

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

2010 Natural Gas State Program Evaluation

for

NEW JERSEY BOARD OF PUBLIC UTILITIES

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 Jerse	y	Rating:		
Agency Status:		60105(a): Yes	60106(a): No	Interstate Agent: No
Date of Visit: 09/19/2011	- 09/23/2011			
Agency Representative:	Michael Stonack			
PHMSA Representative:	Dino N. Rathod			
Commission Chairman t	o whom follow up letter is to be	sent:		
Name/Title:	Mr. Lee A. Solomon, President			
Agency:	New Jersey Board of Public Util	lities		
Address:	44South Clinton Avenue, 9th Flo	oor		
City/State/Zip:	Trenton, New Jersey 08625-035	50		

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

Scoring Summary

PARTS	6	Possible Points	Points Scored
А	General Program Qualifications	26	26
В	Inspections and Compliance - Procedures/Records/Performance	23.5	23.5
С	Interstate Agent States	0	0
D	Incident Investigations	7	6
Е	Damage Prevention Initiatives	9	9
F	Field Inspection	11	11
G	PHMSA Initiatives - Strategic Plan	10	10
Н	Miscellaneous	3	3
Ι	Program Initiatives	9	9
ΤΟΤΑΙ	LS	98.5	97.5
State R	ating		99.0

1	Certifica attachm	state submit complete and accurate information on the attachments to its most current 60105(a) ation/60106 (a) Agreement? (NOTE: PHMSA Representative to verify certification/agreement ents 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	8
		o = 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	
	с. f.	State record maintenance and reporting (6)	\boxtimes	
	g.	State employees directly involved in the gas pipeline safety program (7)	\boxtimes	
CLD N	h. Tataat	State compliance with Federal requirements (8)	\boxtimes	
	tachment 7: In	nspector Qualification Categories apply to State Pipeline Safety Inspectors. These categories do not apply e Guideline Chapter 4)	to Admini	strative Support staff.
2	with 60 property	state have an adequate mechanism to receive operator reporting of incidents to ensure state compliance $105(a)$ Certification/60106(a) Agreement requirements (fatality, injury requiring hospitalization, a damage exceeding \$50,000 - Mechanism should include receiving "after hours" reports)? (Chapter 6) s Question A.2 o = 0	1	1
SLR N	lotes:			
NJ	JSA, SubChap	ter 4, 14:2-4.4 for reporting Accidents and Emergencies		
3	state req be held Yes = 2 N	state held a pipeline safety TQ seminar(s) in the last 3 years? (NOTE: Indicate date of last seminar or if juested seminar, but T&Q could not provide, indicate date of state request for seminar. Seminars must at least once every 3 calendar years.) (Chapter 8.5) Previous Question A.4 $_{0} = 0$	2	2
SLR N	lotes:			
N.	BPU held Ta	&Q seminar in Oct 2010.		
4	Were pi	peline safety program files well-organized and accessible?(NOTE: This also includes electronic files)	1	1
	(Chapter Yes = 1 N	r 5) Previous Question A.5 o = 0		
	PU maintains	a combination of hard copies and limited elctronic files. Files are accessible. It is noted that pPrevious effo hek lists/ Forms have not been successful.	rts to upgr	ade electronic database
5	of PHM	e records and discussions with the state pipeline safety program manager indicate adequate knowledge SA program and regulations? (Chapter 4.1, Chapter 8.1) Previous Question A.6 o = 0 Needs Improvement = 1	2	2
	ogram Manag	er Mike Stonack has gained valuable pipeline operational and regulatory experience. In addiotn, he has co vides guidance to BPU pipeline safety inspection staff. He works closely with , NAPSR, PHMSA ER and		
6	Region's	state respond in writing within 60 days to the requested items in the Chairman's letter following the s last program evaluation? (No response is necessary if no items are requested in letter and mark "Yes") r 8.1) Previous Question A.8 $_{0} = 0$	1	1
SLR N	lotes:			
NJ	BPU Preside	ent letter response dated Feb 16, 2011 was received within 60 days.		
7	previous	tions, if necessary, did the State initiate as a result of issues raised in the Chairperson's letter from the s year? Did actions correct or address deficiencies from previous year's evaluation? (No response is y if no items are requested in letter and mark "Yes") (Chapter 8.1) Previous Question A.8/A.9 $o = 0$	1	1

BPU has been unable to make any viable progress in upgrading electronic database and inspection checklists. BPU agreed to pursue it vigorously and help implement needed changes ASAP.

