

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

2017 Gas State Program Evaluation

for

NORTH CAROLINA UTILITIES COMMISSION

Document Legend PART:

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



2017 Gas State Program Evaluation -- CY 2017 Gas

State Agency: North Carolina Rating:

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

Date of Visit: 04/23/2018 - 04/27/2018

Agency Representative: Steve Wood, Director-Pipeline Safety Section PHMSA Representative: Agustin Lopez- State Programs Liaison Commission Chairman to whom follow up letter is to be sent:

Name/Title: Edward & Finlay In Chairman

Name/Title: Edward S. Finley, Jr.,, Chairman
Agency: North Carolina Utilities Commission
Address: 430 North Salisbury Street, Dobbs Building

City/State/Zip: Raleigh, North Carolina 27603

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 2017 (not the status of performance at the time of the evaluation). All items for which criteria have not been established should be answered based on the PHMSA representative's judgment. A deficiency in any one part of a multiple part question should be scored as needs improvement. Determine the answer to the question then select the appropriate point value. If a state receives less then the maximum points, include a brief explanation in the space provided for general comments/regional observations. If a question is not applicable to a state, select NA. Please ensure all responses are COMPLETE and ACCURATE, and OBJECTIVELY reflect state program performance. Increasing emphasis is being placed on performance. This evaluation together with selected factors reported in the state's annual progress report attachments provide the basis for determining the state's pipeline safety grant allocation.

Field Inspection (PART G):

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

Scoring Summary

. PARTS		Possible Points	Points Scored
A	Progress Report and Program Documentation Review	10	10
В	Program Inspection Procedures	13	13
С	Program Performance	47	43
D	Compliance Activities	15	15
Е	Incident Investigations	11	11
F	Damage Prevention	8	8
G	Field Inspections	12	12
Н	Interstate Agent State (If Applicable)	0	0
I	60106 Agreement State (If Applicable)	0	0
TOTAI	LS	116	112
State R	ating		96.6

PART A - Progress Report and Program Documentation Review

Points(MAX) Score

1	Accuracy of Jurisdictional Authority and Operator/Inspection Units Data - Progress Report Attachment 1 Yes = 1 No = 0 Needs Improvement = .5	1	1
Evaluate	or Notes:		
55.	viewed files and compared to annual reports for accuracy. There should be only 54 Intrastate Compared with Attachment 3 which has the correct number. In the future, NCUC needs to regress Report before submitting to assure they are accurate.		
-	,		
2	Review of Inspection Days for accuracy - Progress Report Attachment 2 Yes = 1 No = 0 Needs Improvement = .5	1	1
Evaluato	or Notes:		
	viewed record keeping/database for accuracy of progress report. No issues with data.		
3	Accuracy verification of Operators and Operators Inspection Units in State - Progress Report Attachment 3 Yes = 1 No = 0 Needs Improvement = .5	1	1
	or Notes:		
Ver	rified operator list with annual reports and PDM. Data seemed to be accurate. No issues with	data submitted	•
4	Were all federally reportable incident reports listed and information correct? - Progress Report Attachment 4 Yes = 1 No = 0 Needs Improvement = .5	1	1
The	or Notes: ere were three incidents reported in the PDM which are all listed in Attachment 4. Reviewed achment 4.	for accuracy. N	To issues with
5	Accuracy verification of Compliance Activities - Progress Report Attachment 5 Yes = 1 No = 0 Needs Improvement = .5	1	1
Rev	or Notes: viewed NCUC database which tracks the non compliance issues to verify the data submitted it uses with Attachment 5.	n Attachment :	5. There are no
6	Were pipeline program files well-organized and accessible? - Progress Report Attachment 6 Yes = 2 No = 0 Needs Improvement = 1	2	2
Evaluate	or Notes:		
Yes	s, files are well organized and accessible.		
7	Was employee listing and completed training accurate and complete? - Progress Report Attachment 7 Yes = 1 No = 0 Needs Improvement = .5	1	1
Evaluate	or Notes:		
Ver	rified inspector training with SABA to verify attachment 7.		
8	Verification of Part 192,193,198,199 Rules and Amendments - Progress Report Attachment 8	1	1



Evaluator Notes:

Yes = 1 No = 0 Needs Improvement = .5

State adopts new rules within 30 days of PHMSA adoption of new rules and regulations.

