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Sent: 8/28/2013 9:56:16 PM
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Bcc:
Subject: Pressure Reduction Gas Control Documentation - Lines 101 and 147

Sunil,

As a follow-up to your request from yesterday, attached is the documentation of the pressure control changes that reduced or increased the operating pressures in Lines 147 and 101 since October 31, 2011.

There have been four operating pressure control changes affecting Line 101 and/or Line 147 pressure since October 31, 2011:

- 1) The pressure control for Line 101 and Line 147 was increased to 350 psig starting on December 19, 2011. This operation was completed as part of Clearance PN 11-31. Documentation for the completion of this clearance is attached as "*PN-11-31_CONF.pdf*."
- 2) The pressure control for Line 101 and Line 147 was lowered to 285 psig on May 24, 2012. This pressure reduction was completed as a routine pressure control operation. Documentation for this pressure control operation is included in attachment "*GSO SFO Clearance_CONF.pdf*."
- 3) The pressure control for Line 101 was increased to 350 psig starting on December 19, 2012. Line 147 was being operated separately from Line 101, so the pressure in Line 147 was unaffected by this operation. This operation was completed as part of Clearance MIL 12-66. Documentation for the completion of this clearance is attached as "*MIL-12-66_CONF.pdf*."

4) The pressure control for Line 101 was decreased to 285 psig starting on April 3, 2013. Line 147 was being operated separately from Line 101, so the pressure in Line 147 was unaffected by this operation. This operation was completed as part of Clearance MIL 13-11. Documentation for the completion of this clearance is attached as "*MIL-13-11_CONF.pdf*."

The recorded pressures for Lines 101 and 147, which provide supporting data to confirm the impact of the four control operations described above, are included in attachments "*PI_MaxP_MilpitasL101Pressure_Jan2011toAug2013Rev2.xlsx*" and "*PI_MaxP_L147SanCarlosPressure_Sep2010toAug2013Rev2.xlsx*," respectively.

There are five higher-than-normal pressure anomalies shown in the pressure charts that are not accurate pressure readings (four for Line 101 and one for Line 147); Four of the anomalies were associated with routine maintenance for transducer calibration and the remaining anomaly was due to a transducer error. These anomalies are noted in the attachments.

Please review and let me if you have any questions, require additional information or would like to discuss further.

Thank you.

Sumeet