Der	reannal and Qualifications		
Per	rsonnel 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 = $3 \text{ No} = 0$	3	3
SLR Not			
SEITTIO			
9	Brief Description of Non-TQ training Activities:	Info Only	Info Only
	Info Only = No Points		
	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	1	1
SLR Not	Yes = 1 No = 0 tes:		
SEITTIO			
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 $Y_{es} = 1 N_0 = 0$	1	1
SLR Not			
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 $Yes = 5 No = 0$	5	5
	A. Total Inspection Person Days (Attachment 2): 409.00		
	B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7): 220 X 3.00 = 660.00		
	Ratio: A / B 409.00 / 660.00 = 0.62		
	If Ratio ≥ 0.38 Then Points = 5, If Ratio < 0.38 Then Points = 0		
	Points = 5		
SLR Not			
Ratic	o calculated> 0.38; 5 points		

¹³ 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:

14 Part-A General Comments/Regional Observations Info Only = No Points

SLR Notes:

Info Only Info Only

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

Ins	pec	tion Procedures			
1	(Ch	es the State have a written inspection plan to complete the following? (all types of operators including LNG) apter 5.1) Previous Question B.1 + Chapter 5 Changes + Incorporate LNG = 6.5 No = 0 Needs Improvement = 50% Deduction	6.5	6	.5
	a	Standard Inspections (Including LNG) (Max points = 2)	Yes 💿	No 🔿	Needs Improvement
	b	IMP Inspections (Including DIMP) (Max points = .5)	Yes 💿	No 🔿	Needs Improvement
	c	OQ Inspections (Max points = .5)	Yes 💿	No 🔿	Needs Improvement
	d	Damage Prevention (Max points = .5)	Yes 💿	No 🔿	Needs Improvement
	e	On-Site Operator Training (Max points = .5)	Yes 💿	No 🔿	Improvement
	f	Construction Inspections (Max points = .5)	Yes 💿	No 🔿	Needs Improvement
	g	Incident/Accident Investigations (Max points = 1)	Yes 💿	No 🔿	Needs Improvement
	h	Compliance Follow-up (Max points = 1)	Yes 💿	No 🔿	Needs Improvement
SLR No	tes:				
2	Qu	the written Procedures for selecting operators adequately address key concerns? (Chapter 5.1) Previous estion B.2, items a-d are worth .5 point each = 2 No = 0 Needs Improvement = 50% Deduction	2		2
	a	Length of time since last inspection	Yes 💿	No 🔿	Needs Improvement
	b	History of Operator/unit and/or location (including leakage , incident and compliance history)	Yes 💿	No 🔿	Needs Improvement
	c	Type of activity being undertaken by operator (construction etc)	Yes 💿	No 🔿	Needs Improvement
	d	For large operators, rotation of locations inspected	Yes 🖲	No 🔿	Needs Improvement

SLR Notes:

Ins	spection 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 $Y_{es} = 2 N_0 = 0$	2	2
SLR No	tes:		
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 $Y_{es} = 1 N_0 = 0$	1	1
	tes: I also discussed with BPU to consider migration to electronic Inspection Check Lists and Inspection Forms. It will al e these documents.	low efficien	nt way to review and
5	Did state complete all applicable portions of inspection forms? (Chapter 5.1 (3)) Previous Question B.5 $Y_{es} = 1 N_0 = 0$	1	1
SLR No	tes:		
6	Did the state initiate appropriate follow-up actions to Safety Related Condition Reports? (Chapter 6.3) Previous Question B.6 $Y_{es} = .5 N_0 = 0$.5	NA

