

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

2015 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)



2015 Gas State Program Evaluation -- CY 2015

Gas

State Agency: Maine		Rating:		
Agency Status:		60105(a): Yes	60106(a): No	Interstate Agent: No
Date of Visit: 07/12/2016	- 07/14/2016			
Agency Representative:	Gary Kenney, P.E., Gas Safety M	Manager		
PHMSA Representative:	Don Martin	-		
Commission Chairman t	o whom follow up letter is to be	sent:		
Name/Title:	Mark Vannoy, Chairman			
Agency:	Maine Public Utilities Commiss	ion		
Address:	18 State House Station			
City/State/Zip:	Augusta, Maine 04333			

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 2015 (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 <u>written summary</u> which thoroughly documents the inspection.

Scoring Summary

PARTS	6	Possible Points	Points Scored
А	Progress Report and Program Documentation Review	10	10
В	Program Inspection Procedures	13	13
С	Program Performance	50	50
D	Compliance Activities	15	15
Е	Incident Investigations	4	4
F	Damage Prevention	8	8
G	Field Inspections	11	11
Н	Interstate Agent State (If Applicable)	0	0
Ι	60106 Agreement State (If Applicable)	0	0
TOTA	LS	111	111
State R	ating		. 100.0

PART A - Progress Report and Program Documentation Points(MAX) Score Review Accuracy of Jurisdictional Authority and Operator/Inspection Units Data - Progress 1 1 1 Report Attachment 1 Yes = 1 No = 0 Needs Improvement = .5 Evaluator Notes: The operator information in the Pipeline Data Mart was reviewed and compared to the summary information in Attachment 1. No differences were found. 1 2 1 Review of Inspection Days for accuracy - Progress Report Attachment 2 Yes = 1 No = 0 Needs Improvement = .5Evaluator Notes: The documentation on inspection person days was reviewed. The MPUC's spreadsheet on inspection activities provided the information to verify the entries on Attachment 2. Accuracy verification of Operators and Operators Inspection Units in State - Progress 3 1 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. 4 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 CY2015. 1 1 5 Accuracy verification of Compliance Activities - Progress Report Attachment 5 Yes = 1 No = 0 Needs Improvement = .5Evaluator 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 2 Attachment 6 Yes = 2 No = 0 Needs Improvement = 1Evaluator 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. 7 Was employee listing and completed training accurate and complete? - Progress Report 1 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 Attachment 8 Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

The entries in Attachment 8 were supported by state statutes or commission rules.

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

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

1

Evaluator Notes:

The MPUC generally complied with the requirements of Part A of this evaluation. No points were deducted.

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

	1	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. Yes = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
Eva	Appe Post I	Notes: ndix C, Section C, of the MPUC Gas Safety Program Procedures includes the general Pre-In- Inspection Activities which are incorporated for all inspection types. Appendix C also contai ction types, including Standard Inspections, and the frequency for conducting the inspections	ns a listing	
	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.	1	1
Eva	Appe Post I	Yes = 1 No = 0 Needs Improvement = .5 Notes: ndix C, Section C, of the MPUC Gas Safety Program Procedures includes the general Pre-In- Inspection Activities which are incorporated for all inspection types. Appendix C also contai ction types, including IMP and DIMP Inspections, and the frequency for conducting the insp	ns a listing	
	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
Eva	Appe Post I	Yes = 1 No = 0 Needs Improvement = .5 Notes: ndix C, Section C, of the MPUC Gas Safety Program Procedures includes the general Pre-In- Inspection Activities which are incorporated for all inspection types. Appendix C also contai ction types, including OQ Inspections, and the frequency for conducting the inspections.		
	4	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	1
Eva	Apper Post I inspec	Yes = 1 No = 0 Needs Improvement = .5 Notes: ndix C, Section C, of the MPUC Gas Safety Program Procedures includes the general Pre-In- Inspection Activities which are incorporated for all inspection types. Appendix C also contai ction types, including Damage Prevention Inspections, and the frequency for conducting the ention inspections are also conducted by the MPUC Damage Prevention Staff per the Chapter	ns a listing inspections	of the
	5	Any operator training conducted should be outlined and appropriately documented as needed. Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	1	1
Eva	MPU 2015. Progr	Notes: C Gas Safety Staff participated in the New England Pipeline Safety Seminar held at Mt. Sno . These seminars are conducted annually in conjunction with TQ and are reference in Section ram Procedures, as well as included on the annual inspection plan (see Attachment 1 to Appen MAINE PUC will be hosting the 2016 seminar.	9 of the M	PUC Gas Safety
	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.	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 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	unit,	s inspection plan address inspection priorities of each operator, and if necessary each based on the following elements? = 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. comp	Operating history of operator/unit and/or location (includes leakage, incident and liance activities)	Yes 🖲		Needs Improvement
	c.	Type of activity being undertaken by operators (i.e. construction)	Yes 💽		Needs Improvement
	d. areas,	Locations of operators inspection units being inspected - (HCA's, Geographic Population Density, etc)	Yes 🖲		Needs Improvement
		Process to identify high-risk inspection units that includes all threats - (Excavation age, Corrosion, Natural Forces, Outside Forces, Material and Welds, Equipment, ators and any Other Factors)	Yes 🖲	No 🔿	Needs Improvement
	f.	Are inspection units broken down appropriately?	Yes 🖲	No 🔿	Needs Improvement
aluato	r Ninte	g•			

