

Docket No. SA-534

Exhibit No. 2-BA

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

EXCERPTS OF PG&E JOB FILES FOR LINE 132 WORK

(7 Pages)

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

PG&E Data Request No.:	NTSB 010-005A		
PG&E File Name:	San Bruno GT Line Incident DR NTSB 010-005A		
Request Date:	September 13, 2010	Requesting Party:	NTSB
Date Originally Sent:	September 17, 2010	Requestor:	Operations (Gunther/Chhatre/Shori)
Date Resubmitted:	February 8, 2011	Requestor:	Operations (Chhatre)

QUESTION 5 (SEPTEMBER 17, 2010)

Based on the list generated for NTSB investigation re: all jobs built on the same job number as the San Bruno L132 segment and all jobs built in 1956, provide copies of all job as-builts to include but not limited to plan/profile, STPR's etc. where available.

QUESTION 5A (FEBRUARY 8, 2011)

NTSB requested a privilege waiver and a clean copy of documents previously provided in response to this request.

ANSWER 5 (SEPTEMBER 17, 2010)

Please see attached:

- Job Estimate (No. 0291G91137) / Job Order (No. 1958719)
- Bill of Materials to Accompanying Drawing 489621
- St. Francis & Hickey handwritten notes
- Drawing: Shut Down T.L. 109 (GM 1958719)
- Pipeline – Plan & Profile (Drawing No. 489621, Rev. 3) – 3 sheets
- Pipeline – Arrangement (Drawing No. 489620, Rev. 2)
- Pipeline – Plan & Profile (Drawing No. 489625, Rev. 2)
- Foreman's Copy of 151181
- General's Construction Copy of 136471

SAN BRUNO_DR_NTSB_010-005A

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

- Drawing No. 382586, Change 4 and associated documents
- Gas Foreman's Copy of GM483251 (As-builts for Installed Electrolysis Test Stations)
- Estimate for Appropriation for Purchase Add'l RW – and Relocate the 30" transmission Line No. 132 (GM G-128826)

QUESTION 5A (FEBRUARY 8, 2011)

PG&E agrees to waive privilege with respect to the requested documents, and a clean copy is attached.

PACIFIC GAS AND ELECTRIC COMPANY

MANAGER'S COPY

BITUMINOUS PRODUCTS & APPLICATION CO.
 8TH & WRIGHT ST.,
 RICHMOND, CALIFORNIA.

DATE	PREFIX	NUMBER
10/4/56	7 R	18302

R. E. WETTER
 HOLD FOR SHIPPING INSTRUCTIONS

AS NOTED

QUANTITY	DESCRIPTION	P. G. AND E. MATERIAL NO.	PRICES QUOTED
550 FT.	UNLOAD AND STOCKPILE, REMOVE OLD COATING, PROCESS, STOCKPILE AND LOAD OUT PER PGE SPEC. EP-57 AND YOUR QUOTATION LETTER OF 9/12/56 APPROX. PIPE = 30" O.D. D.W. .875 WALL (UNLOAD & STOCKPILE) (REMOVE OLD COATING) (PROCESS) (STOCKPILE & LOAD OUT) ALL PER YOUR PROPOSAL DATED 9/12/56 CONFIRMING ORDER - DO NOT DUPLICATE.		<i>Bit Tally Rec.</i> 10/9 89¢ 245.10 10/9 89¢ 241.11 486.21

ORDER NO. 29866 DATE 9/28

REMARKS FOR 34" LOOP LINES

136471

PREFIX	NUMBER	SUFFIX	LOCATION OR ITEM	ACCTGTY NUMBER	SUB. STOCK
GM	130004	2			552

DIVISION NO. 70

461395 WETTER - ORDER FOR MATERIAL ON 7R 10301

5

PREFIX	NUMBER
R	18302

GENERAL CONSTRUCTION DEPARTMENT

Notice of:

STARTING - OPERATION - COMPLETION

RECEIVED HWH
 VICE PRESIDENT'S OFFICE
 OCT 16 1956
 GENERAL CONSTRUCTION DEPARTMENT
 GCHS
 HDW
 GCG

Date September 4, 1956

3100 Castro Ave., San Francisco, Cal.
Field Office - Town and Street

Mr. H. A. Lee
Division Manager

GM, ~~XXXXXXXX~~
Job No. 64 135471

covering Install 1500' - 20' Transmission Main, Remove and salvage

1000' of 24" Transmission Main, Abandon in place 450'

of 20" Tran. Main, Crestwood Subdivision Unit # 7, 133

Right of Way Main, Geyline and Sneath, San Bruno, Ind.

was physically started June 24, 1956 ~~Supervisor NO 1017 - G~~

was placed in operation July 27, 1956

was physically completed September 4, 1956

Have required completion records, drawings, etc. been turned over to Division? Yes No

If answer to above is no show date of expected conformance

Coordination with Division Representative:

On 6/21/56 Mr. A. E. Carrisore, Foreman, GC Dept., contacted

Mr. George Taylor, Foreman, San Francisco Division at San Francisco

Remarks

- ORIGINAL — Division Manager
- COPIES — Manager in charge
- Plant Accounting Dept.
- Field job file
- * ~~Field job file~~

J. A. Love
Manager of Gas Constr.

Signed A. E. Carrisore
Foreman

* (Show copies as may be required by special conditions as shown on the reverse side of this form)

(General Construction Department Use Only)

Cost Books to be handled by Plant Accounting Dept.

Tool Expense to be cleared from 9 105 97001

Field Records by T. J. Jones

DATE June 21, 1956

PACIFIC
ESTII

GM

DIVISION U.P.
LOCAL EST. NO. 13073

136471-56

NAMES OF APPLICANTS	SCHED.	DOM. W.H.	DOM. YANK. W.H.	DOM. AUTO. W.H.	N.F.R.	D.V.I.	IM'L. & LOADS	HIGHWAY EXTENSION DATA	
								EST. ANNUAL REV.	EST'D 1-YR. REV.
P.O. & E. Co.								TOY. LYH. EXTENSION—FT.	
								COMPANY ALLOWANCE	
								EXCESS LINE ADVANCE REQ'D AT PER FOOT	\$
									\$

PLACE AND LOCATION **RELOCATE SECTION OF GAS TRANSMISSION MAIN #132 BY REPLACEMENT**
 NECESSITY FOR PROPOSED WORK AND DESCRIPTION THEREOF: **ONESTHOOD SUBDIVISION UNIT #7
 GAS TRANSMISSION RIGHT OF WAY FOR #132 BETWEEN
 SKYLING AND SWEATH**

FORMALLY APPROVED

(See the attached)

JUL 24 1956

President & Gen'l. Mgr.

COMMENDATION: **Company expense** SHOW MAX. HOURLY DEMAND ON IND'L INSTALLATIONS MAIN ON PRI. PROP'Y BY CONTRACT \$ D. & C. NOS.

ACCOUNT NUMBER	ESTIMATE OF COST—ITEMS (FOR INVOLVED ESTIMATES GIVE SUMMARY HERE—DETAIL ON EXTRA SHEETS)	UNIT COST	AMOUNT (DOLLARS ONLY)	TOTAL (DOLLARS ONLY)
1121	Secure new Right of Way			700.
1124	Install 1900' of 30" Transmission Main	26.		49,600.
1124-1	Remove & salvage 1400' of 30" Trans. Main	3.50		4,900.
1124-2	Abandon in place 450' of 30" Trans. Main			500.
1803	Operate valves and control pressures			200.
1903	Adjust distribution pressure during shutdown			350.

