



Redacted
Manager
Transmission Compliance

Redacted

July 12, 2013

Raymond Fugere, P.E.
Program and Project Supervisor
Electric Safety and Reliability Branch
Safety and Enforcement Division

SUBJECT: PG&E's Response to the June 3, 2013 ESRB Report Concerning
The April 8-11, 2013 Audit of PG&E's Pismo Beach Area Electric Transmission Facilities

Dear Mr. Fugere:

This letter is in response to your June 3, 2013 report of the Electric Safety and Reliability Branch (ESRB) April 8-11, 2013 audit of Pacific Gas & Electric Company's (PG&E) transmission facilities in the Pismo Beach Area. The audit included a review of PG&E's maintenance records and inspections of PG&E's transmission facilities.

During the audit, the CPUC identified one programmatic concern (General Order 165) and two field conditions (General Order 95 (Rule 31.1 and Rule 56.9)). PG&E provides its responses to the audit report in Attachment A to this letter.

Please contact me at 415-973-7356 if you have any questions regarding this response.

Sincerely,

Redacted

Manager, Transmission Compliance

Cc: Raymond Fugere, Program and Project Supervisor, CPUC ESRB
Ben Brinkman, Senior Utilities Engineer, CPUC ESRB



Attachment A

Programmatic Violations

GO 165, Section IV, Transmission Facilities, states:

“Each utility shall prepare and follow procedures for conducting inspections and maintenance activities for transmission lines.

Each utility shall maintain records of inspection and maintenance activities. Commission staff shall be permitted to inspect records and procedures consistent with Public Utilities Code Section 314 (a).”

PG&E’s 2009 “Transmission Owner Maintenance Practices,” section 4.2.1 “Circuit Inspections”, states, in part:

The QCR’s primary responsibility in a circuit inspection is to examine and record the specific abnormal condition(s) of the overhead facilities inspected. This inspection requires a detailed evaluation (e.g., visual observation; use of measuring devices, tools, or routine diagnostic tests) to determine if there are any abnormal conditions and to evaluate when each identified abnormal condition warrants maintenance. A circuit inspection requires the ability to view all sides of the facilities and may require, if triggered, a follow-up inspection.

Table 4-1 of PG&E’s inspection practices document requires that 70 KV overhead structures undergo a detailed inspection every 5 years.

During the September 27, 2012 detailed inspection of the Atascaderos-Cayucas circuit, PG&E failed to inspect Structure 6/57 due to excessive vegetation. ESRB notes that during the audit PG&E created a notification (#106864881) cleared the vegetation and inspected the facility.

Violation	CPUC Observation Date	Date of Repair	Notification #	CPUC Citation Reference
Atascadero - Cayucas 70 kV Tower 6/57 Tower Inspection missed due to excessive vegetation	4/9/2013	4/11/2013	106864881	G.O. 165 Section IV

PG&E’s Response:

PG&E created an LC notification and had the Vegetation Department respond to clear a path for the PG&E inspector to obtain access to location 6/57. PG&E’s inspector then went back and completed the detailed inspection at this location; no maintenance items were found. Documentation of all completed work is attached as Attachment 1.

PG&E’s Transmission Line Maintenance organization (T-Line) conducted a tailboard covering



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PG&E's expectations for any inaccessible equipment (including instances of vegetation coverage) along with required supervisory review and inspector communications related to our ETPM Manual. See Attachment 2 for a copy of the tailboard.

T-Line has also now incorporated the topic of inaccessible facilities during inspections into its annual Electric Transmission Preventive Maintenance (ETPM) Manual update refresher training to help ensure that all applicable staff members in all headquarters understand what needs to be done when inaccessible locations are identified.



Field Violations

1.	Structure ID / Location:	Templeton-Atascadero, Structure 7/125
	Previous PG&E Visit (Air Patrol):	August 23, 2012
	Date of CPUC Inspection:	April 10, 2013
Explanation of Violation(s):		
<u>Damaged Visibility Strip</u>		
<p>GO 95, Rule 31.1, Design, Construction and Maintenance, states in part:</p> <p style="text-align: center;"><i>Electrical supply and communication systems shall be of suitable design and construction for their intended use, regard being given to the conditions under which they are to be supported, and shall be maintained in a condition which will enable the furnishing of safe, proper and adequate service.</i></p> <p>A damaged visibility strip was attached to Structure 7/125.</p>		

PG&E's Response:

The PG&E Inspector responded and replaced the damaged visibility strip at pole 7/125. Documentation of all completed work is attached as Attachment 1.

Violation	CPUC Observation Date	Date of Repair	Notification #	CPUC Citation Reference
Templeton - Atascadero 70 kV Structure 7/125 Damaged Visibility Strip	4/10/2013	4/11/2013	106874162	G.O. 195 Rule 31.1



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2.	Structure ID / Location:	Divide-Cabrillo #1, Structure 0/9
	Previous PG&E Visit (Air Patrol):	February 27, 2012
	Date of CPUC Inspection:	April 11, 2013
Explanation of Violation(s):		
<u>Damaged Guy Guard</u>		
GO 95, Rule 31.1, Design, Construction and Maintenance, states in part: <i>Electrical supply and communication systems shall be of suitable design and construction for their intended use, regard being given to the conditions under which they are to be supported, and shall be maintained in a condition which will enable the furnishing of safe, proper and adequate service.</i>		
GO 95, Rule 56.9 "Guy Marker (Guy Guard)" states: <i>"A substantial marker of suitable material, including but not limited to metal or plastic, not less than 8 feet in length, shall be securely attached to all anchor guys. Where more than one guy is attached to an anchor rod, only the outermost guy is required to have a marker."</i>		
A damaged guy guard was attached to Structure 0/9.		

Violation	CPUC Observation Date	Date of Repair	Notification #	CPUC Citation Reference
Divide - Cabrillo #1 Structure 0/9 Damaged Guy Guard	4/11/2013	4/11/2013	106979071	G.O. 195 Rule 31.1

PG&E's Response:

The PG&E Inspector responded and replaced the damaged Guy Guard at pole 0/9. Documentation of all completed work is attached as Attachment 1.

Order 41620895 PATR/INSP 70006 ATASCADERO-CAYUCOS
 Order type T180 EL TRANS EXPENSE RECURRING
 Status REL DSEX NMAT PRC SETC
 User Status UNSC
 Start date 08/31/2012
 End date 09/30/2012
 FunctLocation ETL 8480 . POLE . WOOD 70006 ATASCADERO-CAYUCOS-WOOD POLE
 Equipment 40588561 003/029 SINGLE WOOD POLE
 MaintPlanGroup TLP ECES
 MainWrkCenter PISMOBCH ECES Pismo Beach
 Priority E E - Schd Compl Yr 0
 MaintenancePlan
 MaintPlanItem
 Revision No.

