

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

# 2010 Natural Gas State Program Evaluation

for

# MAINE PUBLIC UTILITIES COMMISSION

## Document Legend PART:

- O -- Representative Date and Title Information
- A -- General Program Qualifications
- B -- Inspections and Compliance Procedures/Records/Performance
- C -- Interstate Agent States
- D -- Incident Investigations
- E -- Damage Prevention Initiatives
- F -- Field Inspection
- G -- PHMSA Initiatives Strategic Plan
- H -- Miscellaneous
- I -- Program Initiatives



# 2010 Natural Gas State Program Evaluation -- CY 2010 Natural Gas

State Agency: Maine Rating:

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

**Date of Visit:** 06/13/2011 - 06/17/2011 **Agency Representative:** Gary A. Kenny **PHMSA Representative:** Dino N. Rathod, P.E.

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

Name/Title: Thomas Welch, Chairman

**Agency:** Maine Public Utilities Commission

Address: 101 Second Street
City/State/Zip: Hallowell, ME 04334

#### **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 2010 (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 certification/agreement attachments provide the basis for determining the state's pipeline safety grant allocation.

### **Field Inspection (PART F):**

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 F, the PHMSA representative should include a written summary which thoroughly documents the inspection.

#### **Scoring Summary**

PARTS	8	<b>Possible Points</b>	<b>Points Scored</b>
i A	General Program Qualifications	26	24
В	Inspections and Compliance - Procedures/Records/Performance	24.5	24
C	Interstate Agent States	0	0
D	Incident Investigations	3.5	3.5
Е	Damage Prevention Initiatives	9	9
F	Field Inspection	12	12
G	PHMSA Initiatives - Strategic Plan	9	9
Н	Miscellaneous	3	3
I	Program Initiatives	9	7
TOTA	LS	96	91.5
State Rating			95.3



1	Certifica attachme	tate submit complete and accurate information on the attachments to its most current 60105(a) tion/60106 (a) Agreement? (NOTE: PHMSA Representative to verify certification/agreement nts by reviewing appropriate state documentation. Score a deficiency in any one area as "needs ment". Attachment numbers appear in parenthesis) Previous Question A.1, Items a-h worth 1 point	8	7
	Yes = 8 No	= 0 Needs Minor Improvement = 3-7 Needs Major Improvement = 2		
	a.	State Jurisdiction and agent status over gas facilities (1)	$\boxtimes$	
	b.	Total state inspection activity (2)	$\boxtimes$	
	c.	Gas facilities subject to state safety jurisdiction (3)	$\boxtimes$	
	d.	Gas pipeline incidents (4)	$\boxtimes$	
	e.	State compliance actions (5)	$\boxtimes$	
	f.	State record maintenance and reporting (6)	$\boxtimes$	
	g.	State employees directly involved in the gas pipeline safety program (7)	$\boxtimes$	
	h.	State compliance with Federal requirements (8)	$\boxtimes$	
SLR Not		PUC need to review and revise Attachments 1, 5 and 8. PUC agreed to contact PHMSA State Programs (		
1) At 2) At (Follo 3)Att	tchement 5 ow instructi achment 8-	dStar.  Intrastate transmission- No. of inspection unit and units should be filled in as "2"; Recheck No. of Probable Violations found, number corrected and to be corrected as well as No. of Comon on Page 6 of Certification); Item 7h- Part 198. Cite State Law/ Regs and Effective date; Actual Civil Penalty Limits- PUC to describits information in Notes for Attchment 8.	•	
2 SI D Not	with 601 property Previous Yes = 1 No	tate have an adequate mechanism to receive operator reporting of incidents to ensure state compliance 05(a) Certification/60106(a) Agreement requirements (fatality, injury requiring hospitalization, damage exceeding \$50,000 - Mechanism should include receiving "after hours" reports)? (Chapter 6) Question A.2	1	1
SLR Not		A 100 C C C C A C I C D C C D C C D C C C C C C C C C C	c .:	
PUC	65-407-Cha	apter 130 Safety & Accident Reporting Requirements; PUC Contact List also covers after-hrs coverage in	iformation.	
3	state requ	state held a pipeline safety TQ seminar(s) in the last 3 years? (NOTE: Indicate date of last seminar or if the state seminar, but T&Q could not provide, indicate date of state request for seminar. Seminars must the least once every 3 calendar years.) (Chapter 8.5) Previous Question A.4	2	2
SLR Not	es:			
PUC	hosted Join	t T&Q seminar as part of New England Pipeline Safety Rep (NEPSR) in Ogonquit, ME. Oct 2010		
4		peline safety program files well-organized and accessible?(NOTE: This also includes electronic files) 5) Previous Question A.5	1	1
SLR Not	es:			
Pipel	ine Safety f	iles- Hard copies and electronic maintained in a secure bldg, accessible.		
5	of PHMS Yes = 2 No	records and discussions with the state pipeline safety program manager indicate adequate knowledge 6A program and regulations? (Chapter 4.1, Chapter 8.1) Previous Question A.6 = 0 Needs Improvement = 1	2	1
SLR Not	es:			

