



Evaluation of San Bruno Incident Data

SMAP WORKSHOP

OCTOBER 6, 2015

DRAFT WORK PRODUCT
FOR DISCUSSION PURPOSES ONLY
NOT APPROVED BY MANAGEMENT



DRAFT WORK PRODUCT
FOR DISCUSSION PURPOSES ONLY
NOT APPROVED BY MANAGEMENT

NTSB Report – Data Collected and Relevance to Risk Catastrophic Pipeline Failure - Manufacturing

Data Type	Data	RET	RIBA	TIMP
Pipe Specifications	Manufacturer			✓
	Pipe Grade/Material Properties	✓	✓	✓
	Year of Manufacture			✓
	Seam Type			✓
	Wall Thickness			✓
	MAOP/MOP	✓	✓	✓
Construction, Maintenance and Operations History	Strength Testing History		✓	✓
	Assessment History			✓
	Pressure History			✓
	Leak History		✓*	✓
Location Information	Mile Point			✓
	Address/Intersection/GPS Location			✓
	Class Location	✓	✓	✓
	Additional Relevant Location Information (above/below ground, bridge/railroad/road/water crossing)	✓	✓	✓
Incident Information	Gas Release/Ignition	✓	✓	✓
	Leak/Rupture	✓	✓	✓
Root Cause and Contributing Causes	Probable Cause	✓	✓	✓
	Contributing Factors			✓
Consequence Information	Injuries/Fatalities	✓	✓	✓
	Property Damage	✓	✓	✓

* Data partially considered in risk scoring



DRAFT WORK PRODUCT
FOR DISCUSSION PURPOSES ONLY
NOT APPROVED BY MANAGEMENT

Comparison of NTSB Investigation Data to PHMSA Incident Reporting

Data Type	Data	NTSB Report	PHMSA Report
Pipe Specifications	Manufacturer	✓	✓
	Pipe Grade/Material Properties	✓	✓
	Year of Manufacture	✓	✓
	Seam Type	✓	✓
	Wall Thickness	✓	✓
	MAOP/MOP	✓	✓
Construction, Maintenance and Operations History	Strength Testing History	✓	✓*
	Assessment History	✓	✗
	Pressure History	✓	✗
	Leak History	✓	✓*
Location Information	Mile Point	✓	✓
	Address/Intersection/GPS Location	✓	✓
	Class Location	✓	✓
	Additional Relevant Location Information (above/below ground, bridge/railroad/road/water crossing)	✓	✓
Incident Information	Gas Release/Ignition	✓	✓
	Leak/Rupture	✓	✓
Root Cause and Contributing Causes	Probable Cause	✓	✓
	Contributing Factors	✓	✗
Consequence Information	Injuries/Fatalities	✓	✓
	Property Damage	✓	✓

* Data partially collected