Evaluator Notes:

The process for developing the inspection plan is located in Appendix C of the MPUC Gas Safety Program Procedures. Section A of Appendix C provides the background and foundation of the inspection program. Section B of the Appendix discusses both planned and risk-based inspections, including the elements considered when planning inspections annually. Appendix A of the Procedures includes a breakdown of inspection units.

8 General Comments: Info OnlyInfo Only

Info Only = No Points **Evaluator Notes:**

> No issues were found with the MPUC's procedures. The MPUC has generally complied with the requirements of Part B of this evaluation. No points were deducted.

> > 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 5 5 State Programs may modify with just cause) Chapter 4.3 Yes = 5 No = 0A. Total Inspection Person Days (Attachment 2): 253.00 B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7): 220 X 2.50 = 550.00 Ratio: A / B 253.00 / 550.00 = 0.46 If Ratio ≥ 0.38 Then Points = 5, If Ratio < 0.38 Then Points = 0 Points = 5Evaluator Notes: The MPUC exceeded the minimum inspection day requirement with a ratio of 0.462. 2 Has each inspector and program manager fulfilled the T Q Training Requirements? (See 5 5 Guidelines Appendix C for requirements) Chapter 4.4 Yes = 5 No = 0 Needs Improvement = 1-4Needs a. Completion of Required OQ Training before conducting inspection as lead? Yes 💿 No () Improvement Completion of Required DIMP*/IMP Training before conducting inspection as b. Needs Yes 💽 No 🔿 Improvement O lead? *Effective Evaluation CY2013 Needs Root Cause Training by at least one inspector/program manager No 🔿 c. Yes () Improvement Needs d. Note any outside training completed Yes 💿 No () Improvement e. Verify inspector has obtained minimum qualifications to lead any applicable Needs Yes 💿 No () Improvement O standard inspection as the lead inspector. Evaluator Notes: Training requirement for the required classes have been accomplished by Gary and Nathan. Shawn is on track to complete classes within required time frame. 3 Did state records and discussions with state pipeline safety program manager indicate 2 2 adequate knowledge of PHMSA program and regulations? Chapter 4.1,8.1 Yes = 2 No = 0 Needs Improvement = 1Evaluator Notes: Yes. Gary Kenny has completed training and has a good understanding of PHMSA's requirements for State Pipeline Safety Programs. 4 Did state respond to Chairman's letter on previous evaluation within 60 days and correct 2 2 or address any noted deficiencies? (If necessary) Chapter 8.1 Yes = 2 No = 0 Needs Improvement = 1 Evaluator Notes: The August 10, 2015 letter from Zach Barrett, to MPUC Chairman Mark Vannoy did not require a response. 5 2 2 Did State hold PHMSA TQ Seminar in Past 3 Years? Chapter 8.5 Yes = 2 No = 0Evaluator Notes: The MAINE PUC will be hosting the 2016 seminar. The last seminar was held in 2015 in conjunction with the New England Pipeline Safety Seminar held at Mt. Snow, VT on October 20 & 21, 2015. These 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).
 - 6 Did state inspect all types of operators and inspection units in accordance with time 5 intervals established in written procedures? Chapter 5.1