#### S

Gary Kenny brings wealth of Pipeline Safety experience. He continues to take required T&Q training. He works closely with NEPSR, NAPSR and PHMSA

Did the state respond in writing within 60 days to the requested items in the Chairman's letter following the 6 Region's last program evaluation? (No response is necessary if no items are requested in letter and mark "Yes") (Chapter 8.1) Previous Question A.8 Yes = 1 No = 0

1

SLR Notes:

PUC responded Nov 4, 2010

9	District CV TO CV TO CV	Info Only	Info Only
,	Brief Description of Non-TQ training Activities:  Info Only = No Points	mio omy	inio omy
	For State Personnel:		
	For Operators:		
	For Non-Operator Entities/Parties, Information Dissemination, Public Meetings:		
SLR Not	tes:		
10	Did the lead inspectors complete all required T&Q OQ courses and Computer Based Training (CBT) before conducting OQ Inspections? (Chapter 4.4.1) Previous Question A.12  Yes = 1 No = 0	1	1
SLR Not	tes:		
11	Did the lead inspectors complete all required TQ Integrity Management (IMP) Courses/Seminars and CBT before conducting IMP Inspections? (Chapter 4.4.1) Previous Question A.13	1	1
	Did the lead inspectors complete all required TQ Integrity Management (IMP) Courses/Seminars and CBT before conducting IMP Inspections? (Chapter 4.4.1) Previous Question A.13 $Y_{es} = 1 N_0 = 0$	1	1
11 SLR Not	Did the lead inspectors complete all required TQ Integrity Management (IMP) Courses/Seminars and CBT before conducting IMP Inspections? (Chapter 4.4.1) Previous Question A.13 $Y_{es} = 1 N_0 = 0$	1	1
11 SLR Not	Did the lead inspectors complete all required TQ Integrity Management (IMP) Courses/Seminars and CBT before conducting IMP Inspections? (Chapter 4.4.1) Previous Question A.13  Yes = 1 No = 0  tes:	5	5
11 SLR Not At th	Did the lead inspectors complete all required TQ Integrity Management (IMP) Courses/Seminars and CBT before conducting IMP Inspections? (Chapter 4.4.1) Previous Question A.13  Yes = 1 No = 0 tes:  is point, Gary Kenny has only completed WBT for IMP and he is waitlisted for IMP training in Jan 2012.  Was the ratio acceptable of Total inspection Person-days to Total Person-days charged to the program by state inspectors? (Region Director may modify points for just cause) (Chapter 4.3) Previous Question B.12		
11 SLR Not At th	Did the lead inspectors complete all required TQ Integrity Management (IMP) Courses/Seminars and CBT before conducting IMP Inspections? (Chapter 4.4.1) Previous Question A.13  Yes = 1 No = 0  tes:  is point, Gary Kenny has only completed WBT for IMP and he is waitlisted for IMP training in Jan 2012.  Was the ratio acceptable of Total inspection Person-days to Total Person-days charged to the program by state inspectors? (Region Director may modify points for just cause) (Chapter 4.3) Previous Question B.12  Yes = 5 No = 0  A. Total Inspection Person Days (Attachment 2):		
11 SLR Not At th	Did the lead inspectors complete all required TQ Integrity Management (IMP) Courses/Seminars and CBT before conducting IMP Inspections? (Chapter 4.4.1) Previous Question A.13  Yes = 1 No = 0  tes:  its point, Gary Kenny has only completed WBT for IMP and he is waitlisted for IMP training in Jan 2012.  Was the ratio acceptable of Total inspection Person-days to Total Person-days charged to the program by state inspectors? (Region Director may modify points for just cause) (Chapter 4.3) Previous Question B.12  Yes = 5 No = 0  A. Total Inspection Person Days (Attachment 2): 109.00  B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7):		

What actions, if necessary, did the State initiate as a result of issues raised in the Chairperson's letter from the

previous year? Did actions correct or address deficiencies from previous year's evaluation? (No response is necessary if no items are requested in letter and mark "Yes") (Chapter 8.1) Previous Question A.8/A.9

Has each inspector fulfilled the 3 year TQ training requirement? If No, has the state been granted a waiver

regarding TQ courses by the Associate Administrator for Pipeline Safety? (NOTE: If the State has new inspectors who have not attended all TQ courses, but are in a program which will achieve the completion of all applicable courses within 3 years of taking first course (5 years to successfully complete), or if a waiver has been granted by the applicable Region Director for the state, please answer yes.) (Chapter 4.4) Previous Question

1 PUC hired an inspector Jim Atkins. 2. PUC also allowed inspectors to take out of town travel for T&Q courses and be able to respond to emergencies on

3

3



7

SLR Notes:

Yes = 1 No = 0

A.10

designated mandated furlough days.

