Docket No. SA-534

Exhibit No. 2-J

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

SCADA ALARM POLICY

(5 Pages)

Temporary Alarm Settings during Clearance Work

Hi-Hi and Lo-Lo Alarm Limits (Pressure, Flow, Gas Quality)

During clearances it may be necessary to temporarily change Hi-Hi and Lo-Lo alarm limits to settings other than those normally specified (See **Appendix H**, *Alarm Setpoints During Clearance Work*).

Alarm Review

Alarm limits will be reviewed during October of each year. Upon completion of the review, Gas Control will implement the requested alarm limits in mid-November.

Transmission System

Hi-Hi and Lo-Lo Alarm Limits (Pressure and Flow)

Alarm limits will be reviewed during October of each year. Gas Control will provide the responsible Field M&C and GT&D Personnel with the current alarm limits. Gas Control will request that the responsible Field M&C and GT&D Personnel review their transmission pressure and flow limits. Once reviewed, they will either concur with the current settings or request new alarm settings. Gas Control will review the requested changes to the transmission Hi-Hi and Lo-Lo pressure and flow limits and make changes to the limits as required.

Design Criteria

Hi-Hi and Lo-Lo Alarm Limits (Pressure and Flow)

Alarm limits will be reviewed during October of each year. Gas Control will provide the responsible Transmission System Planning Engineers with the current alarm limits. Gas Control will request that the responsible Transmission System Planning Engineers review their transmission pressure and flow limits. Once reviewed, they will either concur with the current settings or request new alarm settings. Gas Control will review the requested changes to the transmission Hi-Hi and Lo-Lo pressure and flow limits and make changes to the limits as required.

Distribution System

Hi-Hi, Lo and Lo-Lo Alarm Limits (Pressure and Flow)

Alarm limits will be reviewed during October of each year. Gas Control will provide the responsible Field M&C and GT&D Personnel with the current alarm limits. The responsible Field M&C and GT&D Personnel will review the limits and concur or request to change the limits. Gas Control will implement the requests in mid-November of each year. Again, all Hi-Hi, [No Hi alarms are set], Lo and Lo-Lo alarms are established by the Principal Engineer of Gas Measurement/Gas Quality Engineering, or designee, and may not be changed at operator discretion.

Gas Quality

Alarm limits will be reviewed during October of each year. Gas Control will provide the Gas Quality Response Team Lead with the current alarm limits. Gas Control will request that the Gas Quality Response Team Lead review their Gas Quality alarm limits. Once reviewed, they will either concur with the current settings or request new alarm settings. Gas Control will review the requested changes to the Gas Quality Hi-Hi and Lo-Lo alarm limits and make changes to the limits as required.

Alarm Response

Alarm Response, Transmission

(Pressure, Flow and Gas Quality)

All alarms will be acknowledged. In the case of Hi-Hi and Lo-Lo alarms the acknowledgment of the alarm and notification procedure below will be followed. In the case of Hi and Lo alarms the operator will analyze the system in alarm and determine if the alarm can be explained by system or loading conditions. Notification of responsible Field M&C Personnel is not necessary if the operator's analysis of the alarm indicates that the alarm is due to normal system conditions. If the operator's analysis of the alarm suggests equipment failure or facility problems, the operator will follow the same actions as outlined below for Hi-Hi and Lo-Lo alarms (See **Appendix I**, *Operating Policy for Frequent SCADA Alarms Related to Equipment Problems*).

Required Actions – During the first 10-minute period after alarm acknowledgment
Transmission Coordinators (TCs), and Gas System Operators (GSOs) will acknowledge, analyze and respond to all alarms.

- Brentwood Gas Control will establish communications with System Gas Control regarding the active alarm.
- Brentwood Gas Control and System Gas Control will analyze the upstream and downstream points to help determine the system condition and the cause of the active alarm.
- Upon completion of the analysis, a corrective action will be taken which may include a remote operation, contacting the responsible Field M&C Personnel, and continued monitoring.

Required Actions- During the second 10-minute period.

- The TC and the GSO will communicate and coordinate the next steps.
- Communicate next steps with responsible Field M&C Personnel and/or GT&D Gas Engineering Personnel.

Privileged and Confidential
PG&E Proprietary Information

If the TC, GSO, and the responsible Field M&C Personnel and/or GT&D Gas Engineering Personnel cannot agree on a course of action, the TC or GSO will contact their operations on-call representative. The Gas System Operations on-call supervisor will discuss and agree on a course of action that will be communicated to the TC or GSO on shift.

Further Actions Required.

- Abnormal Incident Report if required by the Senior TC.

Alarm Response, Distribution

(Pressure and Flow)

High Pressure Distribution (60 psig and below)

All alarms will be acknowledged. In the case of Hi-Hi and Lo-Lo alarms the acknowledgment of the alarm and notification procedure below will be followed. In the case of Lo alarms the operator will analyze the system in alarm and determine if the alarm can be explained by system or loading conditions. Notification of responsible Field M&C Personnel is not necessary if the operator's analysis of the alarm indicates that the alarm is due to normal system conditions. If the operator's analysis of the alarm suggests equipment failure or facility problems, the operator will follow the same actions as outlined below for Hi-Hi and Lo-Lo alarms.

Low Pressure Distribution (Inches of Water Column)

All Low Pressure distribution system alarms will require notification to the responsible Field M&C Personnel. A second notification must be made if a Lo pressure alarm continues to move toward a Lo-Lo alarm state.

Required Action – During the first 10-minute period after alarm acknowledgment

Transmission Coordinators (TCs), and Gas System Operators (GSOs) will acknowledge, analyze and respond to all alarms.

- Brentwood Gas Control will establish communications with System Gas Control regarding the active alarm.
- Brentwood Gas Control and System Gas Control will analyze the upstream and downstream points to help determine the system condition and the cause of the active alarm.
- Upon completion of the analysis, the responsible Field M&C Personnel will be notified, and monitoring will resume.

Required Action- During the second 10-minute period.

- Continue to monitor the system in alarm.

If the TC, GSO, and the responsible operating personnel cannot agree on a course of action, the TC or GSO will contact their operations on-call representative. The Gas System

PACIFIC GAS AND ELECTRIC COMPANY
San Bruno Gas Transmission Line Incident
Data Response

PG&E Data Request No.:	NTSB_049-001		
PG&E File Name:	San Bruno GT Line Incident_DR_NTSB_049-001		
Request Date:	February 4, 2011	Requesting Party:	NTSB
Date Sent:	February 4, 2011	Requestor:	Operations (Chhatre)

QUESTION 1

NTSB requests the following documents be reviewed to determine whether PG&E would agree to not assert a claim of privilege.

- NTSB_008-004
- NTSB_008-004S1
- NTSB_011-008
- NTSB_004-004
- NTSB_004-001
- NTSB_014-006
- NTSB_036-004
- PIR print with overlay entitled "PIR between line 132 mlv 38.49 to MLV 40.05"
- NTSB_001-011
- NTSB_035-12
- NTSB_008-003

ANSWER 1

PG&E did not assert, or has agreed not to assert a claim of privilege for the following documents:

- NTSB_008-004
- NTSB_011-008 (Names Redacted)
- NTSB_004-004
- NTSB_004-001 (Amended)
- NTSB_014-006 (Name Redacted)
- NTSB_036-004
- PIR print with overlay entitled "PIR between line 132 mlv 38.49 to MLV 40.05" (NTSB_016-003)
- NTSB_001-011

- NTSB_035-12
- NTSB_008-003

With respect to NTSB_008-004S1, PG&E is waiting for a response from NTSB in order to make a determination.