Partner
 Address
 Phone

Redacted

Class ETLQEP Electric Transmission Line Equipment 002
 ETL_ACCESSIBILITY MEDIUM EQP(AERIAL LIFT;LINE TR
 ETL_FRAMINGCONFIG DOUBLE DEAD END
 LATITUDE 35.464367000000
 LONGITUDE -120.719900000000
 Class ETL_POLE ETL - POLE 002
 ETL_ACCESSIBILITY MEDIUM EQP(AERIAL LIFT;LINE TR
 ETL_FRAMINGCONFIG DOUBLE DEAD END
 LATITUDE 35.464367000000
 LONGITUDE -120.719900000000
 Operation 0004 Transmission OH Detailed Inspection
 Work center ET_TMAN1 ECES ELECTRIC TROUBLEMAN TRANSMISSION

Control key INDT CompConf No. 16368948
 Operation key ETL03 Milestone
 Work 12 MIN Activity type MO
 Duration 30 DAY Number 1
 EarlStartDate 08/31/2012 Start time 00:00:00
 LateEndDate 09/30/2012 End time 00:00:00
 Actual work 0 MIN Total buffer 0 MIN

OSMOSE FUME 2007
 2012 NEW POLE #5
 LINE BUILT 1954

CONFIRMED Teco 10-4-2012
 SUPV REV/SCH Pete Dominguez OCT. 03 2012
 HOT ITEMS SCH 23
 NOTIF JA 10-17-2012
 STRUCTURES JA 10-16-2012
 FILE JA

Transmission Line Objec. List

Page 9

Inspector Name : REYES

Date Inspected : 9/26/12

Funct Loc : ETL.8480.POLE.WOOD 70006 ATASCADERO-CAYUCOS-WOOD POLE Medium Impact
 Order : 41620895 PATR/INSP 70006 ATASCADERO-CAYUCOS Detailed Ground Inspections

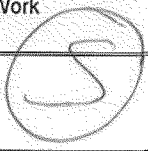
Desc of Tech ID Equip # Framing Config Access: HOST Tech ID/Equip #: Lat: Long:	Inspection Result	Attachments # Attachment Type/Owner Listed
006/057 SINGLE WOOD POLE <i>4/11/13 RR</i> 40820813 ANGLE 0-30 DEGREES MEDIUM EQP(AERIAL LIFT;LINE TR 35.461250000000 -120.7815170000	<input checked="" type="checkbox"/> completed/no problems <input type="checkbox"/> completed/new finding(s) <input type="checkbox"/> pre-existing cond chkd <input checked="" type="checkbox"/> not inspctd this patrol Notes: BRIDGE BOND <i>VEGETATION CLEARING COMPLETED OVER GROWN ON 4/10/13 INSPECTION COMPLETED ON 4/11/13</i>	Total # of Attachments: 1 DIST-0310456 1
006/058 SINGLE WOOD POLE 40819611 WOOD X ARM MEDIUM EQP(AERIAL LIFT;LINE TR 35.460967000000 -120.7821670000	<input checked="" type="checkbox"/> completed/no problems <input type="checkbox"/> completed/new finding(s) <input type="checkbox"/> pre-existing cond chkd <input checked="" type="checkbox"/> not inspctd this patrol Notes: FOOT BRIDGE BOND <i>OVER GROWN</i>	Total # of Attachments: 1 DIST-0310456 1
006/059 SINGLE WOOD POLE <i>6/8</i> 40872891 WOOD X ARM MEDIUM EQP(AERIAL LIFT;LINE TR 35.460167000000 -120.7842830000	<input checked="" type="checkbox"/> completed/no problems <input type="checkbox"/> completed/new finding(s) <input type="checkbox"/> pre-existing cond chkd <input checked="" type="checkbox"/> not inspctd this patrol Notes: ROAD OVER GROWN ROAD ENDS BRIDGE BOND	Total # of Attachments: 1 DIST-0310456 1
007/060A SINGLE WOOD POLE <i>7/0</i> 40602367 3 POLE DOUBLE VERTICAL MEDIUM EQP(AERIAL LIFT;LINE TR 35.459400000000 -120.0000000000	<input checked="" type="checkbox"/> completed/no problems <input type="checkbox"/> completed/new finding(s) <input type="checkbox"/> pre-existing cond chkd <input checked="" type="checkbox"/> not inspctd this patrol Notes: NON-CERAMIC INSUL	Total # of Attachments: 1 DIST-0310456 1
007/060B SINGLE WOOD POLE 42571420 3 POLE DOUBLE VERTICAL MEDIUM EQP(AERIAL LIFT;LINE TR 35.459400000000 -120.0000000000	<input checked="" type="checkbox"/> completed/no problems <input type="checkbox"/> completed/new finding(s) <input type="checkbox"/> pre-existing cond chkd <input checked="" type="checkbox"/> not inspctd this patrol Notes: NON-CERAMIC INSUL	Total # of Attachments:
007/060C SINGLE WOOD POLE 42571421 3 POLE DOUBLE VERTICAL MEDIUM EQP(AERIAL LIFT;LINE TR 35.459400000000 -120.0000000000	<input checked="" type="checkbox"/> completed/no problems <input type="checkbox"/> completed/new finding(s) <input type="checkbox"/> pre-existing cond chkd <input checked="" type="checkbox"/> not inspctd this patrol Notes: NON-CERAMIC INSUL	Total # of Attachments:
007/061A SINGLE WOOD POLE <i>7/1</i> 40593189 3 POLE TRAMP DOUBLE DEAD END MEDIUM EQP(AERIAL LIFT;LINE TR 35.457150000000 -120.7916000000	<input type="checkbox"/> completed/no problems <input checked="" type="checkbox"/> completed/new finding(s) <input type="checkbox"/> pre-existing cond chkd <input checked="" type="checkbox"/> not inspctd this patrol Notes: NON-CERAMIC INSUL <i>1 SPlice Comp.</i>	Total # of Attachments: <i>0915</i> <i>T = 46° 70°</i> <i>100' W/O</i>
007/061B SINGLE WOOD POLE 42571422 3 POLE TRAMP DOUBLE DEAD END MEDIUM EQP(AERIAL LIFT;LINE TR 35.457150000000 -120.7916000000	<input type="checkbox"/> completed/no problems <input checked="" type="checkbox"/> completed/new finding(s) <input type="checkbox"/> pre-existing cond chkd <input checked="" type="checkbox"/> not inspctd this patrol Notes: NON-CERAMIC INSUL <i>1 SPlice Comp.</i>	Total # of Attachments:



TD-1001M-F02
Corrective Work Form
Electric Transmission
Line

PROBLEM DESCRIPTION (short text – 40 characters maximum) Line Name, Structure #, Work Description. For Repair Report see page 2

ATASCADERO – CAYUCOS 70KV STRUCT. # 6/57
 REMOVE OVERGROWN BRUSH FOR ACCESS



INFORMATION REQUIRED BY QCR | INFORMATION COMPLETED BY FLS | INFO REQUIRED BY QCR UPON COMPLETION

LC NOTIFICATION **PRIORITY CHOICES:** A B E F
 A = IMMEDIATE SAFETY RESPONSE B = URGENT COMPLIANCE
 E = SCHEDULE COMPLETED YEAR 0 F = SCHEDULE COMPLETED YEAR 1+

Created Notification #
 106864881

CD NOTIFICATION **PRIORITY CHOICES:** A B E F
 A = IMMEDIATE SAFETY RESPONSE B = URGENT COMPLIANCE
 E = SCHEDULE COMPLETED YEAR 0 F = SCHEDULE COMPLETED YEAR 1+