Personnel and Qualifications

Have there been modifications or proposed changes to inspector-staffing levels? (If yes, describe) Previous Info Only Info Only Question B.13
Info Only = No Points

SLR Notes:

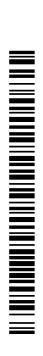
Jim Atkins joined PUC in Jul 2010.

14 Part-A General Comments/Regional Observations

Info Only Info Only

 $\label{eq:controller} \begin{tabular}{ll} Info Only = No \ Points \\ SLR \ Notes: \end{tabular}$ 

Total points scored for this section: 24 Total possible points for this section: 26



# PART B - Inspections and Compliance - Procedures/Records/ Performance

Points(MAX) Score

Does the State have a written inspection plan to complete the following? (all types of operators including LNG) (Chapter 5.1) Previous Question B.1 + Chapter 5 Changes + Incorporate LNG	6.5	6
Yes = 6.5 No = 0 Needs Improvement = 50% Deduction		
Standard Inspections (Including LNG) (Max points = 2)	Yes •	No O Needs Improvement
IMP Inspections (Including DIMP) (Max points = .5)	Yes 🔘	No Needs Improvement
OQ Inspections (Max points = .5)	Yes 🔘	No Needs Improvement
Damage Prevention (Max points = .5)	Yes •	No O Needs Improvement
On-Site Operator Training (Max points = .5)	Yes •	No O Needs Improvement
Construction Inspections (Max points = .5)	Yes	No O Needs Improvement
Incident/Accident Investigations (Max points = 1)	Yes •	No No Improvement
	Yes (•)	Needs
	O	No () Improvement
ed with PUC need for Inspection Plan to include OQ, Drug & Alcohol and IMP Plan reviews and field verificate	ions, as ne	cessary.
Question B.2, items a-d are worth .5 point each	2	2
Length of time since last inspection	Yes •	No O Needs Improvement
History of Operator/unit and/or location (including leakage, incident and compliance history)	Yes •	No O Needs Improvement
Type of activity being undertaken by operator (construction etc)	Yes •	No Needs Improvement
For large operators, rotation of locations inspected	Yes (•)	No O Needs Improvement
:		mprovement
ection Performance		
Did the state inspect all types of operators and inspection units in accordance with time intervals established in ts written procedures? (Chapter 5.1) Previous Question B.3	2	2
: ed with PUC need for performing OQ, IMP, D&A and Public Awareness (PA) inspections PUC agreed to work	c-in these	activities moving forward
(Chapter 5.1 (3)) Previous Question B.4	1	1
	1	1
	IMP Inspections (Including DIMP) (Max points = .5)  OQ Inspections (Max points = .5)  Damage Prevention (Max points = .5)  On-Site Operator Training (Max points = .5)  Construction Inspections (Max points = .5)  Incident/Accident Investigations (Max points = 1)  Compliance Follow-up (Max points = 1)  ed with PUC need for Inspection Plan to include OQ , Drug & Alcohol and IMP Plan reviews and field verificated with PUC need for Inspection Plan to include OQ , Drug & Alcohol and IMP Plan reviews and field verificated Did the written Procedures for selecting operators adequately address key concerns? (Chapter 5.1) Previous Question B.2, items a-d are worth .5 point each Yes = 2 No = 0 Needs Improvement = 50% Deduction  Length of time since last inspection  History of Operator/unit and/or location (including leakage , incident and compliance history)  Type of activity being undertaken by operator (construction etc)  For large operators, rotation of locations inspected  :  cection Performance  Did the state inspect all types of operators and inspection units in accordance with time intervals established in its written procedures? (Chapter 5.1) Previous Question B.3  Yes = 2 No = 0  ed with PUC need for performing OQ, IMP, D&A and Public Awareness (PA) inspections PUC agreed to world).	IMP Inspections (Including DIMP) (Max points = .5)  OQ Inspections (Max points = .5)  Damage Prevention (Max points = .5)  On-Site Operator Training (Max points = .5)  On-Site Operator Training (Max points = .5)  Construction Inspections (Max points = .5)  Incident/Accident Investigations (Max points = .5)  Incident/Accident Investigations (Max points = 1)  Compliance Follow-up (Max points = 1)  Yes ④  Compliance Follow-up (Max points = 1)  Yes ④  Compliance Follow-up (Max points = 1)  Yes ④  Did the written Procedures for selecting operators adequately address key concerns? (Chapter 5.1) Previous 20 (Chapter 5.1)  Previous Did the written Procedures for selecting operators adequately address key concerns? (Chapter 5.1) Previous 20 (Chapter 5.1)  Previous Did the written Procedures for selecting operators adequately address key concerns? (Chapter 5.1) Previous 20 (Chapter 5.1)  Previous Did the written Procedures for selecting operators adequately address key concerns? (Chapter 5.1) Previous 20 (Chapter 5.1)  Previous Question B.2, items a-d are worth. 5 point each 22 (Chapter 5.1)  Previous Operator/unit and/or location (including leakage , incident and compliance history)  Tyes ④  Type of activity being undertaken by operator (construction etc)  For large operators, rotation of locations inspected  Yes ④  Section Performance  Did the state inspect all types of operators and inspection units in accordance with time intervals established in 22 (its written procedures? (Chapter 5.1) Previous Question B.3  **Yes = 2 No = 0 (its written procedures? (Chapter 5.1) Previous Question B.4  **Yes = 2 No = 0 (its written procedures? (Chapter 5.1) Previous Question B.4  **Yes = 2 No = 0 (its written procedures? (Chapter 5.1) Previous Question B.4  **Yes = 1 No = 0 (its written procedures) PuC agreed to work-in these in the procedure of the previous Question B.4  **Yes = 1 No = 0 (its written procedures) PuC agreed to work-in these in the previous Question B.5  **Institute of the previous Question B.4  **Yes = 1 No = 0 (i

