

From: SLV | Ken Salazar
Sent: Sunday, June 13, 2010 5:58 PM
To: SCHU; McNutt, Marcia K
CC: OConnor, Rod; Hayes, David; 'carol_m._browner'; Majumdar, Arun; 'sblack@lanl.gov'; 'dabblank@sandia.gov'; Poneman, Daniel; 'rcdykhu@sandia.gov'; 'gcooper@berkeley.edu'; 'John_P._Holdren'; Hunter, Tom (Sandia); Hurst, Kathy; 'Ray_Merewether@seektech.com'; 'RLG2@us.ibm.com'; 'slocum@MIT.EDU'
Subject: Re: Tomorrow's meeting at DOE

Steve,
I would like us to start the meeting at 5:30 at DOE. If the DOE team needs more time until 6:30 or later, we can just have the FRIT team in another conference room. I will entertain them. Unless it is an insurmountable issue, we need to arrive at a federal number tomorrow night. Hope this is ok. I am now on a plane for the next several hours.
Ken

From: SCHU <>
To: SLV; McNutt, Marcia K
Cc: OConnor, Rod <Rod.OConnor@hq.doe.gov>; Hayes, David; Carol Browner <>; Majumdar, Arun <Arun.Majumdar@hq.doe.gov>; Black, Stephen J <sblack@lanl.gov>; Blankenship, Douglas A <dabblank@sandia.gov>; Poneman, Daniel <Daniel.Poneman@hq.doe.gov>; Dykhuizen, Ronald C <rcdykhu@sandia.gov>; George Cooper <gcooper@berkeley.edu>; Holdren, John <>; Hunter, Tom (Sandia) <tohunte@sandia.gov>; Hurst, Kathy <kthurst@sandia.gov>; Ray Merewether <Ray_Merewether@seektech.com>; Richaard Garwin <RLG2@us.ibm.com>; Slocum, Alexander <>; slocum@MIT.EDU <slocum@MIT.EDU>
Sent: Sun Jun 13 17:27:44 2010
Subject: Tomorrow's meeting at DOE

Ken,

Tom and I spoke today about the status of our flow measurement/calculation. There will be a 7 pm call of the science team to review the calculations of the Lab scientists. The actual flow measurements will probably begin sometime late this afternoon or early evening.

The Lab people were originally expecting to have things ready by 5:30 pm tomorrow. We now are guessing we will only be at a 50-60% confidence level by tonight. By tomorrow late afternoon, we hope that we can be a 95% confidence that we can come up with a trustworthy number.

I propose we start the meeting at DOE with Interior and representatives of the USGS flow teams at 6:30 at the earliest, and to be safer, 7 pm. We will have another DOE/science team meeting Monday afternoon starting at 5 pm, and will need one and a half hours to thrash things out.

I would much rather delay a day than put out number that will have to be corrected in a day or two.

Steve

If you are interested, the structure of today's science team meeting.

slide 1 title page
Analysis of flow in top hat #4 and riser

slide 2 table of contents

Problem statement Houston team

System description Houston team

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Problem description	Houston
Analysis Approach	Wayne (with input from 3)
1) Assumptions	
2) Defining Equations	
3) Method of Solution	
Results	Scott(with input from 3)
Sensitivity Analysis	Scott (with input from 3)

Slide 3 Problem statement

Slide 4 System description Artist concept of top hat from BP

Slide 5 System description Design of top hat

Slide 6 System description design of ball valve

Slide 7 Problem definition
Sketch of idealized model showing vents, riser, and riser

Slide 8 Analysis Approach--common Assumptions
including table of reference properties at a reference pressure,temperature,
density,viscosity,void fraction

Slide 9 Analysis Approach---defining equations

Slide 10 Analysis Approach--method of solution

Slide 11 Results
table of 3 calculations and vent, riser, skirt flows

Slide 12 Sensitivity Analysis
table of pressure, temperature, skirt area, loss factor skirt, loss factor
reference versus up and down

Appendix x3

Steven Chu
Department of Energy

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