Created Notification #

USER STATUSES

<input checked="" type="checkbox"/> LIGHT EQUIPMENT ACCESS - ACCL	<input type="checkbox"/> CLEARANCE REQUIRED - CLR	<input checked="" type="checkbox"/> Expense - EXP	<input type="checkbox"/>
<input type="checkbox"/> MEDIUM EQUIPMENT ACCESS - ACCM	<input type="checkbox"/> Inspection - INSP	<input type="checkbox"/> Capital - CAP	<input type="checkbox"/>
<input type="checkbox"/> HEAVY EQUIPMENT ACCESS - ACCH	<input checked="" type="checkbox"/> PATROL - PATR	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FOOT ACCESS ONLY - ACCF	<input type="checkbox"/> NOMINATION - NOMN	<input type="checkbox"/>	<input type="checkbox"/>

REFERENCE INFO

FUNCTIONAL LOCATION(LINE NAME) ATASCADERO-CAYUCOS	CREW CLASS (SIZE): ET_OHM_5	WORK TYPE CODE:
SAP EQUIPMENT #: 40820813	CREW CLASS (SIZE):	630 - ICW-MAINT WOC
ETL#: 8480	EST TOTAL LABOR-HOURS TO COMPLETE (labor-hours = Crew Size x Hours to Complete – no travel time): 5X9	
PLANNER GROUP: TLV	45	

EXECUTION

REQUIRED END DATE: 7/30/31	MAIN WORK CENTER (HEADQUARTER): PISMOSBCH	VOLTAGE: <input type="checkbox"/> 60kV <input checked="" type="checkbox"/> 70 kV <input type="checkbox"/> 115 kV <input type="checkbox"/> 230 kV <input type="checkbox"/> 500kV
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LOCATION DATA (OPTIONAL INFORMATION)

STREET ADDRESS: E/O 2532 TORROCRK. RD.	CITY: ATASCADERO	ZIP (if known):
DIVISION CODE (LOCATION): CC – CENTRAL COAST	COUNTY CODE (PLANT SECTION): 40	

COMPLETION DATES

REPORTED BY (Name and LAN ID): RICK RYES R1R2	DATE FOUND (NOTIF DATE): 9/26/13
------------------------------------------------------	-----------------------------------------

COMMENTS (LONG TEXT): Describe the work required and the equipment and materials needed (e.g., area, access, special tools, road map, X St, GPS Coord; more detailed description of work required).

REMOVE OVERGROWN BRUSH AND VEGETATION IN ROW TO ACCESS STRUCTURES
 1200 FT

DAILY WORK
 UNITS
 ACCOUNT
 CLOSED

Completed by (Name and LAN ID): Redacted	Date: 4-10-13	Actual Labor-Hours:
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Reviewed by (Name and LAN ID): Redacted	Date: APR 09 2013	PM # 41878677/0200
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REPAIR REPORT

OBJECT CODE					
Anchor/Guy		Towers (Steel)	Poles (wood/steel)		
<input type="checkbox"/> Hardware – Guy (AG05)		<input type="checkbox"/> Leg Member (SS01)	<input type="checkbox"/> Pole (SW01)		
<input type="checkbox"/> Anchor (AG10)		<input type="checkbox"/> Non-leg Member (SS03)	<input type="checkbox"/> Wood Arm (SW04)		
<input type="checkbox"/> Guy (AG06)		<input type="checkbox"/> Bolts (SS09)	<input type="checkbox"/> Steel Arm (SW05)		
Conductor/Fittings		<input type="checkbox"/> Steps/Ladder (SS10)	<input type="checkbox"/> Bonding (SW07)		
<input type="checkbox"/> Conductor (CF03)		<input type="checkbox"/> Anti-Climbing Guard (SS13)	<input type="checkbox"/> Molding (SW14)		
<input type="checkbox"/> Damper (CF07)		<input type="checkbox"/> Bird Guard (SS15)	Marking		
<input type="checkbox"/> Connector (CF10)		Foundations		<input type="checkbox"/> Aviation Ball (MA04)	
<input type="checkbox"/> Splice (CF14)		<input type="checkbox"/> Earth Footing (FO01)	<input type="checkbox"/> Lighting (MA05)		
<input type="checkbox"/> Spacer (CF08)		<input type="checkbox"/> Concrete Footing (FO02)	<input type="checkbox"/> Structure Marker (MA01)		
<input type="checkbox"/> Jumper (CF17)		<input type="checkbox"/> Grade Beam (FO07)	<input type="checkbox"/> Aerial Marker (MA10)		
<input type="checkbox"/> Shieldwire / OPGW (CF16)		<input type="checkbox"/> Stub Angle (FO08)	Right-of-Way		
<input type="checkbox"/> Groundwire (CF04)		<input type="checkbox"/> Anchor Bolts (FO09)	<input type="checkbox"/> Right-of-Way (RW01)		
Insulator/Hardware		<input type="checkbox"/> Grdwire Connection (FO04)	<input type="checkbox"/> Gate/Fence (RW02)		
<input type="checkbox"/> Hardware – DE (IH01)		Switches/Hardware		<input type="checkbox"/> Boardwalk (RW04)	
<input type="checkbox"/> Hardware – Susp. (IH02)		<input type="checkbox"/> Contact / Attachments (SH01)	<input checked="" type="checkbox"/> Road, Culvert, etc. (RW03)		
<input type="checkbox"/> Insul. – Post (IH03)		<input type="checkbox"/> Equipment (SH04)	Electrical Clearance		
<input type="checkbox"/> Insul – Pin (IH04)		<input type="checkbox"/> Operating Assembly (SH14)	<input type="checkbox"/> Tree (EC01)		
<input type="checkbox"/> Insul. – Bell (IH05)		<input type="checkbox"/> Platform (SH10)	<input type="checkbox"/> Ground (EC02)		
<input type="checkbox"/> NCI – Post (IH06)		Other		<input type="checkbox"/> Structure (EC07)	
<input type="checkbox"/> NCI – DE/Susp. (IH07)		<input type="checkbox"/> Other (Describe) (IH10)	<input type="checkbox"/> Underbuild / Xing (EC06)		
<input type="checkbox"/> Grading Rings (IH09)			<input type="checkbox"/> RAW Encroachment (EC04)		
CONDITION FOUND (SAP – Damage Code)		CAUSE CODE		ACTION	
Deterioration	Mechanical	<input type="checkbox"/> Animal (ANIM)	Required	Taken	
<input type="checkbox"/> Rusted (CH05)	<input type="checkbox"/> Bird Caged (MC13)	<input type="checkbox"/> Bird (BIRD)	<input type="checkbox"/>	Adjust	<input type="checkbox"/>
<input type="checkbox"/> Rotted (CH07)	<input type="checkbox"/> Broken (MC02)	<input type="checkbox"/> Fire (FIRE)	<input type="checkbox"/>	Clean	<input type="checkbox"/>
<input type="checkbox"/> Worn/Aged (CH08)	<input type="checkbox"/> Buckled/Bent (MC03)	<input type="checkbox"/> Third-party (3RDP)	<input type="checkbox"/>	Install	<input type="checkbox"/>
<input type="checkbox"/> Corroded (CH03)	<input type="checkbox"/> Cracked (MC01)	<input type="checkbox"/> Lightning (LITN)	<input type="checkbox"/>	Locate	<input type="checkbox"/>
<input type="checkbox"/> Not Sealed (CH02)	<input type="checkbox"/> Loose (MC08)	<input type="checkbox"/> Tree Branch (TBRN)	<input type="checkbox"/>	Notify 3 rd Party	<input type="checkbox"/>
<input type="checkbox"/> Earth covered (CH14)	<input type="checkbox"/> Missing (MC15)	<input type="checkbox"/> Tree Contact (VEGE)	<input checked="" type="checkbox"/>	Remove	<input type="checkbox"/>
Electrical		<input type="checkbox"/> Tree Fell (TFLL)	<input type="checkbox"/>	Repair	<input type="checkbox"/>
<input type="checkbox"/> Burnt (EL09)	<input type="checkbox"/> Out of Plumb (MC18)	<input checked="" type="checkbox"/> Other (OTHR)	<input type="checkbox"/>	Replace	<input type="checkbox"/>
<input checked="" type="checkbox"/> Brush/Fuel (EL11)	<input type="checkbox"/> Split (MC23)		<input type="checkbox"/>	Stub	<input type="checkbox"/>
<input type="checkbox"/> Contamination (EL10)	<input type="checkbox"/> Twisted (MC09)		<input type="checkbox"/>	Test	<input type="checkbox"/>
<input type="checkbox"/> Clearance (ft/in) (EL08)	<input type="checkbox"/> Soil Movement (MC12)		<input type="checkbox"/>	Trim	<input type="checkbox"/>
<input type="checkbox"/> Hot/Heating (EL13)	<input type="checkbox"/> Grade Change (RAW) (EL03)		<input type="checkbox"/>	Other (Describe)	<input type="checkbox"/>
<input type="checkbox"/> Encroachment (EL14)	<input type="checkbox"/> Over tension (MC10)		<input type="checkbox"/>	Re-Assessed	<input type="checkbox"/>
<input type="checkbox"/> Flashed (EL05)	<input type="checkbox"/> Slack (MC17)		<input type="checkbox"/>	Patrolled Air	<input type="checkbox"/>
Other			<input type="checkbox"/>	Patrolled Ground	<input type="checkbox"/>
<input type="checkbox"/> Other (Describe) (CH10)	<input type="checkbox"/> Vibrating (MC26)		<input type="checkbox"/>	No Problem Found	<input type="checkbox"/>
			Quantity/Units:		
			1200 FT.		



