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May 5, 2014

Mr. Ken Bruno Gas Safety and Reliability Branch Safety and Enforcement Division California Public Utilities Commission 505 Van Ness Avenue San Francisco, CA 94102

Re: State of California – Public Utilities Commission General Order 112-E Audit – PG&E's Kern Division

Dear Mr. Bruno:

The Safety and Enforcement Division (SED), Gas Safety and Reliability Branch (GSRB) of the CPUC conducted a General Order 112-E audit of Pacific Gas and Electric (PG&E) Kern Division, from October 14 - 18, 2013. On March 20, 2014, the SED submitted their audit report, identifying violations and findings. Attached is PG&E's response to the CPUC audit report.

Please contact Redacted at Redacted or Redacted for any questions you may have regarding this response.

Sincerely,

/S/ Redacted

Attachments

cc: Aimee Cauguiran, CPUC Willard Lam, CPUC Dennis Lee, CPUC Liza Malashenko, CPUC Redacted

Bill Gibson, PG&E Sumeet Singh, PG&E

## **INSPECTION INFORMATION**

Inspection Dates	Finding	<b>CPUC Contact</b>	<b>CPUC Phone #</b>
October 14 - 18, 2013	Internal Review	Willard Lam	(415) 703-1327

#### **INSPECTION FINDING**

nding	Division and mai (CFR), § Table 1.	Audit. Some of P ntenance standar 192.605(a). All vio	G&E's internal a ds, and are ther plations identifie	s from its internal audit con udit findings are violations efore violations of Title 49 d in PG&E's internal finding nmary	of PG&E's ov Code of Fede	vn operation ral Regulatic
	ltem	Code Violation	Topic	Finding	Instances	Corrective Status
	1	192.723(b)(1) 192.723(b)(2)	Leak Survey Distribution	Maps out of compliance	10	Complete
	2	192.706	Leak Survey Transmission	Maps out of compliance	36	Complete
	3	192.605(a)	Leak Repair	Leaks with late action	60	Complete
	4	192.605(a)		CPA action plans created late or not updated within 30 days	56	Complete
	5	192.605(a)		CPA forms missing supervisor review	3	Complete
	6	192.605(a)	Corrosion Control	Rectifier output not within the interference results	6	Complete
	7	192.605(a)		Missing pre/post rectifier reads	1	N/A
	8	192.605(a)		Rectifier forms missing information	5	Complete
	9	192.465(d)		CPA areas down for greater than 15 months	8	Pending
	10	192.605(a)	Instrument	Missing Transmission Leak Survey instrument calibration records	183	Complete
	11	192.605(a)	Calibration	Missing Distribution Leak Survey instrument calibration records	244	Complete
	12	192.605(a)	Idle Stubs	Gas stub cut-off process timelines not followed	-	Complete

Definitions:

#### **PG&E RESPONSE**

Regarding its internal review findings, PG&E had one pending corrective action remaining as of October 18, 2013. The one pending item was related to Item 9 in Table 1 above, for which PG&E noted that it would install a deep well anode to restore Cathodic Protection Area (CPA) 157300. The deep well anode was installed and operational on November 23, 2013. The other seven instances counted in Item 9 were resolved prior to the audit, as noted in the Kern Division Internal Review Summary provided to the CPUC.

#### ATTACHMENTS

Attachment #	Title or Subject
N/A	

#### **ACTION REQUIRED**

Action To Be Taken	Due Date	Responsible Dept.
N/A		

#### **INSPECTION INFORMATION**

Inspection Dates	Finding	<b>CPUC Contact</b>	<b>CPUC Phone #</b>
October 28- November 1, 2013	NOV - 1	Terence Eng	(415) 703-5326

#### **INSPECTION FINDING**

CPUC	1. <u>General C</u>	rder 112-E § 143.1 states:			
Finding	"A gas detector survey must be conducted in business districts and in the vicinity of schools, hospitals and churches, including tests of the atmosphere in gas, electric, telephone, sewer and water system manholes, at cracks in pavement, and sidewalks, and at other locations providing an opportunity for finding gas leaks, at intervals not exceeding 15 months, but at least once each calendar year."				
	maps con with the l		nd public assembly areas t ider General Order 112-E	09 Distribution Leak Survey to demonstrate compliance §143.1:	
	Plat Map	2008 Leak Survey	2009 Leak Survey	2010 Leak Survey	
	5127-B7	8/18/08	Missing	1/29/10	
	5027-C8	9/9/08	Missing	4/8/10	

#### **PG&E RESPONSE**

PG&E agrees with this finding. From 2008 and 2010 the leak survey schedules were maintained on a local spreadsheet. The maps were inadvertently removed from the schedule in 2009, but rediscovered and then immediately surveyed in 2010, as noted in Table 2 above. No leaks were found as a result of the 2010 surveys. Leak surveys are now scheduled through the SAP work management system, which has controls to prevent inadvertent removals of leak survey maps from their appropriate schedules.

