1659169688-6992-19559-188-104

From: Marcia K McNutt <mcnutt@usgs.gov>
Sent: Wed, 4 Aug 2010 15:13:26
To: GS FOIA 0105 <foia0105@usgs.gov>
Subject: Fw: Short term and long haul

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----- Forwarded by Janet N Arneson/DO/USGS/DOI on 08/04/2010 03:12 PM -----

From: "Wereley, Steven T." <wereley@purdue.edu>

To: "Bill.Lehr@noaa.gov" <Bill.Lehr@noaa.gov>, Juan Lasheras <lasheras@ucsd.edu>, "'Franklin Shaffer'" <Franklin.Shaffer@NETL.DOE.GOV>, "ira.leifer@bubbleology.com" <ira.leifer@bubbleology.com>, "pdy@clarkson.edu" <pdy@clarkson.edu>, "savas@newton.berkeley.edu" <savas@newton.berkeley.edu>, "pedro.espina@nist.gov" <pedro.espina@nist.gov>, "aaliseda@u.washington.edu" <aaliseda@u.washington..edu>

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<rileyj@u.washington.edu>, Chris Barker <Chris.Barker@noaa.gov>

Date: 05/31/2010 04:12 PM

Subject: RE: Short term and long haul

Bill, I could definitely benefit from putting a grad student on this. The problem is they have to eat and pay rent. Is there any way to get some funding for graduate assistants?

Steve Wereley, Professor of Mechanical Engineering
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From: Bill Lehr [mailto:Bill.Lehr@noaa.gov]
Sent: Monday, May 31, 2010 10:39 AM
To: Juan Lasheras; 'Franklin Shaffer'; ira.leifer@bubbleology.com; pdy@clarkson.edu; savas@newton.berkeley.edu; pedro.espina@nist.gov; Wereley, Steven T.; aaliseda@u.washington.edu
Cc: 'Marcia K McNutt'; pmbommer@mail.utexas.edu; rileyj@u.washington.edu; Chris Barker

Subject: Short term and long haul

TeamLogo.pngPLUME TEAM

Dear experts,

With the failure of Top Kill, I anticipate a long time period of oil leakage. I think we need to look at expectations for the short term and for the long haul.

SHORT TERM:

Conference call on Thursday to define min/max flow rate based upon the new videos. I have attached a suggested format and sample report for researcher's individual reports so we can quickly assemble the results into a more organized final report than as was the case for the interim released last week. I have asked BP to provide me the averaged gas/oil ratio from the RITT from May 17 till the start of Top Kill. This may help compute an average gas/oil ratio for the whole flow. Of course, it will not give you values for any particular 30 minute clip.

LONG HAUL

We have asked for high quality video of the severed riser flow. According to BP, this should increase flow approximately 20%. Since this process could go on for some time, you might want to look for additional assistance such as graduate students etc. Following my own advice, I have added Dr.. Chris Barker to this email. Omer, he is one of yours, a Berkeley grad. Said he took a course from you.

Good luck and thanks for your help, everyone.

Bill