

2018 Gas Pipeline Safety Seminar
Delaware Technical Community College
Terry Campus, Dover, DE
December 13, 2018

State of Delaware
Public Service Commission

DE PSC Regulated Natural Gas Pipeline Operators in Delaware

- Delmarva Power (Natural Gas)- Trans. & Distribution
- Chesapeake Utilities (Natural Gas)
- Elkton Gas Service (Natural Gas)- No DE Customers
- Cherry Island Renewable Energy (Landfill Gas)-
Transmission by 49 CFR 192.3 Definition

Liquefied Natural Gas Facilities

- Delmarva Power

Other DE PSC Regulated Systems

- Master Meter Operators (9)
 - 13 Inspection Sites
- Propane Operators (14)
 - 106 Inspection Sites

Who DE PSC DOES NOT Regulate

- Interstate Transmission Pipelines
(e.g., Eastern Shore Natural Gas)
- Hazardous Liquid Pipelines
(Interstate nor Intrastate)
- Some Propane Operators
(Those w/ systems serving <10 Customers and not in a public space-
49 CFR 192.1(5))

Delaware Public Service Commission Staff

- One Program Manager
 - Jerry Platt
- Two Inspectors
 - Bob Schaeffgen
 - Chavis Bianco
- Misc. Professional, Administrative, and Clerical Staff that contribute to the Pipeline Safety Program

CY2017 Inspection Summary

Operator Type	No. of Operators	Inspection Units	Inspection Person-Days	Inspections
Distribution				
Private	3	4	145.5	244
Master Meter	9	13	8	20
LPG	14	106	32	120
LNG	1	1	1	1
Transmission				
Intrastate	2	2	2	7
Totals			188.5	392

Breakdown of Inspection Days

Attachment 2 - State Inspection Activity

TOTAL STATE FIELD INSPECTION ACTIVITY AS OF DECEMBER 31, 2017

Operator Type	Standard Comprehensive	Design, Testing and Construction	On-Site Operator Training	Integrity Management	Operator Qualification	Investigating Incidents or Accidents	Damage Prevention Activities	Compliance Follow-up	Total
Distribution									
Private	22.8	119.5	0	0	2.7	0	0	0.5	145.5
Municipal	0	0	0	0	0	0	0	0	0
Master Meter	5.17	0	0	0.25	2.58	0	0	0	8
LPG	24.61	0	0	1	2.39	0	0	4	32
Other	0	0	0	0	0	0	0	0	0
Transmission									
Intrastate	1.75	0	0	0	0.25	0	0	0	2
Interstate	0	0	0	0	0	0	0	0	0
LNG									
Intrastate	1	0	0	0	0	0	0	0	1
Interstate	0	0	0	0	0	0	0	0	0
Other									
Gathering Lines	0	0	0	0	0	0	0	0	0
Offshore Facilities	0	0	0	0	0	0	0	0	0
Total	55.33	119.5	0	1.25	7.92	0	0	4.5	188.5

Drug and Alcohol

Total Count of Drug and Alcohol Inspections

4

Attachment 2 Notes

Violations & Compliance Actions

Year	Compliance Actions	No. of NOPV's	Civil Penalties Assessed
2009	0	0	\$0
2010*	2	7	\$0
2011	1	2	\$0
2015	7	17	\$19,400
2016	3	10	\$6500**
2017	3	22	\$23,000

* DE became a Certification State

** Civil Penalty for one Compliance Action is still TBD

49 CFR §190.236

Emergency Orders

Site Description

The site consists of coated 3", 2" and 1 1/4" steel main.

The site consists of coated 1" steel service line.

Test Procedures

The underground portion of the gas distribution piping was tested for the presence of propane vapor, which indicates leaking gas. Leak detection was performed using a Sensit Gold CGI reader/tester, by placing the tube in a bar hole. The bar holes were driven on 10', no more than 15' centers.

Test Results

There was a lot of indication of a failing system. The presence of propane vapor in the ground was found over the entire system. A leak at unit 5305 was repaired, since the propane reading/test was at an 85% level. There have been numerous leaks found and repaired. After looking at the uncovered pipe the indication is that the piping had been a long time without cathodic protection. There are numerous indications of corrosion and severe electrolysis working on the pipe. A lot of pipe that was uncovered was coated by roofing mastic that has failed (this was an old construction procedure). **I believe that the system to be unsafe.**

My recommendation is that a plan be formulated to replace the system; to re-pipe as soon as possible.

