Docket No. SA-534

Exhibit No. 2-AD

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

NTSB_004-005 & NTSB_036-003
HIGHEST RECORDED PRESSURES
ON LINE 132

(26 Pages)

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

PG&E Data Request No.:	NTSB_004-005-Amended		
PG&E File Name:	San Bruno GT Line Incident_DR_NTSB_004-005-Amended		
Request Date:	September 12, 2010	Requesting Party:	NTSB
Date Sent:	November 5, 2010	Requestor:	Operations (Gunther)

QUESTION 5

What is the highest pressure ever recorded on Line 132?

ANSWER 5 - AMENDED

Based on Gas SCADA Historian data from 1/1/2000 to 9/12/2010 for MMT_PT0083: MLPTS-TER L132 PRESS point the maximum pressures recorded are as follows:

12/11/03 19:00, 402.60 psig
12/09/08 14:00, 400.73 psig

On 1/27/10 there was a recorded pressure of 426.45 psig. However, the pressure recording was the result of a pressure transducer calibration and does not reflect the pressure in the pipeline.

The 402.60 psig and 400.73 psig pressures recorded on 12/11/03 and 12/09/08 were the result of clearances designed to maintain the 400 psig MAOP of L-132 and therefore do not reflect normal operating pressures on L132 which is 375 psig.

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

PG&E Data Request No.:	NTSB_036-003		
PG&E File Name:	San Bruno GT Line Incident_DR_NTSB_036-003		
Request Date:	December 10, 2010	Requesting Party:	NTSB
Date Sent:	December XX, 2010	Requestor:	Operations (Shori)

QUESTION 3

Please provide copies of documentation related to the planning and performing including, but not limited to, gas operations clearances, job orders, etc., through which pressure on Line 132 was raised, held at approximately 400 psig, and lowered to a pressure below 400 psig, on the following dates: December 11, 2003; December 09, 2008; and January 27, 2010.

ANSWER 3

The 402.60 psig and 400.73 psig pressures recorded on 12/11/03 and 12/09/08 were the result of clearances designed to maintain the 400 psig MAOP of L-132 and therefore do not reflect normal operating pressures on L132 which is 375 psig. Additionally, the 426.45 psig pressure recording on January 27, 2010 was the result of a pressure transducer calibration and does not reflect the pressure in the pipeline. (See NTSB_004-005 Amended response)

Documentation related to the December 11, 2003 and December 9, 2008 clearances as well as the January 27, 2010 pressure transducer calibration is attached as follows:

(1) The clearance for the December 11, 2003 operation is not available (PG&E Work Procedure 4100-10 only requires PG&E to keep clearances for 1 year). However, attachment 1 is an excerpt of the gas control log on December 11, 2003, which shows entries related to the clearance to operate L132 and L101 at 400 psig.

(2) Attachment 2 is the clearance for the December 9th, 2008 operation to operate L132 at 400 psig, along with entries from the Gas Control Log related to the clearance.

(3) Attachment 3 is the Daily Gas Operating Log for January 27, 2010 indicating that a pressure calibration is to take place on the Peninsula gas transmission pipelines. Attachment 4 shows that L132 pressure reading was the result of a transducer test by demonstrating that the Peninsula gas transmission pipelines (which are operated at the same pressure and designated as ""Mlpts-Ter L101 Press" and "Mlpts-Ter Mixer D/S Press") did not see pressures greater than 367 psig during the calibration. The table also shows that there was no upstream gas transmission source for the 800 psig (peak pressure reading of calibration test) and therefore could not be a pipeline pressure read.

SGCDec11-2003_responsev1.GOC

(SGC log opened at Thu Dec 11 07:00:02)

(13:15:47 Thu Dec 11 Message No. 2009 SJ2 to SGC SG2 SG3 sjo sj3)
CLEARANCE PENLINESMOP REV2 ; CL. SUP G. SORENSEN REQUEST OK TO HAVE MILPITAS TECH. V. BACAL TO DO CEARANCE. STEPS 105, 106,107,108,AND 109 AT THIS TIME . THIS IS PREPARATION WORK BEFORE INCREASING THE MILPITAS MIS CONTROL FOR 400 # .
MC GINLEY

(14:31:14 Thu Dec 11 Message No. 2010 SJ2 to SGC SG2 SG3 sjo sj3)
CLEARANCE PENLINESMOP REV2 ; PENINSULA DIVISION STEPS COMPLETED 14:14 HOURS . FOREMAN DENNIS MC CORKLE
MC GINLEY

(15:24:55 Thu Dec 11 Message No. 2011 SJ2 to SGC SG2 SG3 sjo sj3)
CLEARANCE PENLINESMOP REV 2 ; CLEARANCE SUP. REQUEST OK TO START PACKING MILPITAS MIXER TO 400 # NOW . THERE IS SOME QUESTION AS TO OPERATIONAL SPEED OF VALVES 38 & 40 (REG. TO MAIN 109) . TECH. V. BACAL IS AT MILPITAS TER. TO SUPPORT LOCAL VALVING IF NEEDED. CL SUP. G. SORENSEN
MC GINLEY

(16:15:41 Thu Dec 11 Message No. 2013 SJ2 to SGC SG2 SG3 sjo sj3)
CLEARANCE PENLINESMOP REV2 ; STEP 129 ; CLEARANCE SUP. G. SORENSEN REQUEST OK TO COMPLETE STEP 129 AT THIS TIME . SULLIVAN STATION SET VALVES TO CONTROL DOWNSTREAM PRESSURE OF 137 # IN LINE 109 .
MC GINLEY

(17:19:43 Thu Dec 11 Message No. 2014 SJ2 to SGC SG2 SG3 sjo sj3)
C;LEARANCE PENLINESMOP REV 2 ; CLEARANCE SUP. G. SORENSEN REQUEST OK TO DO STEP 135 . THIS WILL OPEN VALVE 52.71 LINE 109 TO 132 .
MC GINLEY

(18:44:40 Thu Dec 11 Message No. 3001 SJ3 to SGC SG2 SG3 sjo sj2)
CLEARANCE PEN LINES MOP REV. 2 , WE ARE STARTING TO PUT LOMITA PARK STA. BACK TO NORMAL , STARTING WITH STEP #131, BILL MURRAY WILL THEN SET THE MONITOR VALVE AT 150#.
J. ZAPORTA.

(19:24:01 Thu Dec 11 Message No. 3004 SJ3 to SGC SG2 SG3 sjo sj2)
UPDATE ON CLEARANCE PEN LINES MOP REV2. WE ARE ON STEP #136, #137 THE PRESS. AT LOMITA HAS BEEN SET AT 137# AND HOLDING. SAN FRANCISCO T.&R. TECH . TOM WAYNE OPEN V-538, V-540.
J. ZAPORTA.

(20:51:16 Thu Dec 11 Message No. 3005 SJ3 to SGC SG2 SG3 sjo sj2)
PER MILPITAS TERM. T.M. BILL MURRAY. WE HAVE COMPLETED STEP #130 OF CLEARANCE PEN-LINES-MOP.REV2.. SET AND TEST MONITOR V-2 AT SULLIVAN STA. TO 150#.
J.
ZAPORTA.