#### **ATTACHMENTS**

Attachment #	Title or Subject
N/A	

#### **ACTION REQUIRED**

Action To Be Taken	Due Date	Responsible Dept.
N/A		

#### **INSPECTION INFORMATION**

<b>Inspection Dates</b>	Finding	<b>CPUC Contact</b>	<b>CPUC Phone #</b>
October 14 - 18, 2013	NOV - 2	Willard Lam	(415) 703-1327

#### **INSPECTION FINDING**

CPUC Finding	2. <u>Title 49 CFR §192.465(d) states:</u>			
	"Each operator shall take prompt remedial action to correct any deficiencies indicated by the [external corrosion control] monitoring"			
	The May 19, 1989, Federal Pipeline and Hazardous Materials Safety Administration's (PHMSA's) Inspection Guideline and Interpretation #PI-89-006 for 192.465(d) states that as a rule of thumb, PHMSA interprets "prompt" as having the "correction completed by the time of the next scheduled monitoring". The Division discovered that Cathodic Protection Area (CPA) No. 157414 had inadequate cathodic protection in June 2010. The Division did not restore the cathodic protection to the CPA to the levels defined in Appendix D of Title 49 CFR Part 192 until December 2011, 18 months after it discovered that the cathodic protection was inadequate.			

#### **PG&E RESPONSE**

PG&E agrees with this finding. PG&E had not established in Gas Standard O-16 what is prompt remedial action to correct any deficiencies indicated by the cathodic protection monitoring Throughout 2014, the Corrosion Engineering Department will be implementing significant changes in corrosion control processes and procedures. Included in these significant changes will be a specific timeframe defining prompt remedial action to be within 15 months and a process to streamline the engineering, permit application, and construction scheduling of deep well anodes.

#### **ATTACHMENTS**

Attachment #	Title or Subject
N/A	

#### **ACTION REQUIRED**

Action To Be Taken	Due Date	Responsible Dept.
Rollout Process and Procedure changes to Corrosion Control	December 31, 2014	Corrosion Engineering

## **INSPECTION INFORMATION**

Inspection Dates	Finding	<b>CPUC Contact</b>	<b>CPUC Phone #</b>
October 14 - 18, 2013	NOV – 3	Willard Lam	(415) 703-1327

