



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

1200 New Jersey Avenue SE
Washington DC 20590

2010 Natural Gas State Program Evaluation

for

NEW HAMPSHIRE 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: New Hampshire

Agency Status:

Date of Visit: 05/23/2011 - 05/27/2011

Agency Representative: Randy Knepper

PHMSA Representative: Dino N. Rathod, P.E.

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

Name/Title: Thomas Getz, Chairman

Agency: New Hampshire Public Utility Commisison

Address: 21 S. Fruit Street

City/State/Zip: Concord, New Hampshire 03301-2429

Rating:

60105(a): Yes **60106(a):** No **Interstate Agent:** No

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

Possible Points Points Scored

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

26
24.5
0
3.5
9
12
10
3
9

26
24.5
0
3.5
9
12
10
3
9

TOTALS

97 97

State Rating **100.0**

PART A - General Program Qualifications

Points(MAX) Score

- | | | | |
|----------|--|-------------------------------------|---|
| 1 | Did the state submit complete and accurate information on the attachments to its most current 60105(a) Certification/60106 (a) Agreement? (NOTE: PHMSA Representative to verify certification/agreement attachments by reviewing appropriate state documentation. Score a deficiency in any one area as "needs improvement". Attachment numbers appear in parenthesis) Previous Question A.1, Items a-h worth 1 point each
Yes = 8 No = 0 Needs Minor Improvement = 3-7 Needs Major Improvement = 2 | 8 | 8 |
| a. | State Jurisdiction and agent status over gas facilities (1) | <input checked="" type="checkbox"/> | |
| b. | Total state inspection activity (2) | <input checked="" type="checkbox"/> | |
| c. | Gas facilities subject to state safety jurisdiction (3) | <input checked="" type="checkbox"/> | |
| d. | Gas pipeline incidents (4) | <input checked="" type="checkbox"/> | |
| e. | State compliance actions (5) | <input checked="" type="checkbox"/> | |
| f. | State record maintenance and reporting (6) | <input checked="" type="checkbox"/> | |
| g. | State employees directly involved in the gas pipeline safety program (7) | <input checked="" type="checkbox"/> | |
| h. | State compliance with Federal requirements (8) | <input checked="" type="checkbox"/> | |

SLR Notes:

Minor correction: Attachment 1 Revise Distribution-Private to 60105. (delete 60106).

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|----------|---|---|---|
| 2 | Did the state have an adequate mechanism to receive operator reporting of incidents to ensure state compliance with 60105(a) Certification/60106(a) Agreement requirements (fatality, injury requiring hospitalization, property damage exceeding \$50,000 - Mechanism should include receiving "after hours" reports)? (Chapter 6) Previous Question A.2
Yes = 1 No = 0 | 1 | 1 |
|----------|---|---|---|

SLR Notes:

- | | | | |
|----------|---|---|---|
| 3 | Has the state held a pipeline safety TQ seminar(s) in the last 3 years? (NOTE: Indicate date of last seminar or if state requested seminar, but T&Q could not provide, indicate date of state request for seminar. Seminars must be held at least once every 3 calendar years.) (Chapter 8.5) Previous Question A.4
Yes = 2 No = 0 | 2 | 2 |
|----------|---|---|---|

SLR Notes:

NH participated in a joint New England Pipeline Safety Rep (NEPSR) seminar in Oct 2010. Group of six New England states (CT, MA, ME, NH, RI & VT) host T&Q seminar, well attended by many operator personnel also.

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|----------|--|---|---|
| 4 | Were pipeline safety program files well-organized and accessible?(NOTE: This also includes electronic files) (Chapter 5) Previous Question A.5
Yes = 1 No = 0 | 1 | 1 |
|----------|--|---|---|

SLR Notes:

Files are kept in paper and electronic form. Files are accessible.

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|----------|---|---|---|
| 5 | Did state records and discussions with the state pipeline safety program manager indicate adequate knowledge of PHMSA program and regulations? (Chapter 4.1, Chapter 8.1) Previous Question A.6
Yes = 2 No = 0 Needs Improvement = 1 | 2 | 2 |
|----------|---|---|---|

SLR Notes:

Randy Knepper has extensive pipeline safety regulatory experience. He actively participates in PHMSA and NAPSRS initiatives and committees. He has completed necessary T&Q training courses. He works closely with PHMSA.

