

From: Doll, Laura
Sent: 2/25/2014 5:33:47 PM
To: Haine, Steven K. (steven.haine@cpuc.ca.gov)
Cc: Bruno, Kenneth (kenneth.bruno@cpuc.ca.gov)
Bcc:
Subject: RE: Outstanding items related to Aldyl A meeting

Very helpful Steve – thanks.

From: Haine, Steven K. [mailto:steven.haine@cpuc.ca.gov]
Sent: Tuesday, February 25, 2014 5:33 PM
To: Doll, Laura
Cc: Bruno, Kenneth
Subject: Outstanding items related to Aldyl A meeting

Laura:

Just for the record Redacted and I went over our respective notes and came to agreement that the following additional items were requested during the meeting in addition to DR2:

1. Documentation on Jana Aldyl A prioritization model
2. Aldyl A consultant report (GTI analysis on Cupertino incident)
3. SGA leak model documentation/overview
4. Provide some examples of lab analysis reports on failed ALDYL-A pipe, material properties report
5. Pre-1940 steel replacement rate
6. List of Aldyl A non-dig-in leaks, incidents, reported, non-reportable
7. Spreadsheet of MPR, Aldyl A
8. Excel spreadsheet of miles of pipes by year Raymond showed us during the meeting.

I also sent Raymond and Redacted an email, but haven't received a response yet:

From: Haine, Steven K.
Sent: Tuesday, February 25, 2014 3:07 PM
To: Redacted
Subject: FW: question on Jana calculator results

Gene:

Could you please help me get the answer to the following question I sent to Raymond? He may be out of the office.

The more I look at the numbers, the more I think the probabilities seem awfully high to be annual probabilities of failure. I just want to double-check. Thanks.

Steve Haine

From: Haine, Steven K.
Sent: Monday, February 24, 2014 3:54 PM
To: Thierry, Raymond (RXT5@pge.com)
Subject: question on Jana calculator results

Raymond:

When I asked Redacted to demo the calculator developed by Jana, the results of probabilities

were displayed. Were the results annual failure probabilities or cumulative failure probabilities?

For example:

LDIW

Soil temp: 60 deg. F

Installation year: 1972

Operating pressure: 55 PSI

Displayed probability in 2015 is 0.2585

Is 0.2585 the probability of failure in year 2015? Or is it the probability of failure developing sometime between 1972 and 2015?

From: Bruno, Kenneth
Sent: Tuesday, February 25, 2014 5:17 PM
To: Haine, Steven K.; Doll, Laura
Subject: RE: DIMP meeting on 2/21/14

Steve – Just so we're being clear with Laura, there were additional requests made that aren't being requested below.

From: Haine, Steven K.

Sent: Tuesday, February 25, 2014 5:15 PM
To: Doll, Laura
Cc: Bruno, Kenneth
Subject: RE: DIMP meeting on 2/21/14

Redacted said he'd check with Raymond's team and let me know about the progress.

From: Doll, Laura [mailto:LRDD@pge.com]
Sent: Tuesday, February 25, 2014 5:11 PM
To: Haine, Steven K.
Cc: Bruno, Kenneth
Subject: RE: DIMP meeting on 2/21/14

That makes me happy – thanks Steve!

Did we agree on a date when we will get you this info?

From: Haine, Steven K. [mailto:steven.haine@cpuc.ca.gov]
Sent: Tuesday, February 25, 2014 5:08 PM
To: Doll, Laura
Cc: Bruno, Kenneth
Subject: RE: DIMP meeting on 2/21/14

Laura:

Sorry for jumping in late. I spoke with Redacted after Ken sent the email and Redacted and I are in agreement on the outstanding items now. There is no need for you to do any further follow-up at this point. Thanks.

Steve

From: Doll, Laura [<mailto:LRDD@pge.com>]
Sent: Tuesday, February 25, 2014 5:05 PM
To: Bruno, Kenneth
Cc: Haine, Steven K.
Subject: RE: DIMP meeting on 2/21/14

Here is what I think we think the list is – trying to confirm with Charles, but this is a list that Raymond Thierry had.

Let us know if it is consistent with your intent. Thanks -- Laura

1. Miles of pre-1940 steel mains
 - 2a. Miles of mains using Aldyl A pipelines manufactured before 1970
 - 2b. Miles of mains using non-Aldyl A polyethylene pipelines manufactured before 1970
 - 3a. Miles of mains using Aldyl A pipelines manufactured from 1970 to 1972
 - 3b. Miles of mains using non-Aldyl A polyethylene pipelines manufactured from 1970 to 1972
 - 3c. Miles of mains in 3a that were replaced in years 2011, 2012, and 2013, plus projected annual replacement rates for years 2014 to 2020.
4. Miles of mains using Aldyl A pipelines known to have low ductile inner wall characteristics that can cause slow crack growth.

If the answers to Question 3a and Question 4 are different, please explain the difference in terms of resin types and manufacturer source.

- 5a. Miles of mains using Aldyl A pipelines manufactured prior to 1970
- 5b. Miles of mains using non-Aldyl A polyethylene pipelines manufactured prior to 1970

- 6a. Miles of mains using Aldyl A pipelines manufactured from 1973 to 1983
- 6b. Miles of mains using non-Aldyl A polyethylene pipelines manufactured from 1973 to 1983
- 7a. Miles of mains using Aldyl A pipelines manufactured from 1984 onward
- 7b. Miles of mains using non-Aldyl A polyethylene pipelines manufactured from 1984 onward
- 8a. Number of services using Aldyl A pipelines manufactured from 1970 to 1972
- 8b. Number of services using non-Aldyl A polyethylene pipelines manufactured from 1970 to 1972
- 9. Number of services known to have low ductile inner wall characteristics that can cause slow crack growth.

If the answers to Question 8a and Question 9 are different, please explain the difference in terms of resin types and manufacturer source.

- 10a. Number of services using Aldyl A pipelines manufactured prior to 1970
- 10b. Number of services using non-Aldyl A polyethylene pipelines manufactured prior to 1970
- 11a. Number of services using Aldyl A pipelines manufactured from 1973 to 1983
- 11b. Number of services using non-Aldyl A polyethylene pipelines manufactured from 1973 to 1983
- 12a. Number of services using Aldyl A pipelines manufactured from 1984 onward
- 12b. Number of services using non-Aldyl A polyethylene pipelines manufactured from 1984 onward
- 13. Leak rates for items 1 to 12 individually above over the last year, last 5 years, last 10 years, and over the lifetime of the pipelines.

From: Bruno, Kenneth [<mailto:kenneth.bruno@cpuc.ca.gov>]
Sent: Tuesday, February 25, 2014 1:37 PM

To: Doll, Laura
Cc: Haine, Steven K.
Subject: DIMP meeting on 2/21/14

Hi Laura I hope you're doing well. We issued a few verbal data requests to the DIMP team we met with last Friday 2/21/14. I believe [Redacted] was the person writing down the requests. Can you send me a copy of what he wrote down to ensure consistency with our notes? Thanks,

Kenneth Bruno

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