

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



Jan 23, 2009

Mr. Kevin J. Dasso, Senior Director  
Engineering and Planning  
Pacific Gas and Electric Company  
123 Mission Street  
Mail Code H15B  
San Francisco, CA 94105

CPUC File No. EA2008-31

**SUBJECT:** General Order 95, 128, and 165 Audit of PG&E's East Bay Division, North Districts

Dear Mr. Dasso

On behalf of the Utility Safety and Reliability Branch of the California Public Utilities commission, Terence Eng and I conducted a General Order (GO) 95, 128, and 165 Inspection of PG&E's East Bay Division, North Districts from Nov 3 - 7, 2008. The audit included a review of your records for the period 2006, 2007, and 2008 (Partial).

During the audit, we identified violations of one or more General Orders. A copy of the inspection summary itemizing the violations is enclosed. Please advise me of all corrective measures taken by the utility regarding the above violation(s). Please provide the electronic or hard copy records showing the correction date for each violation.

If you have any questions, please contact me at (415) 703-1555.

Sincerely,

A handwritten signature in black ink, appearing to read "George E. Carter".

George E. Carter  
Utilities Engineer  
Utilities Safety and Reliability Branch  
Consumer Protection and Safety Division

Enclosure: Audit Summary (8 Pgs)

CC:

Ms. Holly Meyer-Zebzda – Pacific Gas and Electric Company

## Audit Summary

### 1.1 GO 165 Record Review

#### **General Order No. 165, INSPECTION CYCLES FOR ELECTRIC DISTRIBUTION FACILITIES**

Paragraph IV. states:

*"Each utility subject to this General Order shall conduct inspections of its distribution facilities as necessary to assure reliable, high quality, and safe operation, but in no case may the period between inspections (measured in years) exceed the time specified in the attached table."*

Review of PG&E's East Bay Division, North District, five (5) year matrix for Patrol and Inspections leads one to the conclusion that PG&E's East Bay Division has a systematic inspection plan in place. We did not find any non-compliance with General Order No. 165.

### 2.1 GO 95 Inspection Field Notes

#### 2.1.1 Inspection of New Overhead Service Construction

This Field Inspection was conducted on Nov 6, 2008;  
**see attached GO 95 & 128 Inspection Field Sheet.**

#### 2.1.2 Inspections of Existing Pole Facilities

This Field Inspection was conducted on Nov 5 & 6, 2008;  
**see attached GO 95 Inspection Field Sheets.**

### 3.1 GO 128 Inspection Field Notes

#### 3.1.1 Inspection of New Underground Service Construction

This Field Inspection was conducted on Nov 6, 2008;  
**see attached GO 95 & 128 Inspection Field Sheets.**

#### 3.1.2 Inspection of Existing Underground Facilities

This Field Inspection was conducted on Nov 5 & 6, 2008;  
**see attached GO 128 Inspection Field Sheets.**

### 4.1 Recommendations

4.1.1. The record keeping process that is being used when PG&E is trying to capture information for the development of EPCM Tags for storm related damage is incomplete and does not provide an auditable trail. I was told that the SAP database structure will not take multiple dates for the same storm event, therefore it was necessary to use default dates rather than actual dates, this needs to be fixed.

4.1.2. Presently EPCM hard copy records generated using SAP shows comment and completed statements with abbreviated employee names (for example DBK3), this appears to be some type of SAP accounting scheme. PG&E needs the first and last name of the person making the comment.

# C.P.U.C. G.O. 95 & 128 INSPECTION FIELD SHEET

File No.: EA2008-31

Inspection Team PUC: George Carter / Terence Eng  
 Names & Utility: PG&E: Clint Paxton, Mike Carlos, Jennifer Isaac

Inspection Date: Nov 6, 2008 County: Alameda	<b>Comments</b>		
Inspection Area: El Sobrante, Albany, El Cerrito, Richmond	Utility: PG&E	Utility: AT&T	Utility: Comcast
No.	Site or Infraction Location		