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| 6 | Did the state respond in writing within 60 days to the requested items in the Chairman's letter following the 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 | 1 |
|----------|---|---|---|

SLR Notes:

NH Chairman letter response was received within 60 days.

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| 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
Yes = 1 No = 0 | 1 | 1 |
|----------|--|---|---|

SLR Notes:

Damage Prevention Specialist position still remains vacant. PUC remains committed to having this position fill-in as soon as possible.

Personnel and Qualifications

- | | | | |
|----------|--|---|---|
| 8 | 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 A.10
Yes = 3 No = 0 | 3 | 3 |
|----------|--|---|---|

SLR Notes:

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- | | | | |
|----------|---|-----------|-----------|
| 9 | Brief Description of Non-TQ training Activities:
Info Only = No Points

For State Personnel:

For Operators:

For Non-Operator Entities/Parties, Information Dissemination, Public Meetings: | Info Only | Info Only |
|----------|---|-----------|-----------|

SLR Notes:

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- | | | | |
|-----------|---|---|---|
| 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 Notes:

D Burnell and C. Kokoszka Q WBT course PL30Q in Dec 2003. R Knepper in Dec 2005. In addition, attended OQ Seminar PL-3311 Assessment Eval of OQ in 2007

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- | | | | |
|-----------|--|---|---|
| 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
Yes = 1 No = 0 | 1 | 1 |
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SLR Notes:

D Burnell and R Knepper have completed PL 1297 Gas IMP Protocol Course in May 2005.

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- | | | | |
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| 12 | 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):
176.50

B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7):
220 X 2.00 = 440.00

Ratio: A / B
176.50 / 440.00 = 0.40

If Ratio >= 0.38 Then Points = 5, If Ratio < 0.38 Then Points = 0
Points = 5 | 5 | 5 |
|-----------|--|---|---|

SLR Notes:

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

SLR Notes:

Damage Prevention Specialist position is still vacant.

14 Part-A General Comments/Regional Observations

Info Only Info Only

Info Only = No Points

SLR Notes:

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



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

Points(MAX) Score

Inspection Procedures

- 1** 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 6.5
Yes = 6.5 No = 0 Needs Improvement = 50% Deduction
- | | | | | |
|---|---|--------------------------------------|--------------------------|---|
| a | Standard Inspections (Including LNG) (Max points = 2) | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |
| b | IMP Inspections (Including DIMP) (Max points = .5) | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |
| c | OQ Inspections (Max points = .5) | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |
| d | Damage Prevention (Max points = .5) | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |
| e | On-Site Operator Training (Max points = .5) | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |
| f | Construction Inspections (Max points = .5) | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |
| g | Incident/Accident Investigations (Max points = 1) | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |
| h | Compliance Follow-up (Max points = 1) | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |

SLR Notes:

- 2** 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 2 2
Yes = 2 No = 0 Needs Improvement = 50% Deduction
- | | | | | |
|---|--|--------------------------------------|--------------------------|---|
| a | Length of time since last inspection | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |
| b | History of Operator/unit and/or location (including leakage , incident and compliance history) | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |
| c | Type of activity being undertaken by operator (construction etc) | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |
| d | For large operators, rotation of locations inspected | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Needs Improvement <input type="radio"/> |

SLR Notes:

Inspection Performance

- 3** 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 2 2
Yes = 2 No = 0

SLR Notes:

- 4** Did the state inspection form cover all applicable code requirements addressed on the Federal Inspection forms? (Chapter 5.1 (3)) Previous Question B.4 1 1
Yes = 1 No = 0

SLR Notes:

PUC uses federal inspection forms, Protocols and state inspection check lists

- 5** Did state complete all applicable portions of inspection forms? (Chapter 5.1 (3)) Previous Question B.5 1 1
Yes = 1 No = 0

SLR Notes:

- 6** Did the state initiate appropriate follow-up actions to Safety Related Condition Reports? (Chapter 6.3) Previous Question B.6 .5 NA
Yes = .5 No = 0

SLR Notes:

NO SRC in CY 2010.

