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Sent: 12/14/2011 2:43:52 PM
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Subject: Pressure Restoration Process

Michelle,

As a follow-up to our meeting last week, here are some details regarding the pressure restoration work process.

Shilpa

There are at least 25 people involved in the CROP (Conditional Reduction of Pressure) and clearance processes which began about 2 weeks ago in order to restore the pressure on L101, 132A, and 147 - this is after all of the field digs and validation work, records validation, pressure testing, and repair work has been completed. In the case of line 101, the clearance approval and CROP process will be completed by approximately December 19 or 20 when the pressure is restored to 365 psi. CROP is the nomenclature used by PG&E for the review and approval process for the pipeline pressure work that has been ongoing on the PG&E system. In this case, since pressure is being increased, the term CROP-Up is often used. Engineering technical reviews are being finalized, clearances are being written and reviewed by the field personnel and by Gas Control's clearance coordinators and operators, Gas Control and SCADA engineers are reviewing the MAOP set point and alarming requirements, field personnel are being scheduled, and the final approval process is about to begin. This approval process includes a review by engineering and gas operations personnel and management - including Mel Christopher. Leak survey technicians are also involved. As the pressure is increased in the line it is leak surveyed as a part of the final safety review.

The upcoming L101 pressure increase is a little more complicated process. There has been plenty of engineering review and support prior to submitting for approval. It will now require a clearance, clearance supervisor, clearance review process, and then field support to carry out the valve operations. Just an estimate but it will probably involve 6 or more people from District's and Divisions in the field to physically carry out the 100 or more steps in the clearance under Gas Controls coordination.