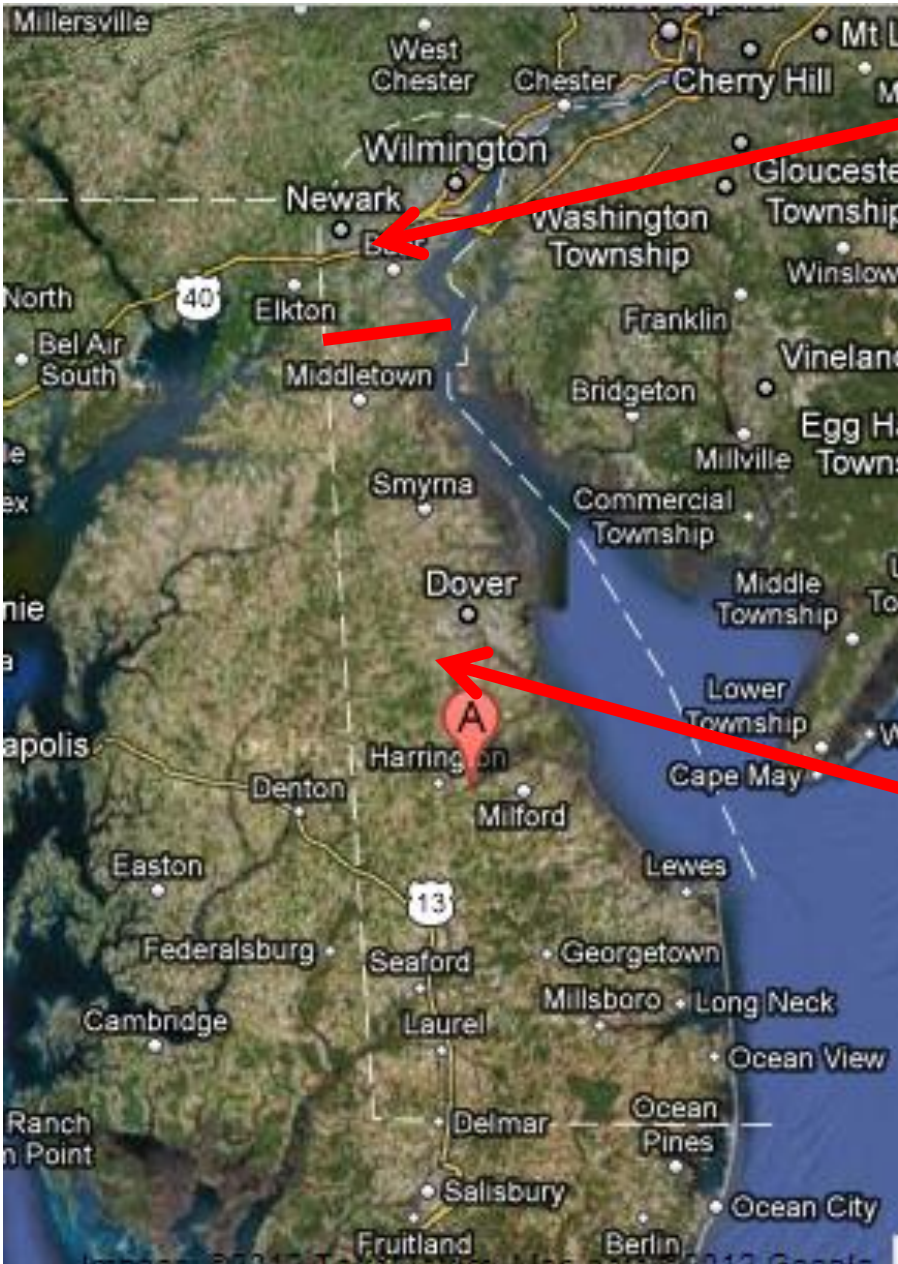
Imminent Hazard



2018 Enforcement Actions

- So far in 2018, DE PSC has issued 4 Compliance Actions containing a total of 21 Violations cited. The Civil Penalties assessed for these are \$42,000.
- One of the Compliance Actions issued in 2018 was a Written Warning to a MMO citing 9 Violations but assessing no Civil Penalties at this point.

Natural Gas Distribution Companies



Delmarva Service Territory
126,084 Services

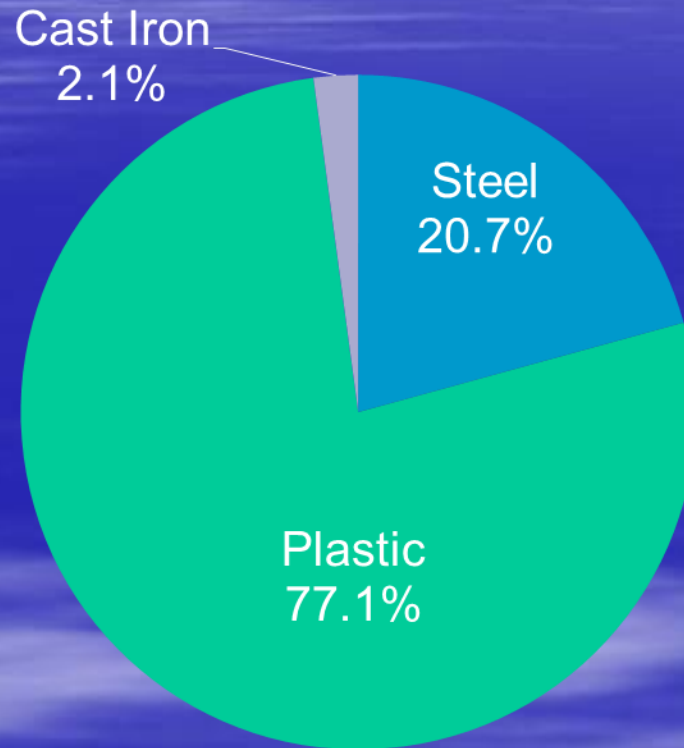
Chesapeake Service Territory
54,964 Services