BUDGET ITEM NO. L-102

CHECK LIST	REQ'D.	SEC'D.	TOTAL (EXCL. MAINT. & OPER.)	\$
CITY OR CO. PERMIT			OVERHEAD CONST. COST	1% \$ 9,355.
HIGHWAY PERMIT			SUB TOTAL	\$ 65,055.
RAILROAD PERMIT			MAINTENANCE & OPERATION	\$ 350.
OTHER PERMITS			APPROPRIATION METERS, REGULATORS, SERVICES INSTALLED	\$ -
MACHINE TRENCH—FT.			DEDUCT SALVAGE AND/OR OTHER CREDITS	\$ 10,000.
PAVEMENT—SQ. YDS.			NET EXPENDITURE	\$ 55,405.
SALES			TOWN OR TERRITORY AND COUNTY	San Bruno, Cal.
ENGINEERING			DIVISION	
OPERATING			W. O. NO.	
LAND			RECOMMENDED	E. E. Sutherland
			APPROVED	Harry J. Lee
				P. AND GEN'L. MGR.
				136471
				G. M.

450' of 30" Trans. Main, abandon in place on 98015 9/23/49
 1450' of 30" Trans. Main to be removed and salvaged on 98015 9/23/49

EXTENSION BASIS AUTHORIZED
 BY EXPENSE OF COMPANY

GEN. OFFICE DIV. MOR.

PACIFIC GAS AND ELECTRIC COMPANY
ESTIMATE FOR APPROPRIATION
WORK ORDER
GAS DEPARTMENT

DIVISION S.F.
LOCAL EST. NO. 12073

DATE

NAMES OF APPLICANTS	SCHED.	DOM. TANK T.V.'S	DOM. TANK W.H.	DOM. AUTO W.H.	T.V.'S	D.V.'S	FURNACES, F. P. OR G. A. HEATERS		COMM'L & IND'L LOADS	HIGHWAY EXTENSION DATA
							TYPE	B. T. U. CAPACITY		
P.G. & E. CO.										NATURE OF TOY, LYH, EXTENSION--FT. _____ COMPANY ALLOWANCE-- " _____ EXCESS LINE " _____ ADVANCE REQ'D AT 7' PER FOOT } \$ _____ EST'D 1-YR. REV. \$ _____

TITLE AND LOCATION RELOCATE A SECTION OF GAS TRANSMISSION MAIN #132 BY REPLACEMENT

NECESSITY FOR PROPOSED WORK AND DESCRIPTION THEREOF: CRESTMOR SUBDIVISION UNIT #7
#132 RIGHT OF WAY BETWEEN SKYLINE BLVD. AND SNEATH LANE

RELOCATE A 30" SECTION OF GAS TRANSMISSION MAIN #132 WHICH IS IN WAY OF GRADING OPERATION FOR STREET CONSTRUCTION IN CRESTMOR SUBDIVISION, UNIT #7.

THIS WORK ORDER IS ISSUED TO EXPEDITE ACQUIRING MATERIAL AND TO PERFORM IMMEDIATE WORK. CHARGES ACUMULATED ARE TO BE TRANSFERRED TO GM (LE12073) WHEN AUTHORIZED.

136471

GENERAL CONSTRUCTION

SHOW MAX. HOURLY DEMAND
ON IND'L INSTALLATIONS
MAIN ON PRL. PROP'Y
BY CONTRACT \$

RECOMMENDATION: COMPANY EXPENSE

LOCATION & ITEM NO.	ACCOUNT NUMBER	ESTIMATE OF COST--ITEMS (FOR INVOLVED ESTIMATES GIVE SUMMARY HERE--DETAIL ON EXTRA SHEETS)	UNIT COST	AMOUNT (DOLLARS ONLY)	TOTAL (DOLLARS ONLY)
	1121	SECURE NEW RIGHT OF WAY			
	1124	INSTALL 1900' OF 30" DW TRANSMISSION MAIN			
	1124R-1	REMOVE AND SALVAGE 1400' - 30"			
	1124R-2	KILL AND ABANDON 450' - 30"			