## **INSPECTION FINDING**

Finding	3.	<u>Title 49 CFR §192</u>	.605(a) states:			
Finding					e, a manual of written procedures d for emergency response."	
		3.1. PG&E Standard O-16 states:				
		Action Plan" form	(Attachment B) CPA is found bel	must be used and deve	30 days, the "CPA Follow-Up cloped within 30 calendar days protection, as defined by the	
				d below in Table 3, wh 130 days as required b	ere the Division failed to create y PG&E's standard.	
		Table 3. Missing (	CPA Follow-up Ac	tion Plans		
		CPA Location	Date Found	Date Restored	Days until Restoration	
		1571-15-B	10/10/11	12/13/13	64	
		1573-02	5/20/11	7/27/11	68	
		1574-20	12/20/10	2/17/11	59	
		L-312	3/16/12	5/4/12	49	
		4760-03	11/29/10	1/3/11	35	
				30-04 Attachment 1 sta	ates:	
		maintained facilit regulators have a SED discovered th Maintenance Rec Maintenance Rec	ies) requiring ma completed [Valv nat the Division fa ord forms. Some ord form are pro	intenance per this wor e Maintenance Record ailed to list a pressure of of the valves with no p vided in Table 4.	for gas transmission district- k procedure and ball or plug valve ] form." rating on several Valve pressure rating on the Valve	
		maintained facilit regulators have a SED discovered th Maintenance Rec Maintenance Rec <b>Table 4</b> . Valves M	ies) requiring ma completed [Valv hat the Division fa ord forms. Some ord form are pro issing Pressure R	intenance per this wor e Maintenance Record ailed to list a pressure of the valves with no p vided in Table 4. ating	k procedure and ball or plug valve ] form." rating on several Valve pressure rating on the Valve	
		maintained facilit regulators have a SED discovered th Maintenance Rec Maintenance Rec Table 4. Valves M Valve Num	ies) requiring ma completed [Valv nat the Division fa ord forms. Some ord form are pro issing Pressure R ber	intenance per this wor e Maintenance Record ailed to list a pressure i of the valves with no p vided in Table 4. ating Valve Location	k procedure and ball or plug valve ] form." rating on several Valve pressure rating on the Valve Station Name	
		maintained facilit regulators have a SED discovered th Maintenance Rec Maintenance Rec Table 4. Valves M Valve Num 11	ies) requiring ma completed [Valv nat the Division fa ord forms. Some ord form are pro issing Pressure R ber Bov	intenance per this wor e Maintenance Record ailed to list a pressure of the valves with no p vided in Table 4. ating Valve Location vman & China Lake	k procedure and ball or plug valve ] form." rating on several Valve pressure rating on the Valve <b>Station Name</b> Bowman Regulating Station	
		maintained facilit regulators have a SED discovered th Maintenance Rec Maintenance Rec Table 4. Valves M Valve Num 11 T-62.98/	ies) requiring ma completed [Valv nat the Division fa ord forms. Some ord form are pro issing Pressure R ber Bov A L-	intenance per this wor e Maintenance Record ailed to list a pressure of of the valves with no p vided in Table 4. ating Valve Location vman & China Lake 300A @ T-62.98A	k procedure and ball or plug valve [] form." rating on several Valve pressure rating on the Valve Station Name Bowman Regulating Station Chambliss Station	
		maintained facilit regulators have a SED discovered th Maintenance Rec Maintenance Rec Table 4. Valves M Valve Num 11	ies) requiring ma completed [Valv nat the Division fa ord forms. Some ord form are pro issing Pressure R ber Bov A L-	intenance per this wor e Maintenance Record ailed to list a pressure of the valves with no p vided in Table 4. ating Valve Location vman & China Lake	k procedure and ball or plug valve ] form." rating on several Valve pressure rating on the Valve Station Name Bowman Regulating Station	

Definitions:

"Check box for all items inspected and Record AC/DC Voltage and DC amperage measurements leave blank if not applicable. Note corrections or changes in Log on back of form" SED discovered that the Division failed to properly document rectifier direct current (DC) amperes, DC voltage rating, and fusible alternating current (AC) breaker disconnect switch rating changes on the back of the Pole Mount/Pedestal Mount Rectifier Test and Site Evaluation Form for the three rectifiers listed below in Table 5. Table 5. Missing Documentation for Rectifier Form Changes Rectifier CPA Changes Number Number The rectifier DC amperes rating and DC voltage rating KC87 157426 changed in 2012 with no record of rectifier replacement. The rectifier DC amperes rating, DC voltage rating, and 168 fusible AC disconnect switch rating changed in 2011 with no 156201 record of rectifier replacement. The rectifier DC amperes and DC voltage ratings changed in 2012. The fusible AC disconnect switch rating changed in KC-13 157102-A 2011. Both changed occurred with no record of rectifier replacement. 3.4. PG&E Standard O-71 Copper-Copper Sulfate Reference Electrodes states: "Check each reference electrode for calibration four times each calendar year, not to exceed 4-1/2 months." SED discovered that the Division failed to calibrate six Miller RE5 reference electrodes, shown below in Table 6, at least 4 times a year as required by PG&E Standard O-71. Table 6. Reference Electrode with Improper Calibration Serial Number **Period Missing Calibration** 03 / B17791 2011 FM#IC30 / B16119 2011 FM#IC28 2011, 2012 FM#IC26 / B25878 2012 Greater than 4.5 months between 6/30/11 and 027 12/21/11 026 2011 3.5. PG&E Form TD-4412P-02-F01 states: "If the Metrotech 9890/850 signal strength differs by (+/-) 25% of the baseline signal a. strength OR the Vivax vLocML differs by (+/-) 15% decibel (dB) of the baseline, then remove instrument from service and send to approved repair facility." Definitions: NOV - Notice of Violation