T-V-9.72 L109 NORM CLOSED check
49-E4A CLOSED V-132
BUCKEYE DC INACTIVE closed
SMVE!

MIL-02-08 Dec. 8-10

GAS CONTROL
OPERATION SUPERVISORS
GAS SYSTEM OPERATORS
&
TRANSMISSION COORDINATORS

Clearance number(s): MIL-02-08

Date: Dec. 8-10 **Time:** 0700-1700

Facility: L-132

The clearance is to operate L-132 and all associated piping on L-132 to the MAOP of 400#. This is to be done every 5 years to keep the stated MAOP. For the clearance they will isolate L-132 from the other 2 pennisula lines (l-109 & L-101) and then use L300A gas at Milpitas to pressure L-132 to the 400MAOP. Please ensure there is sufficient pressure on L-300A to keep L-132 from Milpitas Term to Martin Station at 400# for 2 hrs. The valving to isolate L-132 will be done on Mon. Dec. 8th, and then the pressure increase will be done on the 9th. Dec. 10th was added incase problems arise. The Milpitas Terminal station bypass run will be used to route L300A gas to L-132. V-62 will be set at 400# to control the L-132 pressure and the monitor valve 63 will be set at 420#. Todd Arnett suggest we have 450# available on L-300A at Mil Term to keep L-132 at a constant 400# to Martin station.

SCADA alarms changes required? YES

Make the following interconnect notifications 48-hours in advance and day of.

NOTIFICATIONS _____, _____, _____,

C.C.
Brad Spainhower
Brentwood GSO

PRELIMINARY: _____

JOB CANCELLED / POSTPONED? BY GAS CONTROL: YES / NO

JOB STARTED: 607 12.8.8 JOB COMPLETED: 1720 12.9.8

ALBRIGHT		AVILA	
ALLRED		GENERA	
CENICEROS		GRANT	
MUSGROVE		MCLEAN	12/5
PATTON		SANDOVAL	
TURLEY		TANK	12.8.8
WENZEL	12/6	WILLIAMS	

SCADA POINT NAME	SCADA POINT DESCRIPTION	NORMAL HI-HI SETTING	CLEARANCE HI-HI SETTING	NORMAL LO-LO SETTING	CLEARANCE LO-LO SETTING
13288 MMT-PT0062	MIL TERM BYPASS PRESS	378	403	257	NA
13156 MMT-PT0083	MIL TERM L-132 PRESS	378	403	257	NA
12048 NHF-PT0001	HLF-MN-BY L-132 PRESS	378	403	147	NA
12009 NMA-PT0030	MARTIN STA L12 U/S PRESS	378	403	147	NA
JSI-PT0001 7010	SR-VST-XTIE L-132 PRESS	378	403	147	NA

Alarms changed BEFORE Clearance
By: TANK
Date/Time: 1650 12.8.8

Alarm changes AFTER Clearance
By: Grant
Date/Time: 1922 12.9.8

PACIFIC GAS & ELECTRIC
APPLICATION FOR CLEARANCE

		SYSTEM	STATION
		Check one box ONLY.	
GAS CONTROL CENTER	Brentwood	X NEW	
DISTRICT/DIVISION	Milpitas/SJ/DA/PEN	STD	
JOB #	40965687	AUTHORIZATION	

(sequence of operations not needed)

CLEARANCE SUPERVISOR Mike Painter

PHONE 408-205-2203 (cell) PAGER same

REFERENCE DRAWINGS	
OPERATING MAPS WITH CHANGE NO.	OPERATING DIAGRAMS WITH CHANGE NO.
See list back page	See list back page

SCHEDULE OF WORK

START: Date: 12/8/08 Time 0700

COMPLETION: Date: 12/10/08 Time 1700

FACILITY INVOLVED: L132 MP 0 – MP 46.59

SERVICE INTERRUPTIONS:
(SEE PAGE 3, SPECIAL INSTRUCTIONS)

Yes: No: X

NO. OF CUSTOMERS: 0 total

EQUIPMENT OR LOCATION: Milpitas Terminal to Martin Station

Progress Report at Key Communication Steps(*) or not to exceed 2 hour(s)

DESCRIPTION: Operate Line 132 and associated taps and feeds to verify the 400 psig maximum operating pressure. Isolate L132 and 400 psi systems from adjacent 375 MOP systems. Operate for minimum 2 hours at 400 psi at SCADA control point: (13156, MMT_PT0083 (Milpts-Ter L132 Press) 44283).

Special Instructions: No ____ Yes X (see page 3)

AUTHORIZATION OF CLEARANCE

	NAME	CONTACT NUMBER	DATE
PREPARED BY	Todd Arnett	408-483-4203	12/3/08
DISTRICT/DIVISION REVIEW	Painter/Fitzgerald/Kelly/McCorkle		
SUPERVISOR APPROVAL FOR STANDARD	Painter		
AUTHORIZED BY GAS CONTROL	Robert Quijalvo	223-3568	12/4/08

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

NOTIFICATIONS REQUIRED (CHECK THOSE DONE BY GAS CONTROL)						
AGENCY	CONTACT NUMBER	✓	PERSON NOTIFIED	TIME NOTIFIED	NOTIFIED BY WHOM	COMMENTS
GAS CONTROL CENTER	925-513-4869					
FLYERS REQ'D.						
CALL CENTERS	916-923-7278					
AERIAL PATROL	1-707-446-9540					
AIRPORT						
LAW ENFORCEMENT						
FIRE DEPARTMENT						
AIR QUALITY BOARD						
PUBLIC RELATIONS						
GAS DISPATCH						
MEDIA DEPARTMENT						

DISTRIBUTION (BY ORIGINATOR) CHECKED ITEMS MANDATORY		✓
FIELD GAS CONTROL	BOPS1	✓
SYSTEM GAS CONTROL	SFCLEARANCE	✓
OPERATIONS SUPERVISOR	BSS2	✓
SYSTEM TRANSMISSION SUPERVISOR	KAS5	✓
GAS MAINTENANCE SUPERVISOR.	PAINTER	X
CLEARANCE SUPERVISOR	PAINTER	X
AREA SUPERINTENDENT	CARROLL	X
SR. GAS TRANSMISSION ENGINEER	ARNETT	X
GT&D ENGINEER		
ENVIRONMENTAL ENGINEER		
DIVISION T&R	FITZGERALD, KELLY, MCCORKLE	X
DIVISION ENGINEERING		
TRANSMISSION SYSTEM PLANNING	REIDER	X

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

SPECIAL INSTRUCTIONS

			Isolate L132 and adjacent 400 psi systems from adjacent 375 MOP systems. Operate
			for minimum 2 hours at 400 psi at SCADA control point:
			(13156, MMT_PT0083 (Milpts-Ter L132 Press) 44283).
			Will not impact flow except by closing crossties from L132 to L101 and 109.
			Since energy not being isolated for personnel, valve position checks will be performed
			only where necessary to ensure MAOP separation.
			L132 to be fed from 300A. 300A must remain greater than 450 psi to ensure supply and
			allow control through V-62 and V-63 @ Milpitas.

