment on  
4 it from your own individual perspectives because  
5 that shouldn't be the last word on what worked and  
6 what didn't work. You have your own unique  
7 individual perspectives, which I think are very,  
8 very useful and will be useful to us as we move  
9 forward.

10 So, if you have the time and are interested  
11 in contributing to the continuing dialogue on  
12 that, that would be very significant. Supervisor  
13 Mangum, you mentioned the importance of having a  
14 lessons-learned exercise. I couldn't agree with  
15 you more. I think it's vital that we learn from  
16 this experience, which is why I directed BP to  
17 submit their own lessons-learned document on spill  
18 containment and spill response. But again, that  
19 can't and shouldn't be the last word on the  
20 subject. That needs to be a starting point, but a  
21 product that is built on and that becomes  
22 something robust enough that we can really learn  
23 the lessons and do better the next time. So, I  
24 invite you as I've invited others to please  
25 provide your experiences, your perspectives, to

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1 the whole effort in the context of what BP has  
 2 already said. And I think we can, by doing that,  
 3 really develop an extremely strong lessons learned  
 4 that we can move forward from.

5 So, again, thank all four of you very much  
 6 for your contributions. And that ends our seventh  
 7 public forum here in Biloxi, Mississippi. So,  
 8 thanks, again.

9 MS. ROCKCO: Thank you for telling us about  
 10 the BP because we didn't know about it.

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 (Proceedings concluded at 12:00 p.m.)  
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C E R T I F I C A T E

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STATE OF MISSISSIPPI

9-10-10

3 COUNTY OF HARRISON

4 I, Lisa Hood Brown, CSR, Freelance Court  
5 Reporter and Notary Public, duly commissioned for the  
6 County of Harrison, State of Mississippi, do hereby  
7 certify;

8 That on the 10th of September, 2010, the  
9 preceding one hundred twenty (120) typewritten pages  
10 contain a full and correct copy of my stenotype notes  
11 and/or electronic tape recording of the proceedings;

12 That I am not related to or in anywise  
13 associated with any of the parties to this cause of  
14 action, or their counsel, and that I am not financially  
15 interested in the same;

16 IN WITNESS WHEREOF, I have hereunto set my  
17 hand, this the 15th day of September, 2010.

18

19

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21

Lisa Hood Brown, CSR, Notary Public,  
State of Mississippi, County of  
Harrison. My commission expires  
2/6/2014. CSR #1166

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