TD-1001M-F02
Corrective Work Form
Electric Transmission
Line

PROBLEM DESCRIPTION (short text – 40 characters | Description. For Repair Report see page 2

(num) Line Name, Structure #, Work

TEMPLETON - ATASCADERO 70KV
 REPLACE BROKEN VISIBILITY STRIPS

STRUCT. # 7/125

5

INFORMATION REQUIRED BY QCR INFORMATION COMPLETED BY FLS INFO REQUIRED BY QCR UPON COMPLETION

<input checked="" type="checkbox"/> LC NOTIFICATION	PRIORITY CHOICES: <input type="checkbox"/> A <input checked="" type="checkbox"/> B <input type="checkbox"/> E <input type="checkbox"/> F	Created Notification #
	A = IMMEDIATE SAFETY RESPONSE B = URGENT COMPLIANCE E = SCHEDULE COMPLETED YEAR 0 F = SCHEDULE COMPLETED YEAR 1+	106874162

<input type="checkbox"/> CD NOTIFICATION	PRIORITY CHOICES: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> E <input type="checkbox"/> F	Created Notification #
	A = IMMEDIATE SAFETY RESPONSE B = URGENT COMPLIANCE E = SCHEDULE COMPLETED YEAR 0 F = SCHEDULE COMPLETED YEAR 1+	

USER STATUSES			
<input type="checkbox"/> LIGHT EQUIPMENT ACCESS - ACCL	<input type="checkbox"/> CLEARANCE REQUIRED - CLR	<input checked="" type="checkbox"/> Expense - EXP	<input type="checkbox"/>
<input type="checkbox"/> MEDIUM EQUIPMENT ACCESS - ACCM	<input checked="" type="checkbox"/> Inspection - INSP	<input type="checkbox"/> Capital - CAP	<input type="checkbox"/>
<input checked="" type="checkbox"/> HEAVY EQUIPMENT ACCESS - ACCH	<input type="checkbox"/> PATROL - PATR	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FOOT ACCESS ONLY - ACCF	<input type="checkbox"/> NOMINATION - NOMN	<input type="checkbox"/>	<input type="checkbox"/>

REFERENCE INFO			
FUNCTIONAL LOCATION(LINE NAME) TEMPLETON- ATASCADERO		CREW CLASS (SIZE): ET_OHM_1	WORK TYPE CODE:
SAP EQUIPMENT #: 40812313		CREW CLASS (SIZE):	630 - ICW-MAINT WOC
ETL#: 9410	EST TOTAL LABOR-HOURS TO COMPLETE (labor-hours = Crew Size x Hours to Complete – no travel time): 1X3		3
PLANNER GROUP: TLP - ET POLES			

EXECUTION		
REQUIRED END DATE: 4/30/13	MAIN WORK CENTER (HEADQUARTER): PISMOSBCH	VOLTAGE: <input type="checkbox"/> 60kV <input checked="" type="checkbox"/> 70 kV <input type="checkbox"/> 115 kV <input type="checkbox"/> 230 kV <input type="checkbox"/> 500kV

LOCATION DATA (OPTIONAL INFORMATION)		
STREET ADDRESS: PORTOLA RD.	CITY: ATASCADERO	ZIP (if known):
DIVISION CODE (LOCATION): CC – CENTRAL COAST	COUNTY CODE (PLANT SECTION): 40	

COMPLETION DATES	
REPORTED BY (Name and LAN ID): RICK RYES R1R2	DATE FOUND (NOTIF DATE): 4/11/13

COMMENTS (LONG TEXT): Describe the work required and the equipment and materials needed (e.g., area; access; special tools; road map, X St; GPS Coord; more detailed description of work required).