WILL NORMAL FUNCTION OF THIS FACILITY BE MAINTAINED? YES [ ] NO [X]

IF NOT, EXPLAIN ACTION TO BE TAKEN: Cross ties will be closed to ensure MAOP separation. Milpitas internal bypass will be used for pressure control.

DO THE GAS CONTROL CENTERS NEED TO CHANGE SCADA ALARMS? YES [X] NO [ ]

SCADA POINT NAME	SCADA POINT DESCRIPTION	NORMAL HI-HI SETTING	CLEARANCE HI-HI SETTING	NORMAL LO-LO SETTING	CLEARANCE LO-LO SETTING
13288 MMT-PT0082	MIL TERM STA BYPASS PRESS	378	403	267	NA
13156 MMT-PT00083	MILTERM L-132 PRESS	378	403	267	NA
12048 NHF-PT0001	HLF-MN-BY L-132	378	403	147	NA
12009 NMA-PT0030	MARTIN STA L132 U/S PRESS	378	403	147	NA
JSI-PT0001	SR-VST-X L132 PRESS	378	403	257	NA

* NOTE: FOR WELDING ON PRESSURIZED PIPELINES GAGE DESIGNATION, PRESSURE LIMITS, FREQUENCY OF OBSERVATION, AND A DESIGNATED FIELD EMPLOYEE OR CREW TO OBSERVE ARE REQUIRED.

GAGE DESIGNATION (Provided by C.S.)	LIMITS		FREQUENCY OF OBSERVATIONS (Determined by C.S./GSO)	OBSERVED BY (Assigned by C.S./Job Supvervisor)
	LOW	HIGH		
300A upstream Milpitas Terminal (SCADA)	450	558	continuous	Gas Operations
109 (SCADA)	225	376	continuous	Gas operations

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

CLEARANCE NO. MIL 02-08 Rev. 0

SEQUENCE OF OPERATIONS

OPRN NO	LOCATION	OPERATION	VALVE NO.	TAGGED	REMARKS	COMPLETED BY	TIME/DATE
⇒					REQUEST PRELIMINARY CLEARANCE (PER CLEARANCE PROCEDURE MANUAL)		
1)					REQUEST FINAL CLEARANCE (DAY OF JOB)		
2)	San Jose				Notify large floating customers of 400 psi inlet (Agnews Cogen, SVP Pico PP,		
3)	De Anza				Notify large floating customers of 400 psi inlet		
4)	Peninsula				Notify large floating customers of 400 psi inlet		
5)					**Start San Jose Division**		
6)	109 T3.30 Lafayette St.	Chk close	1	MOL	Check closed (MAOP separation)		
7)					**Need to identify any crosstied HPRs**		
8)					**Start De Anza Division**		
9)					**Need to identify any crosstied HPRs**		
10)	132 T4.91 Lawrence	Chk close	B	MOL	Check closed (MAOP separation)		
11)	132 T8.23 Ellis St.	Chk open	49-F8A	MOL	Check open (Dreg 4735 must see 400 psi)		
12)	Whisman & Middlefield	Chk close	9	MOL	Check closed the (unlabeled on OP diagram) bypass valve 9 (MAOP separation)		
13)	Moffett Blvd	Chk closed	1	MOL	Check closed (MAOP separation). Downstream of T9.22		
14)	Moffett Blvd	Chk open	49-F5A	MOL	Check open (Dcust 1423 must see 400 psi). Downstream of T9.22		
15)	T 9.62 Shoreline	Chk close	49-E4C	MOL	Check closed (MAOP separation). Downstream of T9.62		
16)	Burgoyne & Middlefield	Open	49-E4A	MOL	Open (Dreg 4736 and DFDS3588 must see 400 psi). Downstream of T10.15		
17)	Burgoyne & Middlefield	Close	49-E4B	MOL	Close for MAOP separation		
18)	Sierra Vista Xover	Chk Open	1	MOL	Verify feed off L109		
19)	Sierra Vista Xover	Chk Open	7	MOL	Verify feed off L109		
20)	Sierra Vista Xover	Close	3	MOL	Isolate 132 from 109 and 132A		
21)	Sierra Vista Xover	Close	4	MOL	Isolate 132 from 109 and 132A		
22)	Sierra Vista Xover	Close	8	MOL	Isolate 132 from 109 and 132A		
23)	Sierra Vista Xover	Chk Close	11	MOL	Isolate 132 from 109 and 132A		
24)	132 T10.56 Victory Ave tap	Chk Open	49-E2E	MOL	Check open L132 T10.56 bridle tap		

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

CLEARANCE NO. MIL 02-08 Rev. 0

SEQUENCE OF OPERATIONS

25)	109 T10.98 Victory Ave tap	Chk close	49-E2F	MOL	Check closed L109 bridle tap		
26)	Palo Alto Mtr Stn #2	Chk Open	2	MOL	Check open 2		
27)	Palo Alto Mtr Stn #2	Chk Open	3	MOL	Check open 3		
28)	Palo Alto Mtr Stn #3	Chk Open	1	MOL	Check open 1		
29)	Palo Alto Mtr Stn #3	Close	2	MOL	Close 2		
30)					**Start Peninsula Division**		
31)					**Need to identify any crosstied HPRs**		
32)	109 T15.18 Stanford Ave	Chk Open	139	MOL	Check open 139		
33)	132 T16.37 Stanford Ave	Chk Close	265	MOL	Check closed 265		
34)	109 T16.48 Cardinal Cogen	Chk Open	338	MOL	Check closed 338		
35)	132 T17.53 Cardinal Cogen	Chk Close	337	MOL	Check closed 337		
36)	109 T16.62 Campus Dr	Chk Open	113	MOL	Check open 113		
37)	132 T17.69 Campus Dr	Chk Close	247	MOL	Check closed 247		
38)	132 T18.16 Santa Cruz Ave	Chk Open	244	MOL	Check open 244		
39)	132 T18.16 Santa Cruz Ave	Chk Open	245	MOL	Check open 245		
40)	109 T17.09 Santa Cruz Ave	Chk Close	112	MOL	Check closed 112		
41)	132 T18.18 Santa Cruz Ave	Chk Open	464	MOL	Check open 464		
42)	109 T17.10 Santa Cruz Ave	Chk Close	465	MOL	Check closed 465		
43)	132 T18.68	Chk Open	157	MOL	Check open 157		
44)	109 T17.51	Chk Close	111	MOL	Check closed 111		
45)	132 T19.13	Chk Open	490	MOL	Check open 490		
46)	109 T18.13	Close	491	MOL	Close 491		
47)	132 T19.17	Chk Open	2	MOL	Check open 2		
48)	109 T18.17	Close	1	MOL	Close 1		
49)	132 T19.22	Chk open	302	MOL	Check open 302		
50)	109 T18.22	Close	303	MOL	Close 303		
51)	109 T18.66	Chk Open	108	MOL	Check open 108		
52)	132 T19.70	Chk Close	109	MOL	check close 109		

