

T.P. LEAK E

NON-HCA

Leak Survey, Repair, Inspection and Gas Quarterly Incident Report (Form "A")

INITIAL LEAK DATA

JK
540

YR - Series - SFX
 Leak Number 10-81005-1 USA Ticket # Valid Date
 Date Reported 10-07-2010 Time Reported 13:50 (24 hr Time) PCC Number 11778
 Response Date 10-12-10 Response Time 14:50 (24 hr Time) Paved Wall To Wall Yes No
 Moratorium Expire Date SAP Recheck Order # SAP Repair Order # 41362524
 Address: Redacted City: Daly City
 Description of Reading Location:

REPORTED BY: Call In Mobile Survey Foot Survey Other Employee ^b
 SURFACE OVER LEAK: Concrete Unsurfaced Asphalt Other

READINGS				2% or Less (c) or Suspect Via Vent Copper (s)	Down Grade Via Vent (Yes/No)	DATE	TIME (24 hr Time)	OPERATOR LAN ID	UNIT SERIAL NUMBER (Last 4 Digits)	LOCATION REMARKS (Not needed, if the same as previous)
PPM	%LEL	%GAS	Inst (a)	Grade (b)						
0	0	0.5	G	2	D	10-07-2010	13:50	Reda	9025	same

PRIORITY 2 (2+) REQUESTED REPAIR DATE (Only needed if less than 90 days) (Repair required within 90 calendar days)
 a Instrument Type: Enter H for Hydrogen Flame Ionization, C for Combustible Gas Indicator, or V for Visual.

b Enter Grade or enter 2+ for Priority Grade 2. Enter 0 (zero) if no leak is found. If a competent first responder from other than M&C determines that the leak is non-hazardous, enter as a Grade 2+. The % Gas will be zero, the Instrument will be "V" and the 2% reason code will be "H". Use the next line below to upgrade or downgrade the leak.

c 2% or less reason code is required if leak is graded as 1, 2+, or 2:
 A - Wall to wall and travelling, B - Next to, at or under bulging, C - Odor and next to public gathering location, D - In foreign structure, E - Audible and/or visible, F - On facility in extremely poor condition, G - At least second customer call out, H - Leak is reported as 0% Gas Visual, J - Leak within scope of work by others, N - Grade 3 downgrade is not allowed, S - Leak is suspected to be on a copper service.

7BL

MAPPING DATA

Leak Location Map Wall Map: 7 Plat C13 Federal Land Yes No SYSTEM PRESSURE (MAOP) R'qd for Grade 1, 2, 2+ Downgrades to Grade 0
 Recorded Location Map Wall Map: 7 Plat BX13 Block 000-49 LP (<=10.5psig) SHP (<=25psig) HP (<=60psig) TP (>60psig)
 Normally Cathodically Protected Yes No CPA MOP (TP only) 375 NOP (All systems)
 Year Inst: 1950 TP Line # DREG4344 Mile Post Redact Original Job # (TP only)
 For Leaks On Services: Main Connected to Service Cast Iron Plastic Steel Installation Year of Main 1950

PIPE DATA

<p>LEAK SOURCE</p> <input type="radio"/> Bell Joint <input type="radio"/> Body of Pipe <input type="radio"/> Clamp <input type="radio"/> Drip <input type="radio"/> Encapsulation <input checked="" type="radio"/> Fitting <input type="radio"/> Fusion Joint <input type="radio"/> Girth Weld <input type="radio"/> Logitudinal Weld <input type="radio"/> Mechanical Joint	<p>LEAK CAUSE</p> <input type="radio"/> Plastic Tee Cap <input type="radio"/> Other Welds <input type="radio"/> Regulator <input type="radio"/> Riser <input type="radio"/> Tap Connection <input type="radio"/> SS Fitting In Plastic System <input type="radio"/> Valve <input type="radio"/> Unknown <input type="radio"/> Other <u> </u>	<p>LEAK CAUSE</p> <input type="radio"/> Atmospheric Corrosion <input type="radio"/> Cast Iron Fracture <input checked="" type="radio"/> Construction Defect <input type="radio"/> Damage by Electrical Facility <input type="radio"/> Damage by Heavy Rains/Flood <input type="radio"/> Damage by Earth Movement <input type="radio"/> Damage by 3rd Party <input type="radio"/> External Corrosion <input type="radio"/> Internal Corrosion <input type="radio"/> Stress Corrosion Cracking <input type="radio"/> Material Failure <input type="radio"/> Plastic Crack Failure	<p>LEAK CAUSE</p> <input type="radio"/> Plastic Embrittlement <input type="radio"/> Vandalism <input type="radio"/> Structure Fire <input type="radio"/> Vehicle <input type="radio"/> Incorrect Operation <input type="radio"/> Equipment Malfunction <input type="radio"/> Previously Damaged <input type="radio"/> Lightening <input type="radio"/> Weld Failure <input type="radio"/> Unknown <input type="radio"/> Other <u> </u>	<p>LINE MATERIAL</p> <input type="radio"/> Copper <input checked="" type="radio"/> Steel/Wrought Iron <input type="radio"/> Cast/Ductile Iron <input type="radio"/> Aldyl A (Tan or Gray) <input type="radio"/> PE2408 (Yellow or Orange) <input type="radio"/> PE2408/2708 (Yellow) <input type="radio"/> PE3408 (Black) <input type="radio"/> PE4710 (Black) <input type="radio"/> Other Plastic <u> </u> <input type="radio"/> Other <u> </u>
--	--	---	--	--