REPLACE BROKEN VISIBILITY STRIPS (2)
 MIDDLE LEVEL STRIP TORN FROM POLE

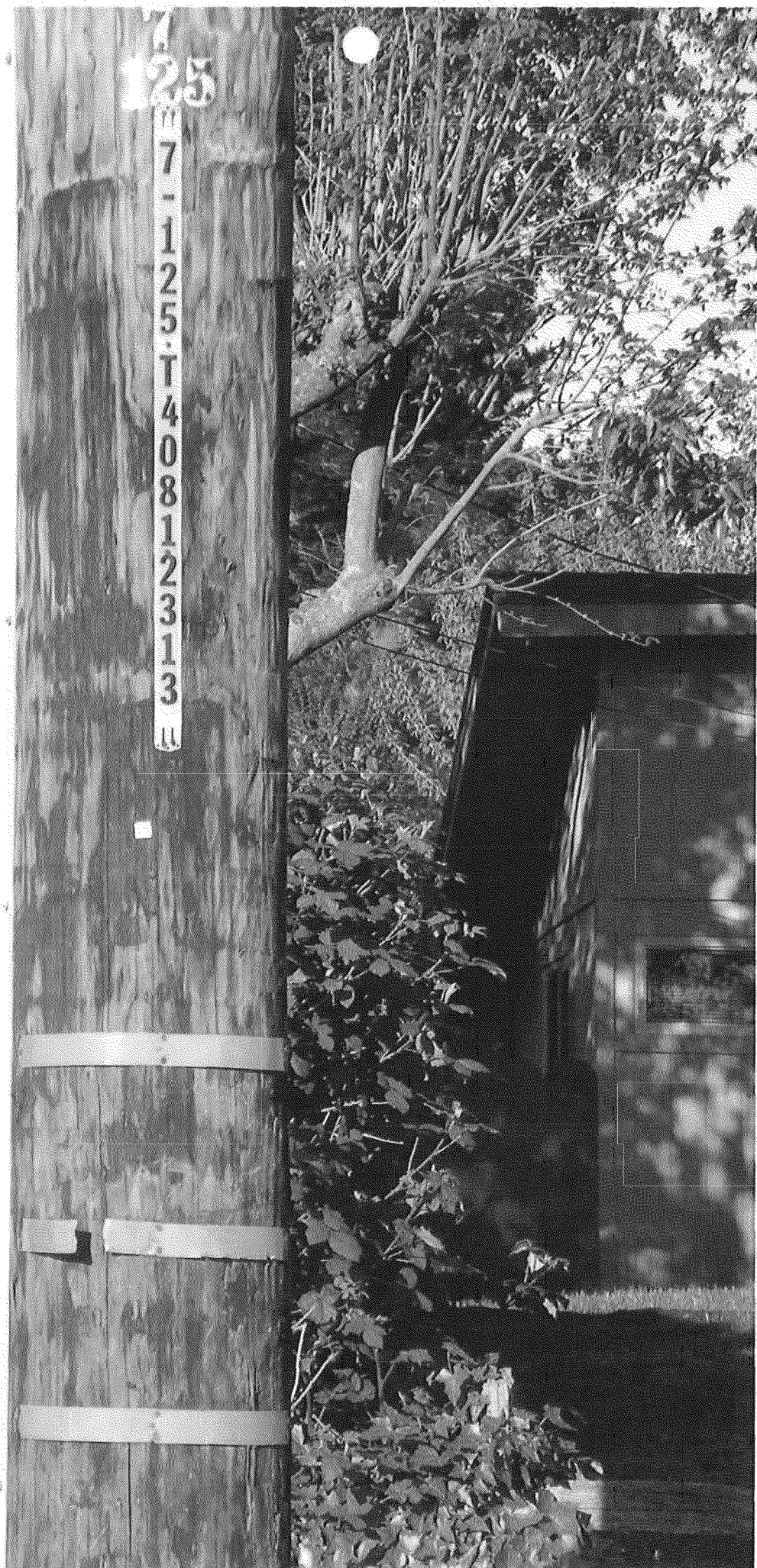
DAILY WORK SHEET

UNITS
 ACCOUNTING
 CLOSED

Completed by (Name and LAN ID): Redacted	Date: 4/11/13	Actual Labor-Hours: 3 hrs
Reviewed by (Name and LAN ID): Redacted	Date: APR 11 2013	PM # 41881316/0010

REPAIR REPORT

OBJECT CODE					
Anchor/Guy		Towers (Steel)	Poles (wood/steel)		
<input type="checkbox"/> Hardware – Guy (AG05)		<input type="checkbox"/> Leg Member (SS01)	<input type="checkbox"/> Pole (SW01)		
<input type="checkbox"/> Anchor (AG10)		<input type="checkbox"/> Non-leg Member (SS03)	<input type="checkbox"/> Wood Arm (SW04)		
<input type="checkbox"/> Guy (AG06)		<input type="checkbox"/> Bolts (SS09)	<input type="checkbox"/> Steel Arm (SW05)		
Conductor/Fittings		<input type="checkbox"/> Steps/Ladder (SS10)	<input type="checkbox"/> Bonding (SW07)		
<input type="checkbox"/> Conductor (CF03)		<input type="checkbox"/> Anti-Climbing Guard (SS13)	<input type="checkbox"/> Molding (SW14)		
<input type="checkbox"/> Damper (CF07)		<input type="checkbox"/> Bird Guard (SS15)	Marking		
<input type="checkbox"/> Connector (CF10)		Foundations		<input type="checkbox"/> Aviation Ball (MA04)	
<input type="checkbox"/> Splice (CF14)		<input type="checkbox"/> Earth Footing (FO01)	<input type="checkbox"/> Lighting (MA05)		
<input type="checkbox"/> Spacer (CF08)		<input type="checkbox"/> Concrete Footing (FO02)	<input checked="" type="checkbox"/> Structure Marker (MA01)		
<input type="checkbox"/> Jumper (CF17)		<input type="checkbox"/> Grade Beam (FO07)	<input type="checkbox"/> Aerial Marker (MA10)		
<input type="checkbox"/> Shieldwire / OPGW (CF16)		<input type="checkbox"/> Stub Angle (FO08)	Right-of-Way		
<input type="checkbox"/> Groundwire (CF04)		<input type="checkbox"/> Anchor Bolts (FO09)	<input type="checkbox"/> Right-of-Way (RW01)		
Insulator/Hardware		<input type="checkbox"/> Grdwire Connection (FO04)	<input type="checkbox"/> Gate/Fence (RW02)		
<input type="checkbox"/> Hardware – DE (IH01)		Switches/Hardware		<input type="checkbox"/> Boardwalk (RW04)	
<input type="checkbox"/> Hardware – Susp. (IH02)		<input type="checkbox"/> Contact / Attachments (SH01)	<input type="checkbox"/> Road, Culvert, etc. (RW03)		
<input type="checkbox"/> Insul. – Post (IH03)		<input type="checkbox"/> Equipment (SH04)	Electrical Clearance		
<input type="checkbox"/> Insul – Pin (IH04)		<input type="checkbox"/> Operating Assembly (SH14)	<input type="checkbox"/> Tree (EC01)		
<input type="checkbox"/> Insul. – Bell (IH05)		<input type="checkbox"/> Platform (SH10)	<input type="checkbox"/> Ground (EC02)		
<input type="checkbox"/> NCI – Post (IH06)		Other		<input type="checkbox"/> Structure (EC07)	
<input type="checkbox"/> NCI – DE/Susp. (IH07)		<input type="checkbox"/> Other (Describe) (IH10)	<input type="checkbox"/> Underbuild / Xing (EC06)		
<input type="checkbox"/> Grading Rings (IH09)			<input type="checkbox"/> RAW Encroachment (EC04)		
CONDITION FOUND (SAP – Damage Code)		CAUSE CODE		ACTION	
Deterioration	Mechanical			Required	Taken
<input type="checkbox"/> Rusted (CH05)	<input type="checkbox"/> Bird Caged (MC13)	<input type="checkbox"/> Animal (ANIM)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Rotted (CH07)	<input checked="" type="checkbox"/> Broken (MC02)	<input type="checkbox"/> Bird (BIRD)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Worn/Aged (CH08)	<input type="checkbox"/> Buckled/Bent (MC03)	<input type="checkbox"/> Fire (FIRE)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Corroded (CH03)	<input type="checkbox"/> Cracked (MC01)	<input type="checkbox"/> Third-party (3RDP)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Not Sealed (CH02)	<input type="checkbox"/> Loose (MC08)	<input type="checkbox"/> Lightning (LITN)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Earth covered (CH14)	<input type="checkbox"/> Missing (MC15)	<input type="checkbox"/> Tree Branch (TBRN)		<input type="checkbox"/>	<input type="checkbox"/>
Electrical		<input type="checkbox"/> Tree Contact (VEGE)		<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> Out of Adjustment (MC14)	<input type="checkbox"/> Tree Fell (TFLL)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Burnt (EL09)	<input type="checkbox"/> Out of Plumb (MC18)	<input checked="" type="checkbox"/> Other (OTHR)		<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Brush/Fuel (EL11)	<input type="checkbox"/> Split (MC23)			<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Contamination (EL10)	<input type="checkbox"/> Twisted (MC09)			<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Clearance (ft/in) (EL08)	<input type="checkbox"/> Soil Movement (MC12)			<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Hot/Heating (EL13)	<input type="checkbox"/> Grade Change (RAW) (EL03)			<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Encroachment (EL14)	<input type="checkbox"/> Over tension (MC10)			<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Flashed (EL05)	<input type="checkbox"/> Slack (MC17)			<input type="checkbox"/>	<input type="checkbox"/>
Other				<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> Leaning (MC20)			<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other (Describe) (CH10)	<input type="checkbox"/> Vibrating (MC26)			<input type="checkbox"/>	<input type="checkbox"/>
				Quantity/Units:	
				1	