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 $Y_{es} = .5 N_0 = 0$.5	.5
SLR No	tes:		
NJ II	uspection Check List GS-9, Item 18 Condition of Pipe (192.459)		
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 $Y_{es} = .5 \text{ No} = 0$.5	.5
SLR No	tes:		
BPU	Inspection Form GS-2, Page 2 of 6. BPU reviews each LDC procedures (example: NJNG Procedure 3.07-01)		
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:		
BPU	Inspection Check List GS-3, Pages 2 & 3 (Example NJNG Procedure Section 4 nad 3.01-03		
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
CLD M.	Yes = 1 No = 0		
	tes: Inspection Check List GS-3 (Part 192.617) - Inspectors perform review of each LDC records of previous gas inciden damages.	ts and possible t	failures and 3rd
Co	mpliance - 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
SLR No			
SERTIO			
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 = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	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 $D(1).3$ Yes = 1 No = 0 Needs Improvement = .5	1	1

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 $D(1).4$ Yes = 1 No = 0	1	1	
SLR Not				
	Y 2010 BPU found 19 Probable Violations. 15 Compliance Actions were taken.			
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 Not	es:			
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	NA	
SLR Not	es:			
For C	Y 2010 BPU found 19 Probable Violations. 15 Compliance Actions were taken			
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 Not	-			
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 Not				
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 Not				
Co	mpliance - 60106(a) States			
21	Did the state use the current federal inspection form(s)? Previous Question D(2).1	1	NA	
SLR Not	Yes = 1 No = 0 Needs Improvement = .5 es:			
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 Not				
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	
SLR Not	Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$ es:			

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
SLR Not	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 Not	*		
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 Not	tes:		
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	Info Only
SLR Not			
BPU	Program Manager is very familiar with process of imposing civil penalties. BPU actively pursues civil penalties fo	r certain vio	plations.
28	Part B: General Comments/Regional Observations	Info Only	Info Only
SI D Not	Info Only = No Points		

Total points scored for this section: 23.5 Total possible points for this section: 23.5

1			
	Did the state use the current federal inspection form(s)? Previous Question D(3).1	1	NA
SLR Not	Yes = 1 No = 0 Needs Improvement = .5 eS:		
	Are results documented demonstrating inspection units were reviewed in accordance with "DUMSA directed	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	I	INA
SLR Not	es:		
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 Not	es:		
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 = $1 \text{ No} = 0$	1	NA
SLR Not			
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	1	NA
SLR Not	Yes = 1 No = 0 Needs Improvement = .5 es:		
SLR Not		1	NA
6	es: 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
6	es: 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 NA
6 SLR Not 7	es: 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 es: 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		
6 SLR Not 7	es: 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 es: 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 es: Part C: General Comments/Regional Observations	1	
SLR Not 7 SLR Not	es: 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 es: 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 es: Part C: General Comments/Regional Observations Info Only = No Points	1	NA
6 SLR Not 7 SLR Not 8	es: 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 es: 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 es: Part C: General Comments/Regional Observations Info Only = No Points	1	NA

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	1	1	1
SLR No	Yes = 1 No = 0 Needs Improvement = .5 tes:			
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	5
SLR No	tes:			
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	tes:			
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 = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	1	1	1
SLR No				
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]	1
	a. Observations and Document Review	Yes 🔿	No 🔿	Needs Improvement
	b. Contributing Factors	Yes 🛈	No 🔿	Needs Improvement
	c. Recommendations to prevent recurrences where appropriate	Yes 🔿	No 🔿	Needs Improvement
vario	tes: ussed with BPU need for completing and issuing a Final Failure Investigation Report in timely manner. BPU shared ous documents. I suggetsed that it is essential to finalize final report with supporting documentation organized in an stigation form (similar to other ER states-such as MD uses). BPU agreed to implement my suggestions and finalize	acceptable	manner and	der with
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	1	1
SLR No BPU				
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 = $.5 \text{ No} = 0$.5	0.5	5
SLR No BPU				
8	Part D: General Comments/Regional Observations	Info Only	Info Only	ý
SLR No	Info Only = No Points tes:			

BPU reported 3 Incidents for CY 2010

Total points scored for this section: 6 Total possible points for this section: 7