Line Size 1/4" 25 10-21-10
 Line Above Ground Yes No Internal Liner Yes No Line Inserted Yes No
 High Consequence Area (Transmission Only) Yes No EFV Installed Yes No EFV Operated Yes No
 Incident Report # Material Problem Report #
LINE USE:
 Distribution Main 10-21-10
 Gathering
 Single Service
 Branch Service
 Transmission
 Service

OCT 21 2010

Date Printed: 11 October 2010

REPAIR DATA ()

Repair Location: Fixed Leak on Fitting in Vault (Reg Station)
Pipeline Engineer Consulted: Yes No
Repair Remarks: Tightened Fitting in Vault
Repaired By: Redacted Repair Date: 10-12-10 Repair Time: 12:50 - 15:30 Pipe-to-Soil (mV): 10-21-10 (External Corrosion Only)

- Repair Code: B) 10-21-10
- Mechanical Repair Fitting
 - Replace Valve < 2 Inch
 - Soap and/or Tape PAV-10
 - Type A Sleeve
 - Bell Joint Seal
 - Replace Dist Main < 100 ft
 - Replace Valve > or = 2 Inch
 - Tee Fused over Defect
 - Type B Sleeve
 - Bell Joint Clamp
 - Replace Dist Main > or = 100
 - Replace Plastic Tee Cap
 - Fill Weld
 - Grinding
 - CI Repair Sleeve
 - Deactivated Entire Service
 - Tighten Cap/Bolt
 - Patch Weld
 - Clockspring
 - BJ PermaBond
 - Deactivated Partial Service
 - Aldyf Electrofusion Overcap
 - Direct Deposition Weld
 - Aquawrap
 - Deactivate TP Main
 - Replace TP Main
 - Replace Entire Service
 - Skinner Clamp
 - Welded Sleeve/Can
 - Other replaced control loop
 - Deactivate Dist Main (1 foot or more)
 - Replace Partial Service
 - SS Clamp w/Anode
 - Welded Save-A-Valve

SIZED INSTALLED: 7.5 REPLACED WITH: STEEL PE2406/2708 (Yellow) PE100 Copper Entirely Replaced
 PE4710 (Black) TR418

Field Reviewed By: Redacted Date: 10-21-10 Post Repair Check: Yes No Date: _____
Redacted Date: 10-25-10 Posting Required: Yes No

GENERAL INSPECTION DATA

DATE: 10-12-10 Inspected by LAN ID: Redacted Line Use: Distribution Main Service Single Service
 Gathering Transmission Branch Service

- LINE MATERIAL: Steel/Wrought Iron Cast/Ductile Iron Copper Aldyf-A (Tan or Grey) PE2406 (Yellow or Orange) PE2406/2708 (Yellow) PE3408 (Black) PE4710 (Black)
- SOIL TYPE: Clay Rock Sand Loam Wet Exposed Facility Other PAV-10
- For TP Only SOIL RESIST (Ohm-cm): 0 - 1,000 1,000 - 2,000 2,000 - 6,000 5,000 - 10,000 > 10,000
- SURFACE OVER PIPE: Concrete Asphalt Soil (Previously Unsurfaced) Exposed Other _____
- FEET EXPOSED: 20 COVER ON PIPE (Inches): 2 1/4 INTERNAL LINER: Yes No
PAVED WALL TO WALL: Yes No NEAR PUBLIC ASSEMBLY: Yes No
Line Size: _____