Yes = 5 No = 0 Needs Improvement = 1-4

Evaluator Notes:

The MPUC's progress to date is on track to complete all inspections within the timeframe established in its procedures. The procedures were revised two years ago to comply with the five year interval established in the Guidelines for States Participating in the Pipeline Safety Program two years ago.

7	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 Yes = 2 No = 0 Needs Improvement = 1	2	2
The for PH	or Notes: MPUC Gas Safety staff uses PHMSA forms for all inspection types for which forms are avai and applicable to the type of inspection being conducted are completed. Beginning in 2016, with MSA's IA is being utilized to build applicable inspection forms and completes the requirement ain PHMSA databases.	th few or	no exceptions,
8	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 Yes = $1 \text{ No} = 0$	1	1
Evaluat	pr Notes:		
On Pro	y one operator in Maine ? Unitil (Northern Utilities) ? has cast iron pipe in their system. Secti cedure states the following: Cast Iron Piping	on I.2.4 (of their O&M
Che cor con	eck cast iron pipe for graphitic corrosion. Look for soft black spots underneath the scale and ti rosion product. This type of corrosion is attributed to the iron being selectively dissolved, leav sisting largely of graphite. The material remaining may appear intact but is relatively soft, and ily with a sharp instrument.	ing a poi	ous mass
	h segment of cast iron or ductile iron pipe on which general graphitization is found to a degre	e where a	a fracture or
	cage might result must be replaced.		
	h segment of cast iron or ductile pipe on which localized graphitization is found to a degree we st be replaced, repaired, or sealed by internal sealing methods adequate to prevent or arrest any		
9	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 = $1 \text{ No} = 0$	1	1
Evaluat	or Notes:		
Un	til (Northern Utilities) has a cast iron and bare steel model used for the ranking of pipe and the til has not experienced failures involving circumferential cracking.	e priority	of its replacement.
10	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	1	1
Evaluat	or Notes:		
	MPUC covers this item as part of its O&M inspections.		
11	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 $Yes = 1 No = 0$	1	1
Evaluat	or Notes:		
A r	eview of randomly selected inspection reports completed in 2015 revealed that this requirement	nt has be	en accomplished.

12	Has the state reviewed Operator Annual reports, along with Incident/Accident reports, for accuracy and analyzed data for trends and operator issues? Yes = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
	or Notes: annual reports are reviewed for trends regarding cast iron and unprotected steel pipe (only or services, leaks, damages, and unaccounted for gas. Please see attached annual report summar		
13	Did state input all applicable OQ, DIMP/IMP inspection results into federal database in a timely manner? This includes replies to Operator notifications into IMDB database. Chapter 5.1	2	2
The	Yes = 2 No = 0 Needs Improvement = 1 or Notes: results of eight OQ inspections were added to the database in 2015. Beginning in 2016, with MSA's IA is being utilized for all OQ, DIMP, and IMP inspections.	few or n	o exceptions,
14	Has state confirmed intrastate transmission operators have submitted information into NPMS database along with changes made after original submission? Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	1	1
Evaluato The	or Notes: NPMS Public Viewer has been verified for Bangor Gas, Maine Natural Gas, Summit Natura	l Gas, W	oodland Pulp.
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 Yes = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
In 2 in tl	or Notes: 014 the Program Manager performed inspections to verify that Summit's, MNG's, and Unitil' ne Drug and Alcohol plan and inspected the Drug and Alcohol program for Woodland Pulp, I rators were last inspected for Drug & Alcohol compliance in 2013 utilizing PHMSA Form 13	LLC. All	
16	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 Yes = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
MP qua reco	or Notes: UC Rule Chapter 420 ? 7.D.1.d requires that natural gas operators submit their OQ plans to the lification of the operator's and contractor's personnel is verified each time tasks are observed ords are not available at the time of the inspection, they are either requested from the operator ropriate database.	during in	spections. If the
17	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 $plan(s)$. 49 CFR 192 Subpart 0 Yes = 2 No = 0 Needs Improvement = 1	2	2
		l Woodla	nd Pulp were
18	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). 49 CFR 192 Subpart P DIMP ? First round of program inspections should have been complete by December 2014	2	2
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Yes = 2 No = 0 Needs Improvement = 1

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 Bangor Gas, Maine Natural Gas, and Unitil were respectively inspected in 2014, 2013, and 2012.

