

From: Yura, Jane
Sent: 1/17/2014 2:39:31 PM
To: Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov)
(elizaveta.malashenko@cpuc.ca.gov)
Cc: [Redacted]
[Redacted] Clanon, Paul
(paul.clanon@cpuc.ca.gov); Hagan, Jack (Brigadier General – CA)
(emory.hagan@cpuc.ca.gov); Doll, Laura (LRDD@pge.com)
(/O=PG&E/OU=Corporate/cn=Recipients/cn=LRDD); Gibson, Bill (Codes)
(/o=PG&E/ou=Corporate/cn=Recipients/cn=WLG3)
Bcc:
Subject: PG&E: Oakland [Redacted] Gas Incident Final Report

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Liza,

Attached is the final report on the elbow fracture and subsequent fire incident that occurred on December 10, 2013, near [Redacted] and [Redacted] in Oakland. Exponent, Inc. performed the comprehensive investigation and prepared this report, concluding that the most likely root cause of the elbow fracture was from stresses developed over time due to creep along the [Redacted]. The report also confirms the findings described in our December 20, 2013 update letter for metallurgical analysis, finite element modeling, and potential sources of ignition.

Based on these findings, PG&E will be taking additional steps which include: (1) modifying the piping at the original leak location, (2) performing additional studies in the neighborhood and vicinity of the leak location to determine if any other pipe configurations in the vicinity of the [Redacted] creep trace could be vulnerable to earth displacement loads, and (3) incorporating the seismic creep threat into PG&E's Distribution Integrity Management Program.

Please let me know if you have any questions.

Thank you,
Jane