AOC - Area of Concern

Serial Numbe	ch Vivax Out o		Readings	Date
			54.9	7/2/2012
17107081179 20601070312	5/	8-78.2	54.5	11/27/201
200010/031	<u>-</u>		56.6	7/9/2012
171070400480	5/ 506	5-79.35	45 45	10/26/201
2060107032	1	5-79.55	43	11/27/201
remove the Met facility when the <b>Table 8</b> . Metrote	depth reading	s were outside o	f the acceptable	
Serial#	Facility	Range	Readings	Dat
171070801179/ 20601070336	35″	31.25 - 38.7	5 31"	12/3/2
			18"	8/6/2
			18"	9/28/
			18"	10/25,
			18"	8/13/
			18"	10/8/
			18"	10/12,
	24"		18"	6/1/2
171070801179/	27	20.8 - 27.2		1
171070801179/ 20601070312	27	20.8 - 27.2	18"	6/18/
	24	20.8 - 27.2	18" 18"	
	27	20.8 - 27.2		6/25/
	24	20.8 - 27.2	18"	6/25/ 7/2/2
	24	20.8 - 27.2	18" 17"	6/25/2 7/2/2 11/27/
	24	20.8 - 27.2	18" 17" 17"	6/18/3 6/25/3 7/2/2 11/27/ 7/16/3 7/24/3
	24	20.8 - 27.2	18" 17" 17" 18"	6/25/2 7/2/2 11/27/ 7/16/2

Definitions:

NOV – Notice of Violation

	detectors at least once a month while the units are in service. All units not in use for the respective month shall be noted as out of service."					
	• <i>"If the calibration is not within the allowable limits, send the instrument to an approved service provider for adjustment or repair."</i>					
	• "Also test the units with 100% natural gas"					
	• <i>"Use the [Monthly V</i> (CGIs)] form to recor		Calibration of Combustible Gas Indicators bration checks."			
	ED discovered the following ollow PG&E Leak Survey Cali		pelow in Table 9, when the Division failed to M53.3.			
-	Table 9. CGI Instrument Calik	oration Issues				
	CGI Serial Number	Date	Issue			
	1108-060740	8/24/2011	Missing meter sample gas percentage			
	1127-061137	7/22/2011	Missing reading for percent lower explosive limit (LEL)			
	923059551	8/24/2011	Missing meter sample gas percentage			
	916059401	1/31/2011	Missing reading for percent LEL			
		3/21/2011	Instrument not sent out for			
	717058158	8/28/2012	service/repair when LEL reading was			
		9/18/2012	outside acceptable limit			
		8/24/2011	Missing meter sample gas percentage			
	24808	2011	Missing meter sample gas percentage for 2011			
		2011	Missing meter sample gas percentage for 2011			
	24913	7/25/2011	Instrument not sent out for service/repair when LEL reading was outside acceptable limit			
		1/25/2011				
	2212	2/28/2011	<ul> <li>Missing reading for percent LEL</li> </ul>			
		3/21/2011				
		4/18/2011				
	932059654	5/2011	Missing calibration or indication of not in service for May 2011			
		4/29/2011	Missing reading for percent LEL			
	850059181	8/2011	Missing calibration or indication of not in service for August 2011			
	4207	9/2012	Missing test with 100% natural gas			
	Check the calibration of [Hyd	drogen Flame Ioni	Standard M-53.3 additionally states: zation] gas detectors before the first field nd its calibration not checked for any given			
	co in any awon wook it tho	unit is not used as				

Definitions:

to perform weekly instrument Table 10. Leak Survey Instrum	calibration or indicate th	
Instrument Type	Serial #	Months with weeks missir calibration or "out of service" note
Remote Methane	8000550011	2010:Oct 2011:Jan, Apr, Jul, Aug
Flame Ionization	1500818003 #1	2010:Oct, Nov, Dec 2011:Jan, Feb, Jun, Jul, Sep Oct, Dec 2012:Mar, Jul, Aug
Flame Ionization	1500818004 #2	2010:Oct, Nov, Dec 2011:Most of the year except for Apr and May 2012:Mar, Apr, Nov
Flame Ionization	1500818005 #3	2011:Feb, Mar, Jul, Sep, Oc Nov, Dec 2012:Feb, Mar, Apr
Flame Ionization	1500537001 #4	2010:Oct, Nov, Dec 2011:Most of the year except for Mar, Apr, May, Jun
Flame Ionization	7002	2011:Most of the year except for Jul

Definitions: NOV – Notice of Violation AOC – Area of Concern

SB\_GT&S\_0070681

#### **PG&E RESPONSE**

#### 3.1

#### 1571-15B

PG&E respectfully disagrees with this finding. PG&E identified a field copy of the CP maintenance record indicating that the restoration date was November 7, 2011 and not December 13, 2011 (See Attachment 1). PG&E acknowledges that information had not been properly transferred from field copies to the permanent files reviewed during the audit.