19	Is state verifying operators Public Awareness programs are up to date and being followed. State should also verify operators have evaluated Public Awareness programs for effectiveness as described in RP1162. 49 CFR 192.616 (I13-16) PAPEI Effectiveness Inspections should be conducted every four years per RP1162 $Yes = 2 No = 0$ Needs Improvement = 1	2	2
The Ban Mai Sun Uni	First - 2 No - 0 Needs improvement - 1 For Notes: following are the years of the most recent Public Awareness inspections: agor Gas: 2013 & scheduled for 2016 ane Natural Gas: 2013 anmit Natural Gas: 2015 til: 2012 & 2016 odland Pulp: 2015 		
20	Does the state have a mechanism for communicating with stakeholders - other than state pipeline safety seminar? (This should include making enforcement cases available to public). Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	1	1
The ? D ope ? In	or Notes: following methods of communication are utilized: issemination of Federal Register notices and other pertinent information to operators via e-ma rator distribution lists (LPG and Natural Gas) for dissemination of these notices. formation concerning gas safety regulations and contact information is available on the Commission forcement cases are available to the public through the Commission's Case Management Syste	nission w	-
21	Did state execute appropriate follow-up actions to Safety Related Condition (SRC) Reports? Chapter 6.3 Yes = 1 No = 0 Needs Improvement = .5 or Notes:	1	1
	re were no SRCs in 2015, nor were there any SRCs in previous years warranting follow-up in	2015.	
22	Did the State ask Operators to identify any plastic pipe and components that has shown a record of defects/leaks and what those operators are doing to mitigate the safety concerns?	1	1
MP Sha Util In a syst	Yes = 1 No = 0 Needs Improvement = .5 or Notes: UC Rule Chapter 420 ? 7.C. states "Each natural gas utility shall participate in the Plastic Pip ring Initiative and report each discovered incident of plastic pipe failure as prescribed in the I ities Commission Gas Safety Manager, and The American Gas Association Plastic Pipe Ad F ddition, defective workmanship has been shown to be an issue with the installation of SNGM rem. The MPUC has engaged in ongoing compliance activity ordering the investigation and re- kmanship issues.	nitiative loc Com E plastic	to the Maine Public mittee." distribution
23	Did the state participate in/respond to surveys or information requests from NAPSR or PHMSA?	1	1
Upo	Yes = 1 No = 0 Needs Improvement = .5 or Notes: on numerous occasions through e-mail with NAPSR and PHMSA. All such correspondence is nagers e-mail folders for NAPSR and PHMSA.	archived	l in the Program

24 If the State has issued any waivers/special permits for any operator, has the state verified conditions of those waivers/special permits are being met? This should include having the operator amend procedures where appropriate. No = 0 Needs Improvement = .5 Yes = 1

Evaluator Notes:

On April 15, 2014, PHMSA provided a letter of no objection to the MPUC's special permit/waiver to granted to Unitil. However, the letter of no objection was qualified with several conditions which will require considerable follow-up by the MPUC. There was some follow-up activity by the MPUC since April 15, 2014 but it is not complete. The MPUC should place a high priority on this special permit to ensure the operator has completed all requirements of the conditions.

