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Bcc:  
Subject: Carmel Update -- DRAFT EXPONENT REPORT

As requested, here is the **draft** report by the Exponent engineering firm providing their analysis of the gas explosion in Carmel on March 3, 2014. The report includes a root cause analysis and it also recommends three main corrective actions which are included on page *ix* in the executive summary. We are committed to carrying out each of the corrective actions recommended by Exponent, and have been implementing changes to our field processes from the time of the accident, as we have previously shared with you (and were attached to my earlier email this morning).

Specifically, we have enhanced the step-by-step process used by gas workers before tapping on a pipeline. We are also providing new gas leak shutoff tools and additional training so that every qualified PG&E gas worker can stop the flow of gas in the event of a gas leak. And we have put in place a quality assurance check system to verify that these new work methods and tools are being followed.

The final report from Exponent is expected to come out next Monday and we will get it to you then.

Thanks

Laura

**From:** Doll, Laura  
**Sent:** Thursday, April 24, 2014 8:28 AM  
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**Cc:** Singh, Sumeet; [Redacted]; Knapp, Kevin  
**Subject:** Carmel Update

Good morning --

We want to update you about the third party root cause assessment of the gas explosion in Carmel. (My last report to you is attached to this email.)

The third party engineering firm, Exponent, has completed its investigation, including a root cause analysis and recommended corrective actions. We received a draft of the report this week and are reviewing it. We'll provide our comments to Exponent by this Friday and expect that the final report will be available next Monday (April 28). When the report is released, we intend to make available to the public the draft report, our comments, and the final version to provide full transparency into the investigative process.

We committed to the City of Carmel to keep them informed of our progress, and have maintained regular communication with the lead Carmel official on the incident, Police Chief Calhoun. As a courtesy and as requested by the Mayor of Carmel, we will provide a hard copy of the draft Exponent report to Chief Calhoun this morning as he has been the City's lead representative during the assessment being performed by Exponent. He and the Carmel City Council (and public) will receive the final report next Monday, in a complete package with the draft and our comments on the draft as noted above.

Our preference is to be able to provide the full three-part set of information about the investigation at once (draft, comments, final) when it is released, but we will be happy to provide you with a copy of the draft report tomorrow if you wish to see it in advance of next

Monday's release. Just let me know.

Thanks

Laura

Laura Doll

Director, Regulatory Relations

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