GENERAL CONSTRUCTION

BUDGET ITEM NO. I-102

PLANT TO BE ABANDONED OR REPLACED:

450' - 30" T.P. TO BE ABANDONED
IN PLACE - GM 98015, 9/23/49

1400' - 30" T.P. TO BE REMOVED
AND SALVAGED - GM 98015, 9/23/49

CHECK LIST	REQ'D.	REQ'D.	TOTAL (EXCL. MAINY. & OPER.) \$
CITY OR CO. PERMIT			OVERHEAD CONST. COST % \$
HIWAY PERMIT			SUB TOTAL \$
RAILROAD PERMIT			MAINTENANCE & OPERATION \$
OTHER PERMITS			APPROPRIATION \$
EASEMENT			METERS, REGULATORS, SERVICES INSTALLED \$
MACHINE TRENCH--FT.			DREDG' SALVAGE AND/OR OTHER CREDITS \$
PAVEMENT--SQ. FT.			NET EXPENDITURE \$

TOWN OR TERRITORY AND COUNTY
SAN BRUNO, INC.

EXTENSION BASIS: NONPROFIT

ANNUAL EXPENDITURES \$

LYE AND UNDERRUN \$

MONTH CLEARED 12/1/49 1352 To 644

SALES	GEN. CONSTN.	DIVISION	W. O. NO. <u>4017-G</u>
ENGINEERING	CREDIT DEPT.	RECOMMENDED	AUTHORIZED:
OPERATING	EXEC. ENG.	APPROVED	V. P. AND GEN'L. MGR.
LAND		E. E. STRAND	O. N. <u>136471</u>
RECOMMENDED		APPROVED	

GEN. OFFICE

DIV. MGR.

55-0112-1-55-104

DETAIL OF EXPENDITURES

ITEM CONSTRUCTION COSTS EXPENDITURES

2. LANDS

2.1 Purchase price only
 Inv. #662584 - Calif Pacific Title Insurance Co
 Purchase in fee from Western Slope Land Corp of
 50 ft strip of land containing approx 3.09
 acres between South Kane and Junipero Serra
 Blvd., Hollingwood Subdivision #1, San Bruno
 Total Expenditure Item 2.1 10,710.00
 10,710.00

2.2 Surveying

Labor 178.24
 Payroll taxes 15.15
 Expenses of field forces 70.62
 Auto hire 41.01
 Total Expenditure Item 2.2 305.02
 Total Expenditure Item 2. 11,015.02

810. GAS MAINS - REGULAR PIPE LINE CONSTRUCTION

815. 30" OD gas main - Main #132
 815.1 Purchase price of pipe
 Labor 86.30
 Payroll taxes 4.75
 Construction indirect 7.14
 Personal expenses 1.48
 Auto hire 11.03
 Stores expenses 438.08
 Material & Supplies
 355 ft Pipe, 30" OD steel grade B male API
 std #51 w/ BX EW 3,807.29
 Note: Installed 360 ft of 30" OD
 gas main
 Total Expenditure Item 815.1 4,356.07

815.2 Fittings and line accessories

Labor 646.87
 Payroll taxes 37.62
 Construction indirect 53.53
 Personal expenses 15.50
 Auto hire 79.52
 Rental of compressor 9.00
 Stores expenses 120.30
 Material & Supplies
 20 Bolts, 1"x9" mach w/ hvy GF hex
 nuts 12.54
 # Bolts, 1-1/4"x10" mach w/ sq nuts 1.97
 24 lbs Cable, #10 WF junk 4.46
 100 lbs Cement, #0352 JM insulating 9.00
 56 lbs Cement, rubber MC #981 20.34
 1-1/2 Elbows, 30" OD welding 90° LA X-hvy
 carbon steel w/ minimum yield
 strength of 42,000 PSI Midwest 789.82