

1722083714-22642-17110-159-143

From: Marcia K McNutt <mcnutt@usgs.gov>
Sent: Wed, 4 Aug 2010 15:08:01
To: GS FOIA 0105 <foia0105@usgs.gov>
Subject: Fw: video and small leak estimate

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----- Forwarded by Janet N Arneson/DO/USGS/DOI on 08/04/2010 03:07 PM -----

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To: "Bill.Lehr@noaa.gov" <Bill.Lehr@noaa.gov>, "Espina, Pedro I." <pedro.espina@nist.gov>, "pete@gso.uri.edu" <pete@gso.uri.edu>, Alberto

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Cc: Juan Lasheras <lasheras@ucsd.edu>, Marcia K McNutt <mcnutt@usgs.gov>, "Moran, Kathryn" <Kathryn_Moran@ostp.eop.gov>

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Date: 05/25/2010 02:36 PM

Subject: RE: video and small leak estimate

All, to make sure that we're comparing apples to oily apples, I have a number for the "small leak" of 11,000 bbl/day and the big leak of 72,000 bbl/day. These are detailed in my ppt report that was distributed last week. Both numbers represent total flux--i.e. oil plus gas. Considerable uncertainty remains with regards to intermittency in the riser pipe leak but not so much with the kink leak. It's clear that the high resolution images of the riser pipe leak will help us tremendously.

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

From: Bill Lehr [mailto:Bill.Lehr@noaa.gov]
Sent: Tuesday, May 25, 2010 2:34 PM

1722083714-22642-17110-159-143

To: Wereley, Steven T.; Espina, Pedro I.; pete@gso.uri.edu; Alberto Aliseda; James J Riley; Franklin Shaffer; ira leifer; Savas@newton.berkeley.edu; Paul Bommer
Cc: Juan Lasheras; Marcia K McNutt; Moran, Kathryn
Subject: video and small leak estimate

Who has numbers besides Steve for the kink leak? The Commandant threatened to lock us in the room and slip pizzas under the door till we gave numbers but I will personally buy pizzas for anybody who offers numbers on the kink leak on the call today.

Here are some riser leakage calculations that have been made so far (bb1)

PIV method (Steve) 56-84 K
Similarity to Deepspill (Pooji) 23 K
Back calculating from surface oil and mass balance (Bill) 15-30 K
Nodal analysis (Paul) 32 K

Some new videos are up on the ftp site and others will be added in the next few hours.

phone in 888 390 3155

access code 