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
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SLR Notes:

8	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
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SLR Notes:

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
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SLR Notes:

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 Yes = 1 No = 0	1	1
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SLR Notes:

Compliance - 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
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SLR Notes:

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
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SLR Notes:

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
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SLR Notes:

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 Yes = 1 No = 0 Needs Improvement = .5	1	1
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SLR Notes:

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
	Yes = 1 No = 0		

SLR Notes:

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	1	1
	Yes = 1 No = 0 Needs Improvement = .5		

SLR Notes:

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	1	1
	No = 0 Yes = 1		

SLR Notes:

18	Did the state adequately document the resolution of probable violations? (Chapter 5.1 (6)) Previous Question D(1).7	1	1
	Yes = 1 No = 0 Needs Improvement = .5		

SLR Notes:

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	.5	.5
	Yes = .5 No = 0		

SLR Notes:

20	Did the compliance proceedings give reasonable due process to all parties? (check each states enforcement procedures) Previous Question D(1).9	1	1
	Yes = 1 No = 0 Needs Improvement = .5		

SLR Notes:

Compliance - 60106(a) States

21	Did the state use the current federal inspection form(s)? Previous Question D(2).1	1	NA
	Yes = 1 No = 0 Needs Improvement = .5		

SLR Notes:

22	Are results adequately documented demonstrating inspection units were reviewed in accordance with state inspection plan? Previous Question D(2).2	1	NA
	Yes = 1 No = 0 Needs Improvement = .5		

SLR Notes:

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 violations; any change requires written explanation.) Previous Question D(2).3	1	NA
	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	1	NA
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SLR Notes:

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
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SLR Notes:

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
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SLR Notes:

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
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SLR Notes:

28	Part B: General Comments/Regional Observations Info Only = No Points	Info Only	NA
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SLR Notes:

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



PART C - Interstate Agent States

Points(MAX) Score

- | | | | |
|----------|---|---|----|
| 1 | Did the state use the current federal inspection form(s)? Previous Question D(3).1
Yes = 1 No = 0 Needs Improvement = .5 | 1 | NA |
|----------|---|---|----|

SLR Notes:

NH PUC has only intrastate gas 60105(a) inspection authority.

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|----------|--|---|----|
| 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 Notes:

NH PUC has only intrastate gas 60105(a) inspection authority

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|----------|--|---|----|
| 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 No = 0 | 1 | NA |
|----------|--|---|----|

SLR Notes:

NH PUC has only intrastate gas 60105(a) inspection authority

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|----------|---|---|----|
| 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 Notes:

NH PUC has only intrastate gas 60105(a) inspection authority

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|----------|--|---|----|
| 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 No = 0 Needs Improvement = .5 | 1 | NA |
|----------|--|---|----|

SLR Notes:

NH PUC has only intrastate gas 60105(a) inspection authority

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| 6 | Did the state give written notice to PHMSA within 60 days of all probable violations found? Previous Question D(3).6
Yes = 1 No = 0 | 1 | NA |
|----------|--|---|----|

SLR Notes:

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|----------|--|---|----|
| 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:

NH PUC has only intrastate gas 60105(a) inspection authority

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|----------|---|-----------|-----------|
| 8 | Part C: General Comments/Regional Observations
Info Only = No Points | Info Only | Info Only |
|----------|---|-----------|-----------|

SLR Notes:

NH PUC has only intrastate gas 60105(a) inspection authority

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

PART D - Incident Investigations

Points(MAX) Score

- | | | | |
|----------|--|---|---|
| 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 Question E.1
Yes = 1 No = 0 Needs Improvement = .5 | 1 | 1 |
|----------|--|---|---|

SLR Notes:

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|----------|---|----|----|
| 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
Yes = .5 No = 0 | .5 | .5 |
|----------|---|----|----|

SLR Notes:

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|----------|--|---|---|
| 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 Notes:

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|----------|--|---|---|
| 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
Yes = 1 No = 0 Needs Improvement = .5 | 1 | 1 |
|----------|--|---|---|

SLR Notes:

No reportable incidents in CY 2010. PUC does evaluate incoming information and make a decision. Additional information may be obtained .

