



CPUC Meeting Materials

Weekly Non-Destructive Examination Program Updates

November 15, 2013

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- PG&E/SED Alignment
 - L-114
 - Extent of Conditions for TCI Inspections
 - NDE Program Enhancements
 - NDE Program Validation Protocols/Extent of Conditions (LLNL)

- Completed Activities To Date

- Next Steps
 - Schedule
 - Immediate Needs

- PG&E would like to update SED each week with the intent on covering (4) components to the overall NDE Program:
 - L-114 – This will be an update to the progress of PG&E’s final report detailing the findings and remediation of any and all concerns with L-114 in Brentwood.
 - Extent of Conditions for TCI Inspections – This update will consist of all activities related to the validation of TCI welds as defined in the Testing Plan submitted to SED
 - NDE Program Enhancements – This will be an update to our progress of NDE enhancements spanning from Q3 2012 through present day.
 - NDE Program Validation Protocols/Extent of Conditions (LLNL) – This will be an update to progress associated with the Validation of all vendors in the Pipeline Safety Enhancement Program. This program will identify the necessary actions required by PG&E to ensure no weld integrity issues exist.

- PG&E Activities to validate welds inspected by TCI¹:
 - XXX
 - XXX
 - XXX
 - XXX
 - XXXX

¹Activity progress/completion is discussed in the Completed Activities To Date section



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NDE Program Validation Protocols

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- PG&E terminated TCI as a PG&E-approved vendor (4/1/13)
- Review of 3,755 inspections dating from 2012-2013¹
- Submittal of “Quality Assurance Program for Radiographic Inspections” presented to CPUC (10/31/13)
- Increased frequency and quantity of job site observations of NDE contractors
- Completed a detailed, independent third-party review of all contractors certification programs and NDE Procedures
- Retained qualified independent third-party to review all TCI Validation radiographs
- Completed notification to local agency authorities in the cities and counties affected by the citation in accordance with Resolution ALJ-274 (11/6/13)
- “With input from SED, retain a technically qualified third party to develop a comprehensive Extent of Condition Analysis and Re-Inspection & Remediation”
 - Engagement with Lawrence Livermore National Labs has commenced

¹This population consisted of inspections performed in 2010 and 2011.

Currently working to finalize LLNL/PG&E contract

- High Level activities within the next 6 Weeks
 - Expand the transmission leak survey program and perform additional surveying of affected transmission lines
 - Leak analysis associated with prior girth welds (Transmission Pipe, post-1961 construction, requiring radiographic inspection)
 - Finalize Contract with LLNL [11/22/13]
 - Issue L-114 Final Report [12/6/13]
 - Inspection of first 20 TCI Welds [12/31/13]
 - Inspection of all 43 TCI Welds [3/31/14]
 - Provide summary of NDE Program Enhancements

- Detailed TCI Weld Validation Schedule (handout)

Appendix



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