Did the state initiate appropriate follow-up actions to Safety Related Condition Reports? (Chapter 6.3)

SLR Notes:

Previous Question B.6 Yes = .5 No = 0

6

NA

.5

7	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) Previous Question B.7  Yes = .5 No = 0	.5	.5
SLR No			
8 (LD.)	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) Previous Question B.8 Yes = .5 No = 0	.5	.5
SLR No	tes:		
9	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) Previous Question B.9  Yes = .5 No = 0	.5	.5
SLR No	tes:		
10	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? (NTSB) Previous Question B.10	1	1
SLR No	Yes = $1 \text{ No} = 0$ tes:		
——————————————————————————————————————	ompliance - 60105(a) States		
11	Did the state adequately document sufficient information on probable violations? (Chapter 5.2) Previous Question B.14  Yes = 1 No = 0 Needs Improvement = .5	1	1
		ns (Certific	eation and Guideline
12	Does the state have written procedures to identify the steps to be taken from the discovery to the resolution of a probable violation as specified in the "Guidelines for State Participating in the Pipeline Safety Program"? (Chapter 5.1) Previous Question D(1).1  Yes = 1 No = 0 Needs Improvement = .5	1	1
SLR No	tes:		
13	Does the state have written procedures to notify an operator when a noncompliance is identified as specified in the "Guidelines for States Participating in the Pipeline Safety Program"? (Chapter 5.1(4)) Previous Question D (1).2  Yes = 1 No = 0 Needs Improvement = .5	1	1
SLR No			
14	Does the state have a written procedure for routinely reviewing the progress of compliance actions to prevent delays or breakdowns of the enforcement process, as required by the "Guidelines for States Participating in the Pipeline Safety Program"? (Chapter 5.1(5)) Previous Question D(1).3	1	ı

SLR Notes:

Yes = 1 No = 0 Needs Improvement = .5

Discussed with PUC need for a process to keep track of pending actions and closure upon completion of necesary remedial actions. PUC agreed to consider it and implement ASAP.

15	Has the State issued compliance actions for all probable violations discovered? (Note: PHMSA representative has discretion to delete question or adjust points, as appropriate, based on number of probable violations; any change requires written explanation) Previous Question D(1).4	1	1
SLR No	Yes = 1 No = 0 tes:		
16	Did the state follow its written procedures for reviewing compliance actions and follow-up to determine that prompt corrective actions were taken by operators, within the time frames established by the procedures and compliance correspondence, as required by the "Guidelines for States Participating in the Pipeline Safety Program"? Previous Question D(1).5  Yes = 1 No = 0 Needs Improvement = .5	1	1
SLR No			
17	If compliance could not be established by other means, did state pipeline safety program staff request formal action, such as a "Show Cause Hearing" to correct pipeline safety violations? (check each states enforcement procedures) Previous Question $D(1).6$ $No = 0$ Yes = 1	1	1
SLR No	tes:		
18	Did the state adequately document the resolution of probable violations? (Chapter 5.1 (6)) Previous Question D(1).7 Yes = 1 No = 0 Needs Improvement = .5	1	1
SLR No	tes:		
19	Were compliance actions sent to a company officer? (manager or board member if municipal/government system) (Chapter $5.1(4)$ ) Previous Question D(1).8 Yes = $.5 \text{ No} = 0$	.5	.5
SLR No			
20	Did the compliance proceedings give reasonable due process to all parties? (check each states enforcement procedures) Previous Question D(1).9  Yes = 1 No = 0 Needs Improvement = .5	1	1
SLR No			
Co	mpliance - 60106(a) States		
21	Did the state use the current federal inspection form(s)? Previous Question $D(2).1$ Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	1	NA
SLR No	tes:		
22	Are results adequately documented demonstrating inspection units were reviewed in accordance with state inspection plan? Previous Question D(2).2  Yes = 1 No = 0 Needs Improvement = .5	1	NA
SLR No			
23	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	1	NA

violations; any change requires written explanation.) Previous Question D(2).3

Yes = 1 No = 0 Needs Improvement = .5

SLR Notes:

24	Did the state immediately report to PHMSA conditions which may pose an imminent safety hazard to the public or to the environment? Previous Question D(2).4  Yes = 1 No = 0 Needs Improvement = .5	e 1	NA
SLR No	tes:		
25	Did the state give written notice to PHMSA within 60 days of all probable violations found? Previous Question D(2).5  Yes = 1 No = 0 Needs Improvement = .5	1	NA
SLR No	tes:		
26	Did the state initially submit adequate documentation to support compliance action by PHMSA on probable violations? Previous Question D(2).6  Yes = 1 No = 0 Needs Improvement = .5	1	NA
SLR No	•		
27	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)  Info Only = No Points	Info Only	NA
SLR No	tes:		
28	Part B: General Comments/Regional Observations  Info Only = No Points	Info Only	NA
SLR No	tes:		

Total points scored for this section: 24 Total possible points for this section: 24.5



<b>1</b> SLR No	Did the state use the current federal inspection form(s)? Previous Question D(3).1  Yes = 1 No = 0 Needs Improvement = .5  tes:	1	NA
2	Are results documented demonstrating inspection units were reviewed in accordance with "PHMSA directed inspection plan"? Previous Question D(3).2  Yes = 1 No = 0 Needs Improvement = .5	1	NA
SLR No	tes:		
3	Did the state submit documentation of the inspections within 60 days as stated in its latest Interstate Agent Agreement form? Previous Question $D(3).3$ Yes = $1 \text{ No} = 0$	1	NA
SLR No	tes:		
4	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.) Previous Question D(3).4 $Yes = 1 No = 0$	1	NA
SLR No			
5	Did the state immediately report to PHMSA conditions which may pose an imminent safety hazard to the public or to the environment? Previous Question $D(3).5$ Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	1	NA
SLR No	tes:		
6	Did the state give written notice to PHMSA within 60 days of all probable violations found? Previous Question $D(3).6$ $Y_{es} = 1 N_0 = 0$	1	NA
SLR No	tes:		
7	Did the state initially submit documentation to support compliance action by PHMSA on probable violations? Previous Question D(3).7  Yes = 1 No = 0 Needs Improvement = .5	1	NA

SLR Notes:

8 Part C: General Comments/Regional Observations

Info Only Info Only

 $\label{eq:controller} \begin{tabular}{ll} Info Only = No \ Points \\ SLR \ Notes: \end{tabular}$ 

ME is only intrastate gas 60105(a).

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

SLR No	Info Only = No Points			•
8	Part D: General Comments/Regional Observations	Info Only	Info On	ly
SLR No	Yes = .5 No = 0			
7	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 annual report data from operators concerning incidents/accidents and investigate discrepancies) (Chapter 6) Previous Question E.7/E.8	.5	N	A
SLR No	otes:			
6	Did the state initiate enforcement action for violations found during any incident investigation(s)? Previous Question E.6 Variation $Yes = 1 No = 0 Needs Improvement = .5$	1	N	A
No r	reportable incidents in CY 2010			
SLR No	• • • •	163	110	Improvement
	c. Recommendations to prevent recurrences where appropriate	Yes ()	No ()	Improvement Needs
	b. Contributing Factors	Yes ()	No (	Improvement Needs
	Yes = 2 No = 0 Needs Improvement = 1  a. Observations and Document Review	Yes ()	No ()	Needs
5	Were investigations thorough and conclusions and recommendations documented in an acceptable manner? Previous Question E.5, comprehensive question worth 2 points total	2	N	A
SLR No	otes:			
4	If an onsite investigation of an incident was not made, did the state obtain sufficient information by other means to determine the facts and support the decision not to go on-site? Previous Question E.4 $Y_{\text{CS}} = 1 \text{ No} = 0 \text{ Needs Improvement} = .5$	1		1
SLR No	otes:			
3	Did the state keep adequate records of incident notifications received? Previous Question E.3  Yes = 1 No = 0 Needs Improvement = .5	1		1
SLR No	otes:			
2	Are state personnel familiar with the jurisdictional authority and Memorandum of Understanding between NTSB and PHMSA? (See Appendix in "Guidelines for States Participating in the Pipeline Safety Program") (Chapter 6? Appendix D) Previous Question E.2 $_{\text{Yes}} = .5 \text{ No} = 0$	.5		.5
SLR No	Question E.1  Yes = 1 No = 0 Needs Improvement = .5			
1	Are state personnel following the procedures for Federal/State cooperation in case of an incident? (See Appendix in "Guidelines for States Participating in the Pipeline Safety Program") (Chapter 6.1) Previous	1		1

No Reportable incidents in CY 2010



## **PART E - Damage Prevention Initiatives**

Points(MAX) Score

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? Previous Question B.11

Yes = 2 No = 0 Needs Improvement = 1

2 2

SLR Notes:

PUC reviewed Directional Drilling Procedures:

Unitil? O&M Procedures, Appendix 2?