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|----------|---|---------------------------|--|
| 5 | Were investigations thorough and conclusions and recommendations documented in an acceptable manner? Previous Question E.5, comprehensive question worth 2 points total
Yes = 2 No = 0 Needs Improvement = 1 | 2 | NA |
| a. | Observations and Document Review | Yes <input type="radio"/> | No <input type="radio"/> Needs Improvement <input type="radio"/> |
| b. | Contributing Factors | Yes <input type="radio"/> | No <input type="radio"/> Needs Improvement <input type="radio"/> |
| c. | Recommendations to prevent recurrences where appropriate | Yes <input type="radio"/> | No <input type="radio"/> Needs Improvement <input type="radio"/> |

SLR Notes:

No reportable incident in CY 2010

- | | | | |
|----------|---|---|----|
| 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 | NA |
|----------|---|---|----|

SLR Notes:

No reportable incident in CY 2010

- | | | | |
|----------|--|----|----|
| 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
Yes = .5 No = 0 | .5 | NA |
|----------|--|----|----|

SLR Notes:

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|----------|---|-----------|-----------|
| 8 | Part D: General Comments/Regional Observations
Info Only = No Points | Info Only | Info Only |
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SLR Notes:

No reportable incident in CY 2010

Total points scored for this section: 3.5
Total possible points for this section: 3.5



PART E - Damage Prevention Initiatives

Points(MAX) Score

- | | | | |
|----------|--|---|---|
| 1 | 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:

NH receives LDC O&M electronically. PUC reviews changes and has access to most current versions

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|----------|--|---|---|
| 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
Yes = 2 No = 0 | 2 | 2 |
|----------|--|---|---|

SLR Notes:

NH Damage Prevention Rules require positive responses

- | | | | |
|----------|---|---|---|
| 3 | 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:

PUC has a strong mature damage prevention program due to strong support to various stakeholders.

- | | | | |
|----------|---|---|---|
| 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 | 1 | 1 |
|----------|---|---|---|

SLR Notes:

PUC collects and analyzes data for trends.

- | | | | |
|----------|--|---|---|
| 5 | 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?
Yes = 2 No = 0 | 2 | 2 |
|----------|--|---|---|

SLR Notes:

All operators are required to report damages to their facilities to PUC Form E26 (15 auses are listed in form)

- | | | | |
|----------|---|-----------|-----------|
| 6 | Part E: General Comments/Regional Observations
Info Only = No Points | Info Only | Info Only |
|----------|---|-----------|-----------|

SLR Notes:

Non-utility report (excavation) form

Total points scored for this section: 9
Total possible points for this section: 9

PART F - Field Inspection

Points(MAX) Score

- | | | | |
|----------|---|-----------|-----------|
| 1 | Operator, Inspector, Location, Date and PHMSA Representative
Info Only = No Points | Info Only | Info Only |
|----------|---|-----------|-----------|

Name of Operator Inspected:

New Hampshire Gas/Unitil

Name of State Inspector(s) Observed:

Chet Kokozka/Dave Burnell

Location of Inspection:

Keene/ Portsmouth

Date of Inspection:

05/24/2011 and 05/25/2011

Name of PHMSA Representative:

Dino N. Rathod,P.E.

SLR Notes:

Replacement of 2-in bare steel, 4-in low pressure cast iron; Installation of new plastic pipe; OQ review/ check

- | | | | |
|----------|---|---|---|
| 2 | Was the operator or operator's representative notified and/or given the opportunity to be present during inspection? New 2008
Yes = 1 No = 0 | 1 | 1 |
|----------|---|---|---|

SLR Notes:

Comany crew performing installation

- | | | | |
|----------|--|---|---|
| 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 No = 0 | 2 | 2 |
|----------|--|---|---|

SLR Notes:

- | | | | |
|----------|--|---|---|
| 4 | Did the inspector thoroughly document results of the inspection? Previous Question F.3
Yes = 2 No = 0 | 2 | 2 |
|----------|--|---|---|

SLR Notes:

Both field inspection were thoroughly documented. I received copies by e-mail.

- | | | | |
|----------|---|---|---|
| 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
Yes = 1 No = 0 | 1 | 1 |
|----------|---|---|---|

SLR Notes:

- | | | | |
|----------|--|-----------|-----------|
| 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 Notes:

New Hampshire Gas- Field observation of pipe replacement wih plastic pipe; PUC inspector checked OQ records- pipe fusor qualifications. Dig Safe locate mark-outs were noted
UNITIL contractor Neuco crew was installing Yellowstripe plastic pipe to replace cast iron. PUC inspector checked Dig Safe locates, OQ covered tasks butt fusion and heating iron suface temp. Minor issues were noted by inspectors and will be followed up by PUC.