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

CLEARANCE NO. MIL 02-08 Rev. 0

SEQUENCE OF OPERATIONS

53)	132 T20.06 Walsh Rd Reg Stn	Chk Open	240	MOL	Check Open 240		
54)	109 T19.05 Walsh Rd Reg Stn	Close	241	MOL	Close 241		
55)	132 T 21.39 Woodside Rd Reg Stn	Chk Open	236	MOL	check open 236		
56)	109 T20.43 Woodside Rd Reg Stn	Chk close	235	MOL	check close 235		
57)	109 T20.46 Woodside & L109	Chk Open	346	MOL	check open 346		
58)	132 T21.43 Woodside & L109	Chk close	347	MOL	check close 347		
59)	132 T21.76	Chk Open	230	MOL	check open 230		
60)	109 T20.78	Chk close	102	MOL	check close 102		
61)	132 T22.90	Chk Open	229	MOL	check open 229		
62)	109 T21.88	Chk close	101	MOL	check close 101		
63)	132 T23.11	Chk Open	2	MOL	check open 2		
64)	109 T22.08	Close	1	MOL	Close 1		
65)	Edgewood Rd Crossover	Chk open	279	MOL	check open 279		
66)	Edgewood Rd Crossover	Close	278	MOL	Close 278		
67)	Edgewood Rd Crossover	Close	A	MOL	Close A		
68)	Edgewood Rd Crossover	Close	300	MOL	Close 300		
69)	Edgewood Rd Crossover	Close	C	MOL	Close C		
70)	Ralston Ave Reg Stn	Chk open	280	MOL	check open 280		
71)	Ralston Ave Reg Stn	Chk close	281	MOL	check close 281		
72)	Ralston Ave Reg Stn	Chk close	283	MOL	check close 283		
73)	Ralston Ave Reg Stn	Chk close	284	MOL	check close 284		
74)	Ralston Ave Reg Stn	Chk close	A	MOL	check close A		
75)	Ralston Ave Reg Stn	Chk close	C	MOL	check close C		
76)	L132 SMCY Center	Chk open	2	MOL	Check open 2. DCUST1429? Tower Rd?		
77)	L109 SMCY Center	Close	1	MOL	Close 1. DCUST1429? Tower Rd?		
78)	L109 Hillcrest Juvenile Hall	Chk open	Bridle valve	MOL	Check open Bridle valve off L109. 26 Tower Rd?		
79)	L132 Hillcrest Juvenile Hall	Close	Bridle valve	MOL	Close Bridle valve off L132. 26 Tower Rd?		

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

CLEARANCE NO. MIL 02-08 Rev. 0

SEQUENCE OF OPERATIONS

80)	132 T29.68 Half Moon Bay Tap	Chk Open	2	MOL	check open 2		
81)	Half Moon Bay Tap	Chk Open	174	MOL	check open 174		
82)	109 T28.55 Half Moon Bay Tap	Close	1	MOL	Close 1		
83)	109 T29.51 Bunker Hill Rd	Chk Open	29.51	MOL	check open 29.51		
84)	132 T30.55 Bunker Hill Rd	Close	30.55	MOL	Close 30.55		
85)	132 XO31.92	Chk close	3	MOL	Crystal Springs Crossover, Check close 3		
86)	132 XO31.95	Chk close	4	MOL	Crystal Springs Crossover, Check close 4		
87)	109 T31.13	Chk open	36 .	MOL	Denise Dr, Check open 36		
88)	132 T32.32	Close	177	MOL	Denise Dr, Close 177		
89)	132 T34.43	Chk open	474	MOL	Summit Dr., Check open 474		
90)	109 T33.25	Chk close	473	MOL	Summit Dr., Check close 473		
91)	132 T36.64	Chk open	1203	MOL	Hillcrest Blvd., Check open 1203		
92)	109 T35.43	Chk close	1206	MOL	Hillcrest Blvd., Check close 1206		
93)	109 T36.03	Chk Open	1308	MOL	Larkspur Dr., Check open 1308		
94)	132 T37.23	Chk close	1307	MOL	Larkspur Dr., Check close 1307		
95)	Healy Station	Close	3	MOL	Close 3		
96)	Healy Station	Close	4	MOL	Close 4		
97)	Healy Station	Chk open	1	MOL	Check open 1		
98)	Martin Station	-	2, 14	-	No valving required. End of clearance boundary.		
99)					**End Day 1. Start Day 2.** **Start Milpitas District Steps**		
100)	Milpitas Term	close	65	MOL	Close 65		
101)	Milpitas Term	Chk open	51	MOL	Check open 51		
102)	Milpitas Term	close	46	MOL	Close 46		
103)	Milpitas Term	close	47	MOL	Close 47		
104)	Milpitas Term	Chk close	52	MOL	Check close 52		
105)	Milpitas Term	Chk open	72	MOL	Check open 72. L132 to be fed from 300A		
106)	Milpitas Term	Chk open	94	MOL	Check open 94. L132 to be fed from 300A		
107)	Milpitas Term	Chk close	N	MOL	Check close N		
108)	Milpitas Term	Chk close	500	MOL	Check close 500		
109)	Milpitas Term	Chk close	A	MOL	Check close A		

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

SEQUENCE OF OPERATIONS

110)	Milpitas Term	Chk close	B	MOL	Check close B		
111)	Milpitas Term	Chk close	73	MOL			
112)	Milpitas Term	Chk close	69	MOL			
113)	Milpitas Term	Chk close	68	MOL			
114)	Milpitas Term	Chk close	Q	MOL			
115)	Milpitas Terminal	Close	49	MOL	Close & disable 49. End of clearance boundary.		
116)	Milpitas Terminal	Adjust setpoint	63	Caution	Adjust monitor setpoint to 420 psi.		
117)	Milpitas Terminal	Adjust setpoint	62	Caution	**Gas Operations** - Adjust setpoint to 400 psi outlet as measured at SCADA point MMT_PT0083		
118)					Hold 400 psi for 2 hours.		
119)	Milpitas Terminal	Adjust setpoint	62	Remove Caution	Return to normal operation, verify setpoint.		
120)	Milpitas Terminal	Adjust setpoint	63	Remove Caution	Return to normal operation. verify setpoint.		
121)					**Verify L132 at or below 375 psig before proceeding to next step.**		
122)	Milpitas Terminal	Adjust setpoint	49	Remove MOL	Return to normal operation. verify setpoint.		
123)	Milpitas Term	Open	65	Remove MOL			
124)	Milpitas Term	Chk open	51	Remove MOL			
125)	Milpitas Term	Open	46	Remove MOL			
126)	Milpitas Term	Open	47	Remove MOL			
127)	Milpitas Term	Chk close	52	Remove MOL			
128)	Milpitas Term	Chk open	72	Remove MOL			
129)	Milpitas Term	Chk open	94	Remove MOL			
130)	Milpitas Term	Chk close	N	Remove MOL			
131)	Milpitas Term	Chk close	500	Remove MOL			
132)	Milpitas Term	Chk close	A	Remove MOL			
133)	Milpitas Term	Chk close	B	Remove MOL	End Milpitas District steps.		
134)	Milpitas Term	Chk close	73	Remove MOL			
135)	Milpitas Term	Chk close	69	Remove MOL			
136)	Milpitas Term	Chk close	68	Remove MOL			
137)	Milpitas Term	Chk close	Q	Remove MOL			
38)					**End Day 2. Start Day 3. Start San Jose Division**		

INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

CLEARANCE NO. MIL 02-08 Rev. 0

SEQUENCE OF OPERATIONS

139)	109 T3.30 Lafayette St.	Chk close	1	Remove MOL			
140)					**Start De Anza Division**		
141)	132 T4.91 Lawrence	Chk close	B	Remove MOL			
142)	132 T8.23 Ellis St.	Chk open	49-F8A	Remove MOL			
143)	Whisman & Middlefield	Chk close	9	Remove MOL			
144)	Moffett Blvd	Chk closed	1	Remove MOL	Downstream of L132 T9.22		
145)	Moffett Blvd	Chk open	49-F6A	Remove MOL	Downstream of L132 T9.22		
146)	132 T 9.62 Shoreline	Chk close	49-E4C	Remove MOL	Downstream of T9.62		
147)	Burgoyne & Middlefield	Open	49-E4B	Remove MOL	Open 49-E4B		
148)	Burgoyne & Middlefield	Close	49-E4A	Remove MOL	Close 49-E4A		
149)	Sierra Vista Xover	Chk Open	1	Remove MOL			
160)	Sierra Vista Xover	Chk Open	7	Remove MOL			
151)	Sierra Vista Xover	Open	3	Remove MOL			
152)	Sierra Vista Xover	Open	4	Remove MOL			
153)	Sierra Vista Xover	Open	8	Remove MOL			
154)	Sierra Vista Xover	Chk Close	11	Remove MOL			
155)	132 T10.56 Victory Ave tap	Chk Open	49-E2E	Remove MOL			
156)	109 T10.98 Victory Ave tap	Chk close	49-E2F	Remove MOL			
157)	Palo Alto Mtr Stn #2	Chk Open	2	Remove MOL			
158)	Palo Alto Mtr Stn #2	Chk Open	3	Remove MOL			
159)	Palo Alto Mtr Stn #3	Chk Open	1	Remove MOL			
160)	Palo Alto Mtr Stn #3	Open	2	Remove MOL			
161)					**Start Peninsula Division**		
162)	109 T15.18 Stanford Ave	Chk Open	139	Remove MOL			
163)	132 T16.37 Stanford Ave	Chk Close	265	Remove MOL			
164)	109 T16.48 Cardinal Cogen	Chk Open	338	Remove MOL			
165)	132 T17.53 Cardinal Cogen	Chk Close	337	Remove MOL			
166)	109 T16.52 Campus Dr	Chk Open	113	Remove MOL			
167)	132 T17.59 Campus Dr	Chk Close	247	Remove MOL			

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

CLEARANCE NO. MIL 02-08 Rev. 0

SEQUENCE OF OPERATIONS

168)	132 T18.16 Santa Cruz Ave	Chk Open	244	Remove MOL			
169)	132 T18.16 Santa Cruz Ave	Chk Open	245	Remove MOL			
170)	109 T17.09 Santa Cruz Ave	Chk Close	112	Remove MOL			
171)	132 T18.18 Santa Cruz Ave	Chk Open	464	Remove MOL			
172)	109 T17.10 Santa Cruz Ave	Chk Close	465	Remove MOL			
173)	132 T18.58	Chk Open	157	Remove MOL			
174)	109 T17.51	Chk Close	111	Remove MOL			
175)	132 T19.13	Chk Open	490	Remove MOL			
176)	109 T18.13	Open	491	Remove MOL	Open 491		
177)	132 T19.17	Chk Open	2	Remove MOL			
178)	109 T18.17	Open	1	Remove MOL	Open 1		
179)	132 T19.22	Chk open	302	Remove MOL			
180)	109 T18.22	Open	303	Remove MOL	Open 303		
181)	109 T18.56	Chk Open	108	Remove MOL			
182)	132 T19.70	Chk Close	109	Remove MOL			
183)	132 T20.06 Walsh Rd Reg Stn	Chk Open	240	Remove MOL			
184)	109 T19.05 Walsh Rd Reg Stn	Open	241	Remove MOL	Open 241		
185)	132 T 21.39 Woodside Rd Reg Stn	Chk Open	236	Remove MOL			
186)	109 T20.43 Woodside Rd Reg Stn	Chk close	235	Remove MOL			
187)	109 T20.46 Woodside & L109	Chk Open	346	Remove MOL			
188)	132 T21.43 Woodside & L109	Chk close	347	Remove MOL			
189)	132 T21.76	Chk Open	230	Remove MOL			
190)	109 T20.78	Chk close	102	Remove MOL			
191)	132 T22.90	Chk Open	229	Remove MOL			
192)	109 T21.88	Chk close	101	Remove MOL			
193)	132 T23.11	Chk Open	2	Remove MOL			

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

CLEARANCE NO. MIL 02-08 Rev. 0

SEQUENCE OF OPERATIONS

194)	109 T22.08	Open	1	Remove MOL	Open 1		
195)	Edgewood Rd Crossover	Chk open	279	Remove MOL			
196)	Edgewood Rd Crossover	Open	278	Remove MOL	Open 278		
197)	Edgewood Rd Crossover	Open	A	Remove MOL	Open A		
198)	Edgewood Rd Crossover	Open	300	Remove MOL	Open 300		
199)	Edgewood Rd Crossover	Open	C	Remove MOL	Open C		
200)	Ralston Ave Reg Stn	Chk open	280	Remove MOL			
201)	Ralston Ave Reg Stn	Chk close	281	Remove MOL			
202)	Ralston Ave Reg Stn	Chk close	283	Remove MOL			
203)	Ralston Ave Reg Stn	Chk close	284	Remove MOL			
204)	Ralston Ave Reg Stn	Chk close	A	Remove MOL			
205)	Ralston Ave Reg Stn	Chk close	C	Remove MOL			
206)	Smcy Center	Chk open	2	Remove MOL	DCUST1429? Tower Rd?		
207)	Smcy Center	Open	1	Remove MOL	DCUST1429? Tower Rd? Open 1		
208)	Hillcrest Juvenile Hall	Chk open	Bridle valve	Remove MOL	Bridle valve off L109. 26 Tower Rd?		
209)	Hillcrest Juvenile Hall	Open	Bridle valve	Remove MOL	Bridle valve off L132. 26 Tower Rd? Open 1		
210)	Half Moon Bay Tap	Chk Open	2	Remove MOL			
211)	Half Moon Bay Tap	Chk Open	174	Remove MOL			
212)	Half Moon Bay Tap	Open	1	Remove MOL	Open 1		
213)	L109 T29.51 Bunker Hill Rd	Chk Open	29.51	Remove MOL			
214)	L132 T30.55 Bunker Hill Rd	Open	30.55	Remove MOL	Open 30.55		
215)	L132 XO31.92	Chk close	3	Remove MOL	Crystal Springs Crossover		
216)	L132 XO31.95	Chk close	4	Remove MOL	Crystal Springs Crossover		
217)	L109 T31.13	Chk open	36	Remove MOL	Denise Dr		
218)	L132 T32.32	Open	177	Remove MOL	Denise Dr. Opoen 177		
219)	132 T34.43	Chk open	474	Remove MOL	Summit Dr.		
220)	109 T33.25	Chk close	473	Remove MOL	Summit Dr.		
221)	132 T36.64	Chk open	1203	Remove MOL	Hillcrest Blvd.		
222)	109 T35.43	Chk close	1206	Remove MOL	Hillcrest Blvd.		
223)	109 T36.03	Chk Open	1308	Remove MOL	Larkspur Dr.		
224)	132 T37.23	Chk close	1307	Remove MOL	Larkspur Dr.		

