Additional Information Pipeline Incident Cost Data

South Dakota Underground Pipeline Task Force

October 23, 2008

Introduction

- The purpose of this presentation is to present a review of available incident costs for hazardous materials pipelines in South Dakota and Minnesota by material released.
- Follow-up to the general presentation on incident cost data at the September 22, 2008 pipeline task force meeting.

PHMSA Incident Database

- Pipeline incidents included in the dataset are those meeting the following criteria:
  - Those with gross loss greater than 50 barrels or,
  - Those with a fatality or injury requiring in-patient hospitalization or,
  - Those with fire or explosions or,
  - Those with Highly volatile liquid releases with gross loss of more than 5 barrels or,
  - Those involving costs greater than or equal to $50,000
- Cost include all public and private cost associated with the incident (includes cleanup and response costs)

South Dakota Pipeline Incidents 1998 - 2008

- Number of Incidents = 9
- Maximum Incident Cost = $476,430
- Minimum Incident Cost = $36,363
- Average Cost Per Incident = $200,657
- Median Cost Per Incident = $150,000

South Dakota Pipeline Incidents by Material Released

South Dakota Significant Pipeline Incidents (1988 – 2008)

Material	Number of Incidents	Average Incident Cost	Median Incident Cost
Gas	6	$254,039	$187,634
Refined Products	3	$93,894	$48,484

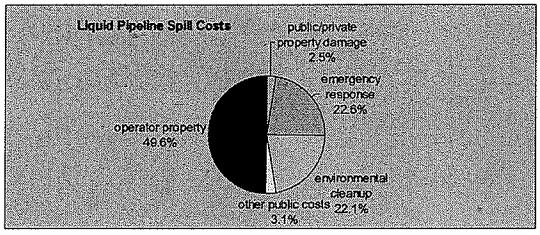
Minnesota Pipeline Incidents 1998 - 2008

- Number of Incidents = 64
- Maximum Incident Cost = $6,302,405
- Minimum Incident Cost = $0
- Average Cost Per Incident = $592,620
- Median Cost Per Incident = $170,996

Minnesota Pipeline Incidents by Material Released

Minnesota Significant Pipeline Incidents (1988 - 2008)			
Material	**Number of Incidents**	**Average Incident Cost**	**Median Incident Cost**
Gas	32	$557,233	$217,613
Refined Products	8	$211,232	$151,000
Crude Oil	22	$828,184	$170,996
Propane	1	-	-
Liquid Natural Gas	1	-	-

Incident Cost Breakdown



Source: PHMSA Incident Database 2002 – 2008 (2,507 records)

Questions?