METALLIC PIPE CONDITION

- COATING TYPE: Bare/None Epoxy Paint PAV-10 Tape Single Wrap Somatic Tar COATING CONDITION: Excellent Fair Good Poor
- CIRCUMFERENTIAL WELD CONDITION (Visual): _____ (See Numbered Document D-20 or D-22)
- LONG SEAM: DSAW ERW AO Smith Spiral SSAW SMLS LAP Flash

EXTERNAL INSPECTION

- RUST: None Light Heavy
PITTING: None Light Heavy
GOUGING: None Light Heavy
- WALL THICKNESS (Req for TP) (Inches): _____ WALL THICKNESS MEASURED: Yes No
MAX. PIT DEPTH (Req for TP) (Inches): _____ GRAPHITIZED (Cast Iron): Yes No
MAX GOUGE DEPTH (Req for TP) (Inches): _____

INTERNAL INSPECTION

- RUST: None Light Heavy
PITTING: None Light Heavy
MAX. PIT DEPTH (Req. for TP) (Inches): _____

PLASTIC PIPE CONDITION

- PRINTLINE VISIBLE: Yes No MANUFACTURE DATE: _____ LOCATING WIRE: Good Bad None
PIPE MANUFACTURER (LOCATED ON PIPE): _____
- GOUGING: Yes No UNDER STRESS/BENT: Yes No DISCOLORING TO GRAY: Yes No CRACKING: Yes No IN CONTACT WITH HARD OBJECTS: Yes No
- ESTIMATE GOUGE DEPTH: <10% 10-50% >50% VISUAL BEAD APPEARANCE (SEE NUMBERED DOCUMENT D-21): Acceptable Unacceptable TEE CAP CRACKING: Yes No

GAS QUARTERLY INCIDENT REPORT

DAMAGING PARTY: _____ ADDRESS: _____ CITY: _____
Damaging Party Working for PG&E: Yes No Phone: _____ Zip Code: _____

INJURED Employees: 0 Others: 0 Damage \$: _____ # Cust. Interrupted: 0 # Cust. Hours: 0 FIRE: Yes No EXPLOSION: Yes No

FATAL Employees: 0 Others: 0 Media: Yes No Media Type: TV Radio Newspaper Name/Channel: _____

DOT REPORTABLE (Fatality, In-patient Hospitalization, >= \$50K Property Damage): Yes No CPUC REPORTABLE (Major News Media): Yes No

LOCATION SKETCH

REQUIRED for new or returned to service segments of main and/or service: <input type="checkbox"/> On-Site Test <input type="checkbox"/> Pre-Test	(if any fillings are used, then text and/or sketch must show location)	WELDED BY _____ Date: _____
TESTED AT _____ PSIG for _____ TEST in accordance with A-34	TYPE OF PLASTIC MATERIAL INSTALLED Manufacturer Name (Polypipe, US Poly, Performance, or KWH)	WELDING INSPECTED PER PG&E NUMBERED DOCUMENT <u>D-40</u>
BY _____ DATE _____	MFG. DATE (mm/dd/yy) See Numbered Document <u>A-93</u>	BY _____ Date: _____ INSPECTOR
TEST QUALIFIES PIPE FOR _____ PSIG MAOP		

COMMENTS

Sketch is required for all repairs (or directions as to where to find the sketch is required, if sketch is located on another record).

Fixed Leak on Reg in Vault

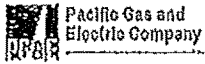
10-12-70

Redacted

2:50 PM

Please Note: EMS Markers are to be installed for Deactivated Facilities and where plastic is found without wire. All EMS markers shall be clearly dimensioned.

Redacted



Redacted

02-1003 (Rev 0005)
Gas T&D
Utility Standard
S4110

Leak Survey, Repair, Inspection and Gas Quarterly Incident Report (Form "A")

INITIAL LEAK DATA

56

YR - Series - SFX: 10 - 81005 - J

Leak Number: 10 - 81005 - J

Date Reported: 10 - 07 - 2010

Response Date: []

Time Reported: 13:50 (24 hr Time)

Response Time: [] (24 hr Time)

USA Ticket #: []

Valid Date: []

PGC Number: 14778

Paved Wall To Wall: Yes No

SAP Recheck Order #: []

SAP Repair Order #: 41411028

Address: Redacted

City: Daly City

Description of Reading Location: []