TD-1001M-F02
Corrective Work Form
Electric Transmission
Line

PROBLEM DESCRIPTION (short text – 40 characters maximum) Line Name, Structure #, Work Description. For Repair Report see page 2

DIVIDE – CABRILLO #1 115KV STRUCT. # 0/9
 INSTALL GUY GUARD

INFORMATION REQUIRED BY QCR

INFORMATION COMPLETED BY FLS

INFO REQUIRED BY QCR UPON COMPLETION

LC NOTIFICATION

PRIORITY CHOICES: A B E F
 A = IMMED/SAFETY RESPONSE B = Urgent COMPLIANCE
 E = SCHEDULE COMPLETED YEAR 0 F = SCHEDULE COMPLETED YEAR 1+

Created Notification #

106979071

CD NOTIFICATION

PRIORITY CHOICES: A B E F
 A = IMMED/SAFETY RESPONSE B = Urgent COMPLIANCE
 E = SCHEDULE COMPLETED YEAR 0 F = SCHEDULE COMPLETED YEAR 1+

Created Notification #

USER STATUSES

- LIGHT EQUIPMENT ACCESS - ACCL
- MEDIUM EQUIPMENT ACCESS - ACCM
- HEAVY EQUIPMENT ACCESS - ACCH
- FOOT ACCESS ONLY - ACCF

- CLEARANCE REQUIRED - CLR
- Inspection - INSP
- PATROL - PATR
- NOMINATION - NOMN

- Expense - EXP
- Capital - CAP
-
-

-
-
-
-

REFERENCE INFO

(FUNCTIONAL LOCATION(LINE NAME)) DIVIDE – CABRILLO #1

CREW CLASS (SIZE):ET_OHM_3

WORK TYPE CODE:

SAP EQUIPMENT #: 40876908

CREW CLASS (SIZE):

630 - ICW-MAINT WOC

ETL#: 1830

EST TOTAL LABOR-HOURS TO COMPLETE
 (labor-hours = Crew Size x Hours to Complete – no travel time): 3X1

3

PLANNER GROUP:TLP - ET POLES

EXECUTION

REQUIRED END DATE:

4/30/2014

MAIN WORK CENTER (HEADQUARTER):

PISMOSBCH

VOLTAGE:

60kV 70 kV 115 kV 230 kV 500kV

LOCATION DATA (OPTIONAL INFORMATION)

STREET ADDRESS: GRACIOSA RD.

CITY: ORCUTT

ZIP (if known) :

DIVISION CODE (LOCATION): CC – CENTRAL COAST

COUNTY CODE (PLANT SECTION): 42

COMPLETION DATES

REPORTED BY (Name and LAN ID): RICK RYES R1R2

DATE FOUND (NOTIF DATE): 4/10/2013

COMMENTS (LONG TEXT): Describe the work required and the equipment and materials needed (e.g., area; access; special tools; road map, X St; GPS Coord; more detailed description of work required).

INSTALL GUY GUARD

DAILY WORK SHEET

UNITS

ACCOUNTING

CLOSED

Completed by
 (Name and LAN ID):

Redacted

Date: 4-11-13

Actual Labor-Hours:

3 hrs

Reviewed by
 (Name and L

Redacted

Date: JUN 17 2013

PM # 41911844/0090

REPAIR REPORT

OBJECT CODE

Anchor/Guy	Towers (Steel)	Poles (wood/steel)
<input type="checkbox"/> Hardware – Guy (AG05)	<input type="checkbox"/> Leg Member (SS01)	<input type="checkbox"/> Pole (SW01)
<input type="checkbox"/> Anchor (AG10)	<input type="checkbox"/> Non-leg Member (SS03)	<input type="checkbox"/> Wood Arm (SW04)
<input checked="" type="checkbox"/> Guy (AG06)	<input type="checkbox"/> Bolts (SS09)	<input type="checkbox"/> Steel Arm (SW05)
Conductor/Fittings	<input type="checkbox"/> Steps/Ladder (SS10)	<input type="checkbox"/> Bonding (SW07)
<input type="checkbox"/> Conductor (CF03)	<input type="checkbox"/> Anti-Climbing Guard (SS13)	<input type="checkbox"/> Molding (SW14)
<input type="checkbox"/> Damper (CF07)	<input type="checkbox"/> Bird Guard (SS15)	Marking
<input type="checkbox"/> Connector (CF10)	Foundations	<input type="checkbox"/> Aviation Ball (MA04)
<input type="checkbox"/> Splice (CF14)	<input type="checkbox"/> Earth Footing (FO01)	<input type="checkbox"/> Lighting (MA05)
<input type="checkbox"/> Spacer (CF08)	<input type="checkbox"/> Concrete Footing (FO02)	<input type="checkbox"/> Structure Marker (MA01)
<input type="checkbox"/> Jumper (CF17)	<input type="checkbox"/> Grade Beam (FO07)	<input type="checkbox"/> Aerial Marker (MA10)
<input type="checkbox"/> Shieldwire / OPGW (CF16)	<input type="checkbox"/> Stub Angle (FO08)	Right-of-Way
<input type="checkbox"/> Groundwire (CF04)	<input type="checkbox"/> Anchor Bolts (FO09)	<input type="checkbox"/> Right-of-Way (RW01)
Insulator/Hardware	<input type="checkbox"/> Grdwire Connection (FO04)	<input type="checkbox"/> Gate/Fence (RW02)
<input type="checkbox"/> Hardware – DE (IH01)	Switches/Hardware	<input type="checkbox"/> Boardwalk (RW04)
<input type="checkbox"/> Hardware – Susp. (IH02)	<input type="checkbox"/> Contact / Attachments (SH01)	<input type="checkbox"/> Road, Culvert, etc. (RW03)
<input type="checkbox"/> Insul. – Post (IH03)	<input type="checkbox"/> Equipment (SH04)	Electrical Clearance
<input type="checkbox"/> Insul – Pin (IH04)	<input type="checkbox"/> Operating Assembly (SH14)	<input type="checkbox"/> Tree (EC01)
<input type="checkbox"/> Insul. – Bell (IH05)	<input type="checkbox"/> Platform (SH10)	<input type="checkbox"/> Ground (EC02)
<input type="checkbox"/> NCI – Post (IH06)	Other	<input type="checkbox"/> Structure (EC07)
<input type="checkbox"/> NCI – DE/Susp. (IH07)	<input type="checkbox"/> Other (Describe) (IH10)	<input type="checkbox"/> Underbuild / Xing (EC06)
<input type="checkbox"/> Grading Rings (IH09)		<input type="checkbox"/> RW Encroachment (EC04)