	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 = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
]		es: ional Drilling is a section of the NJ Administrative Code N.J.A.C. 14:7 that requires compliance by NJ gas utilities ldressed in their procedure manuals	and the requ	irements are included
	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 = $2 \text{ No} = 0$	2	2
			positive resp	onse. Also, NJBPU
	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 = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
1	in 201	es: nspectors review 2010 NJ Common Ground Alliance meeting agendas and newsletters during on-site evaluation: 8 1 SDP Grant Application. Also, during the on-site evaluation, Underground Damage Prevention Guideline bookle uted in January 2011		
	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 $Y_{es} = 1 N_0 = 0$	1	1
]		es: U 2011 One Call Grant project will continue the analysis of excavation damage data for 2009, 2010, and 2011 that and 2008.	has already l	been performed for
:	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 = $2 \text{ No} = 0$	2	2
]		es: nspections follow a continual process of reviewing operator's records of accidents and failures due to excavation da tion, the mapping of 2010 natural gas damages will be reviewed relative to ensuring that causes of failure are addr		
	6	Info Only = No Points	Info Only	info Only
	Note BUP h	es: as a strong damage prevention program.		

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

1	-	r, Inspector, Location, Date and PHMSA Representative = No Points	Info Only	Info Only
		Operator Inspected: rsey Natural Gas (SJNG)		
		State Inspector(s) Observed: Ilo/ John Prieto		
		of Inspection: pro (Sewell)		
	Date of 1 09/20/20	Inspection: 111		
	Dino Ra	PHMSA Representative: thod		
SLR No	otes:			
Obse	erved New (Construction for replacement of main and services; OQ #9 ; Gas transmission IMP and DIMP implemete	ition status i	eview.
2		operator or operator's representative notified and/or given the opportunity to be present during on? New 2008 $p = 0$	1	1
SLR No	otes:			
SJN	G Reps were	e present at jobsite and to discuss IMP and DIMP status review/ updates		
3		nspector use an acceptable inspection form/checklist and was the form/checklist used as a guide for the n ? (New regulations shall be incorporated) Previous Question F.2 = 0	2	2
SLR No	otes:			
BPU	J inspector u	sed Inspection Check List GS-9-PL and operator qualification Protocol form for field verification		
4	Did the i Yes = 2 No	nspector thoroughly document results of the inspection? Previous Question F.3 p = 0	2	2
SLR No	otes:			
Both	n inspectors	filled-in check list and OQ # 9 Protocol form and provided me copies upon completion of field activities	3.	
5		nspector check to see if the operator had necessary equipment during inspection to conduct tasks (Maps, pyrometer, soap spray, CGI, etc.) New 2008 $= 0$	1	1
SLR No	otes:			
BPU	J inspector a	sked questions regarding calibration of butt-fusion equipment, hea=ting iron and digital pyrometer.		
6	Standard	be of inspection(s) did the state inspector conduct during the field portion of the state evaluation? (i.e. I, Construction, IMP, etc) New 2008 = No Points	Info Only	Info Only
	otes: main and se	ervices replacement by contractor crew-Crown Pipleine in Barnesboro. 8-inc med density plastic pipe. I of butt fusion. BPU inspectors also discussed Gas IMP and DIMP status updates	3PU inspect	or also conducted OQ# 9
7	that appl	nspector adequately review the following during the field portion of the state evaluation? (check all y on list) New 2008, comprehensive question worth 2 points total	2	2
	a.	Procedures		
	b.	Records		
	с.	Field Activities/Facilities	\boxtimes	
	d.	Other (Please Comment)	\boxtimes	
	u.	caller (1 louise commonly)		

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 No	tes:		
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 No	tes:		
10	During the exit interview, did the inspector identify probable violations found during the inspections? Previous Question F.11 Yes = $1 \text{ No} = 0$	1	NA
SLR No	tes:		
No i	ssues were found during this field activity.		
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
insta	tes: Illation of 8-in med density plastic main as part of 21,000 ft replacement of exist pipe and 173 services. SJNG contra Iling new plastic pipe. BPU inspector observed butt-fusion, checked qualifications, One call locate verification. Perfor r. In addiotn, BPU reviewed Gas transmision IMP and DIMP implementation status and provided an overview. No is	ormed field	l verification of pipe
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

