U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration

## 2016 Gas State Program Evaluation

for

## MAINE PUBLIC UTILITIES COMMISSION

## Document Legend PART:

- O -- Representative Date and Title Information
- A -- Progress Report and Program Documentation Review
- B -- Program Inspection Procedures
- C -- Program Performance
- D -- Compliance Activities
- E -- Incident Investigations
- F -- Damage Prevention
- G -- Field Inspections
- H -- Interstate Agent State (If Applicable)
- I -- 60106 Agreement State (If Applicable)



# 2016 Gas State Program Evaluation -- CY 2016 Gas

State Agency: Maine Rating:

Agency Status: 60105(a): Yes 60106(a): No Interstate Agent: No

**Date of Visit:** 08/01/2017 - 08/03/2017

Agency Representative: Gary Kenney, Gas Safety Manager

PHMSA Representative: Don Martin

Commission Chairman to whom follow up letter is to be sent:

Name/Title: Mark Vannoy, Chairman

**Agency:** Maine Public Utilities Commission

Address: State House Station 18
City/State/Zip: Augusta, Maine 04333-0018

### **INSTRUCTIONS:**

Complete this evaluation in accordance with the Procedures for Evaluating State Pipeline Safety Program. The evaluation should generally reflect state program performance during CY 2016 (not the status of performance at the time of the evaluation). All items for which criteria have not been established should be answered based on the PHMSA representative's judgment. A deficiency in any one part of a multiple part question should be scored as needs improvement. Determine the answer to the question then select the appropriate point value. If a state receives less then the maximum points, include a brief explanation in the space provided for general comments/regional observations. If a question is not applicable to a state, select NA. Please ensure all responses are COMPLETE and ACCURATE, and OBJECTIVELY reflect state program performance. Increasing emphasis is being placed on performance. This evaluation together with selected factors reported in the state's annual progress report attachments provide the basis for determining the state's pipeline safety grant allocation.

### Field Inspection (PART G):

The field inspection form used will allow different areas of emphasis to be considered for each question. Question 13 is provided for scoring field observation areas. In completing PART G, the PHMSA representative should include a written summary which thoroughly documents the inspection.

#### **Scoring Summary**

<b>PARTS</b>		<b>Possible Points</b>	<b>Points Score</b>
A	Progress Report and Program Documentation Review	10	10
В	Program Inspection Procedures	13	13
C	Program Performance	48	48
D	Compliance Activities	15	15
E	Incident Investigations	5	5
F	Damage Prevention	8	8
G	Field Inspections	12	12
Н	Interstate Agent State (If Applicable)	0	0
I	60106 Agreement State (If Applicable)	0	0
TOTAL	L <b>S</b>	111	111
PARTS A B C D E F G H I TOTAl	lating		100.0

DADEC

# PART A - Progress Report and Program Documentation Review

Points(MAX) Score

1

Accuracy of Jurisdictional Authority and Operator/Inspection Units Data - Progress 1
Report Attachment 1

Yes = 1 No = 0 Needs Improvement = .5

**Evaluator Notes:** 

The operator information in the Pipeline Data Mart and office records were reviewed and compared to the summary information in Attachment 1. No inaccuracies were found.

Review of Inspection Days for accuracy - Progress Report Attachment 2

Yes = 1 No = 0 Needs Improvement = .5

**Evaluator Notes:** 

The spreadsheet on inspection person-days and inspection records were reviewed. The MPUC's spreadsheet on inspection activities supported the entries on Attachment 2. No inaccuracies were found.

3 Accuracy verification of Operators and Operators Inspection Units in State - Progress 1
Report Attachment 3
Yes = 1 No = 0 Needs Improvement = .5

**Evaluator Notes:** 

The inspection units totaled on Attachment 1 matched the totals on Attachment 3. The unit information by operator was supported by MPUC documentation.

Were all federally reportable incident reports listed and information correct? - Progress 1 1 Report Attachment 4

Yes = 1 No = 0 Needs Improvement = .5

**Evaluator Notes:** 

There were no incidents listed in Attachment 4. A search in the Pipeline Data Mart did not show any incidents for Maine in CY2016.

5 Accuracy verification of Compliance Activities - Progress Report Attachment 5

Yes = 1 No = 0 Needs Improvement = .5

**Evaluator Notes:** 

No accuracy issues were found. Compliance information was supported by MPUC documents.

6 Were pipeline program files well-organized and accessible? - Progress Report 2 Attachment 6
Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

No improvement issues identified from a review of the MPUC hard copy files. The MPUC maintains most files list in Attachment 6 in electronic files. No issues with electronic files.

Was employee listing and completed training accurate and complete? - Progress Report 1
Attachment 7
Yes = 1 No = 0 Needs Improvement = .5

**Evaluator Notes:** 

No issues were identified with listing of employees. Training records were downloaded from PHMSA Training and Oualifications SABA database.

**8** Verification of Part 192,193,198,199 Rules and Amendments - Progress Report 1 1 1 Attachment 8

Yes = 1 No = 0 Needs Improvement = .5

**Evaluator Notes:** 

A review of state statutes or commission rules was consistent with the information entered on Attachment 8.