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

CLEARANCE NO. MIL 02-08 Rev. 0

SEQUENCE OF OPERATIONS

225)	Healy Station	Open	3	Remove MOL	Open 3		
226)	Healy Station	Open	4	Remove MOL	Open 4		
227)	Healy Station	Chk open	1	Remove MOL			
228)					End of clearance, system returned to normal operations and normal configuration.		
⇒					REMOVE MCB MOL		
⇒					CHECK EQUIPMENT OPERATIONAL		
⇒					EQUIPMENT RELEASED TO OPERATIONS		
⇒					REDLINED CHANGES OF OM&D'S SENT BY FAX OR MAIL TO GAS CONTROL AND GSM MAPPING DEPT.		

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

CLEARANCE NO. MIL 02-08 Rev. 0

SEQUENCE OF OPERATIONS

Operating Maps:	Operating Diagrams:	Division	Station name
384522 sht 1 ch 51	383510 rev 51	Milpitas	Milpitas Terminal
384522 sht 2 ch 60	0800491 rev 2	SJ	N First St & Tasman Dr Reg Stn
384522 sht 3 ch 51	0800443 rev 2	SJ	Lafayette & Hogan Reg Stn
384522 sht 1 ch 51	0800444 rev 1	DA	Lawrence & Lakehaven Reg Stn
3803253 sht 1 ch 2	0800445 rev 1	DA	Whisman & Middlefield Rd Reg Stn
384523 sht1 ch 51	081659 rev 18	DA	Siera Vista Ave Crossover
	082457 rev 13	DA	Palo Alto Meter Stn No 2
	082458 rev 10	DA	Palo Alto Meter Stn No 3
	0800145 rev 2	Pen	Campus Dr and Junipero Serra Reg Stn
	0800146 rev 1	Pen	Alpine Rd and Piers Ln Reg Stn
	0800144 rev 3	Pen	Walsh Rd Reg Stn
	0800143 rev 1	Pen	Woodside Rd Reg Stn
	0800488 rev 2	Pen	Woodside and L109 reg stn
	082535 rev 2	Pen	Edgwood Rd Crossover
	082534 rev 10	Pen	Ralston Ave Reg Stn
	082482 rev 8	Pen	Half Moon Bay Tap
	087221 rev 1	Pen	Healy Stn
	081628 rev 21	Pen	Martin Stn

* INDICATE KEY COMMUNICATION STEPS WITH AN ASTERISK FOR COMMUNICATION AND LOGGING BETWEEN CLEARANCE SUPERVISOR AND GAS CONTROL CENTER

VIEIRA

(10:52 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
NITROGEN BOTTLE WAS EMPTY AT LODI (SHERMAN). BOTTLE WAS REPLACED. ROCHHOLZ

(10:52 Tue Dec 09 Send to SGC BRT)
OK THX
T A N K

(10:55 Tue Dec 09 From BR2 to SGC SG2 SG3 SG4 brt br3 br4)
FYI...RIO VISTA CREW AT LAS VINAS WORKING ON THE STATION
CHROMATOGRAPH..WORK WILL TAKE ABOUT 4 HRS. THEY WILL CALL WHEN
DONE...
LOPEZ

(10:55 Tue Dec 09 Send to SGC BRT)
OK
T A N K

(11:02 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
REGULATION RAISED AT YUBA CITY HOLDER L124/ 16" TO 595# DUE TO CWD.
ROCHHOLZ

(11:02 Tue Dec 09 Send to SGC BRT)
OK
T A N K

(11:03 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
ONLY 1 LEFT TO DO IS SWINGLE...WAITING ON CREW....ROCHHOLZ

(11:03 Tue Dec 09 Send to SGC BRT)
OK
T A N K

(11:07 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
CREW WORKING AT WEST RIPPON ROAD. DISREGARD ALARMS THERE, ROCHHOLZ

(11:07 Tue Dec 09 Send to SGC BRT)
10-4
T A N K

(11:18 Tue Dec 09 Send to SGC BRT)
GERBER K1 OFFLINE
T A N K

(11:18 Tue Dec 09 From BR2 to SGC SG2 SG3 SG4 brt br3 br4)
OK
LOPEZ

(11:21 Tue Dec 09 From BR3 to SGC SG2 SG3 SG4 brt br2 br4)
REQUESTING PERSMISSION TO START THE MILPITAS CLEARANCE NOW....MIL-02-08

VIEIRA

(11:21 Tue Dec 09 From SG2 to BRT BR2 BR3 BR4 sgc sg3 sg4)
request is granted to start mil-02-08
sandoval

(11:22 Tue Dec 09 Send to SGC BRT)
YES SIR
T A N K

(11:24 Tue Dec 09 From BR2 to SGC SG2 SG3 SG4 brt br3 br4)
CREW WORKING ON FELL STATION ANALYZER...ABOUT TWO HRS. WILL CALL WHEN DONE
LOPEZ

(11:25 Tue Dec 09 From SG2 to BRT BR2 BR3 BR4 sgc sg3 sg4)
ok thx on fell
sandoval

(11:28 Tue Dec 09 From BR2 to SGC SG2 SG3 SG4 brt br3 br4)
TECH AT HERSHEY STATION DOING WEEKLY ROUTINES..ABOUT TWO HRS. WORK WILL CALL WHEN DONE
LOPEZ

(11:29 Tue Dec 09 From SG2 to BRT BR2 BR3 BR4 sgc sg3 sg4)
ok affirm on hershey
sandoval

(11:31 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
WORK COMPLETED AT WEST RIPPON. ROCHHOLZ

(11:31 Tue Dec 09 From SG2 to BRT BR2 BR3 BR4 sgc sg3 sg4)
ok on west rippon
sandoval

(11:36 Tue Dec 09 Send to SGC BRT)
PER SENOIR WENZEL FOR CLRMIL-02-08 PLEASE CHANGE THE FOLLOWING TEMP ALARM SETPOINTS
13288 MMT-PT0062 MIL TERM BYPASS PRESS TEMP HIHI TO 403#
13156 MMY-PT0083 MIL TERM L132 PRESS TEMP HIHI TO 403#
12048 NHF-PT0001 HLF-MN-BY L132 PRESS TEMP HIHI TO 403#
12009 NMA-PT0030 MARTIN STA L132 U/S PRESS TEMP HIHI TO 403#
7010 JSI-PT0001 SR-VST-XTIE L132 PRESS TEMP HIHI TO 403#
T A N K