- | | | | |
|----------|--|-------------------------------------|---|
| 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 No = 0 Needs Improvement = 1 | 2 | 2 |
| a. | Procedures | <input checked="" type="checkbox"/> | |
| b. | Records | <input checked="" type="checkbox"/> | |
| c. | Field Activities/Facilities | <input checked="" type="checkbox"/> | |

d. Other (Please Comment)

☐

SLR Notes:

-
- | | | | |
|----------|---|---|---|
| 8 | Did the inspector have adequate knowledge of the pipeline safety program and regulations? (Liaison will document reasons if unacceptable) Previous Question F.8
Yes = 2 No = 0 | 2 | 2 |
|----------|---|---|---|

SLR Notes:

-
- | | | | |
|----------|--|---|---|
| 9 | Did the inspector conduct an exit interview? (If inspection is not totally complete the interview should be based on areas covered during time of field evaluation) Previous Question F.10
Yes = 1 No = 0 | 1 | 1 |
|----------|--|---|---|

SLR Notes:

-
- | | | | |
|-----------|--|---|---|
| 10 | During the exit interview, did the inspector identify probable violations found during the inspections? Previous Question F.11
Yes = 1 No = 0 | 1 | 1 |
|-----------|--|---|---|

SLR Notes:

Several issues were noted as a result of field activity observed by inspectors>
1) Gas meter not being locked in North Hampton Village Shopping Ctr.
2) Access to OQDB (NGA) and issues with information not being up-to-date.
3) Concern with gas meter protection from possible vehicular damage
PUC agreed to follow-up these and provide an update, as necessary.

-
- | | | | |
|-----------|---|-----------|-----------|
| 11 | What did the inspector observe in the field? (Narrative description of field observations and how inspector performed)
Info Only = No Points | Info Only | Info Only |
|-----------|---|-----------|-----------|

SLR Notes:

See details in Q F -6

-
- | | | | |
|-----------|--|-----------|-----------|
| 12 | Best Practices to Share with Other States - (Field - could be from operator visited or state inspector practices)
Info Only = No Points | Info Only | Info Only |
|-----------|--|-----------|-----------|

SLR Notes:

-
- | | | | |
|-----------|--|-------------------------------------|-----------|
| 13 | Field Observation Areas Observed (check all that apply)
Info Only = No Points | Info Only | Info Only |
| a. | Abandonment | <input type="checkbox"/> | |
| b. | Abnormal Operations | <input type="checkbox"/> | |
| c. | Break-Out Tanks | <input type="checkbox"/> | |
| d. | Compressor or Pump Stations | <input type="checkbox"/> | |
| e. | Change in Class Location | <input type="checkbox"/> | |
| f. | Casings | <input type="checkbox"/> | |
| g. | Cathodic Protection | <input type="checkbox"/> | |
| h. | Cast-iron Replacement | <input checked="" type="checkbox"/> | |
| i. | Damage Prevention | <input checked="" type="checkbox"/> | |
| j. | Deactivation | <input type="checkbox"/> | |
| k. | Emergency Procedures | <input type="checkbox"/> | |
| l. | Inspection of Right-of-Way | <input type="checkbox"/> | |
| m. | Line Markers | <input type="checkbox"/> | |
| n. | Liaison with Public Officials | <input type="checkbox"/> | |
| o. | Leak Surveys | <input type="checkbox"/> | |

p.	MOP	<input type="checkbox"/>
q.	MAOP	<input type="checkbox"/>
r.	Moving Pipe	<input type="checkbox"/>
s.	New Construction	<input type="checkbox"/>
t.	Navigable Waterway Crossings	<input type="checkbox"/>
u.	Odorization	<input type="checkbox"/>
v.	Overpressure Safety Devices	<input type="checkbox"/>
w.	Plastic Pipe Installation	<input checked="" type="checkbox"/>
x.	Public Education	<input type="checkbox"/>
y.	Purging	<input type="checkbox"/>
z.	Prevention of Accidental Ignition	<input type="checkbox"/>
A.	Repairs	<input type="checkbox"/>
B.	Signs	<input type="checkbox"/>
C.	Tapping	<input type="checkbox"/>
D.	Valve Maintenance	<input type="checkbox"/>
E.	Vault Maintenance	<input type="checkbox"/>
F.	Welding	<input type="checkbox"/>
G.	OQ - Operator Qualification	<input checked="" type="checkbox"/>
H.	Compliance Follow-up	<input type="checkbox"/>
I.	Atmospheric Corrosion	<input type="checkbox"/>
J.	Other	<input type="checkbox"/>