9 List of Planned Performance - Did state describe accomplishments on Progress Report in detail - Progress Report Attachment 10 Yes = 1 No = 0 Needs Improvement = .5

1

**Evaluator Notes:** 

There was adequate detail of the MPUC's program in Attachment 10. No improvements were noted.

10 General Comments: Info Only = No Points Info OnlyInfo Only

**Evaluator Notes:** 

The MPUC has generally complied with the requirements of Part A of this evaluation.

Total points scored for this section: 10 Total possible points for this section: 10



- Standard Inspection procedures should give guidance to state inspectors that insure consistency in all inspections conducted by the state? The following elements should be addressed at a minimum pre-inspection activities, inspection activities, post-inspection activities.
- 2 2

Yes = 2 No = 0 Needs Improvement = 1

#### **Evaluator Notes:**

Appendix C, Section C, of the MPUC Gas Safety Program Procedures includes the general Pre-Inspection, Inspection, and Post Inspection Activities which are incorporated for all inspection types. Appendix C also contains a listing of the inspection types, including Standard Inspections, and the frequency for conducting the inspections.

- 2 IMP and DIMP Inspection procedures should give guidance to state inspectors that insure consistency in all inspections conducted by the state? The following elements should be addressed at a minimum pre-inspection activities, inspection activities, post-inspection activities.
- Į.

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Yes = 1 No = 0 Needs Improvement = .5

#### **Evaluator Notes:**

Appendix C, Section C, of the MPUC Gas Safety Program Procedures includes the general Pre-Inspection, Inspection, and Post Inspection Activities which are incorporated for all inspection types. Appendix C also contains a listing of the inspection types, including IMP and DIMP Inspections, and the frequency for conducting the inspections.

- 3 OQ Inspection procedures should give guidance to state inspectors that insure consistency in all inspections conducted by the state? The following elements should be addressed at a minimum - pre-inspection activities, inspection activities, post-inspection activities.
- 1 1

Yes = 1 No = 0 Needs Improvement = .5

#### **Evaluator Notes:**

Appendix C, Section C, of the MPUC Gas Safety Program Procedures includes the general Pre-Inspection, Inspection, and Post Inspection Activities which are incorporated for all inspection types. Appendix C also contains a listing of the inspection types, including OQ Inspections, and the frequency for conducting the inspections.

- Damage Prevention Inspection procedures should give guidance to state inspectors that insure consistency in all inspections conducted by the state? The following elements should be addressed at a minimum pre-inspection activities, inspection activities, post-inspection activities.
- 1

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Yes = 1 No = 0 Needs Improvement = .5

#### **Evaluator Notes:**

Appendix C, Section C, of the MPUC Gas Safety Program Procedures includes the general Pre-Inspection, Inspection, and Post Inspection Activities which are incorporated for all inspection types. Appendix C also contains a listing of the inspection types, including Damage Prevention Inspections, and the frequency for conducting the inspections. Damage Prevention inspections are also conducted by the MPUC Damage Prevention Staff per the Chapter 895 Rule.

- 5 Any operator training conducted should be outlined and appropriately documented as needed.
- 1 1

Yes = 1 No = 0 Needs Improvement = .5

#### **Evaluator Notes:**

Seminars are conducted annually in conjunction with TQ and are reference in Section 9 of the MPUC Gas Safety Program Procedures, as well as included on the annual inspection plan (see Attachment 1 to Appendix C of the Procedures). The MAINE PUC hosted a seminar in 2016.

6 Construction Inspection procedures should give guidance to state inspectors that insure consistency in all inspections conducted by the state? The following elements should be addressed at a minimum - pre-inspection activities, inspection activities, post-inspection activities.

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Yes = 1 No = 0 Needs Improvement = .5

**Evaluator Notes:** 

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Appendix C, Section C, of the MPUC Gas Safety Program Procedures includes the general Pre-Inspection, Inspection, and Post Inspection Activities which are incorporated for all inspection types. Appendix C also contains a listing of the inspection types, including Construction Inspections, and the frequency for conducting the inspections. The MPUC has a rule whereby operators must notify the MPUC of construction activity on a weekly basis.

7	u	oes inspection plan address inspection priorities of each operator, and if necessary each nit, based on the following elements?  es = 6 No = 0 Needs Improvement = 1-5	6		6
	a.	Length of time since last inspection (Within five year interval)	Yes •	No 🔘	Needs Improvement
	b. co	Operating history of operator/unit and/or location (includes leakage, incident and mpliance activities)	Yes •	No 🔾	Needs Improvement
	c.	Type of activity being undertaken by operators (i.e. construction)	Yes 💿	No 🔾	Needs Improvement
	d. are	Locations of operators inspection units being inspected - (HCA's, Geographic as, Population Density, etc)	Yes •	No 🔾	Needs Improvement
	e. Da	Process to identify high-risk inspection units that includes all threats - (Excavation mage, Corrosion, Natural Forces, Outside Forces, Material and Welds, Equipment, terators and any Other Factors)	Yes •	No 🔾	Needs Improvement
	f.	Are inspection units broken down appropriately?	Yes •	No 🔘	Needs Improvement
(	Section discusse	otes: cess for developing the inspection plan is located in Appendix C of the MPUC Gas Safe A of Appendix C provides the background and foundation of the inspection program. So so both planned and risk-based inspections, including the elements considered when plantix A of the Procedures includes a breakdown of inspection units.	ection B	of the A	ppendix
8		eneral Comments:  If Only = No Points	Info Onl	yInfo Or	nly
	uator No The MP	otes: UC has generally complied with the requirements of Part B of this evaluation.			