(11:36 Tue Dec 09 From BR3 to SGC SG2 SG3 SG4 brt br2 br4)
OK
VIEIRA

(11:54 Tue Dec 09 From BR4 to SGC SG2 SG3 SG4 brt br2 br3)
KETTLEMAN CREW WOULD LIKE PRELIM. OK FOR THE 3 CLEARANCES FOR LEAK CHECKS TOMORROW...KE-K-1-MM/CLEAN, K-2 & K-3...
PENA

(11:55 Tue Dec 09 Send to SGC BRT)
OK ON PRELIM FOR KETT LEAK CHECK
T A N K

(11:57 Tue Dec 09 Send to SGC BRT)
DELEVAN K2 OFFLINE
T A N K

(11:57 Tue Dec 09 From BR2 to SGC SG2 SG3 SG4 brt br3 br4)
OK
LOPEZ

(12:02 Tue Dec 09 From BR4 to SGC SG2 SG3 SG4 brt br2 br3)
WE HAVE OFFICIALLY REACHED 400 PSIG D/S OF MILPITAS ON L-132 FOR THE PRESSURE TEST...WE'LL LEAVE 'ER THERE FOR 2 HRS...
PENA

(12:02 Tue Dec 09 Send to SGC BRT)

T A N K

(16:34 Tue Dec 09 From BR2 to SGC SG2 SG3 SG4 brt br3 br4)
OK
LOPEZ

(16:58 Tue Dec 09 From MC3 to SGC SG2 SG3 SG4 BRT BR2 BR3 BR4 AGC AG2 AG3 mcd mc2)
CONFIRMING 100 M/D RATE.
JIM PEREZ/

(16:58 Tue Dec 09 Send to SGC BRT MCD AGC)
OK
T A N K

(the following sites are either not running the gls software or are in a
different chat session, and didn't receive your message: agc)

(17:01 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
SAC-38-08 DONE FOR THE DAY....WILL RESUME TOMORROW. ROCHHOLZ

(17:01 Tue Dec 09 Send to SGC BRT)
OK
T A N K

(17:02 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
JOB YOS-N-08-18 CONTINUING TONIGHT UNTIL COMPLETION...2200 HRS. BEST
GUESS. ROCHHOLZ

(17:02 Tue Dec 09 Send to SGC BRT)
OK
T A N K

(17:08 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
MERIDIAN REQUESTING PRELIMINARY FOR JOB ME-08-17 REV. 1 FOR TOMORROW
12/10. ROCHHOLZ

(17:15 Tue Dec 09 From BR3 to SGC SG2 SG3 SG4 brt br2 br4)
JOB MIL-02-08 IS DONE, BUT DIV HAS SOME VALVES THEY NEED TO CORRECT
TOMORROW, WILL NOT AFFECT OPERATIONS.
VIEIRA

(17:20 Tue Dec 09 From BR3 to SGC SG2 SG3 SG4 brt br2 br4)
MILPITAS STATION CLEARANCE IS DONE, STATION IS BACK TO NORMAL, PER PAINTER
DIV, HAS SOME MINOR VALVING TO DO, DE ANZA HAS SOME CROSSTIE TO REOPEN, NO
OPERATIONS AFFECTED.
VIEIRA

(17:21 Tue Dec 09 Send to SGC BRT)
OK, SO ITS OK TO RETURN ALARMS TO NORMAL
T A N K

(17:21 Tue Dec 09 From BR3 to SGC SG2 SG3 SG4 brt br2 br4)
YES
VIEIRA

(17:21 Tue Dec 09 Send to SGC BRT)
10-4
T A N K

(17:22 Tue Dec 09 Send to SGC BRT)
HERSHEY L172 TO 735#
T A N K

(17:22 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
OK ROCHHOLZ

(17:23 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
REQUESTING PRELIMINARY FOR JOB NCS-55-08 FOR TOMORROW 12/10. JOB IS TO WELD AND TAP ON A DFM IN SANTA ROSA. NO EFFECT TO STATION OPERATIONS.
ROCHHOLZ

(17:33 Tue Dec 09 Send to SGC BRT)
OK ON PRELIM FOR ME-08-17
T A N K

(17:33 Tue Dec 09 Send to SGC BRT)
OK ON PRELIM NCS-55-08
T A N K

(17:59 Tue Dec 09 From BR2 to SGC SG2 SG3 SG4 brt br3 br4)
SAC T&R HAVE COMPLETED WORK FOR THE DAY ON CLEARANCE SA-38-08, NSH. V-139 AND V-140 STILL IN SERVICE, V-142 STILL O/S. WILL RETURN IN THE A.M. TO CONTINUE.
ROUANZOIN

(18:00 Tue Dec 09 From SG2 to BRT BR2 BR3 BR4 sgc sg3 sg4)
thanks!
grant

(18:45 Tue Dec 09 From SG2 to MCD MC2 MC3 sgc sg3 sg4 brt br2 br3 br4)
island:
please set rate to min or just clean volume at this time!
we will be bringing you back up to rate around 0400 hrs or so tonight.
thanks!
grant

(18:45 Tue Dec 09 From MC2 to SGC SG2 SG3 SG4 brt br2 br3 br4 mcd mc3)
JAMES ND MONARREZ REPORTING ON SHIFT WITH CELLS 993-9408 AND 649 3538
GOOD EVENING SIRS!!!!
JAMES

(18:46 Tue Dec 09 From SG2 to MCD MC2 MC3 sgc sg3 sg4 brt br2 br3 br4)
good evening!
grant

(18:46 Tue Dec 09 From MC2 to SGC SG2 SG3 SG4 brt br2 br3 br4 mcd mc3)
WILL DO
JAMES

(18:56 Tue Dec 09 From TOP to SGC SG2 SG3 SG4 TOP brt br2 br3 br4 hln)
MCINTYRE ON SHIFT
K-2,3,4,5,7,8,9 ON LINE,K-10 AVAIL,ODORIZING TO BOTH LINES AT INJ. RATE OF .25
MCINTYRE

(18:56 Tue Dec 09 From SG2 to TOP sgc sg3 sg4 brt br2 br3 br4 hln)
thanks for the update!
grant

(19:15 Tue Dec 09 From SG2 to BRT BR2 BR3 BR4 sgc sg3 sg4)
per sr bill albright and with the completion of clrnce mil-02-08 please return the following alarms back to normal:
pvid13288 tag name mmt_pt0062 mil term bypass hihi to 378
pvid 13156 tag name mmt_pt0083 mil term 1132 press hihi to 378

pvid 12048 tag name nhf_pt0001 hlf-mn-by-l132 press hihi to 378
pvid 12009 tag name nma_pt0030 martin sta l12 u/s press hihi to 378
pvid 7010 tag name jsi_pt0001 sr-vst-xtie l132 press hihi to 378
thanks for your help!
grant