25 Did the state attend the National NAPSR Board of Directors Meeting in CY being 1 evaluated?

No = 0 Needs Improvement = .5 Yes = 1

Evaluator Notes:

The Program Manager hosted the 2015 NAPSR Eastern Region meeting and attended the 2015 National meeting in Tempe, AZ. An Inspector, Sean Watson, also attended the 2016 NAPSR Eastern Region meeting with the Program Manager. If the budget and staff availability permit, it is planned that an Inspector or Staff Attorney will also attend subsequent Eastern Region meetings.

site - http://primis.phmsa.dot.gov/comm/states.htm		
No = 0 Needs Improvement = 1 Yes = 2 Discussion of Potential Accelerated Actions (AA'a) based on any possible transfer V_{22}	Needs	~

- a. Discussion of Potential Accelerated Actions (AA's) based on any negative trends $Yes \odot$ No \bigcirc
- b. NTSB P-11-20 Meaningful Metrics

Evaluator Notes:

Mr. Kenny was aware of the performance metrics. He reviews the information on PRIMIS but primarily relies on data on the metrics that his office maintains.

It was noticed during this discussion that Maine's damage prevention metrics are trending in a positive direction indicating an effective damage prevention program. Except for "Number of Leaks Repaired" all other metrics are trending in a positive direction. Mr. Kenny is aware of the leaks repaired metric and has analyzed possible causes of what appears to be an underperforming metric. An operator has changed the methodology in its count of leaks repaired when mains are replaced. This change has resulted in many additional leaks reported than in the past. Mr. Kenny expects the trend to improve in the future once the operator's change in methodology has minimal effects as time passes.

27 General Comments:

Info Only = No Points

Info OnlyInfo Only

Yes (•)

No 🔿

1

1

1

Improvement Needs

Improvement

Evaluator Notes:

Question C.24 - On April 15, 2014, PHMSA provided a letter of no objection to the MPUC's special permit/waiver to granted to Unitil. However, the letter of no objection was qualified with several conditions which will require considerable follow-up by the MPUC. There was some follow-up activity by the MPUC since April 15, 2014 but it is not complete. The MPUC should place a high priority on this special permit to ensure the operator has completed all requirements of the conditions.

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

Total points scored for this section: 50 Total possible points for this section: 50



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 $Yes = 4 No = 0$ Needs Improvement = 1-3	4		4
	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
Ap	or Notes: pendix D of the MPUC Gas Safety Program Procedures addresses compliance action procedun npany officers and compliance tracking and follow-up.	ires, incl	uding no	otification of
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 = $4 \text{ No} = 0 \text{ Needs Improvement} = 1-3$	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
3 Evaluat	Did the state issue compliance actions for all probable violations discovered? Yes = 2 No = 0 Needs Improvement = 1 or Notes:	2		2
Cor Pro	mpliance actions may include both informal and formal action when conducted in accordance ogram Procedures, Appendix D. As noted in the Question D.2, numerous examples of complia- ilable.			2
4	Did compliance actions give reasonable due process to all parties? Including "show cause" hearing if necessary. Yes = $2 \text{ No} = 0$	2		2
Op	or Notes: erators are afforded multiple opportunities to respond to compliance actions through mechani ety Program Procedures as well as the MPUC Rule Chapters 420 and 421. No show cause he 5.			
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 = $2 \text{ No} = 0$ Needs Improvement = 1	2		2
	or Notes: s, the program manager provided examples of violation considerations that would warrant see	eking civ	il penalt	ies.
Alt	hough not occurring in 2015, the NOPV referenced above in Question 2 is an example of a ci	vil pena	lty comr	nensurate
	h a repeat violation, considering severity. In addition to the penalty, the operator was required additional damages.	to inve	stigate tl	neir system

6 Can the State demonstrate it is using their enforcement fining authority for pipeline safety 1 violations? Yes = 1 No = 0 Needs Improvement = .5
Evaluator Notes: The following dockets and penalty amounts verifies that the MPUC is using its enforcement authority. 2015-00343 - \$1,000 2015-00344 - \$5,000 2015-00349 - \$7,500 2015-00364 - \$8,000 Total of \$24,750