Total points scored for this section: 13 Total possible points for this section: 13



1	Was ratio of Total Inspection person-days to total person days acceptable? (Director of State Programs may modify with just cause) Chapter 4.3 $Yes = 5 No = 0$	5		5
	A. Total Inspection Person Days (Attachment 2): 237.00			
	B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7): $220 \times 2.50 = 550.00$			
	Ratio: A / B 237.00 / 550.00 = 0.43			
	If Ratio >= 0.38 Then Points = 5, If Ratio < 0.38 Then Points = 0 Points = 5			
Evaluato Yes	r Notes: the MPUC's ration of 0.43 exceeded the minimum ratio of 0.38.			
2	Has each inspector and program manager fulfilled the T Q Training Requirements? (See Guidelines Appendix C for requirements) Chapter 4.4 Yes = 5 No = 0 Needs Improvement = 1-4	5		5
	a. Completion of Required OQ Training before conducting inspection as lead?	Yes 💿	No 🔾	Needs Improvement
	b. Completion of Required DIMP*/IMP Training before conducting inspection as lead? *Effective Evaluation CY2013	Yes •	No 🔾	Needs Improvement
	c. Root Cause Training by at least one inspector/program manager	Yes 💿	No 🔾	Needs Improvement
	d. Note any outside training completed	Yes 💿	No 🔾	Needs Improvement
D 1 /	e. Verify inspector has obtained minimum qualifications to lead any applicable standard inspection as the lead inspector.	Yes •	No 🔾	Needs Improvement
Evaluato A re	r Notes: view of training and inspection records was conducted. Items a. through e. were found to b	e satisfac	ctory.	
3	Did state records and discussions with state pipeline safety program manager indicate adequate knowledge of PHMSA program and regulations? Chapter 4.1,8.1 Yes = 2 No = 0 Needs Improvement = 1	2	:	2
	•	nts for St	ate Pipel	ine Safety
4	Did state respond to Chairman's letter on previous evaluation within 60 days and correct or address any noted deficiencies? (If necessary) Chapter 8.1 Yes = 2 No = 0 Needs Improvement = 1	2		2
	r Notes: MPUC Chairman responded in 47 days. The MPUC's response was acceptable in its stated ditions of a special permit granted to Unitil.	l actions	to follow	-up on the
5	Did State conduct or participate in pipeline safety training session or seminar in Past 3 Years? Chapter 8.5 $Yes = 1 No = 0$	1		1
Evaluato				
Octo	ober 2016 was the last seminar hosted by the MPUC. The previous seminar was conducted	in 2015.		
6	Did state inspect all types of operators and inspection units in accordance with time intervals established in written procedures? Chapter 5.1 Yes = 5 No = 0 Needs Improvement = 1-4	5		5

Evaluator Notes:

Upon a review of the MPUC's documentation there were no instances found where the MPUC did not meet the requirements covered by this evaluation question.

Did inspection form(s) cover all applicable code requirements addressed on Federal Inspection form(s)? Did State complete all applicable portions of inspection forms? Chapter 5.1

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Yes = 2 No = 0 Needs Improvement = 1

**Evaluator Notes:** 

Created a standard field inspection form for LP operators. Inspection Assistant (IA) forms are used for all other operators and inspection types except for Drug and Alcohol (D&A) Programs. Form 13 is used for D&A.

Did the state review operator procedures for determining if exposed cast iron pipe was examined for evidence of graphitization and if necessary remedial action was taken? (NTSB) Chapter 5.1

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Yes = 1 No = 0

Evaluator Notes:

One operator has cast iron pipe in its system. The operator has a procedure to investigate for graphitization and a place on its exposed main documentation to verify their inspection results.

Did the state review operator procedures for surveillance of cast iron pipelines, including appropriate action resulting from tracking circumferential cracking failures, study of leakage history, or other unusual operating maintenance condition? (Note: See GPTC Appendix G-18 for guidance) (NTSB) Chapter 5.1

Yes = 1 No = 0

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**Evaluator Notes:** 

The MPUC utilizes the IA system for its inspection. IA question sets include this question and concern.

Did the state review operator emergency response procedures for leaks caused by excavation damage near buildings and determine whether the procedures adequately address the possibility of multiple leaks and underground migration of gas into nearby buildings Refer to 4/12/01 letter from PHMSA in response to NTSB recommendation P-00-20 and P-00-21? (NTSB) Chapter 5.1 Yes = 1 No = 0

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Evaluator Notes:

The MPUC utilizes the IA system for its inspection. IA question sets include this question and concern.

Did the state review operator records of previous accidents and failures including reported third party damage and leak response to ensure appropriate operator response as required by 192.617? Chapter 5.1

timely manner? This includes replies to Operator notifications into IMDB database.