CONDITION FOUND (SAP – Damage Code)		CAUSE CODE	ACTION	
Deterioration	Mechanical		Required	Taken
<input type="checkbox"/> Rusted (CH05)	<input type="checkbox"/> Bird Caged (MC13)	<input type="checkbox"/> Animal (ANIM)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Rotted (CH07)	<input type="checkbox"/> Broken (MC02)	<input type="checkbox"/> Bird (BIRD)	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Worn/Aged (CH08)	<input type="checkbox"/> Buckled/Bent (MC03)	<input type="checkbox"/> Fire (FIRE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Corroded (CH03)	<input type="checkbox"/> Cracked (MC01)	<input type="checkbox"/> Third-party (3RDP)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Not Sealed (CH02)	<input type="checkbox"/> Loose (MC08)	<input type="checkbox"/> Lightning (LITN)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Earth covered (CH14)	<input type="checkbox"/> Missing (MC15)	<input type="checkbox"/> Tree Branch (TBRN)	<input type="checkbox"/>	<input type="checkbox"/>
Electrical	<input type="checkbox"/> Out of Adjustment (MC14)	<input type="checkbox"/> Tree Contact (VEGE)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Burnt (EL09)	<input type="checkbox"/> Out of Plumb (MC18)	<input type="checkbox"/> Tree Fell (TFLL)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Brush/Fuel (EL11)	<input type="checkbox"/> Split (MC23)	<input checked="" type="checkbox"/> Other (OTHR)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Contamination (EL10)	<input type="checkbox"/> Twisted (MC09)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Clearance (ft/in) (EL08)	<input type="checkbox"/> Soil Movement (MC12)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Hot/Heating (EL13)	<input type="checkbox"/> Grade Change (RAW) (EL03)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Encroachment (EL14)	<input type="checkbox"/> Over tension (MC10)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Flashed (EL05)	<input type="checkbox"/> Slack (MC17)		<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/> Leaning (MC20)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other (Describe) (CH10)	<input type="checkbox"/> Vibrating (MC26)		<input type="checkbox"/>	<input type="checkbox"/>
			Quantity/Units: 1	

From: [Redacted]

Sent: Wednesday, April 10, 2013 7:15 AM

To: Elec Ops TO TLine L&T North & South Team [Redacted]
[Redacted]; [Redacted]

Cc: Buchholz, Kristine (ET); Taylor, Harold; [Redacted] (ET); [Redacted]

Subject: CPUC Finding Tailboard Training Required.

Importance: High

IMMEDIATE RESPONSE REQUIRED:

Team,

During our CPUC Audit in the Pismo area we have identified 1-location where on the object list from the inspection, the inspector checked the box indicating that the location was "Not Inspected this patrol". After further investigation it was found that due to poison oak surrounding the pole he was unable to complete his inspection at this single location.

This issue is a red flag for the local supervisor to create a Priority B notification, contact vegetation management and have a path created enabling the inspection to complete his inspection as required.

As part of the ETPM Manual our cycle allows us to deviate from our monthly schedules if required, based on inaccessibility to a specific location as long as the issue is corrected and the inspection is completed during the same calendar year the inspection is required in.

Note: In the ETPM Manual listed below is an option if environmental issues or other issues prohibit timely access to a given location, but the preferred method is to contact vegetation management, provide accounting, complete the inspection and update the object list the detailed inspection is completed.

3.2 Ground Inspections (Overhead)

Perform ground inspections on a regular basis to identify abnormalities or circumstances that negatively impact safety, reliability, or asset life. Examine individual elements and components carefully through visual and/or routine diagnostic tests. Grade and/or record abnormal conditions in accordance with the criteria in this manual.

It may not always be possible to perform ground inspections of lines or line sections due to access restrictions. Using an aerial inspection to replace a ground inspection must be authorized by the T/S M&C superintendent. In addition, the reason for the aerial inspection must be recorded and kept on file as part of the inspection record.

If in any given year a detailed ground inspection is substituted by a detailed aerial inspection, the following inspection cycle a ground inspection must be performed.

(Exception: If the original condition that prevented a detailed ground inspection still exists, a detailed aerial inspection is performed, but the QCR must be accompanied by the transmission line supervisor.)

The finding during the CPUC audit identified that one location was inaccessible, but no follow-up was completed and vegetation was not notified to clear a path. This oversight was not identified by the Supervisor during his review of the completed inspection documentation turned in by the inspector, and the inspector did not make this issue known that the inspection was incomplete when he turned in all the paper work associated to the detail inspection.

I have provided the exhibits 4-7 that we would like you to review with your T-men and crews to ensure they understand the process that is required in the event you have a location that is inaccessible during our detailed inspections. If you have any difficulty with completing the inspections and/or getting access, please elevate the issue and call your Superintendent prior to the inspection going past due. It is very important that we all support each other in this compliance. Through teamwork and communication we can remain 100% compliant. Please provided a tailboard training with your teams and create a sign-up sheet that shows 100% compliance with this training. Once completed please send Gina and myself a copy of the sign-up sheets by no later than *EOB on Friday April 19th, 2013* .