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	\boxtimes

	t.	Navigable Waterway Crossings
	u.	Odorization
	v.	Overpressure Safety Devices
	w.	Plastic Pipe Installation
	x.	Public Education
	y.	Purging
	Z.	Prevention of Accidental Ignition
	А.	Repairs
	B.	Signs
	C.	Tapping
	D.	Valve Maintenance
	E.	Vault Maintenance
	F.	Welding
	G.	OQ - Operator Qualification
	Н.	Compliance Follow-up
	I.	Atmospheric Corrosion
	J.	Other
SLR Notes:		

14 Part F: General Comments/Regional Observations Info Only = No Points

SLR Notes:

Info Only Info Only

 \boxtimes \boxtimes

Total points scored for this section: 11

Total possible points for this section: 11

PART G - PHMSA Initiatives - Strategic Plan Risk base Inspections - Targeting High Risk Areas 1.5 1.5 1 Does state have process to identify high risk inspection units? 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: Yes, high risk inspection units are identified in the NJBPU Procedures Manual (Section 4c). BPU performs integrity inspections utilizing IMP protocols. BPU staff reviews LDCs IMP plan and records for details- HCA determination methodology, population density and other factors .5 0.5 2 Are inspection units broken down appropriately? (see definitions in Guidelines) Yes = .5 No = 0SLR Notes: inspection units correspond with districts for each gas utility Info Only Info Only 3 Consideration of operators DIMP Plan? (if available and pending rulemaking) Info Only = No Points SLR Notes: NJ gas utilities have submitted DIMP plans to the NJBPU Bureau of Pipeline Safety for review in CY 2011. .5 0.5 4 Does state inspection process target high risk areas? Yes = .5 No = 0SLR Notes: BPU pays close attention to cast iron and bare steel replacement programs; and pre-1970 ERW transmission pipeline replacement is currently planned within the NJBPU Accelerated Infrastructure Replacement Program Use of Data to Help Drive Program Priority and Inspections 0.5 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: natural gas damages are mapped, and NJBPU was approved and has performed One Call Grant Projects focused on analyzing data to determine effectiveness of the State damage prevention program. In addition, please see information provided for Program Evaluation Part E ? Damage Prevention Initiatives .5 0.5 6 Has state reviewed data on Operator Annual reports for accuracy? Yes = .5 No = 0SLR Notes: BPU receives and all gas operator reports are reviewed for accuracy and compared with main and service replacement information, and main extension projects .5 0.5 7 Has state analyzed annual report data for trends and operator issues? Yes = .5 No = 0SLR Notes: Yes, trends are analyzed for: cast iron and bare steel replacement, leak response reports, cast iron breaks, whether amount of open leaks are increasing or decreasing, etc .5 0.5 8 Has state reviewed data on Incident/Accident reports for accuracy? Yes = .5 No = 0

9	Does state do evaluation of effectiveness of program based on data? (i.e. performance measures, trends, etc.) Yes = $.5 \text{ No} = 0$.5	0.5	
	tes: the New Jersey Administrative Code gas pipeline regulations were revised as a result of performance measures and au of Pipeline Safety inspections including operator qualification, construction practices, welding, fusion, tracer wi			BPU
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 $Yes = .5 No = 0$.5	0.5	
SLR No	tes:			
Yes,	30 OQ Protocol 9 inspections were entered into the PHMSA database in 2010			
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 $Y_{es} = .5 N_0 = 0$.5	0.5	
SLR No	tes:			
Ther	e were no gas operator notifications submitted for 2010			
12	Have the IMP Federal Protocol forms been uploaded to the IMDB? Previous Question B.17 $Yes = .5 No = 0$.5	0.5	
SLR No				
Yes,	the IMP Federal Protocol forms were uploaded into the IMDB			
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 Yes = $.5 \text{ No} = 0$.5	0.5	
SLR No	tes:			
Yes,	but no plastic pipe defects or leak concerns were identified in 2010			
14	Has state confirmed transmission operators have submitted information into National Pipeline Mapping System (NPMS) database along with any changes made after original submission? Yes = $.5 \text{ No} = 0$.5	0.5	
SLR No	tes:			
Yes,	NJBPU has confirmed that intrastate gas transmission operators have submitted information into the National Pipel	ine Mappin	g System	
Ac	cident/Incident Investigation Learning and Sharing Lessons Learn	ied		
15	Has state shared lessons learned from incidents/accidents? (i.e. NAPSR meetings and communications) Yes = $.5 \text{ No} = 0$.5	0.5	
SLR No	tes:			
Yes,	information has been shared at NAPSR meetings and through e-mail correspondence			
16	Does the State support data gathering efforts concerning accidents? (Frequency/Consequence/etc) Yes = .5 No = 0	.5	0.5	
SLR No	tes:			
Yes,	major incidents / accidents are summarized in a spreadsheet.			
17	Does state have incident/accident criteria for conducting root cause analysis? Info Only = No Points	Info Only	Info Only	_
SLR No	tes:			
Yes,	incident / accident reports may contain root cause analysis and determination			