**New Jobs Completed 2007 & 2008  
 Site Visits to: 6**

1	3905 San Pablo Dam Rd El Sobrante, CA	PM Order Number: 30575661, 10/3/2007 Underground electrical upgrade. Work completed satisfactory 12/13/2007	
2	135 Santa FE Ave Richmond, CA	PM Order Number: 30592763, 4/04/2008 Overhead, reconnect svc at weatherhead. Work completed satisfactory	
3	1619 Ohio Ave Richmond, CA	PM Order Number 30552721, 8/02/2007 Overhead, electric upgrade. Work completed satisfactory 11/15/2007	
4	11940 San Pablo Ave El Cerrito, CA	PM Order Number 30587382, 3/21/2008 Installation of new PM for T-8512. Work completed satisfactory	
5	918 Galvin Dr El Cerrito, CA	PM Order Number 30502880, 1/19/2008 Underground, new service installation. Work completed satisfactory 5/29/2008	
6	747 San Pablo Ave Albany, CA	PM Order Number 30567981, 4/05/2008 Underground electrical upgrade. Work completed satisfactory 7/11/2008	

# C.P.U.C. G.O. 95 INSPECTION FIELD SHEET

File No.: EA2008-31

Inspection Team PUC: George Carter / Terence Eng  
 Names & Utility: PG&E: Clint Paxton, Mike, Rodney, Jennifer Isaac

Inspection Date: Nov 5, 2008 County: Alameda	<b>Comments</b>		
Inspection Area: Berkeley, Richmond Pole No. Pole or Infraction Location	Utility: PG&E	Utility: AT&T	Utility: Comcast

**Overhead - GO 95  
 PlatMaps Reviewed**

		<b>PlatMap Number: T-4-15</b>	
1	2300 California St Berkeley, CA	EPCM # 103127010, 6/04/2008 Rem 2W Serv Inst 3W 240V Serv Set Meter. Work completed satisfactory 6/04/2008	
		<b>PlatMap Number: E0418</b>	
1	816 Alliston Way Berkeley, CA	EPCM # 102537085, 7/18/2007 Idel Service Wire Crossing 6 <sup>th</sup> Street – Busy Street – Remove Srv Will Require 3 Man Crew Due To Traffic. Work completed satisfactory 9/03/2008	
		<b>PlatMap Number: E0407</b>	
1	1425 4 <sup>th</sup> St Berkeley, CA	EPCM # 1025423152, 2/13/2007 Repl Leaking 300 KVA 12 KV 277-480 V Conv 3 Phase Tfx Leaking From Primary. Sec Bushing Repl ASAP. Work completed satisfactory 7/09/2008	
		<b>PlatMap Number: C-3-25</b>	
1	825 Humbolt Ave Richmond, CA	EPCM # 103101147, 6/10/2008 Replace Tfr and Pri X-arm. Work completed satisfactory 6/10/2008	

File No.: EA2008-31

Inspection Team PUC: George Carter / Terence Eng  
Names & Utility: PG&E Clint Paxton, Mike  
Rodney, Jennifer Isaac

Inspection  
Date: Nov 5, 2008

County: Alameda

**Comments**

Inspection  
Area: Berkeley, Richmond  
Pole or Infracion Location

Utility: PG&E

Utility: AT&T

Utility: Comcast

**PlatMap Number: D0302**

1  
253 S 25<sup>th</sup> St  
Richmond, CA

EPCM # 103111298, 6/20/2008  
Replaced NG 10kva Power Tx in Open Delta  
Bank.  
Work completed satisfactory, 6/20/2008

Rule 12.2; 13; 31.1; 31.2: Overhead lines  
shall be maintained in good repair and in  
accordance with accepted good practice.  
**Installed riser was not correctly  
backfilled to grade.**

File No.: EA2008-31

Inspection Team PUC: George Carter / Terence Eng

Names & Utility: PG&E Clint Paxton, Mike Carlos, Jennifer Isaac

Inspection

Date: Nov 6, 2008

County: Alameda

Comments

Inspection Area: Berkeley, Richmond Pole or Infraction Location

Utility: PG&E

Utility: AT&T

Utility: Comcast

PlatMap Number: D-3-1

#9 13<sup>th</sup> St Richmond, CA

EPCM# 103212794, 8/21/2008 Pole Burned in Two at Hanger X-arm of 3 Pot Bank Inst Pole Top X XT 2-15kva Transf. Work completed satisfactory 6/20/2008

PlatMap Number: C-4-9

2918 De Anza St Richmond, CA

EPCM# 103126265, 7/02/2008 Crew Had to Replace 25kva Tx and Add Part 44 C/O on Arm. Work completed satisfactory 7/02/2008