7 General Comments:

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

Info OnlyInfo Only

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
	or Notes: MPUC provides Incident Investigation Procedures in Appendix E of its Gas Safety Program rendix E indicates that the procedures are adequate.	n Proced	ures. A	review of
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 = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2		2
	a. Acknowledgement of MOU between NTSB and PHMSA (Appendix D)	Yes 💽	No 🔿	Needs Improvement
	b. Acknowledgement of Federal/State Cooperation in case of incident/accident	Yes (•)	No 🔿	Needs
Evaluato	(Appendix E)			Improvement
The Pipe App Ope	MPUC is aware of the information contained in Appendix D and E of the Guidelines for Stelline Safety Program. The MPUC's procedures contain language about participation with N bendix E of the procedures. rators are required to notify Commission Staff in some cases, including incident reporting, participation.	TSB and	PHMSA	A in
3 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 = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$ or Notes:	1	N	A
The	re were no reportable incidents during CY2015; therefore, this question is not applicable.			
4	Were all incidents investigated, thoroughly documented, and with conclusions and recommendations? Yes = $3 \text{ No} = 0 \text{ Needs Improvement} = 1-2$	3	N	A
	a. Observations and document review	Yes 💽	No 🔿	Needs Improvement
	b. Contributing Factors	Yes 💿	No 🔿	Needs Improvement
Evaluato	c. Recommendations to prevent recurrences when appropriate	Yes 🖲	No 🔿	Needs Improvement
	re were no reportable incidents during CY2015; therefore, this question is not applicable.			
5	Did the state initiate compliance action for violations found during any incident/accident investigation? Yes = $1 N_0 = 0$	1	N	A
	r Notes:			
Ihe	re were no reportable incidents during CY2015; therefore, this question is not applicable.			
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 PHMSA? (validate report data from operators concerning incidents/accidents and investigate discrepancies) Chapter 6 Yes = $1 \text{ No} = 0 \text{ Needs Improvement = .5}$	1	N	A
	or Notes:			
The	re were no reportable incidents during CY2015; therefore, this question is not applicable.			

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

Evaluator Notes:

There were no reportable incidents during CY2015; therefore, this question is not applicable.

- 8 General Comments:
 - Info Only = No Points

Evaluator Notes:

There were no reportable incidents during CY2015; therefore, some questions are not applicable. For the two questions that were applicable, the MPUC generally complied with PHMSA's requirements.

Total points scored for this section: 4 Total possible points for this section: 4

Info OnlyInfo Only

1	Has the state reviewed directional drilling/boring procedures of each pipeline operator of its contractor to determine if they include actions to protect their facilities from the dangers posed by drilling and other trench less technologies? NTSB	2	2
Th	Yes = 2 No = 0 Needs Improvement = 1 for Notes: is is a requirement of MPUC Rule Chapter 420 and its incorporation in Operators' O&M Pro- pections. Likewise, Ch. 420 includes the requirement to have procedures to prevent cross bo		verified during
2	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 = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
Th the	or Notes: e Dig Safe ticket number (indicating notification) is verified during construction inspections ir contractors. Random, unannounced construction site visits, by the Damage Prevention Inv sitive response.		
3	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 = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
The trai The in '	tor Notes: e CGA Best Practices are promoted through training by the MPUC's Damage Prevention Invining by Maine's Managing Underground Safety Training (MUST) Committee, in which the e CGA Best Practices are also referenced ?3.B.a. of MPUC Rule Chapter 420, SAFETY STANDARDS FOR NATURAL GAS AND AS FACILITY OPERATORS, regarding the qualification of pipeline locating personnel.	MPUC act	ively participates.
4	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
Th in 1	for Notes: e Damage Prevention Investigators maintain a spreadsheet of all underground facility incide no damage. For gas pipelines, the damages per 1,000 tickets are tracked from the annual dist e damages per 1,000 tickets have respectively been 2.04, 1.77, 1.67, 1.54, and 1.86 for 2011	ribution rep	orts to PHMSA.
5	General Comments: Info Only = No Points	Info Onlyl	nfo Only
	or Notes: e MPUC has generally complied with the requirements of Part F of this evaluation.		
	Total points	a and for th	