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

SLR Notes:

Info Only = No Points

19	Has state participated on root cause analysis training? (can also be on wait list)	.5	0.5
SLR No	$Y_{es} = .5 N_0 = 0$ tes:		
	NJBPU inspectors have attended root cause analysis training		
Tra	ansparency - Communication with Stakeholders		
20	Other than pipeline safety seminar does State communicate with stakeholders? (Communicate program data, pub awareness, etc.) Yes = $.5 \text{ No} = 0$.5	0.5
	tes: through NJBPU Bureau of Pipeline Safety personnel attending gas operators' quarterly meetings, NJ Common G wide natural gas damages, etc	round Alliance n	ewsletters, mapping of
21	Does state share enforcement data with public? (Website, newsletters, docket access, etc.) Yes = $.5 \text{ No} = 0$.5	0.5
	tes: through NJBPU Bureau of Pipeline Safety personnel attending gas operators' quarterly meetings, NJ Common G wide natural gas damages, etc	round Alliance n	ewsletters, mapping of
22	Part G: General Comments/Regional Observations Info Only = No Points	Info Only Ir	nfo Only

SLR Notes:

Total points scored for this section: 10

Total possible points for this section: 10

	1	What were the major accomplishments for the year being evaluated? (Describe the accomplishments, NAPSR Activities and Participation, etc.) Yes = $.5 \text{ No} = 0$.5	0.5	
	2. BPU 3BPU	S: J steel replacement in 2010- 88 mils of CI and 58 miles of bare steel J completed IMP baseline assessments of 4 operators in NJ worked with Rutgers Univ Center for Advanced Inforastructure & Trans (CAIT) and was awarded \$200,000 for strongly promotes damage Prevention. 811 logo was placed on LNG tank near NJTPKexit 16 W	a 2-year pro	oject.	
	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.) $Y_{es} = .5 N_0 = 0$.5	0.5	
		s: BPU has taken strong initiative for pipe replacementand State has Accelerated Energy Infrastructure Investment 12. \$238 million for qualifying projects: CI 92 and bare steel 80 miles of mains; 12.5 miles ofpre-1971 ERW and			1
	3	Any Risk Reduction Accomplishments/Projects? (i.e. Cast iron replacement projects, bare steel, third-party damage reductions, etc.) Yes = $.5 N_0 = 0$.5	0.5	
	2. State	S: BPU has taken strong initiative for pipe replacement. CI- 88 miles, Bare steel 58 miles and 19,812 bare steel serve e has Accelerated Energy Infrastructure Investment Program slated for completion by Oct 2012. \$238 million for 0 miles of mains; 12.5 miles ofpre-1971 ERW and 5.9 miles of coated steel		rojects: CI 92 and ba	are
	4	Did the state participate in/respond to surveys or information requests from NAPSR or PHMSA? Yes = $1 \text{ No} = 0$	1	1	
	Note NJ BPI	S: U actively participated in NAPSR and PHMSA survey requests			
	5	Sharing Best Practices with Other States - (General Program) Yes = .5 No = 0	.5	0.5	
SLR	Note				
	NJ BPI	U shared at ER NAPSR meeting and NAPSR/ PHMSA e-mail communications.			
	6 Note	Part H: General Comments/Regional Observations Info Only = No Points S:	Info Only	Info Only	