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Yes = 1 No = 0

**Evaluator Notes:** 

The MPUC utilizes the IA system for its inspection documentation. IA question sets include this question and concern. Upon a review of randomly selected inspection reports this item was completed on the inspection forms.

Has the state reviewed Operator Annual reports, along with Incident/Accident reports, for 2 accuracy and analyzed data for trends and operator issues?

Yes = 2 No = 0 Needs Improvement = 1

**Evaluator Notes:** 

The annual reports are reviewed for trends regarding cast iron and unprotected steel pipe (only one operator has them), mains and services, leaks, damages, and unaccounted for gas. There were no incidents or accidents in 2016 which required reporting under part 191

under part 191.

13 Did state input all applicable OQ, DIMP/IMP inspection results into federal database in a 2 2

Chapter 5.1 Yes = 2 No = 0 Needs Improvement = 1



#### **Evaluator Notes:**

The MPUC utilizes PHMSA's IA inspection system to capture inspection results. Uploading to other databases is not required when using IA.

Has state confirmed intrastate transmission operators have submitted information into NPMS database along with changes made after original submission?

Yes = 1 No = 0 Needs Improvement = .5

1

**Evaluator Notes:** 

The NPMS Public Viewer has been verified for Bangor Gas, Maine Natural Gas, Summit Natural Gas, and Woodland Pulp. Utilicorp is supplied by an interstate system.

15 Is the state verifying operators are conducting drug and alcohol tests as required by regulations? This should include verifying positive tests are responded to in accordance with program. 49 CFR 199

2 2

Yes = 2 No = 0 Needs Improvement = 1

**Evaluator Notes:** 

In 2014 the Program Manager performed inspections to verify that Summit's, MNG's, and Unitil's Contractors were included in the Drug and Alcohol plan and inspected the Drug and Alcohol program for Woodland Pulp, LLC. All natural gas operators were inspected for Drug & Alcohol compliance in 2013 utilizing PHMSA Form 13. Summit and Bangor Gas were inspected again in 2016 using Form 13. MNG and Unitil will be inspected in 2017 using Form 13.

Is state verifying operators OQ programs are up to date? This should include verification of any plan updates and that persons performing covered tasks (including contractors) are properly qualified and requalified at intervals determined in the operators plan. 49 CFR 192 Part N

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Yes = 2 No = 0 Needs Improvement = 1

**Evaluator Notes:** 

MPUC Rule Chapter 420 ? 7.D.1.d requires that natural gas operators submit their OQ plans to the MPUC annually. The qualification of the operator's and contractor's personnel is verified each time tasks are observed during inspections. If the records are not available at the time of the inspection, they are either requested from the operator or obtained from the appropriate database.

Is state verifying operator's gas transmission integrity management programs (IMP) are up to date? This should include a previous review of IMP plan, along with monitoring progress on operator tests and remedial actions. In addition, the review should take in to account program review and updates of operators plan(s). (Are the State's largest operators programs being contacted or reviewed annually?). 49 CFR 192 Subpart 0 Yes = 2 No = 0 Needs Improvement = 1

2

2

**Evaluator Notes:** 

The IMP records of Summit were reviewed in 2016.

Is state verifying operator's gas distribution integrity management Programs (DIMP)? This should include a review of DIMP plans, along with monitoring progress. In addition, the review should take in to account program review and updates of operators plan(s). (Are the State's largest operators programs being contacted or reviewed annually?). 49 CFR 192 Subpart P DIMP? First round of program inspections should have been complete by December 2014

Yes = 2 No = 0 Needs Improvement = 1

2

**Evaluator Notes:** 

The DIMP plans of all LP operators were reviewed in 2014. Summit Natural Gas' distribution system went in service in 2014 and their DIMP plan was inspected in 2015. The DIMP plans of the other utilities have been inspected as follows:

- ? Bangor Gas ? 2014 and 2016.
- ? Maine Natural Gas? 2013 and 2016.
- ? Unitil? 2012 and 2016.



Is state verifying operators Public Awareness programs are up to date and being

conducted every four years by operators. 49 CFR 192.616

? Woodland Pulp: 2015 with 2016 review of 2015 stakeholder surveys

The following are the years of the most recent Public Awareness inspections:

Yes = 2 No = 0 Needs Improvement = 1

? Maine Natural Gas: 2013 and scheduled for 2017

? Bangor Gas: 2013 & 2016

? Summit Natural Gas: 2015 ? Unitil: 2012 & 2016

followed. State should also verify operators have evaluated Public Awareness programs for effectiveness as described in RP1162. PAPEI Effectiveness Inspections should have been completed by December 2013. PAPEI Effectiveness Inspections should be

Does the state have a mechanism for communicating with stakeholders - other than state



19

**Evaluator Notes:** 

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of portions of Unitil's natural gas distribution system in 2014 via Docket 2011-00360. Its conditions are monitored through correspondence with the Operator, reporting by the Operator, and periodic inspections.

25	Did the state attend the National NAPSR Board of Directors Meeting in CY being
	evaluated?

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Evaluator Notes:

Yes, Gary Kenney attended the NAPSR Meeting in Indianapolis during 2016. He was elected National Secretary.