(19:15 Tue Dec 09 From BR4 to SGC SG2 SG3 SG4 brt br2 br3)
OK
VALENTI

(19:48 Tue Dec 09 From SG3 to BRT BR2 BR3 BR4 HIN TOP sgc sg2 sg4)
final rates for today...
epng...728.3
tw...371.9
qst...30.7
krgt...0
kramer...0
gtn...924.5
socal...0
wg w/d...236.2
lodi w/d...258.4.....
albright

(19:48 Tue Dec 09 From BR4 to SGC SG2 SG3 SG4 HIN TOP brt br2 br3)
OK
VALENTI

(19:48 Tue Dec 09 From HIN to SGC SG2 SG3 SG4 BRT BR2 BR3 BR4 HIN TOP)
NOTED SIR
R BRYAN

(20:18 Tue Dec 09 From SG2 to BRT BR2 BR3 BR4 sgc sg3 sg4)
bethany v15 to 675 psig
thanks!
grant

(20:19 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
OK, FOR SURE THIS TIME!
MITCHELL

(21:20 Tue Dec 09 From BR2 to SGC SG2 SG3 SG4 brt br3 br4)
WE SHUT-IN THE NSH FILL AS IT WAS FULL.
ROUANZOIN

(21:21 Tue Dec 09 From SG2 to BRT BR2 BR3 BR4 sgc sg3 sg4)
thanks pat!
grant

(21:41 Tue Dec 09 From BRT to SGC SG2 SG3 SG4 BRT br2 br3 br4)
YOSEMITE DIVISION SUPERVISOR FRANKEWICH REPORTS CLEARANCE YOS-S--08-18 IS COMPLETE.
MITCHELL

(21:41 Tue Dec 09 From SG2 to BRT BR2 BR3 BR4 sgc sg3 sg4)
thanks!
grant

(00:10 Wed Dec 10 From SG2 to BRT BR2 BR3 BR4 sgc sg3 sg4)
herhsey l172 to 705 psig
thanks!
grant

(08:20 Wed Jan 27 Send to SGC HIN brt top)
THX
T A N K

(08:25 Wed Jan 27 Send to SGC BRT hin)
PLEASE START DELIVERY TO SOCAL
T A N K

(08:25 Wed Jan 27 From BR3 to SGC SG2 SG3 SG4 brt br2 br4 hin)
OK
CENDANA

(08:28 Wed Jan 27 From BR4 to SGC SG2 SG3 SG4 brt br2 br3)
ERIC COM TECH FROM SAN JOSE WILL BE WORKING ON COM AT PLS 6
DOCTO

(08:28 Wed Jan 27 Send to SGC BRT)
OK
T A N K

(08:40 Wed Jan 27 From BR3 to SGC SG2 SG3 SG4 brt br2 br4)
MILPITAS TECH CALIBRATING PT'S ON THE OUTGOING LINES
CENDANA

(08:40 Wed Jan 27 Send to SGC BRT)
THX
T A N K

(08:43 Wed Jan 27 Send to SGC BRT)
SOCAL FLOW TO 7.5/HR
T A N K

(08:43 Wed Jan 27 From BR3 to SGC SG2 SG3 SG4 brt br2 br4)
OK
CENDANA

(08:50 Wed Jan 27 From TOP to SGC SG2 SG3 SG4 TOP brt br2 br3 br4 hin)
AT 0845, K9 DOWN AND UNAVAILABLE ON CLEARANCE TO-K9GAR
SMITH AND THOMAS

(08:50 Wed Jan 27 Send to SGC TOP brt hin)
OK
T A N K

(08:59 Wed Jan 27 From MC2 to SGC SG2 SG3 SG4 brt br2 br3 br4 mcd mc3)
ARE WE STILL GOING TO BE ABLE TO ANALYZE K-1 TOMORROW ?
PETE T

(09:00 Wed Jan 27 Send to SGC MCD brt)
YES AS LONG AS WE CAN STILL W/D DURING ANALYZING
T A N K

(09:01 Wed Jan 27 From MC2 to SGC SG2 SG3 SG4 brt br2 br3 br4 mcd mc3)
HOW MUCH DO YO PLAN ON WITHDRAWING IN THE A.M. ?
PETE T

(09:02 Wed Jan 27 Send to SGC MCD brt)
800/D RATE
T A N K

(09:02 Wed Jan 27 From MC2 to SGC SG2 SG3 SG4 brt br2 br3 br4 mcd mc3)

Selected SCADA Pressure on 1/27/2010

Time	Mlpts-Ter L132 Press	Mlpts-Ter L101 Press	Mlpts-Ter Mixer D/S Press	Mlpts-Ter L107 Press	Mlpts-Ter L300B Press	Mlpts-Ter L300A Press	Mlpts-Ter L131 Press
	Pressures downstream of Milpitas Mixer			Pressures upstream of Miplitas Terminal			
1/27/2010 8:49	367	367	371	439	503	543	389
1/27/2010 8:50	367	367	370	438	503	543	390
1/27/2010 8:51	367	367	370	439	503	543	390
1/27/2010 8:51	367	367	370	439	502	543	390
1/27/2010 8:52	367	367	370	439	502	543	390
1/27/2010 8:52	367	367	370	439	503	544	391
1/27/2010 8:53	368	368	370	439	502	543	392
1/27/2010 8:54	367	367	369	439	503	543	394
1/27/2010 8:54	367	367	369	439	502	543	397
1/27/2010 8:55	367	367	369	439	502	543	397
1/27/2010 8:55	367	366	368	440	503	543	399
1/27/2010 8:56	367	366	367	440	502	542	402
1/27/2010 8:57	426	365	367	439	502	543	406
1/27/2010 8:57	796	365	367	439	503	543	409
1/27/2010 8:58	796	365	367	439	503	543	409
1/27/2010 8:58	801	364	366	439	502	542	412
1/27/2010 8:59	801	363	365	439	502	543	413
1/27/2010 9:00	801	363	365	439	502	543	415
1/27/2010 9:00	801	363	365	439	502	543	415
1/27/2010 9:01	800	363	364	439	502	543	416
1/27/2010 9:01	799	363	364	439	502	543	418
1/27/2010 9:02	799	362	364	439	502	542	418
1/27/2010 9:03	800	362	364	439	503	543	418
1/27/2010 9:03	800	362	364	439	503	543	418
1/27/2010 9:04	798	362	364	440	501	543	418
1/27/2010 9:04	798	362	364	440	501	542	418
1/27/2010 9:05	798	362	365	439	502	542	418
1/27/2010 9:06	800	362	364	439	501	542	418
1/27/2010 9:06	800	362	364	439	501	542	418
1/27/2010 9:07	799	362	364	439	502	543	418
1/27/2010 9:07	799	363	366	439	501	543	418
1/27/2010 9:08	407	362	365	439	501	543	418
1/27/2010 9:09	407	362	364	441	502	542	418
1/27/2010 9:09	407	362	364	441	502	542	418
1/27/2010 9:10	363	363	365	439	501	543	418
1/27/2010 9:10	363	363	365	440	501	543	418
1/27/2010 9:11	363	363	365	440	501	543	419
1/27/2010 9:12	363	363	365	440	501	543	419
1/27/2010 9:12	363	364	365	440	503	543	419