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

1	Operator, Inspector, Location, Date and PHMSA Representative Info Only = No Points	Info OnlyIr	nfo Only
	Name of Operator Inspected: Summit Natural Gas of Maine and Unitil		
	Name of State Inspector(s) Observed: Nathan Dore		
	Location of Inspection: Yarmouth, ME and Portland, ME		
	Date of Inspection: 07/14/2016		
	Name of PHMSA Representative: Don martin		
	r Notes: ign, Testing and Construction Inspection was conducted at two locations on two different of installing new distribution main near Yarmouth, ME and Unitil was replacing cast iron ma		
2	Was the operator or operator's representative notified and/or given the opportunity to be present during inspection? Yes = $1 \text{ No} = 0$	1	1
that	r Notes: MPUC is provided with construction notifications on a weekly basis as required in its rule the MPUC will conduct construction inspections without prior notice. The MPUC provide ections.	-	
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 = $2 \text{ No} = 0$ Needs Improvement = 1	st 2	2
chee	r Notes: Pipeline construction checklists, developed by the MPUC, were utilized for the two considered set in application located on the inspector's Apple Ipad. The inspector enters results in pressed through the inspections.		
4	Did the inspector thoroughly document results of the inspection? Yes = $2 \text{ No} = 0$ Needs Improvement = 1	2	2
	r Notes: As noted in the previous question these results were entered on the job-site. There was r sfer once back in the office. It was done real time in the field.	10 need to ke	ep notes and then
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 = $1 \text{ No} = 0$	n 1	1
	r Notes: , all installation equipment or equipment used for testing was reviewed and checked for its pration records if they were required.	appropriater	ness and for
6	Did the inspector adequately review the following during the field portion of the state evaluation? (check all that apply on list) Yes = $2 \text{ No} = 0$ Needs Improvement = 1	2	2
	a. Procedures	\boxtimes	
	b. Records	\boxtimes	
	c. Field Activities	\boxtimes	
	d. Other (please comment)		

Evaluator Notes:

The inspections were construction inspections. The operators were requested to provide copies of all written procedures and other material that is required to be on a construction jobsite. Records of individuals OQ certifications were reviewed.

7	regulati	inspector have adequate knowledge of the pipeline safety program and ons? (Evaluator will document reasons if unacceptable) No = 0 Needs Improvement = 1	2	2					
Evaluator Notes: The inspector has completed all of the required courses at PHMSA's Training and Qualifications Division. The inspector w well versed in pipeline safety regulations pertaining to design, testing and construction of pipelines. No issues identified.									
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) $N_0 = 0$	1	1					
Evaluate	or Notes:								
		issues were identified during the visit.							
9	-	the exit interview, did the inspector identify probable violations found during the ons? (if applicable) No = 0	1	NA					
Evaluate	or Notes:								
No	probable v	iolations were identified.							
10	General Comments: 1) What did the inspector observe in the field? (Narrative Info OnlyInfo Only description of field observations and how inspector performed) 2) Best Practices to Share with Other States - (Field - could be from operator visited or state inspector practices) 3) Other.								
		y = No Points							
	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	\boxtimes						
	i.	Damage Prevention	\boxtimes						
	i. j.	Damage Prevention Deactivation							
	i. j. k.	Damage Prevention Deactivation Emergency Procedures							
	i. j. k. 1.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way							
	i. j. k. l. m.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way Line Markers							
	i. j. k. 1. m. n.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way Line Markers Liaison with Public Officials							
	i. j. k. l. m. n. o.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way Line Markers Liaison with Public Officials Leak Surveys							
	i. j. k. l. m. n. o. p.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way Line Markers Liaison with Public Officials Leak Surveys MOP							
	i. j. k. l. m. n. o. p. q.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way Line Markers Liaison with Public Officials Leak Surveys MOP MAOP							
	i. j. k. l. m. n. o. p. q. r.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way Line Markers Liaison with Public Officials Leak Surveys MOP MAOP MAOP							
	i. j. k. l. m. n. o. p. q. r. s.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way Line Markers Liaison with Public Officials Leak Surveys MOP MAOP MAOP Noving Pipe New Construction							
	i. j. k. l. m. n. o. p. q. r. s. t.	Damage PreventionDeactivationEmergency ProceduresInspection of Right-of-WayLine MarkersLiaison with Public OfficialsLeak SurveysMOPMAOPMoving PipeNew ConstructionNavigable Waterway Crossings							
	i. j. k. l. m. n. o. p. q. r. s. t. u.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way Line Markers Liaison with Public Officials Leak Surveys MOP MAOP MAOP Moving Pipe New Construction Navigable Waterway Crossings Odorization							
	i. j. k. l. m. n. o. p. q. r. s. t. u. v.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way Line Markers Liaison with Public Officials Leak Surveys MOP MAOP MAOP Moving Pipe New Construction Navigable Waterway Crossings Odorization Overpressure Safety Devices							
	i. j. k. l. m. n. o. p. q. r. s. t. u. v. w.	Damage PreventionDeactivationEmergency ProceduresInspection of Right-of-WayLine MarkersLiaison with Public OfficialsLeak SurveysMOPMAOPMoving PipeNew ConstructionNavigable Waterway CrossingsOdorizationOverpressure Safety DevicesPlastic Pipe Installation							
	i. j. k. l. m. n. o. p. q. r. s. t. u. v.	Damage Prevention Deactivation Emergency Procedures Inspection of Right-of-Way Line Markers Liaison with Public Officials Leak Surveys MOP MAOP MAOP Moving Pipe New Construction Navigable Waterway Crossings Odorization Overpressure Safety Devices							

