BP

144847.1.2

-----Original Message-----
From: SCBO [mailto:SCBO@gsa.doe.gov]
Sent: Monday, May 31, 2010 9:56 AM
To: Hunter, Tom; Teschner, Sheldon R
Cc: Majumdar, Anuradha Prasad; Daniel; George Cooper; Holdren, John
(John_P._Holdren@epa.gov); Hunter, Tom; Hurst, Kathleen T; jean.chu@stanford.edu; 'Marcia K McNutt'; Ray Mereweather; Richard Garvin; O'Connor, Rod; Slocum, Alexander
Subject: RE: Flow

Sheldon,

Any news on the analysis from yesterday?

I discussed with Tom Hunter yesterday afternoon the importance of doing a completely independent analysis of the top fill data. The BP scenarios are reasonable, but I see a number of other scenarios. While it will not influence the strategy going forward, it is necessary for the communications to the American public the likely state of the BOF and well, and the risks going forward.

The bottom line is whether we agree with BP the most likely scenario is their scenario 1. If so, we need to communicate this to the public. I see a number of other scenarios that may be consistent with the observations.

I am looking at the flow records, but in the "rapid fill" record, the data starts at 1000. (I will send the pressures at the well head and total BOF before that event, flow stopped down from 27 bpm to zero, the pressure on the choke line went up, while the pressure on the lower BOF went down.)

There were approximately one minute delay from the time the flow rate was stopped in the choke line pressure equilibrating. There was another one minute delay from the choke line pressure to the time the pressure in the lower BOF went up. It took a while with possible flow from the potentially closed spout: the seal assembly just below the BOF,