#### 1573-02

PG&E agrees with the finding that it failed to adhere to PG&E's Gas Standard & Specification O-16, "Corrosion Control of Gas Facilities". The area was restored on June 29, 2011 and not July 27, 2011 as noted in Table 3 above (See Attachment 2). To prevent recurrence, PG&E reviewed CPA Restoration requirements with the Local Corrosion Group on April 3, 2014 (See Attachment 3). Furthermore, PG&E has implemented an electronic notification process through its SAP work management system to ensure these action plans are updated monthly.

#### 1574-20

PG&E agrees with the finding that it failed to adhere to PG&E's Gas Standard & Specification O-16. "Corrosion Control of Gas Facilities". To prevent recurrence, PG&E reviewed CPA Restoration requirements with the Local Corrosion Group on April 3, 2014. Furthermore, PG&E has implemented an electronic notification process through its SAP work management system to ensure these action plans are updated monthly.

#### L-312

PG&E respectfully disagrees with this finding. PG&E identified a field copy of the CP maintenance record indicating that the restoration date was April 5, 2012 and not May 4, 2012 (See Attachment 4). PG&E acknowledges that information had not been properly transferred from field copies to the permanent files reviewed during the audit.

#### 4760-03

PG&E respectfully disagrees with this finding. PG&E identified a field copy of the CP maintenance record indicating that the restoration date was December 13, 2010 and not January 3, 2011 (See Attachment 5). PG&E acknowledges that information had not been properly transferred from field copies to the permanent files reviewed during the audit.

#### 3.2

PG&E agrees with this finding. PG&E is in the process of communicating asset data from its MAOP Validation effort to its maintenance organizations system-wide to input on appropriate records, including valve maintenance cards. Valves for which PG&E has not identified records to verify pressure ratings will be addressed through a corrective action plan that is being developed to determine appropriate risk-based priorities and actions. PG&E was unable to meet its previous commitment to develop this action plan by April 30, 2014, per its responses to the 2013 Hinkley and Peninsula CPUC Audit Reports. PG&E expects to develop this action plan by May 31, 2014.

Definitions:

#### 3.3

PG&E agrees with this finding. Kern Division's cathodic protection maintenance personnel will verify the changes to the rectifiers via records and field inspections and will make appropriate corrections to the Pole Mount/Pedestal Mount Rectifier Test and Site Evaluation Forms by May 16, 2014.

#### 3.4

PG&E agrees with this finding. Kern Division determined that in some cases, the electrodes were unavailable when the calibrations were due because they were in a vehicle that was out for maintenance. To mitigate recurrence, Kern Division reviewed the requirements of PG&E Standard O-71 Copper-Copper Sulfate Reference Electrodes with the Corrosion Mechanics on April 3, 2014 (See Attachment 3). Furthermore, the Division reminded mechanics to remove all calibration equipment prior to any vehicle maintenance.

#### 3.5.a and b

PG&E agrees with these findings and is implementing the following corrective actions to prevent recurrence:

- In 2014, Kern Division began using a single location/calibration field to calibrate all locate machines to improve timely identification of signal/depth variations that may arise in documentation.
- Kern Division is now using the revised calibration form TD-5811P-205-F-01 (revised October 2013), which requires the calibration location and the depth of the facility site, which will improve clarity in documentation.
- PG&E's Gas Operations Quality Control (QC) group has begun regular reviews of all calibration documentation in each division. As part of the review process, QC will notify the Locate and Mark Supervisor of discrepancies on the calibration document.
- PG&E provided refresher briefing to Kern Division Locate & Mark personnel to review proper calibration documentation and procedures (See Attachment 6).
- In 2012, Kern Division installed a new instrument calibration site in Bakersfield, working with consultants from Metrotech, to ensure more accurate, consistent, and timely calibrations. The previously used calibration site was subject to interference, resulting in false errors and delays in calibration.
- The Kern Division Damage Prevention Supervisor will continue to ensure timely and thorough completion of monthly reviews and sign-offs of the calibration forms.

#### 3.5

PG&E agrees with this finding. PG&E reviewed the calibration procedures and process for sending an instrument into repair with the Kern Division employee responsible for the monthly calibrations (See Attachment 7). Going forward, the Kern Division Distribution M&C Supervisor will review and initial the calibration form after each monthly calibration.

In May 2013, PG&E published a revised form TD-4110P-21-F-01, "Monthly Verification of the Calibration of Combustible Gas Indicators (CGIs)." The revised form simplifies the gas meter sampling ranges to improve consistent recording of calibrations. The CGI instruments listed in Table 9 are no longer used for routine Leak Surveys in Kern Division; Kern Division's Leak Survey personnel have converted to using daily self-tested Detecto Pak-Infrareds (DPIRs).