<< File: 20130409095057.pdf >>

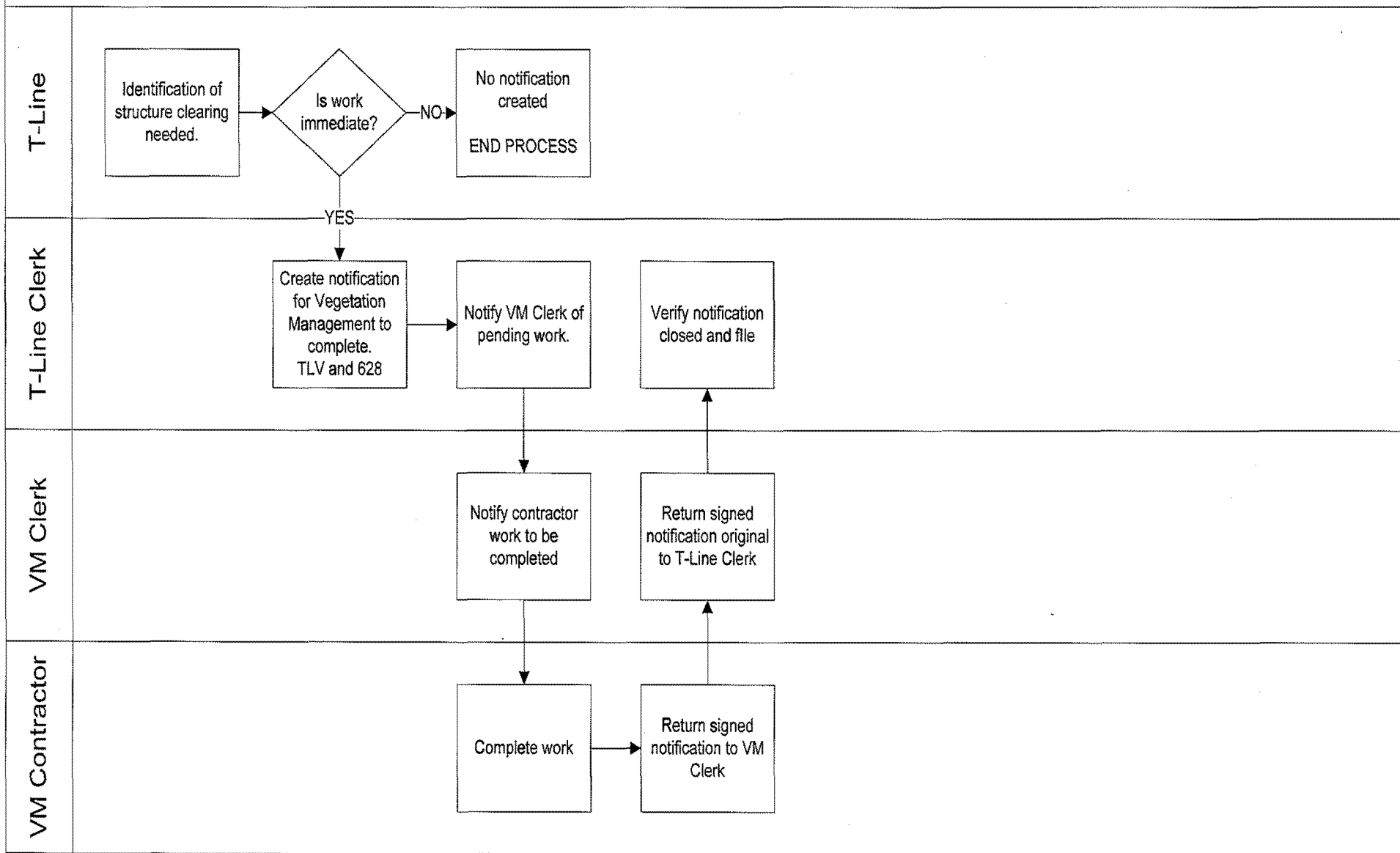
Be Safe,

Redacted

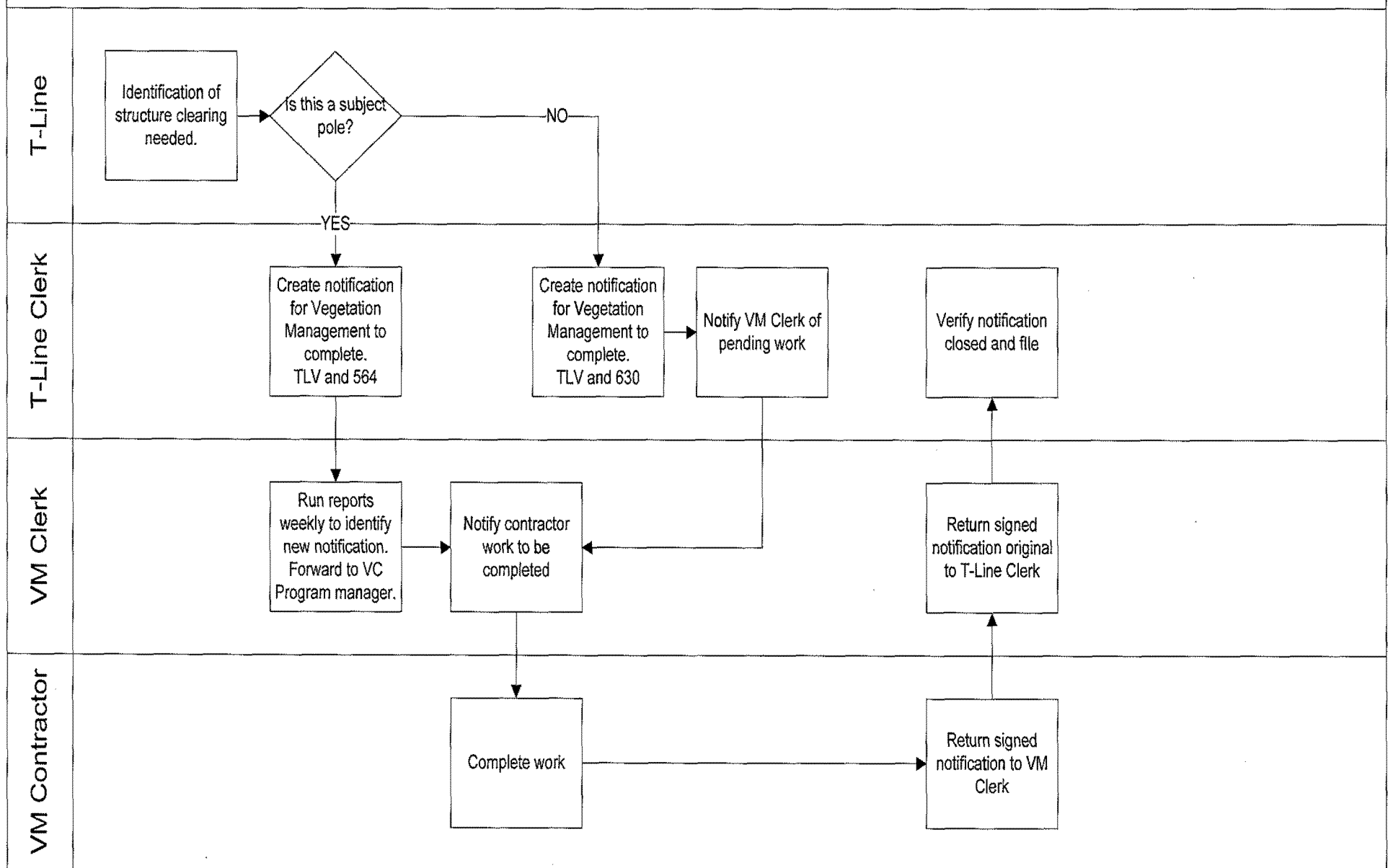
Superintendent South
Transmission Operations

Redacted

TRANSMISSION/VEGETATION MANAGEMENT NOTIFICATIONS – STEEL STRUCTURE CLEARING



TRANSMISSION/VEGETATION MANAGEMENT NOTIFICATIONS – WOOD POLE CLEARING



TRANSMISSION/VEGETATION MANAGEMENT NOTIFICATIONS – VM COMPLIANCE WORK