Discussion on State Program Performance Metrics found on Stakeholder Communication
 site - http://primis.phmsa.dot.gov/comm/states.htm
 No = 0 Needs Improvement = 1 Yes = 2

a. Discussion of Potential Accelerated Actions (AA's) based on any negative trends

Yes 
No Needs Improvement Needs Improvement Improvement

b. NTSB P-11-20 Meaningful Metrics

 $N_0 = 0$  Needs Improvement = .5 Yes = 1

#### **Evaluator Notes:**

- 1. Damage Prevention Program: The gas distribution damages per 1,000 tickets rose slightly from 2014 to 2015 (1.543 to 1.860). This, and the increase to 2.605, for 2016, is primarily due to old and inadequately documented facilities of Unitil. This is being monitored and the situation is expected to improve as cast iron and bare steel are replaced.
- 2. Inspection Activity:
- a. Gas Pipelines: The Inspection Days per 1,000 miles of pipeline is trending upward. No modifications are warranted.
- b. LPG Units: This metric fluctuates with the number of facilities inspected per year and the number of O&M and other inspections conducted. No corrective action is required.3. Inspector Qualification: No change is necessary regarding the training and qualification of Inspectors.
- 4. Leak Management: The leaks repaired are up slightly in 2015 from 2014. However, the numbers for 2015 were still significantly less than for 2013. With the exception of continued monitoring, no action is warranted at this time. The number of leaks repaired annually is expected to decrease as cast iron and bare steel are replaced.
- 5. Enforcement (PHMSA's Evaluations): No actions are necessary, other than to continue to strive for perfect scores.
- 6. Incident Investigation: There have been no recent incidents. No action is necessary, other than to continue to inspect Emergency Response plans.
- 27 Discussion with State on accuracy of inspection day information submitted into State Info OnlyInfo Only Inspection Day Calculation Tool. (No points)
  Info Only = No Points

#### **Evaluator Notes:**

The information entered into the tool appeared reasonable based on previous inspection data. The results do require a higher level of inspection person-days than the previous formula. At this time it appears that the existing staffing level can achieve the number of required inspection person days. In the past, the MPUC substantially exceeded the inspection person-days calculated by the previous formula. CY2016 is a good example.

Did the State verify Operators took appropriate action regarding Pipeline Flow Reversals, Info Only Product Changes and Conversions to Service? See ADP-2014-04 (No Points) Info Only = No Points

#### **Evaluator Notes:**

Pipeline Flow Reversals have not occurred. In 2013, Bangor Gas began rehabilitating a portion of a former US Air Force jet fuel pipeline, abandoned for several years, for use as a natural gas pipeline. The MPUC has conducted numerous inspections on this segment of pipeline.

**29** General Comments:

Info OnlyInfo Only

Info Only = No Points

Evaluator Notes

The MPUC has generally complied with the requirements of Part C of this evaluation.

Total points scored for this section: 48 Total possible points for this section: 48



1	Does the state have written procedures to identify steps to be taken from the discovery to resolution of a probable violation? Chapter 5.1	4		4
	Yes = 4 No = 0 Needs Improvement = 1-3  a. Procedures to notify an operator (company officer) when a noncompliance is identified	Yes •	No 🔘	Needs Improvement
	b. Procedures to routinely review progress of compliance actions to prevent delays or breakdowns	Yes •	No 🔾	Needs Improvement
	c. Procedures regarding closing outstanding probable violations	Yes 💿	No 🔘	Needs Improvement
Ap	or Notes: pendix D of the MPUC Gas Safety Program Procedures addresses compliance action procedu npany officers and compliance tracking and follow-up (including process to close probable vi	-	_	
2	Did the state follow compliance procedures (from discovery to resolution) and adequately document all probable violations, including what resolution or further course of action is needed to gain compliance? Chapter 5.1  Yes = 4 No = 0 Needs Improvement = 1-3	4		4
	a. Were compliance actions sent to company officer or manager/board member if municipal/government system?	Yes 💿	No 🔘	Needs Improvement
	b. Document probable violations	Yes 💿	No 🔾	Needs Improvement
	c. Resolve probable violations	Yes 💿	No 🔾	Needs Improvement
	d. Routinely review progress of probable violations	Yes •	No 🔾	Needs Improvement
	e. Were applicable civil penalties outlined in correspondence with operator(s)	Yes •	No 🔾	Needs Improvement
	Did the state issue compliance actions for all probable violations discovered?		ere avail	
Up not	Yes = 2 No = 0 Needs Improvement = 1 or Notes: on a review of randomly selected inspection reports completed during 2016 no instances were issue a compliance action for a probable violation. Compliance actions may include both intension conducted in accordance with MPUC Gas Safety Program Procedures, Appendix D.			
4	Did compliance actions give reasonable due process to all parties? Including "show cause" hearing if necessary. Yes = $2 \text{ No} = 0$	2		2
	or Notes:	••		
Saf	erators are afforded multiple opportunities to respond to compliance actions through mechanical Program Procedures as well as the MPUC Rule Chapters 420 and 421. No show cause he PUC or an operator in 2016.			
5	Is the program manager familiar with state process for imposing civil penalties? Were civil penalties considered for repeat violations (with severity consideration) or violations resulting in incidents/accidents? (describe any actions taken)  Yes = 2 No = 0 Needs Improvement = 1	2		2
Ye	or Notes: s, the program manager provided examples of violation considerations that would warrant see merated in the MPUC's procedures.	eking civ	vil penalt	ies. They
6	Can the State demonstrate it is using their enforcement fining authority for pipeline safety	1		1

violations?