SLR Notes:

14 Part F: General Comments/Regional Observations

Info Only Info Only

Info Only = No Points

SLR Notes:

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

- | | | | |
|----------|---|-----|-----|
| 1 | 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:

- 1 PUC pays close attention to cast iron and bare steel pipes(older, leak prone) and minimize risk of leak related hazards. In last several years, PUC initiated Commission Orders (CY 1999, 2000, 2007 &2008. Based on this, one operator was required to have a fomalized cast iron/ bare steel replacement program. 2nd operator will be required to remove all remaining 40 miles of bare steel. This will leave a very small percentage of large diameter CI
 2. Distribution Transmission- all 3 miles are considered within HCA.
 3. UNITIL chose to reduce pressure belwo 20% SMYS. No longer HCAs.
- Age and ability to conduct ILI are also taken into accout.

- | | | | |
|----------|---|----|-----|
| 2 | Are inspection units broken down appropriately? (see definitions in Guidelines) | .5 | 0.5 |
| | Yes = .5 No = 0 | | |

SLR Notes:

- Yes; PUC has broken inspection units per State Guideline Manual definitions.
1. LP Each operating center as a separate unit.

- | | | | |
|----------|---|-----------|-----------|
| 3 | Consideration of operators DIMP Plan? (if available and pending rulemaking) | Info Only | Info Only |
| | Info Only = No Points | | |

SLR Notes:

- | | | | |
|----------|---|----|-----|
| 4 | Does state inspection process target high risk areas? | .5 | 0.5 |
| | Yes = .5 No = 0 | | |

SLR Notes:

1. PUC strongly cast iron /bare steel pipe replacements and closely monitors as part of LDC inspection activities.
- 2.PUC flows inspection modules to allow cycle various types of inspection activities.

Use of Data to Help Drive Program Priority and Inspections

- | | | | |
|----------|---|----|-----|
| 5 | Does state use data to analyze effectiveness of damage prevention efforts in the state? (DIRT or other data, etc) | .5 | 0.5 |
| | Yes = .5 No = 0 | | |

SLR Notes:

1. PUC maintains a database for inspection records, damage causes, and track possible violations, compliance orders. In addition, PUC maintains civil penalty details since 2001, contractor history, training programs as a Tatining Database.
2. PUC has a strong damage prevention program with effective enforcement of One Call violations.

- | | | | |
|----------|--|----|-----|
| 6 | Has state reviewed data on Operator Annual reports for accuracy? | .5 | 0.5 |
| | Yes = .5 No = 0 | | |

SLR Notes:

PUC works closely with PHMSA. PUC reviews LDC Annual Reports for Accuracy.

- | | | | |
|----------|---|----|-----|
| 7 | Has state analyzed annual report data for trends and operator issues? | .5 | 0.5 |
| | Yes = .5 No = 0 | | |

SLR Notes:

PUC performs data review for trends using Excel spreadsheets.

- | | | | |
|----------|--|----|-----|
| 8 | Has state reviewed data on Incident/Accident reports for accuracy? | .5 | 0.5 |
|----------|--|----|-----|

Yes = .5 No = 0

SLR Notes:

PUC closely works with PHMSA. However, PUC does not have history of any significant gas incidents.

9	Does state do evaluation of effectiveness of program based on data? (i.e. performance measures, trends, etc.)	.5	0.5
----------	---	----	-----

Yes = .5 No = 0

SLR Notes:

1. PUC closely monitors cast iron and bare steel pipe replacement to help enhance reduction in leaks and better pipe material.
2. PUC also allows Rate Recovery and make changes to Program Scope through Formal Commission Order in Docket(s).
3. The Commission also works closely and strongly supports efforts by Gas Safety Program Director and staff members.

10	Did the State input all operator qualification inspection results into web based database provided by PHMSA in a timely manner upon completion of OQ inspections? Previous Question B.15	.5	0.5
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Yes = .5 No = 0

SLR Notes:

PUC staff performed 10 OQ inspections and were uploaded in federal OQDB.

11	Did the State submit their replies into the Integrity Management Database (IMDB) in response to the Operators notifications for their integrity management program? Previous Question B.16	.5	0.5
-----------	--	----	-----

Yes = .5 No = 0

SLR Notes:

12	Have the IMP Federal Protocol forms been uploaded to the IMDB? Previous Question B.17	.5	0.5
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Yes = .5 No = 0

SLR Notes:

In CY 2009, PUC performed IMP inspection and uploaded field visit to National Grid and University of New Hampshire Plan reviews.