Total points scored for this section: 3

Total possible points for this section: 3

PAR	T I - Program Initiatives	Points(MAX)	Score	
D	rug and Alcohol Testing (49 CFR Part 199)			
1	Has the state verified that operators have drug and alcohol testing programs? Yes = $1 \text{ No} = 0$	1	1	
SLR No				
Dru	g Alcohol Testing Plan reviews were conducted by BPU staff in 2009 and 2010			
2	Is the state verifying that operators are conducting the drug and alcohol tests required by the operators pro (random, post-incident, etc.) Yes = $.5 \text{ No} = 0$	gram .5	0.5	
SLR No	otes:			
BPU	U staff performed record reviews. All NJ gas utilities were inspected in 2010			
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 No	otes:			
BPU	U staff performed verification when reviewing the records.			
Q	ualification of Pipeline Personnel (49 CFR Part 192 Subpart N)	1		
4	Has the state verified that operators have a written qualification program? Yes = $1 \text{ No} = 0$	1	1	
SLR No				
	Plan reviews were conducted in 2008 and 2009 for all NJ gas utilities			
5	Has the state reviewed operator qualification programs for compliance with PHMSA rules and protocols? Yes = $.5 \text{ No} = 0$.5	0.5	
SLR No				
	erator Qualification (OQ) Plan reviews were conducted using the PHMSA inspection forms (Protocols 1 thru 8 re performed in 2008 and 2009. All NJ gas utilities are currently being done again in 2011.	and the last review	s for all gas util	ities
6	Is the state verifying that persons who perform covered tasks for the operator are qualified in accordance with the operator's program? Yes = $.5 \text{ No} = 0$	with .5	0.5	
	otes: Covered task evaluations were performed using PHMSA Protocol 9 inspections forms. A total of 30 Protocol e entered into the PHMSA Operator Qualification Database (OQDB).	9 inspections were	performed in 20	10 an
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 = $.5 \text{ No} = 0$	s .5	0.5	
-	otes: verifications were performed on an ongoing basis and requalification dates were checked during construction task evaluations.	inspections, incider	t investigations,	and
G	as Transmission Pipeline Integrity Management (49 CFR Part 1	92 Subpart	0)	
8	Has the state verified that all operators with transmission pipelines have either adopted an integrity manage program (IMP), or have properly determined that one is not required? Yes = $1 \text{ No} = 0$	ement 1	1	
		ograms and these p	ograms have be	en
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? $Y_{\text{es}} = .5 \text{ No} = 0$.5	0.5	

During IMP Plan reviews, each operator was inspected to verify that potential impact radii were correctly calculated and that high consequence area definitions were applied properly

10	Has the state reviewed operator IMPs for compliance with Subpart O? (In accordance with State Inspection plan) $Y_{es} = .5 N_0 = 0$.5	0.5
SLR No			
All I	IMPs for NJ gas utility operators were inspected for compliance with Subpart O.		
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 .5	0.5
IMP that		ion, in Nove	ember 2010, NJ requested
12	Is the state verifying that operators are periodically examining their transmission line routes for the appearance of new HCAs? Yes = $.5 N_0 = 0$.5	0.5
	ntes: Bureau of Pipeline Safety is verifying that operators are examining their transmission pipeline routes for the appeara MP Rule and is contained in each operator's IMP Plan.	nce of new	HCA's as was required by
Pu	blic 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 No NJ E	otes: 3PU staff verified that each gas operator has developed a continuing public awareness program		
14	Has the state reviewed the content of these programs for compliance with 192.616 (by participating in the Clearinghouse or by other means)? $Y_{es} = .5 N_0 = 0$.5	0.5
SLR No	ites:		
NJ E	3PU inspection staff reviewed the content of the PAP programs for compliance with 192.616		
15	Is the state verifying that operators are conducting the public awareness activities called for in its program? $Y_{es} = .5 N_0 = 0$.5	0.5
	ntes: 3PU inspection staff has verified that operators are conducting the public awareness activities called for in its progra an each operator on the activities that have been conducted on an annual basis.	ams and has	summary information
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
		s as describ	ed in Recommended
17	Part I: General Comments/Regional Observations Info Only = No Points	Info Only	Info Only
SLR No	ites:		

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