

From: Daubin, Brian M
Sent: 8/15/2014 9:55:12 AM
To: Eng, Terence (terence.eng@cpuc.ca.gov) (terence.eng@cpuc.ca.gov); Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov) (elizaveta.malashenko@cpuc.ca.gov)
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Bcc:
Subject: FW: Note from CPUC NDE Meeting 8/8/2014

Terence,

Prior to reviewing today's update, I wanted to get these notes from last week's meeting out. My apologies for the delay to get them to you. As always, I appreciate your input into this effort to remediate these non-compliant inspections, and to collaboratively work to find the best solution to ensure the safety of our pipeline.

Please let me know if you have questions or concerns regarding these materials or any other item related to these efforts.

Thanks again,

Brian M. Daubin
Pacific Gas & Electric Co.
925-783-3622 (cell)
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"Never tell people how to do things. Tell them what to do and they will surprise you with their ingenuity."
--George S. Patton, US Army General

From: Brian M. Daubin [mailto:no-reply@evernote.com]
Sent: Friday, August 15, 2014 9:50 AM
To: Daubin, Brian M
Subject: Note from CPUC NDE Meeting 8/8/2014

Attendees:

Terence Eng

Brian Daubin

Brian Daubin provided weekly slide deck:

Brian Daubin provided an overall update to the (4) Major Workstreams

- L-114 (Complete)
- Extent of Conditions for TCI Inspections (on-going)
- NDE Program Enhancements (Complete)
- NDE Program Validation Protocols/Extent of Conditions (on-going)

Brian Daubin provided an update to the TCI Validation currently assigned to LLNL:

- LLNL has completed "Technical Report"
- Model provides numerical results to their findings, however, the report leaves PG&E with two actionable items to get to a point of clarity:

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- Need to GeoLocate all welds and determine the following:
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1. Determine Tie-In Welds
2. Determine welds IN areas susceptible to ground movement
3. Determine welds NOT in areas susceptible to ground movement

- PG&E will consider all Item 3's as being closed, and no further remediation is required
- PG&E will conduct a Critical Flaw Size Analysis (CFSA) with Items 1&2 above

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- CFSA to be done by LLNL and a 3rd party of their choosing
- CFSA will determine probability of a potential defect for each weld based upon missing coverage areas, potential strains due to ground movement, and like material properties of weld/pipe metals

Brian Daubin provided an update to the System-Wide NDE Program Validation Protocols:

- PG&E continuing to refine "Factors for Inclusion" for at-risk welds
- PG&E has secured a contractor with 3rd Party Expert to review all updated Procedures/Standards associated with the changes to the IM program as a result of the TCI non-compliant inspections
- PG&E targeting system-wide implementation Q1 2015

Brian Daubin provided a response to SED's 7/22/2014 Request:

- SED requested that PG&E confirm that each of the 488 welds were in fact hydrotested

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○ PG&E provided the following response:

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- All 488 Welds were reviewed

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- 418 welds were confirmed to have a compliant HydroTest
- 57 welds were Tie-In welds and therefore could not be HydroTested
- 11 welds need further investigation (AB package not yet completed at the time of request)
- 2 welds had no weld numbers within GIS and needed further analysis

- Updates to the 13 welds needing further information will be provided by 8/15/2014

Brian Daubin presented next steps:

- PG&E to provide final "Technical Report" to SED
- PG&E to provide Revision 2 of HydroTest analysis of 488 TCI welds
- PG&E to GeoLocate all welds and perform analysis of those welds in areas susceptible to ground movement
- LLNL to analyze all welds in areas susceptible to ground movement, plus Tie-In welds based upon Critical Flaw Size Analysis principles
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