13	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? Previous Question B.18	.5	0.5
-----------	---	----	-----

Yes = .5 No = 0

SLR Notes:

PUC requires National Grid (NG) to file plastic pipe failures information to Gas Safety Div. PUC is also considering expanding to include UNITIL.

14	Has state confirmed transmission operators have submitted information into National Pipeline Mapping System (NPMS) database along with any changes made after original submission?	.5	0.5
-----------	--	----	-----

Yes = .5 No = 0

SLR Notes:

NH confirmed that transmission operators have submitted into NPMS.

Accident/Incident Investigation Learning and Sharing Lessons Learned

15	Has state shared lessons learned from incidents/accidents? (i.e. NAPS meetings and communications)	.5	0.5
-----------	--	----	-----

Yes = .5 No = 0

SLR Notes:

PUC attends and participates in NAPS and NEPS meetings and various committees. PUC also shares pertinent information with stakeholders.

16	Does the State support data gathering efforts concerning accidents? (Frequency/Consequence/etc)	.5	0.5
-----------	---	----	-----

Yes = .5 No = 0

SLR Notes:

PUC typically gathers information regarding "Response Times" to leaks and customer odor complaints, all damage prevention data maintained at PUC in a database.

17	Does state have incident/accident criteria for conducting root cause analysis?	Info Only	Info Only
-----------	--	-----------	-----------

Info Only = No Points

SLR Notes:

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

Info Only Info Only

Info Only = No Points

SLR Notes:

19 Has state participated on root cause analysis training? (can also be on wait list)

.5

0.5

Yes = .5 No = 0

SLR Notes:

Randy Knepper attended in Aug 2009. In addiotn, both PUC inspectors D. Burnell and C. Kokozska were waitlisted and scheduled to take in June 2011.

Transparency - Communication with Stakeholders

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

.5

0.5

Yes = .5 No = 0

SLR Notes:

1. Fall 2011 Pipeline Safety Awareness Meeting with State Fire Marshall
2. PUC attends Public Works Directors meeting several times a year.
3. PUC actively particpates in Damage Prevention Training.

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

.5

0.5

Yes = .5 No = 0

SLR Notes:

PUC has a webpage. Dockets are available.<http://www.puc.state.nh.us/regulatory/docketbk>
Randy Knepper is a Chair of NARUC's Staff Subcommittee on Pipeline Safety.

22 Part G: General Comments/Regional Observations

Info Only Info Only

Info Only = No Points

SLR Notes:

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



PART H - Miscellaneous

Points(MAX) Score

- | | | | |
|----------|---|----|-----|
| 1 | What were the major accomplishments for the year being evaluated? (Describe the accomplishments, NAPSR Activities and Participation, etc.)
Yes = .5 No = 0 | .5 | 0.5 |
|----------|---|----|-----|

SLR Notes:

1. PUC performed Granite State Pipeline Study and extensive review was performed.
- PUC updating detailed map of jurisdictional LPG operators in NH
3. PUC continue to maintain Dig Safe activities and work with various stakeholders.

- | | | | |
|----------|--|----|-----|
| 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 Notes:

1. PUC working with update of Code of Rules for Gas Swervice, CH 500 expiring in CY 2013. NH has 25 rules more stringent than Part 192 requirements.

- | | | | |
|----------|--|----|-----|
| 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 Notes:

- PUC has a strong support for replacment of bare steel and cast iron pipes. 7 mils of CI and 5 miles o bare steel pipes were replaced in CY 2010.

- | | | | |
|----------|--|---|---|
| 4 | Did the state participate in/respond to surveys or information requests from NAPSR or PHMSA?
Yes = 1 No = 0 | 1 | 1 |
|----------|--|---|---|

SLR Notes:

- PUC has actively participated in NAPSR survey/ information requests

- | | | | |
|----------|---|----|-----|
| 5 | Sharing Best Practices with Other States - (General Program)
Yes = .5 No = 0 | .5 | 0.5 |
|----------|---|----|-----|

SLR Notes:

- PUC continues to actively participate in sharing information with other states and various NASPR committees.