DUNS: 002235294 2015 Gas State Program Evaluation

А.	Repairs	
В.	Signs	\boxtimes
C.	Tapping	
D.	Valve Maintenance	
E.	Vault Maintenance	
F.	Welding	
G.	OQ - Operator Qualification	\boxtimes
H.	Compliance Follow-up	
I.	Atmospheric Corrosion	
J.	Other	
NT . 4		

Evaluator Notes:

The inspections involved the review of design, testing and construction of PE plastic mains and service lines. Operator qualification records of individuals were reviewed in case operation and maintenance tasks were performed during the construction.

The inspections were conducted in a thorough manner and results were well documented.

There no issues identified in regards to the requirements of Part G of this evaluation.

Total points scored for this section: 11 Total possible points for this section: 11



PART	H - Interstate Agent State (If Applicable) Poin	nts(MAX)	Score
1	Did the state use the current federal inspection form(s)?	1	NA
-	Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	-	1.1.1
Evaluator			
The l	MPUC is not an interstate agent.		
2	Are results documented demonstrating inspection units were reviewed in accordance wit "PHMSA directed inspection plan"? Yes = 1 No = 0 Needs Improvement = .5	h 1	NA
Evaluator			
The l	MPUC is not an interstate agent.		
3	Did the state submit documentation of the inspections within 60 days as stated in its lates Interstate Agent Agreement form? Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	st 1	NA
Evaluator			
The l	MPUC is not an interstate agent.		
4	Were 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.)	2: 1	NA
Evaluator	Yes = 1 No = 0 Needs Improvement = .5		
	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 = $1 \text{ No} = 0$ Needs Improvement = .5	1	NA
Evaluator	Notes:		
The l	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
Evaluator			
	MPUC is not an interstate agent.		
		1	N 1 A
7	Did the state initially submit documentation to support compliance action by PHMSA or probable violations? Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluator			
The l	MPUC is not an interstate agent.		
Q	a 1a	Infe Out	fo Orl-
8	General Comments:	Info OnlyIr	no Only
Evaluator	Info Only = No Points Notes:		
	MPUC is not an interstate agent.		
1101	an e e le not un interstate agent.		

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

PARI	I - 60106 Agreement State (If Applicable)P	oints(MAX)	Score
		_	
1	Did the state use the current federal inspection form(s)?	1	NA
F 1 /	Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$		
Evaluato			
The	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 = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	with 1	NA
Evaluato			
	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 = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	1	NA
Evaluato	r 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 = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	1	NA
Evaluato			
	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			
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 = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$, 1	NA
Evaluato	-		
The	MPUC does not have a Section 60106 agreement with PHMSA.		
7	General Comments:	Info OnlyInfo Only	
-	Info Only = No Points	j	j
Evaluato	•		
	MPUC does not have a Section 60106 agreement with PHMSA.		

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