# C.P.U.C. G.O. 128 INSPECTION FIELD SHEET

File No.: EA2008-31

Inspection Team PUC: George Carter / Terence Eng  
 Names & Utility: PG&E: Clint Paxton, Mike, Rodney, Jennifer Isaac

Inspection Date: Nov 5, 2008

County: Alameda

Inspection Area: Berkeley, Richmond

PM or SSEE No. / SSEE or Infraction Location

## Comments

Utility: PG&E

Utility: AT&T

Utility: Comcast

## Underground – GO 128 PlatMaps Reviewed

PM or SSEE No.	Inspection Area	Utility	Comments
			<b>PlatMap Number: E04070</b>
1	SSEE, T-7995 1440 4 <sup>th</sup> St Berkeley, CA	PG&E	EPCM# 103291886 1/08/2008 Storm Damage, NG Conn on Transformer. Water Had Got into Sec Spade. Work completed satisfactory 1/08/2008  Rule 12.2: System shall be maintained in such conditions as to secure safety to workman and the public in general. <b>Lid cover hole needed to be plugged, condition fixed during the audit.</b>
			<b>PlatMap Number: D0311</b>
1	PM, T-7914 1540 Marina Way Richmond, CA	PG&E	EPCM# 103187379, 8/8/2008 Replace T7914, a 300kva PM Tx with a 750kva PM Tx. Due to an Overload Condition. Work completed satisfactory 8/21/2008
			<b>PlatMap Number: C0224</b>
1	PM, T-2201 121 W McDonald Ave Richmond, CA	PG&E	EPCM# 103188575, 8/11/2008 Replaced Damaged 100kva PM Tx with 100kva PM Tx. <b>EPCM verbiage is wrong, the damaged transformer was welded repaired not replaced. Need a new EPCM or a PM Order to replace this transformer because of the poor material condition.</b>
2	PM, T-2200 W Nevin Ave in Complex Richmond, CA	PG&E	EPCM# 103000041, 4/26/2008 Clam Shell Trans Severely Corroded & Needs to be Replaced. <b>Reassessed Tag dated 9/4/2008 for a reassessment date of 8/05/2010 is unacceptable replace now along with PM T-2201.</b>



File No.: EA2008-31

Inspection Team PUC: George Carter / Terence Eng  
 Names & Utility: PG&E: Clint Paxton, Mike, Carlos, Jennifer Isaac

Inspection

Date: Nov 6, 2008

County: Alameda

Inspection		Comments	
Area: Berkeley, Richmond, Hercules		Utility: PG&E	Utility: AT&T
PM or SSEE No.	PM / SSEE or Infraction Location	Utility: PG&E	Utility: Comcast
<b>Underground – GO 128</b>			
<b>PlatMaps Reviewed</b>			
		<b>PlatMap Number: C0409</b>	
1	PM, T-2000 4955 Santa Rita Ave Richmond, CA	EPCM# 103269703, 9/08/2008 Padmount Tx (Low Profile) Covered in Ivy. Cut & Remove. Work completed satisfactory 9/08/2008	
2	PM, T-7801 2830 May Rd Richmond, CA	EPCM# 103269656, 9/08/2008 Made Repairs to Hindge in Tx (Someone tried to break-into transformer, fixed opening mechanism.). Painted Graffiti & Re-tagged Padmount Tx. Work completed satisfactory 9/08/2008	
		<b>PlatMap Number: B05130</b>	
1	SSEE, T-2801 103 Olive Ct Hercules, CA	EPCM# 102808820, 1/06/2008 Storm Damage. Replace T-2801 50kva S.S.6. 900/120/240V. Work completed satisfactory 1/06/2008	
2	Splice Box 103 Oliver Ct Hercules, CA	Random Selection Condition Satisfactory	
		<b>PlatMap Number: C0415</b>	
1	SSEE, T-6076 End/O/S 27 <sup>th</sup> St (Safeway) Richmond, CA	EPCM# 103001245, 9/7/20-08 Perf NG 25kva SS Tx with Same. Work Completed satisfactory 9/08/2008	
		<b>PlatMap Number: C0308</b>	
1	PM, T-2291 2555 El Portal Dr San Pablo, CA	EPCM# 103101664, 6/13/2008 Replace Failed 300kva PM Tx. Work completed satisfactory 6/28/2008	