Definitions:

#### 3.6

PG&E agrees with this finding. Kern Division has reviewed its leak survey and calibration records and has verified that for the majority of the weeks with missing calibration records, the instruments were not in use. PG&E acknowledges that it failed to properly document that the instruments were not in use for those weeks.

From its review, Kern Division has identified 12 plats surveyed in 2011 with two instruments that did not have records of calibrations for the applicable weeks (Table A). For the two instruments used for these leak surveys (Flame Ionization Units 1500818003 #1 and 7002), PG&E has confirmed that the earliest calibration records subsequent to the leak surveys show that each instrument was within acceptable calibration limits (Attachment 8).

Plat	Survey Date	Instrument	Subsequent Calibration Date
00C4	9/29/2011	FI 1500818003 #1	10/13/2011
00C5	9/29/2011	FI 1500818003 #1	10/13/2011
00H4	9/27/2011 9/29/2011	FI 1500818003 #1	10/13/2011
00G4	6/30/2011 7/2/2011	FI 7002	7/6/2011
0015	7/2/2011	FI 7002	7/6/2011
00A3	7/2/2011	FI 7002	7/6/2011
00A8	7/2/2011	FI 7002	7/6/2011
00B3	7/2/2011	FI 7002	7/6/2011
00B4	7/2/2011	FI 7002	7/6/2011
00B5	7/2/2011	FI 7002	7/6/2011
00B8	7/2/2011	FI 7002	7/6/2011
0011	7/2/2011	FI 7002	7/6/2011

Table A. Leak Surveys Performed With Instruments Lacking Proper Calibration Records

To mitigate recurrence, Kern Division has removed all Flame Ionization Packs from service and has replaced them with a daily self-tested DPIR. Furthermore, instrument calibrations are now being

Definitions:

tracked in the SAP work management system to improve visibility and timeliness of required calibrations.

#### ATTACHMENTS

Attachment #	Title or Subject		
1	CP Maintenance Record – CPA 157115-B		
2	CP Maintenance Record – CPA 1574-20		
3	Refresher Briefing – Corrosion Control		
4	CP Maintenance Record – CPA L-312		
5	CP Maintenance Record – CPA 4760-03		
6	Refresher Briefing – Locate and Mark		
7	Refresher Briefing – CGI Calibration		
8	Leak Survey Instrument Calibrations - FI 1500818003 #1		
	and FI 7002		

#### **ACTION REQUIRED**

Action To Be Taken	Due Date	Responsible Dept.
Develop action plan to specify pressure rating of valves.	May 31, 2014	Gas T&D Operations
Verify changes to rectifiers KC87, 168, and KC- 13 via records and field inspections and make appropriate corrections to Pole Mount/Pedestal Mount Rectifier Test and Site Evaluation Forms	May 16, 2014	Kern Division M&C Corrosion

#### **INSPECTION INFORMATION**

Inspection Dates	Finding	<b>CPUC Contact</b>	<b>CPUC Phone #</b>
October 14 - 18, 2013	AOC – 1	Willard Lam	(415) 703-1327

#### **INSPECTION FINDING**

CPUC Finding	<ol> <li>During a review of the Division's valve records, SED observed the following instances of conflicting or incongruous data in Table 11:</li> <li>Table 11: Valve Records</li> </ol>					
	Valve	Location	Observation			
	В	Redacted	Valve pressure rating listed as 7403 psig			
	Z-110	Redacted	Valve location drawing lists 2" but the Valve Maintenance Record Form lists 3"			
	Z-154	Redacted	Valve location drawing lists 2" but the Valve Maintenance Record Form lists 4"			
	Z-102	Redacted	Valve location drawing lists 4" but the Valve Maintenance Record Form lists 2"			
	Z-098	Redacted	Valve location drawing lists 3" but the Valve Maintenance Record Form lists 2"			
	-	ovide SED with an update on cting or incongruous data.	the follow-up actions the Division will take to clarify			

#### **PG&E RESPONSE**

PG&E has updated the valve maintenance records and valve location drawings for the valves listed in Table 11 to reflect correct and consistent data (See Attachment 9).

#### **ATTACHMENTS**

Attachment #	Title or Subject	
9	Valve Maintenance Records and Valve Location	
	Drawings	

#### **ACTION REQUIRED**

Action To Be Taken	Due Date	Responsible Dept.
N/A		