REPORTED BY: Call In Mobile Survey Foot Survey Other Employee

SURFACE OVER LEAK: Concrete Unsurfaced Asphalt Other

7 C 13

READINGS					2% or Less (c) or Suspect Copper (s)	Down Grade Via Vent (Yes/No)	DATE	TIME (24 hr Time)	OPERATOR LAN ID	UNIT SERIAL NUMBER (Last 4 Digits)	LOCATION REMARKS (Not needed, if the same as previous)
PPH	%LEL	%GAS	Int (a)	Grade (b)							
0	0	0.5	C	2	D	10-07-2010	13:50	Redacted	9026	same	
		0	C	0	N	10-15-10	1012		1795		

PRIORITY 2 (2+) REQUESTED REPAIR DATE (Only needed if less than 90 days) [] (Repair required within 90 calendar days)

a Instrument Type: Enter H for Hydrogen Flame Ionization, C for Combustible Gas Indicator, or V for Visual.

b Enter Grade or enter 2+ for Priority Grade 2. Enter 0 (zero) if no leak is found. If a competent first responder from other than M&G determines that the leak is non-hazardous, enter as a Grade 2+. The % Gas will be zero, the instrument will be "V" and the 2% reason code will be "H". Use the next line below to upgrade or downgrade the leak.

c 2% or less reason code is required if leak is graded as 1, 2+, or 2:

- A - Wall to wall and traveling, B - Next to, at or under building, C - Odor and next to public gathering location, D - In foreign structure, E - Audible and/or visible, F - On facility in extremely poor condition, G - At least second customer call out, H - Leak is reported as 0% Gas Visual, J - Leak within scope of work by others, K - Grade 3 downgrades is not allowed, S - Leak is suspected to be on a copper service.

MAPPING DATA

Leak Location Map Wall Map: [7]

Recorded Location Map Wall Map: [7]

Plat: C73

Federal Land: Yes No

Block: 000

SYSTEM PRESSURE (MAOP): []

Normally Cathodically Protected: Yes No

CPA: []

MOP (TP only): 375

NOP (All systems): []

Year Inst: 1950

TP Line #: DREG4344

Mile Post: Redacted

Original Job # (TP only): []

For Leaks On Services: Main Connected to Service Cast Iron Plastic Steel

Installation Year of Main: 1950

PIPE DATA

LEAK SOURCE <input type="radio"/> Bell Joint <input type="radio"/> Body of Pipe <input type="radio"/> Clamp <input type="radio"/> Drip <input type="radio"/> Encapsulation <input type="radio"/> Filling <input type="radio"/> Fusion Joint <input type="radio"/> Girth Weld <input type="radio"/> Longitudinal Weld <input type="radio"/> Mechanical Joint	<input type="radio"/> Plastic Tee Cap <input type="radio"/> Other Welds <input type="radio"/> Regulator <input type="radio"/> Riser <input type="radio"/> Tap Connection <input type="radio"/> SS Filling in Plastic System <input type="radio"/> Valve <input type="radio"/> Unknown <input type="radio"/> Other []	LEAK CAUSE <input type="radio"/> Atmospheric Corrosion <input type="radio"/> Cast Iron Fracture <input type="radio"/> Construction Defect <input type="radio"/> Damage by Electrical Facility <input type="radio"/> Damage by Heavy Rains/Flood <input type="radio"/> Damage by Earth Movement <input type="radio"/> Damage by 3rd Party <input type="radio"/> External Corrosion <input type="radio"/> Internal Corrosion <input type="radio"/> Stress Corrosion Cracking <input type="radio"/> Material Failure <input type="radio"/> Plastic Crack Failure	<input type="radio"/> Plastic Embrittlement <input type="radio"/> Vandalism <input type="radio"/> Structure Fire <input type="radio"/> Vehicle <input type="radio"/> Incorrect Operation <input type="radio"/> Equipment Malfunction <input type="radio"/> Previously Damaged <input type="radio"/> Lightning <input type="radio"/> Weld Failure <input type="radio"/> Unknown <input type="radio"/> Other []	LINE MATERIAL <input type="radio"/> Copper <input type="radio"/> Steel Wrought Iron <input type="radio"/> Cast Ductile Iron <input type="radio"/> Alloy A (Tan or Gray) <input type="radio"/> PE2100 (Yellow or Orange) <input type="radio"/> PE2100/2708 (Yellow) <input type="radio"/> PE3108 (Black) <input type="radio"/> PE4710 (Black) <input type="radio"/> Other Plastic [] <input type="radio"/> Other []
--	---	--	--	---

