

**NATIONAL TRANSPORTATION SAFETY BOARD
OFFICE OF RAILROAD, PIPELINE, AND HAZARDOUS MATERIALS
WASHINGTON, D.C. 20594**

**PACIFIC GAS & ELECTRIC COMPANY
NATURAL GAS TRANSMISSION PIPELINE RUPTURE
SAN BRUNO, CA
SEPTEMBER 9, 2010**

**PUBLIC HEARING
WITNESS LIST**

All witnesses will be asked to state their full name and title and to briefly describe their technical background, duties and responsibilities after they are sworn in.

WITNESSES #1 thru #6:

PG& E Operations Panel

**Mark Kazimirsky, Supervising Gas
Engineer
Pacific Gas & Electric Company (PG&E)**

**Keith Slibsager, Manager, Gas System
Operations
PG&E**

**Chih-hung Lee, Sr. Consulting Gas
Engineer, Risk Management
PG&E**

**Brian Daubin, Sr. Manager, Regulator
Support and Analysis
PG&E**

**Sara Peralta, Integrity Management
Manager
PG&E**

**Edward Salas, Sr. VP Engineering and
Operations
PG&E**

Issues:

- *SCADA (Supervisory Control and Data Acquisition)*
- *Rapid shutdown*
- *Mapping and record keeping*
- *Determination of MAOP (Maximum Allowable Operating Pressure)*
- *Policy Issues*

Exhibits: 2A – 2K, 2M – 2S, 2V – 2Y, 2AB, 2AD, 2AF – 2AI, 2AK – 2AO, 2AQ, 2AR - 2AZ – 2BB, 2BI - 2BK, 2BO, 2BU - 2BV, 2CB, 2CD, 2CH, 2CL, 2CO, 2CR, 2DS – 2ED, 3A, 3B

Questioned by: Matt Nicholson, Ravi Chhatre

WITNESSES #7 thru #9:

PG&E - Integrity Management

**Edward Salas, Sr. VP Engineering and Operations
PG&E**

**Frank Dauby, Supervising Gas Engineering,
PG&E**

**Bob Fassett, Director, Integrity Management and Technical Support
PG&E**

Issues:

- *PG&E's Integrity Management program*
- *Risk management program*
- *Aging infrastructure*
- *Designation of HCA's*
- *Operator self assessment*
- *Inspection program*
- *External corrosion direct assessment (ECDA)*
- *Grandfather clause*
- *In-line Inspection (ILI)*

- *Policy issues*

Exhibits: 2A – 2D, 2O – 2S, 2U, 2Z, 2AB, 2AG – 2AI, 22AU – 2AY, 2BI, 2BU, 2CC, 2CE, 2CK, 2CL, 2DH, 2DK – 2DO, 2DT – 2ED, 3A, 3B

Questioned by: Karl Gunther, Ravi Chhatre

WITNESSES #10 thru #16:

Public Awareness

**Dennis Haag, Fire Chief
City of San Bruno**

**James (Jim) Narva, Executive Director
National Association of State Fire
Marshals (NASFM)**

**Peter Lidiak, Pipeline Director
American Petroleum Institute (API)**

**Terry Boss, Sr. VP Environment Safety
and Operations
Interstate Natural Gas Association of
America (INGAA)**

**Carl Weimer, Executive Director
Pipeline Safety Trust**

**Aaron Rezendez, Sr. Program Manager,
Safety Health and Claims
PG&E**

**Annmarie Robertson, Program Manager
Pipeline and Hazardous Material Safety
Administration (PHMSA)**

Issues:

- *Awareness of emergency responders and the general public about the pipeline location, the hazards of natural gas, and emergency procedures*
- *Industry perspective on compliance with API 1162*

Exhibits: 2B, 2R, 2S, 2BC, 2CY, 2CZ, 2DC, 2DD, 2DQ, 2DR, 4A, 4F – 4Y
Questioned by: Dana Sanzo, Bob Trainor

WITNESSES #17 thru #22:

State and Federal Oversight

**Dennis Lee, Sr. Utilities Engineer,
Supervisor
California Public Utilities Commission
(CPUC)**

**Richard Clark, Director,
Consumer Protection and Safety Division
CPUC**

**Julie Halligan, Deputy Director,
Consumer Protection and Safety Division
CPUC**

**Linda Daugherty, Deputy Associate
Administrator for Policy and Programs
PHMSA**

**Zach Barrett, Director, State Programs
PHMSA**

**Paul Metro, Vice-Chair
National Association of Pipeline Safety
Representatives (NAPSR)**

Issues:

- *Regulatory oversight of the transmission of natural gas*
 - *Resources*
 - *Audit and inspection*
 - *Trend analysis*
 - *Regulatory improvement*
 - *Self assessment*
 - *Integrity management*
 - *Aging infrastructure*

- *Grandfather clause*

Exhibits: 2A, 2C, 2R, 2S, 2AD, 2AG, 2AH, 2AU – 2AW, 2AY, 2BC, 2CC, 2CE, 2CK, 2CN – 2CU, 2DG – 2DQ, 2DT – 2EB, 2ED

Questioned by: Ravi Chhatre, Karl Gunther, Matt Nicholson

WITNESSES #23 thru #29:

Industry Info/New Technology

**Geoff Foremen, Growth and Strategy
Leader
General Electric (GE) Oil and Gas**

**Charles Dippo, VP, Engineering Services
& Systems Integrity, South Jersey Gas
Company
American Gas Association (AGA)**

**Christina Sames, VP, Operations and
Engineering
AGA**

**Fraser Farmer, Owner
Pipelink Associates**

**Robert Smith, Research and Development
Manager
PHMSA**

**Joshua Johnson, Materials Engineer
PHMSA**

**Alan Mayberry, Deputy Associate
Administrator for Field Operations
PHMSA**

Issues:

- *Overview of inspection methodologies*
 - *Hydrostatic*

- *Direct/Indirect Assessment*
- *In-line Inspections*
- *Industry perspective on tradeoffs for different inspection methodologies*
 - *Cost, utility*
 - *Choice of methods*
 - *Criteria for action*
- *PHMSA perspective on tradeoffs for different inspection methodologies*
 - *When is hydrostatic testing required, and why?*
- *State of the art for in-line inspection*
 - *Types of defects searched for*
 - *Detection methods*
 - *Limits of detection*
 - *Gas versus liquid pipelines*
 - *Data collection and tracking*
- *PHMSA research into new technology*
- *Data gathering/benchmarking – Is information shared by operators?*
- *Automatic shutdown*

Exhibits: 2A, 2U, 3A, 3B, 8A – 8E

Questioned by: Frank Zakar, Carl Schultheisz, Mike Budinski, Ravi Chhatre, Bob Trainor