Yes = 1 No = 0 Needs Improvement = .5

#### **Evaluator Notes:**

The following are links to the MPUC Dockets for which there were NOPVs issued in 2016. The associated penalty amounts assessed are also listed:

- ? 2016-00015 \$ 5,000
- ? 2016-00039 \$250,000
- ? 2016-00082 \$ 3,000
- ? 2016-00283 \$ 5,000
- ? 2016-00293 \$ 25,000
- ? 2016-00300 ? No Penalty
- ? 2016-00311 \$ 5,000

Total of \$293,000

7 General Comments:

Info OnlyInfo Only

Info Only = No Points

**Evaluator Notes:** 

The MPUC has generally complied with the requirements of Part D of this evaluation.

Total points scored for this section: 15 Total possible points for this section: 15



1	Does the state have written procedures to address state actions in the event of an incident/accident?  Yes = 2 No = 0 Needs Improvement = 1	2	2	
The	or Notes:  MPUC provides Incident Investigation Procedures in Appendix E of its Gas Safety Program procedures the MPUC meets this requirement.	n Proced	ures. Upon a revi	ew
2	Does state have adequate mechanism to receive and respond to operator reports of incidents, including after-hours reports? And did state keep adequate records of Incident/Accident notifications received? Chapter 6 Yes = 2 No = 0 Needs Improvement = 1	2	2	
	a. Acknowledgement of MOU between NTSB and PHMSA (Appendix D)	Yes 💿	No O Needs Improver	nent (
14-	b. Acknowledgement of Federal/State Cooperation in case of incident/accident (Appendix E)	Yes •	No O Needs Improver	,
The Pipe PHN 130	or Notes: MPUC is aware of the information contained in Appendix D and E of the Guidelines for Stabline Safety Program. The MPUC's procedures (Appendix E) contain language concerning parts. Operators are required to notify Commission Staff in some cases, including incident requirements. No incidents were reported to the MPUC in 2016 that warranted investigation show any telephonic reports to the National Response Center that met reporting requirements.	articipati eporting, n. The P	on with NTSB ar per MPUC Chap	ter
<b>3</b> Evaluato	If onsite investigation was not made, did state obtain sufficient information from the operator and/or by other means to determine the facts to support the decision to not go on-site? Chapter 6 Yes = 1 No = 0 Needs Improvement = .5 or Notes:	1	NA	
	re were no incidents reported for CY2016.			
4	Were all incidents investigated, thoroughly documented, and with conclusions and recommendations?  Yes = 3 No = 0 Needs Improvement = 1-2	3	NA	
	a. Observations and document review	Yes	No O Needs Improver	(
	b. Contributing Factors	Yes •	No Needs	(
	c. Recommendations to prevent recurrences when appropriate	Yes •	No O Improver	nent (
	or Notes: re were no incidents reported during CY2016.	163 (5)	Improver	nent`
5	Did the state initiate compliance action for violations found during any incident/accident investigation? Yes = 1 No = 0	1	NA	
Evaluato	r Notes:			
The	re were no incidents reported during CY2016.			
6	Did the state assist region office by taking appropriate follow-up actions related to the operator incident reports to ensure accuracy and final report has been received by	1	NA	



Evaluator Notes:

There were no incidents requiring follow-up.

investigate discrepancies) Chapter 6 Yes = 1 No = 0 Needs Improvement = .5

PHMSA? (validate report data from operators concerning incidents/accidents and

Does state share lessons learned from incidents/accidents? (sharing information, such as: 1 at NAPSR Region meetings, state seminars, etc)
Yes = 1 No = 0

#### Evaluator Notes

An incident didn't meet the reporting threshold was discussed at the NAPSR Regional Meeting. There were no reportable incidents reported during CY2015 or CY2016.

8 General Comments: Info OnlyInfo Only
Info Only = No Points

#### **Evaluator Notes:**

The MPUC generally complied with the requirements of Part E of this evaluation. A large portion of Part E was not applicable since no incidents were reported during CY2016.

Total points scored for this section: 5 Total possible points for this section: 5



2

Has the state reviewed directional drilling/boring procedures of each pipeline operator or its contractor to determine if they include actions to protect their facilities from the dangers posed by drilling and other trench less technologies? NTSB

Yes = 2 No = 0 Needs Improvement = 1

#### **Evaluator Notes:**

This is a requirement of MPUC Rule Chapter 420 and its incorporation in Operators' O&M Procedures is verified during inspections. Additionally, Ch. 420 includes the requirement to have procedures to prevent cross bores of other underground facilities

Did the state inspector check to assure the pipeline operator is following its written procedures pertaining to notification of excavation, marking, positive response and the availability and use of the one call system?

Yes = 2 No = 0 Needs Improvement = 1

2

#### **Evaluator Notes:**

The MPUC covers 192.614 requirements during its Standard Inspections. Excavation notification and follow-up records are reviewed.