G Maine Natural Gas? Construction Standards

Bangor Gas? O&M Procedures, ?II.H.1.j (for use of trenchless technology by the operator)

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? New 2008 2

Yes = 2 No = 0

SLR Notes:

Dig SafePUC inspector reviews ticket number (indicating notification) at all 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 the adoption of the Common Ground Alliance Best Practices document to its regulated companies as a means of reducing damages to all underground facilities? Previous Question A.7

Yes = 2 No = 0 Needs Improvement = 1

2

2

SLR Notes:

The PUC encourages and promotes the CGA Best Practices through annual training by Maine's Managing Underground Safety Training (MUST) Committee, in which the MPUC actively participates. The CGA Best Practices are also referenced in MPUC Rule Chapter 420, Safety Standards For Natural Gas and LNG Facility Operators, regarding the qualification of pipeline locating personnel.

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? New 2008

Yes = 1 No = 0

2

1

SLR Notes:

Damage Prevention Investigators at PUC maintain a spreadsheet of all underground facility incidents; including those resulting in no damage. The spreadsheet details the damages per 1,000 locate requests.

Did the state review operators' records of accidents and failures due to excavation damage to ensure causes of failure are addressed to minimize the possibility of recurrence as required by 192.617?

2

SLR Notes:

All incidents (resulting in damage or not) are investigated by the ME PUC's Damage Prevention Investigators. Since Unitil experienced the greatest rate of damages, they are scrutinized very closely. Steps to minimize the possibility of recurrence are often incorporated in consent agreements associated with Notices of Probable Violations. Also, in 2010 the Pipeline Safety Staff investigated an incident of self inflicted damage incurred on a Bangor Gas facility. Through that investigation it was learned that Bangor Gas conducts root cause investigations of all incidents.

6 Part E: General Comments/Regional Observations

Info Only Info Only

 $\label{eq:entropy} \begin{array}{l} {\rm Info\ Only = No\ Points} \\ SLR\ Notes: \end{array}$ 

Total points scored for this section: 9

Total possible points for this section: 9



1	Operator, Inspector, Location, Date and PHMSA Representative  Info Only = No Points	Info Only	Info Only
	Name of Operator Inspected: Unitil (NUI)		
	Name of State Inspector(s) Observed: Gary Kenny, P.E.		
	Location of Inspection: Portland		
	Date of Inspection: 06/13/2011 and 06/14/2011		
	Name of PHMSA Representative: Dino N. Rathod, P.E.		
	otes: C reiviewed Status update of DIMP implentation and recent major pipeline incidents and discussed with Unitil for po ance pipeline safety.	ossible pro-a	active measures to
2	Was the operator or operator's representative notified and/or given the opportunity to be present during inspection? New 2008 $Y_{es} = 1 N_0 = 0$	1	1
SLR No	otes:		
Unit	til Company Rep was notified and present at jobsite		
3	Did the inspector use an acceptable inspection form/checklist and was the form/checklist used as a guide for the inspection? (New regulations shall be incorporated) Previous Question F.2  Yes = $2 \text{ No} = 0$	2	2
SLR No			
Gary	y used Check List and PHMSA OQ Protocol for field verification.		
-			
4	Did the inspector thoroughly document results of the inspection? Previous Question F.3 $Yes = 2 No = 0$	2	2
SLR No	otes:		
PUC	C inspector Gary Kenny documented his observations.		
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.) New 2008 $Y_{es} = 1 N_0 = 0$	1	1
SLR No	otes:		
Gary	y checked heaing iron for pipe fusion and contact pyrometer.		
6	What type of inspection(s) did the state inspector conduct during the field portion of the state evaluation? (i.e. Standard, Construction, IMP, etc) New 2008  Info Only = No Points	Info Only	Info Only
SLR No			
1 Re	eview of DIMP implementation progress status; 2) Observe construction of new 8-inch plastic pipe to replace exist ipe fusion activity. 4) Recent major pipeline incidents- SanBruno, CA and Allentown, PA and pro-active measures I		
7	Did the inspector adequately review the following during the field portion of the state evaluation? (check all that apply on list) New 2008, comprehensive question worth 2 points total $Yes = 2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
	a. Procedures	$\boxtimes$	
	b. Records		
	c. Field Activities/Facilities	$\boxtimes$	

 $\boxtimes$ 

d.