Line Size: []

Line Above Ground: Yes No

Internal Liner: Yes No

Line Inserted: Yes No

High Consequence Area (Transmission Only): Yes No

EFV Installed: Yes No

EFV Operated: Yes No

Incident Report #: []

Material Problem Report #: []

OCT 16 2010

Redacted

CING # 109

62-4050 (Rev 3/08)
Gas T&D
Utility Standard
S4110



Pacific Gas and Electric Company

Leak Survey, Repair, Inspection, and Gas Quarterly Incident

DOMAIN #1309

Report (Form "A")

PIPE GROUP: L109

INITIAL LEAK DATA

Leak number: 110-81005-
 Date Reported: 10-07-10
 Time Reported: 1350 (24 hr Time)
 Response Date:
 Response Time:
 PCC Number:
 Paved Wall-To-Wall: Yes No
 Moratorium Expire Date:
 SAP Recheck:
 SAP Repair Order #:
 Address: Redacted

Description of Reading Location: Redacted

REPORTED BY: Call-In Home Survey Other Employee
 Foot Survey Other Employee
 SURFACE OVER LEAK: Concrete Unsurfaced Asphalt Other

READINGS				2% or Less ^a or Suspect Copper (S)	Down Grade Via Vent (Yes/No)	DATE	Time (24 hr Time)	OPERATOR LAN ID	UNIT SERIAL NUMBER (Last 4 Digits)	LOCATION REMARKS (Not needed, if the same as previous)
PPM	% LEL	% GAS	Instr ^d Grade ^b							
		5	C 2	D	ND	10-07-10	1350	Redacted	9025	

PRIORITY 2+ REQUESTED REPAIR DATE (Only needed if less than 90 days) (Repair required within 90 calendar days)

- a Instrument Type: Enter H for Hydrogen Flame Ionization, C for Combustible Gas Indicator, or V for Visual.
- b Enter Grade or enter 2+ for Priority Grade 2. Enter 0 (zero) if no leak is found. If a competent first responder from other than M&C determines that the leak is non-hazardous, enter as a Grade 2+. The % Gas will be zero, the instrument will be "V" and the 2% reason code will be "H". Use the next line below to upgrade or downgrade the leak.
- c 2% or less reason code is required if leak is graded as 1, 2+, or 2:
 A-Wall to wall and traveling, B-Next to, at or under building, C-Odor and next to public gathering location, D-In foreign structure, E-Audible and/or visible, F-On facility in extremely poor condition, G-At least second customer call out, H-Leak is reported as 0% Gas Visual, I-Leak within the scope of work by others, S-Leak is suspected to be on a copper service

MAPPING DATA

Leak Location Map Wall Map: 0007 Plat: C-1-3 Federal Land: Yes No
 Recorded Location Map Wall Map: Plat: Block: LP (≤10.5" WC) SHP (≤25 psig)
 Normally Cathodically Protected Yes No CPA: MOP (TP only) HP (≤60 psig) TP (>60 psig)
 Year Inst. TP Line # Mile Post: Original Job # (TP Only)
 For Leaks On Services: Main Connected to Service Cast Iron Plastic Steel Installation Year of Main

PIPE DATA

LEAK SOURCE: Bell Joint Body of Pipe Clamp Drip Encapsulation Fitting Fusion Joint Girth Weld Longitudinal Weld Mechanical Joint Plastic Tee Cap Other Welds Regulator Riser Tap Connection

LEAK CAUSE: Atmospheric Corrosion Cast Iron Fracture Construction Defect Damage by Electrical Facility Damage by Heavy Rains/Flood Damage by Earth Movement Damage by 3rd Party External Corrosion Internal Corrosion Stress Corrosion Cracking Material Failure Plastic Crack Failure Plastic Embrittlement Vandalism Structure Fire

LINE MATERIAL: Copper Steel/Wrought Iron Cast/Ductile Iron Adufa (Tan or Gray) PE2406 (Yellow or Orange) PE2406/2708 (Yellow) PE 3408 (Black) PE 4710 (Black) Other Plastic

LINE USE: Distribution Main Gathering Single Service Branch Service Transmission

Line Size: Line Above Ground Yes No Internal Liner Yes No Line Inserted Yes No
 sequence Area Yes No (Transmission Only) EFV Installed Yes No EFV Operated Yes No
 Report #: Material Problem Report #:

RECEIVED OCT 08 2010