In addition Dig Safe ticket number (indicating notification) is verified during construction inspections for work by the operator and their contractors. Random, unannounced construction site visits, by the Damage Prevention Investigators, verify marking and positive response.

Did the state encourage and promote practices for reducing damages to all underground facilities to its regulated companies? (i.e. such as promoting/adopting the CGA Best Practices encouraging adoption of the 9 Elements, etc.)

Yes = 2 No = 0 Needs Improvement = 1

2

### **Evaluator Notes:**

The CGA Best Practices are promoted through training by the MPUC's Damage Prevention Investigators. The MPUC actively participates in the annual training by Maine's Managing Underground Safety Training (MUST) Committee.

The CGA Best Practices are also referenced in Section 3.B.a. of MPUC Rule Chapter 420, SAFETY STANDARDS FOR NATURAL GAS AND LIQUEFIED NATURAL GAS FACILITY OPERATORS, regarding the qualification of pipeline locating personnel.

Has the agency or another organization within the state collected data and evaluated trends on the number of pipeline damages per 1,000 locate requests? (This can include DIRT and other data shared and reviewed by the pipeline safety program)

Yes = 2 No = 0 Needs Improvement = 1

2

2

#### **Evaluator Notes:**

The Damage Prevention Investigators maintain a spreadsheet of all underground facility incidents; including those resulting in no damage. For gas pipelines, the damages per 1,000 tickets are tracked from the annual distribution reports to PHMSA. The damages per 1,000 tickets on gas pipelines have respectively been 2.04, 1.77, 1.67, 1.54, and 1.86 for 2011 through 2015.

5 General Comments:

Info OnlyInfo Only

## Info Only = No Points Evaluator Notes:

The MPUC has generally complied with the requirements of Part F of this evaluation.

Total points scored for this section: 8 Total possible points for this section: 8



Info Only = No Points

Operator, Inspector, Location, Date and PHMSA Representative

1

 $\boxtimes$ 

 $\boxtimes$ 

 $\boxtimes$ 

Info OnlyInfo Only

	Name of Operator Inspected: Unitil		
	Name of State Inspector(s) Observed: Sean Watson		
	Location of Inspection: 765 Center St., Auburn, ME and #68 Lake St., Auburn, ME		
	Date of Inspection: August 2, 2017		
	Name of PHMSA Representative: Don Martin		
The join exc	or Notes:  MPUC conducted an inspection of construction work at two locations in Auburn, ME. The oping P.E. line pipe for a main replacement project in the vicinity of Lake and Fern Streets. Also avating, welding a stopper fitting, and installing a line stopper and end cap in order to de-activate that had been replaced by a new P.E. service line.	, the operator	r was
2	Was the operator or operator's representative notified and/or given the opportunity to be present during inspection? $Yes = 1 No = 0$	1	1
The will	or Notes:  MPUC does not routinely notify operators prior to arriving on construction project inspections not commence an inspection if a representative is not present. Operator representatives were particular locations inspected. Pat Shaw was the representative for Unitil.		
3	Did the inspector use an appropriate inspection form/checklist and was the form/checklist used as a guide for the inspection? (New regulations shall be incorporated)  Yes = 2 No = 0 Needs Improvement = 1	2	2
The	or Notes: s inspection form was appropriate. It was located on the inspector's iPad and was completed as inspection.	the inspector	conducted
4	Did the inspector thoroughly document results of the inspection? Yes = 2 No = 0 Needs Improvement = 1	2	2
Yes	or Notes: s, the inspector completed the form utilizing his iPad as he conducted the inspection. A copy of wided the next day following the inspection.	f the complete	ed form was
5	Did the inspector check to see if the operator had necessary equipment during inspection to conduct tasks viewed? (Maps,pyrometer,soap spray,CGI,etc.)  Yes = 1 No = 0	1	1
The	or Notes: e inspector checked equipment required to perform welding on steel pipe and joining of P.E. pipe in the equipment or any testing devices required.	e. No issues	were found
6	Did the inspector adequately review the following during the field portion of the state evaluation? (check all that apply on list)  Yes = 2 No = 0 Needs Improvement = 1	2	2



a.

b.

c.