Other (Please Comment)

	view of DIN	MP implementation progress status; 2) Observe construction of new 8-inch plastic pipe to replace exist tivity. 4) Recent major pipeline incidents- SanBruno, CA and Allentown, PA and pro-active measures		
8		nspector have adequate knowledge of the pipeline safety program and regulations? (Liaison will treasons if unacceptable) Previous Question F.8	2	2
SLR No				
9		nspector conduct an exit interview? (If inspection is not totally complete the interview should be based covered during time of field evaluation) Previous Question F.10	i 1	1
SLR No	tes:			
10	During to Question Yes = 1 No		as 1	1
	expressed of	concern for two minor items- Fusion temp range, need for Tip Card by fusor and calibration of Contact p for resolution.	Pyromter for	r checking heatng iron.
11	What did		Info Only	Info Only
sand	tes: nstruction: l padding an	Innstallation of new 8-inch HDPE plastic pipe. Checked fusor qualifications, Dig Safe ticket validity, placed decayation at site. Verified heating iron temp and pipe fusion temp, implementation status- progress review.	oipe storage a	and handling. Quality of
12 SLR No	Info Only	ctices to Share with Other States - (Field - could be from operator visited or state inspector practices) = No Points	Info Only	Info Only
13	Field Ob	servation Areas Observed (check all that apply)	Info Only	Info Only
	Info Only	= No Points		
	a. -	Abandonment		
	b.	Abnormal Operations		
	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		
	j.	Deactivation		
	k.	Emergency Procedures		
	1.	Inspection of Right-of-Way		
	m.	Line Markers		
	n.	Liaison with Public Officials		
	0.	Leak Surveys		
	p.	MOP		
	q.	MAOP		
	r.	Moving Pipe		

S.	New Construction	
t.	Navigable Waterway Crossings	
u.	Odorization	
v.	Overpressure Safety Devices	
W.	Plastic Pipe Installation	$\boxtimes$
X.	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	
	MP implementation progress status; 2) Observe construction of new 8-ctivity. 4) Recent major pipeline incidents- SanBruno, CA and Allenton	
	General Comments/Regional Observations  = No Points	Info Only Info Only
SLR Notes: 1 Review of DII	MP implementation progress status; 2) Observe construction of new 8-ctivity. 4) Recent major pipeline incidents- SanBruno, CA and Allenton	
		Total points scored for this section: 12 Total possible points for this section: 12

# PART G - PHMSA Initiatives - Strategic Plan

Points(MAX) Score

## Risk base Inspections - Targeting High Risk Areas

Does state have process to identify high risk inspection units?

1.5 1.5

Yes = 1.5 No = 0

Risk Factors (criteria) to consider may include:

Miles of HCA's, Geographic area, Population Density

Length of time since last inspection

History of Individual Operator units (leakage, incident and compliance history, etc.)

Threats - (Excavation Damage, Corrosion, Natural Forces, Other Outside Forces, Material or Welds,

Equipment, Operations, Other)

#### SLR Notes:

PUC has Gas Safety Program Procedures which are revised annually. The most recent revision was reviewed June 3, 2011

2 Are inspection units broken down appropriately? (see definitions in Guidelines) 0.5

.5

Yes = .5 No = 0

#### SLR Notes:

The inspection units for the natural gas LDCs, Intrastate transmission, and LNG are straightforward.

3 Consideration of operators DIMP Plan? (if available and pending rulemaking) Info Only Info Only

Info Only = No Points

#### SLR Notes:

PUC has monitored progress of DIMP implementation. PUC verification that operators have DIMP Plans in place will begin in early August. Since the December 2009 notice in the Federal Register, information has been forwarded to the natural gas and LPG operators. On March 23, 2011 the Gas Safety Manager attended a presentation of the DIMP Plan by the state's largest gas utility, Unitil. It appears their plan is very thorough

4 Does state inspection process target high risk areas? 0.5

.5

Yes = .5 No = 0

#### SLR Notes:

July 22, 2010 incident of self damage to a main by Bangor Gas (BG). Although the incident was minor, the initial report indicated a cause that didn't seem plausible. PUC's ensuing investigation indicated the report was false. Subsequently, all matters pertaining to operator qualification and records are being very closely scrutinized with BG. PUC'sprevious Gas Safety Program Procedures included a schedule of inspecting LPG facilities every three years. With two new intrastate transmission lines proposed (one by a proposed LDC), Unitil's cast iron replacement program, and the general growth of natural gas due to favorable pricing, that schedule has been revised to once every five years.

# Use of Data to Help Drive Program Priority and Inspections

0.5 .5 Does state use data to analyze effectiveness of damage prevention efforts in the state? (DIRT or other data, etc)

Yes = .5 No = 0SLR Notes:

PUC's Damage Prevention Investigators maintain a spreadsheet titled "Incident Activity" that tracks all incidents, including those where there was no damage. Also, the 2010 Damage Prevention Grant from PHMSA was utilized to develop a new damage prevention database and procure handheld data collection units. The new database is currently in the implementation phase.