- | | | | |
|----------|---|-----------|-----------|
| 6 | Part H: General Comments/Regional Observations
Info Only = No Points | Info Only | Info Only |
|----------|---|-----------|-----------|

SLR Notes:

Total points scored for this section: 3
Total possible points for this section: 3

PART I - Program Initiatives

Points(MAX) Score

Drug and Alcohol Testing (49 CFR Part 199)

- | | | | |
|----------|---|---|---|
| 1 | Has the state verified that operators have drug and alcohol testing programs?
Yes = 1 No = 0 | 1 | 1 |
|----------|---|---|---|

SLR Notes:

PUC conducted 2 D&A inspections (Oct/Nov 2010)

- | | | | |
|----------|--|----|-----|
| 2 | Is the state verifying that operators are conducting the drug and alcohol tests required by the operators program (random, post-incident, etc.)
Yes = .5 No = 0 | .5 | 0.5 |
|----------|--|----|-----|

SLR Notes:

- | | | | |
|----------|---|----|-----|
| 3 | Is the state verifying that any positive tests are responded to in accordance with the operator's program?
Yes = .5 No = 0 | .5 | 0.5 |
|----------|---|----|-----|

SLR Notes:

Qualification of Pipeline Personnel (49 CFR Part 192 Subpart N)

- | | | | |
|----------|---|---|---|
| 4 | Has the state verified that operators have a written qualification program?
Yes = 1 No = 0 | 1 | 1 |
|----------|---|---|---|

SLR Notes:

PUC conducted 7 OQ inspections in CY 2010 and used OQ protocols

- | | | | |
|----------|--|----|-----|
| 5 | Has the state reviewed operator qualification programs for compliance with PHMSA rules and protocols?
Yes = .5 No = 0 | .5 | 0.5 |
|----------|--|----|-----|

SLR Notes:

- | | | | |
|----------|--|----|-----|
| 6 | Is the state verifying that persons who perform covered tasks for the operator are qualified in accordance with the operator's program?
Yes = .5 No = 0 | .5 | 0.5 |
|----------|--|----|-----|

SLR Notes:

- | | | | |
|----------|--|----|-----|
| 7 | Is the state verifying that persons who perform covered task for the operator are requalified at the intervals specified in the operator's program?
Yes = .5 No = 0 | .5 | 0.5 |
|----------|--|----|-----|

SLR Notes:

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

- | | | | |
|----------|--|---|---|
| 8 | 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 | 1 | 1 |
|----------|--|---|---|

SLR Notes:

PUC inspected National Grid (KeySpan) Energy Delivery North Dec 2010.

- | | | | |
|----------|--|----|-----|
| 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 | .5 | 0.5 |
|----------|--|----|-----|

SLR Notes:

10	Has the state reviewed operator IMPs for compliance with Subpart O? (In accordance with State Inspection plan) Yes = .5 No = 0	.5	0.5
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SLR Notes:

11	Is the state monitoring operator progress on the inspections, tests and remedial actions required by the operator's IMP, including that they are being done in the manner and schedule called for in its IMP? Yes = .5 No = 0	.5	0.5
-----------	--	----	-----

SLR Notes:

12	Is the state verifying that operators are periodically examining their transmission line routes for the appearance of new HCAs? Yes = .5 No = 0	.5	0.5
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SLR Notes:

Public Awareness (49 CFR Section 192.616)

13	Has the state verified that each operator has developed a continuing public awareness program? (due date was 6/20/06 for most operators, 6/20/07 for certain very small operators, 6/13/08 for master meters) Yes = .5 No = 0	.5	0.5
-----------	--	----	-----

SLR Notes:

PUC has performed Public Awareness inspection activities (National Grid and Unitil) in 2008.

14	Has the state reviewed the content of these programs for compliance with 192.616 (by participating in the Clearinghouse or by other means)? Yes = .5 No = 0	.5	0.5
-----------	--	----	-----

SLR Notes:

15	Is the state verifying that operators are conducting the public awareness activities called for in its program? Yes = .5 No = 0	.5	0.5
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SLR Notes:

16	Is the state verifying that operators have evaluated their Public Awareness programs for effectiveness as described in RP1162? Info Only = No Points	Info Only	Info Only
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SLR Notes:

17	Part I: General Comments/Regional Observations Info Only = No Points	Info Only	Info Only
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SLR Notes:

Total points scored for this section: 9
Total possible points for this section: 9