Main Lines

(2017 End-of-Year Data)

- 3093 miles of Main Lines
 - 176 mile (6%) Increase from 2014 EOY
- 24.5 miles is unprotected steel (bare & coated)
 - 10.4 mile (29.8%) Decrease from 2014 EOY
- 65.4 miles is cast/wrought iron
 - 16.8 mile (20.4%) Decrease from 2014 EOY
- 238.6 miles is pre-1960 (over 55 years old)
 - 23.1 mile (8.8%) Decrease from 2014 EOY

Transmission/Main Materials



Service Lines

(2017 End of Year Data)

- 181,048 total service pipelines
 - 13,703 (8.2%) Increase from 2014 EOY
- 11,407 are unprotected steel (bare & coated)
 - 2077 (15.4%) Decrease from 2014 EOY
- 0 cast iron services

Damage Prevention

- Law change signed by Gov. Carney on 8/29/18
- Main changes:
 - Enforcement authority is “shared” by the DE Public Service Commission and the Attorney General
 - Mandatory reporting of damages by facility operators
 - Pipeline operators must report all damages as soon as practicable
 - All other facility operators must report damages exceeding \$3000 as soon as practicable
 - Anyone can report a violation of the “Act” to DE PSC

Violation Reporting

<https://dep.sc.delaware.gov/>

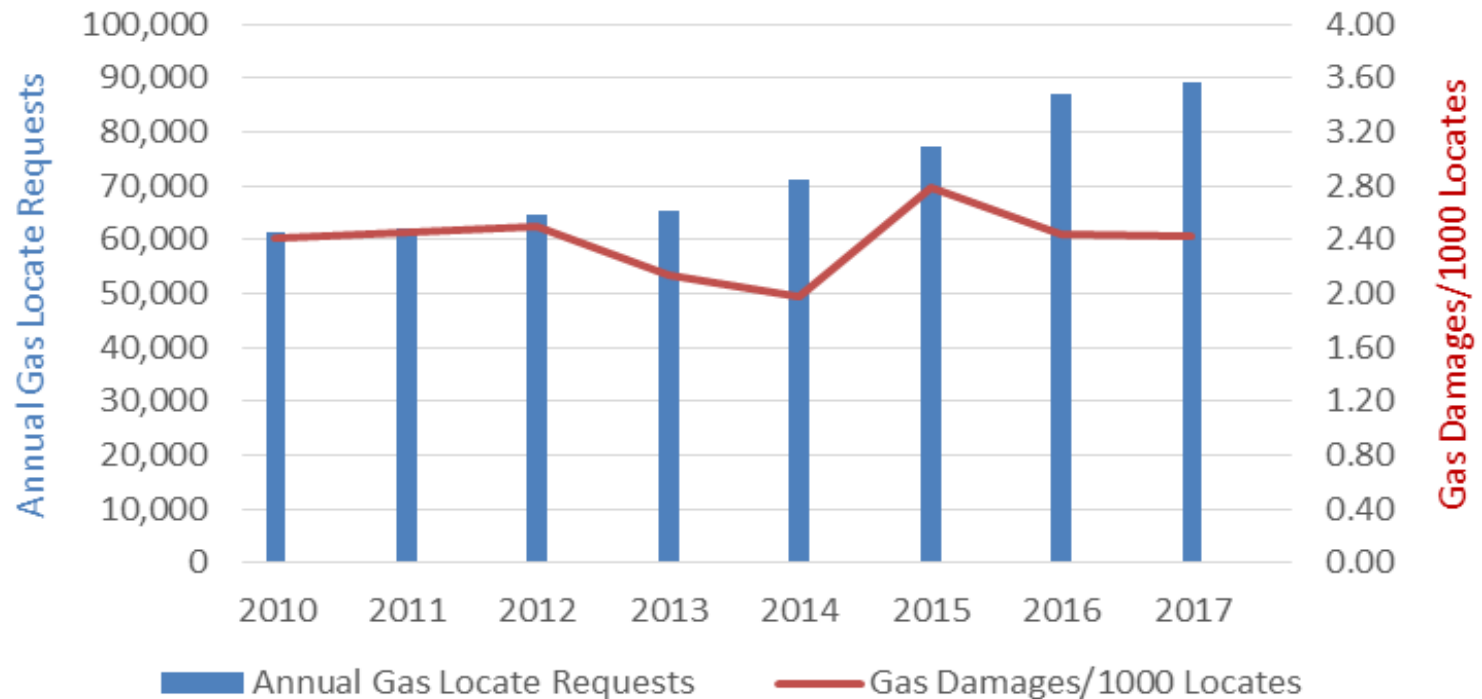
Contains forms for:

Reporting of facility damage by an Operator
or

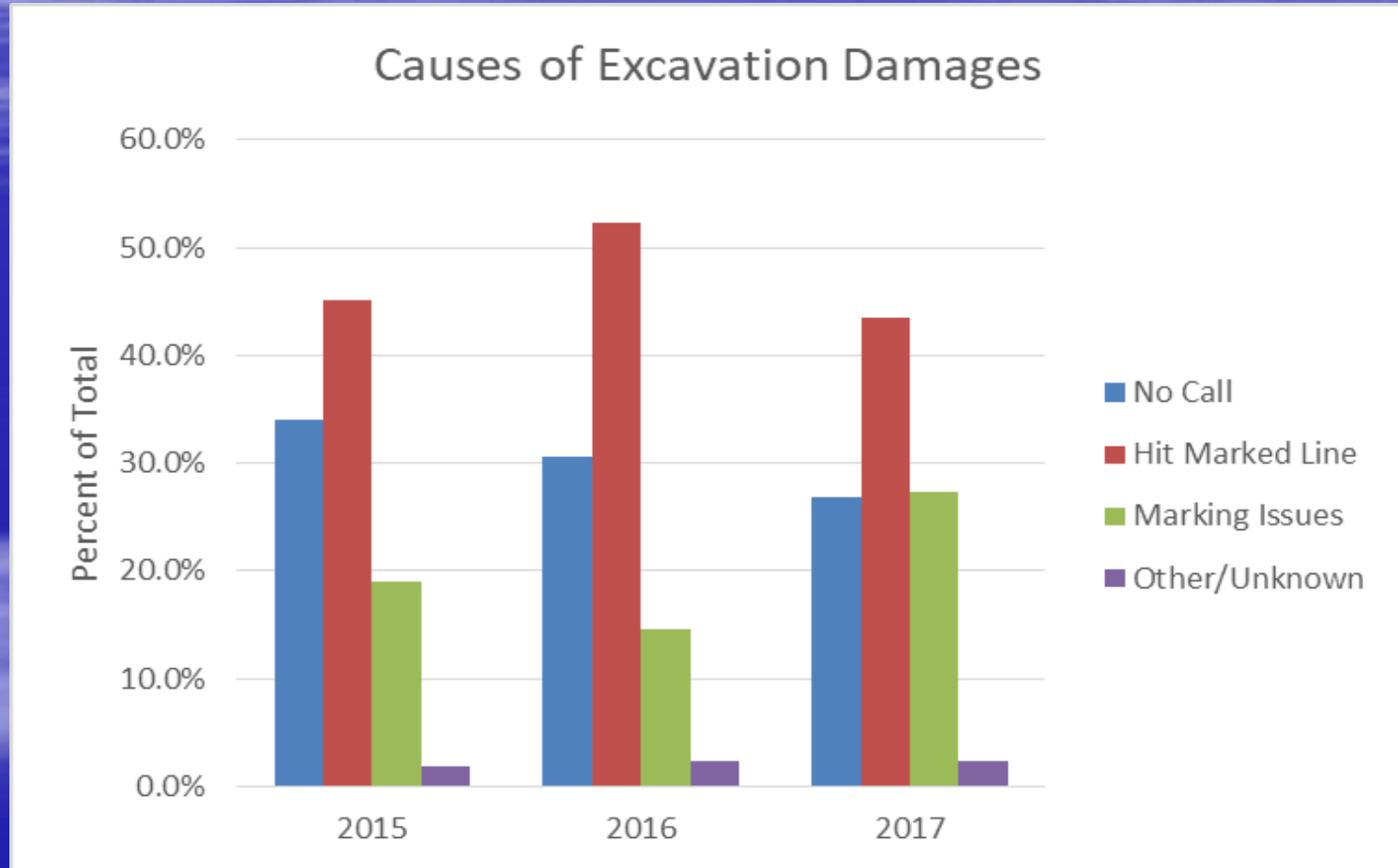
Reporting a violation of the “Act” by all others

Damage Statistics

Excavation Damages



Damage Statistics



The End

Questions?