

South Dakota Gas Pipeline Safety Program

2008 Summary



Program Operational Overview

- 2 inspectors at about 50 % each
- 100 inspection days per year
- Complete regulation review once every two years
- Inspection types:
 - Standard
 - Operator Training
 - Construction
 - Drug and Alcohol
 - Public Awareness
 - Operator Qualification
 - Integrity Management

Covered Operators

- Basin Groton CT Pipeline
- Black Hills Power
- Crooks Municipal Gas
- Garretson Municipal Gas
- Humboldt Municipal Gas
- Mid-American Energy
- Montana-Dakota Utilities
- Namanny's Subdivision – master meter
- NorthStar Energy – Pollock – propane
- NorthWestern Energy
- South Dakota Intrastate Pipeline
- Sioux Falls Sanitary Landfill Gas Pipeline
- Watertown Municipal Gas
- Xcel Angus Anson Pipeline

2008 Year End Gas Statistics for South Dakota

- Gas transmission mileage 221
- Gas distribution mileage 5,153
- Number of gas services 205,417

SD Gas Distribution Federal Reportable Incident Summary 1998 – 2008

Year	Number	Fatalities	Injuries	Property Damage
1998	1	0	0	\$90,907
2004	1	0	0	\$110,266
2007	2	0	0	\$696,630
2008	1	0	0	\$150,000

2008 Pierre Town Border Station Incident 2/20/2008

- Description - Leaking gas at the MDU town border station located on Airport Road in Pierre, South Dakota caught on fire at 8:20 am. An MDU employee responded to escaping gas at the relief valve stack. The responding employee opened the door to the regulator station building and was singed when leaking gas from inside the building ignited when the door was opened and the gas reached an ignition source. A utility pig was received at the South Dakota Intrastate Pipeline (SDIP) pig receiving station just prior to the incident
- Injuries/Deaths – none
- Damage: \$150,000
- Probable Cause – flange gasket failure
- Root Cause – Transmission co. pigging process may have contributed to incident
- Violations – none cited
- Resolution – controlled release to recover second pig failed. Second pig came in on cold day without repeat of incident.

South Dakota Small Incidents

- A small incident is defined as a Class 1 leak which results in:
- (1) a loss of service to two or more customers for a duration of two or more hours; or
- (2) the evacuation of a multiple occupancy building or a business; or
- (3) injury of any type (regardless of whether or not it requires in-patient hospitalization); or
- (4) damage to property other than property owned or leased by the operator.
- For purposes of this Section, a Class 1 leak is defined as a leak that could be considered an immediate danger to the public.

2008 Small Incident Summary

# Small Incidents 34	Probable Cause
27	Third party excavation damage
3	Natural Forces
1	Vehicular damage
2	Equipment failure
1	Utility operator error – shut wrong valves

2008 Inspection Days Summary

Facility	Standard	Construction	Incident Investigation	Total
Private	38	12.5	33	83.5
Municipal	18.5			18.5
Master Meter	0.5			0.5
LPG	5			5
Total Dist	62	12.5	33	107.5
Transmission	22.5	3		25.5
Total	84.5	15.5	33	133

Enforcement Statistics

Probable Violations Cited	1
Probable Violations Corrected	1
Probable Violations Outstanding at Year End	0
Warnings Cited	173
Warnings Corrected	89
Warnings Outstanding at Year End	84
Memo: 10 outstanding warnings given till next PA inspection cycle to fix	

2008 Waivers Granted

- Operators: MidAmerican and NorthWestern
- Waiver: Both were permanent waivers of 49 CFR § 192.285 c which states that joiner requalification is required if:
 - Joiner has not made joints in any 12 months
 - Joiner has 3 joints or 3 % fail testing in any 12 months
- Alternate requalification approved in waivers:
 - A person must be requalified under an applicable procedure at least once per calendar year, but at intervals not exceeding 15 months.
 - In addition, if a joiner has 1 joint under the procedure that is found to be unacceptable by testing under 49 C.F.R. 192.513, that person must requalify under that procedure as an initial qualification.

Major Construction Activity

- City of Sioux Falls 11 mile, 12 inch HDPE low pressure landfill gas pipeline from the Sioux Falls Regional Sanitary Landfill to the POET ethanol plant near Chancellor, SD.
- Classified as transmission
- 51 psi MAOP

Inspector Training To Date

- Nathan: all 6 required courses plus 3 electives
- Stacy: 4 of 6 required courses. Remaining 2 this year

2008 Highlights

- Completed investigation of 2007 Mitchell incident
- Completed investigation of 2008 Pierre TBS incident
- Instituted new inspection reporting and tracking system
- Added new inspector