Procedures

Field Activities

Records

	d.	Other (please comment)		
Proo qual		r excavation notification, welding, tapping, deactivation, joining of P.E. pipe and ertification was reviewed for each person performing covered tasks. Construction		
the	niciu.			
7	regulation	inspector have adequate knowledge of the pipeline safety program and ons? (Evaluator will document reasons if unacceptable)	2	2
Evaluato	res = 2 r or Notes:	No = 0 Needs Improvement = 1		
		spector has completed all of the required courses at PHMSA's Training and Qua	lifications fac	ility in Oklahom
		pector exhibited a good understanding of the pipeline safety regulations.		
8		inspector conduct an exit interview? (If inspection is not totally complete the w should be based on areas covered during time of field evaluation)	1	1
Evaluato	or Notes:			
		any representative was provided a briefing of the results of the MPUC inspection	n.	
9		the exit interview, did the inspector identify probable violations found during the ons? (if applicable) $N_0 = 0$	e 1	1
The	or Notes: MPUC in pection.	spector informed the operator's representative that no probable violations were f	ound during t	he day's
	with Otl Other.	ion of field observations and how inspector performed) 2) Best Practices to Shaher States - (Field - could be from operator visited or state inspector practices) 3		
	a.	Abandonment		
	b.	Abnormal Operations	$\boxtimes$	
	c.	Break-Out Tanks		
	d.	Compressor or Pump Stations		
	e.	Change in Class Location		
	f.	Casings		
	g.	Cathodic Protection		
	h.	Cast-iron Replacement		
	i.	Damage Prevention	$\boxtimes$	
	j.	Deactivation	$\boxtimes$	
	k.	Emergency Procedures		
	1.	Inspection of Right-of-Way		
	m.	Line Markers		
	n.	Liaison with Public Officials		
	0.	Leak Surveys		
	р.	MOP		
	q.	MAOP		
	r.	Moving Pipe		
	S.	New Construction	$\boxtimes$	
	t.	Navigable Waterway Crossings		
	u.	Odorization		
	u. V.	Overpressure Safety Devices		
	w.	Plastic Pipe Installation		
	vv .	1 mone 1 pe momination		

Χ.	Public Education	
y.	Purging	
Z.	Prevention of Accidental Ignition	
A.	Repairs	
B.	Signs	
C.	Tapping	
D.	Valve Maintenance	
E.	Vault Maintenance	
F.	Welding	
G.	OQ - Operator Qualification	
H.	Compliance Follow-up	
I.	Atmospheric Corrosion	
J.	Other	
Evaluator Notes:		
The MPUC ge	enerally complied with the requirements of Part G of th	is evaluation.
		Total points scored for this section: 12

Total possible points for this section: 12

PAR	Γ H - Interstate Agent State (If Applicable)  Pol	ints(MAX)	Score
1	Did the state use the current federal inspection form(s)?	1	NA
	Yes = 1 No = 0 Needs Improvement = .5		
Evaluato			
The	MPUC is not an interstate agent.		
2	Are results documented demonstrating inspection units were reviewed in accordance w "PHMSA directed inspection plan"?  Yes = 1 No = 0 Needs Improvement = .5	ith 1	NA
Evaluato			
The	MPUC is not an interstate agent.		
3	Did the state submit documentation of the inspections within 60 days as stated in its late Interstate Agent Agreement form?  Yes = 1 No = 0 Needs Improvement = .5	est 1	NA
Evaluato			
The	MPUC is not an interstate agent.		
4	Were probable violations identified by state referred to PHMSA for compliance? (NOT PHMSA representative has discretion to delete question or adjust points, as appropriate based on number of probable violations; any change requires written explanation.)  Yes = 1 No = 0 Needs Improvement = .5		NA
Evaluato			
The	MPUC is not an interstate agent.		
5	Did the state immediately report to PHMSA conditions which may pose an imminent safety hazard to the public or to the environment?  Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluato	*		
The	MPUC is not an interstate agent.		
6	Did the state give written notice to PHMSA within 60 days of all probable violations found?  Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluato			
The	MPUC is not an interstate agent.		
7	Did the state initially submit documentation to support compliance action by PHMSA or probable violations?	n 1	NA
г 1 .	Yes = 1 No = 0 Needs Improvement = .5		
Evaluato			
ı ne	MPUC is not an interstate agent.		
8	General Comments:	Info Onlyli	nfo Only
	Info Only = No Points		
Evaluato			
The	MPUC is not an interstate agent.		

Total points scored for this section: 0 Total possible points for this section: 0

PAR	Γ I - 60106 Agreement State (If Applicable)	oints(MAX)	Score
1	Did the state use the current federal inspection form(s)?	1	NA
Evaluato	Yes = 1 No = 0 Needs Improvement = .5		
	MPUC does not have a Section 60106 agreement with PHMSA.		
2	Are results documented demonstrating inspection units were reviewed in accordance v state inspection plan?  Yes = 1 No = 0 Needs Improvement = .5	vith 1	NA
Evaluato	or Notes:		
The	MPUC does not have a Section 60106 agreement with PHMSA.		
3	Were any probable violations identified by state referred to PHMSA for compliance? (NOTE: PHMSA representative has discretion to delete question or adjust points, as appropriate, based on number of probable violations; any change requires written explanation.)  Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluato	or Notes:		
The	MPUC does not have a Section 60106 agreement with PHMSA.		
4	Did the state immediately report to PHMSA conditions which may pose an imminent safety hazard to the public or to the environment? Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluato	or Notes:		
The	MPUC does not have a Section 60106 agreement with PHMSA.		
5	Did the state give written notice to PHMSA within 60 days of all probable violations found?  Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluato	or Notes:		
The	MPUC does not have a Section 60106 agreement with PHMSA.		
6	Did the state initially submit adequate documentation to support compliance action by PHMSA on probable violations?  Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluato			
The	MPUC does not have a Section 60106 agreement with PHMSA.		
7	General Comments: Info Only = No Points	Info Onlyli	nfo Only
Evaluato			
The	MPUC does not have a Section 60106 agreement with PHMSA.		

Total points scored for this section: 0 Total possible points for this section: 0

