

## 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

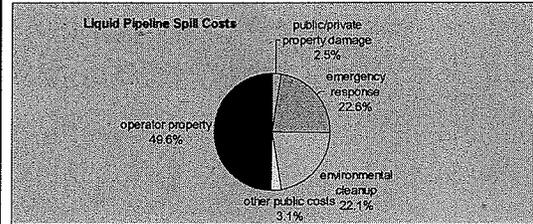
## Minnesota Pipeline Incidents 1998 - 2008

- > 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?