6 Has state reviewed data on Operator Annual reports for accuracy? 0.5

.5

Yes = .5 No = 0

#### SLR Notes:

Yes. Unitil purchased Northern Utilities in 2008. Review of subsequent annual reports by PUC indicated some discrepancies regarding miles of main by type, services by type, and the total of services. These discrepancies have been attributable to Unitil's diligence to verify records through field verification.

0.5 .5 Has state analyzed annual report data for trends and operator issues?

Yes = .5 No = 0

SLR Notes:

8

Has state reviewed data on Incident/Accident reports for accuracy?

.5 0.5

Does the State support data gathering efforts concerning accidents? (Frequency/Consequence/etc)

Yes; PUC Rule Chapter 420 requires participation in the Plastic Pipe Data



16

SLR Notes:

Yes = .5 No = 0

Collection and Sharing Initiative

0.5

.5

.5

0.5

SLR Notes:

Does state conduct root cause analysis on incidents/accidents in state?

Info Only = No Points

Info Only Info Only

SLR Notes:

Has state participated on root cause analysis training? (can also be on wait list) Yes = .5 No = 0

.5 0.5

SLR Notes:

Gas Safety Manager Gary Kenny attended PHMSA's Root Cause/Incident Course (PHMSA?PL3600) in September 2010

# Transparency - Communication with Stakeholders

20 Other than pipeline safety seminar does State communicate with stakeholders? (Communicate program data, .5 0.5 pub awareness, etc.)

Yes = .5 No = 0

The documents pertaining to all docketed cases are available on? line through the MPUC's Virtual Case File which may be found at the following link:

http://mpuc.informe.org/easyfile/easyweb.php?func=easyweb\_splashpage

21 Does state share enforcement data with public? (Website, newsletters, docket access, etc.) .5 0.5

Yes = .5 No = 0

SLR Notes:

SLR Notes:

PUC documents pertaining to all docketed cases are available on?line through the MPUC's Virtual Case File which may be found at the following link:

http://mpuc.informe.org/easyfile/easyweb.php?func=easyweb\_splashpage

22 Part G: General Comments/Regional Observations Info Only Info Only

Info Only = No Points

SLR Notes:

Total points scored for this section: 9

Total possible points for this section: 9



Info Only = No Points

SLR Notes:

1	What were the major accomplishments for the year being evaluated? (Describe the accomplishments, NAPSR Activities and Participation, etc.) $Y_{es} = .5 N_0 = 0$	.5	0.5	
2. Pr 3. Ga	tes: UC hired James Atkins as a Pipeline safety inspector in July 2010. ogram Manager Gary Kenny attended NAPSR and the regional and national meetings and found to be very informat ary Kenny also hosted his first NEPSR joint seminar in October 2011 in Ogonquit, ME. NEPSR is a group of New E  2 VT). Seminar was well attended with over 120 partricipants.			ΝH,
2	What legislative or program initiatives are taking place/planned in the state, past, present, and future? (Describe initiatives (i.e. damage prevention, jurisdiction/authority, compliance/administrative, etc.)  Yes = .5 No = 0	.5	0.5	
SLR No 1. PU	tes:  JC inspection staff was able to respond to emergency and llowed to attend T&Q training during furlough days.			
3	Any Risk Reduction Accomplishments/Projects? (i.e. Cast iron replacement projects, bare steel, third-party damage reductions, etc.)  Yes = .5 No = 0	.5	0.5	
SLR No	tes:  Commission Order situlated that all Cast Iron and bare steel repalcement by UNITIL (NUI) by Oct 2024.			
4	Did the state participate in/respond to surveys or information requests from NAPSR or PHMSA?  Yes = 1 No = 0	1	1	
SLR No Mair	tes: ne has also been the recipient of information requested from NAPSR members and responded.			
5	Sharing Best Practices with Other States - (General Program) Yes = .5 No = 0	.5	0.5	
SLR No In ad syste	tes: Idition to replying to NAPSR inquiries, the MPUC has had correspondence with other New England states regarding	the rules fo	r jurisdictional LP	G
6	Part H. General Comments/Regional Observations	Info Only Info Only		

Total points scored for this section: 3

Total possible points for this section: 3

# Gas Transmission Pipeline Integrity Management (49 CFR Part 192 Subpart O)

Has the state verified that all operators with transmission pipelines have either adopted an integrity management program (IMP), or have properly determined that one is not required?

Yes = 1 No = 0

#### SLR Notes:

Maine Natural Gas (MNG) evaluated HCA determination for gas transmission pipeline and indicated that No HCA exist for this pipeline. Another operator Bangor Gas has adopted NGA IMP plan. PUC found inadequate documentation and request additional documentation from Bangor Gas.

9 Has the state verified that in determining whether a plan is required, the operator correctly calculated the potential impact radii and properly applied the definition of a high consequence area?

Yes = .5 No = 0

SLR Notes:

0.5

plan) Yes = .5 No = 0

Has the state reviewed operator IMPs for compliance with Subpart O? (In accordance with State Inspection



Total possible points for this section: 9

.5

0.5