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

Evaluator Notes

Yes, the state describes there accomplishments in their progress report. The NCUC completed all Drug and Alcohol inspections of each operator. Will continue DIMP follow up inspections.

10 General Comments:
Info Only = No Points

Info OnlyInfo Only

Evaluator Notes:

The NCUC is mainly complying with Part A of the evaluation. Only mistake was on Attachment 1 in which the number of intrastate transmission units was incorrect. There should be 54 instead of 55. In the future, NCUC needs to review numbers entered in the Progress Report before submitting to assure they are accurate.

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



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

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

Yes Section V of Procedures addresses inspection procedures which give guidance to inspectors and include pre and post inspection activities.

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

1

1

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1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Yes Section V of Procedures addresses inspection procedures which include pre and post inspection activities.

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

l

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Yes Section V of Procedures addresses OQ inspection procedures which give guidance to inspectors and include pre and post inspection activities. There is a need to amend procedures to give further guidance to conduct OQ Program inspections.

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

1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Yes Section V of Procedures addresses Damage Prevention inspection procedures which include pre and post inspection activities.

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

1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Yes Section V of Procedures addresses Operator Training inspection procedures which include pre and post inspection activities.

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

1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Yes Section V of Procedures addresses Construction inspection procedures which include pre and post inspection activities.

7 Does inspection plan address inspection priorities of each operator, and if necessary each 6 unit, based on the following elements?

Yes = 6 No = 0 Needs Improvement = 1-5



a.	Length of time since last inspection (Within five year interval)	Yes 💿	No 🔘	Improvement
b.	Operating history of operator/unit and/or location (includes leakage, incident and liance activities)	Yes •	No 🔾	Needs Improvement
c.	Type of activity being undertaken by operators (i.e. construction)	Yes •	No 🔘	Needs Improvement
d. areas,	Locations of operators inspection units being inspected - (HCA's, Geographic Population Density, etc)	Yes •	No 🔘	Needs Improvement
	Process to identify high-risk inspection units that includes all threats - (Excavation ge, Corrosion, Natural Forces, Outside Forces, Material and Welds, Equipment, tors and any Other Factors)	Yes •	No 🔾	Needs Improvement
f.	Are inspection units broken down appropriately?	Yes •	No 🔘	Needs Improvement

Evaluator Notes:

Yes, inspection priorities are outlined in section IV.B. of procedures.

- a. Time since previous inspection is a priority.
- b. Leakage, incident and compliance history is data used for prioritizing inspections.
- c. Yes, operator history is reviewed.
- d. HCA locations are used to prioritize inspections.
- e. Corrosion, leaks, age of pipe, type of pipe and incident history is in procedures to identify high risk units.
- f. Yes, units are broken down by size and operating areas

8 General Comments:

Info OnlyInfo Only

Info Only = No Points

Evaluator Notes:

The NCUC is mainly complying wit Part B of the Evaluation. It was suggested that the NCUC needs to give more detail on each type of inspection (OQ, Drug and Alcohol, Public Awareness) in Section V of their procedures. For example the procedure has all types of inspections performed but only a a few of them give full detail on how to conduct the inspection with enough guidance for an inspector. More detail on each type of inspection would help and give more guidance to a inspector, specifically new hires.

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



1	Was ratio of Total Inspection person-days to total person days acceptable? (Director of State Programs may modify with just cause) Chapter 4.3 $Yes = 5 No = 0$	5		5
	A. Total Inspection Person Days (Attachment 2): 720.00			
	B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7): $220 \times 5.90 = 1298.00$			
	Ratio: A / B 720.00 / 1298.00 = 0.55			
	If Ratio >= 0.38 Then Points = 5, If Ratio < 0.38 Then Points = 0 Points = 5			
	Notes: nspection person days to total person days ratio was acceptable. Reviewed data submitted pers are accurate.	and datal	pase to as	ssure
2	Has each inspector and program manager fulfilled the T Q Training Requirements? (See Guidelines Appendix C for requirements) Chapter 4.4 Yes = 5 No = 0 Needs Improvement = 1-4	5		5
	a. Completion of Required OQ Training before conducting inspection as lead?	Yes 💿	No 🔾	Needs Improvement
	b. Completion of Required DIMP*/IMP Training before conducting inspection as lead? *Effective Evaluation CY2013	Yes •	No 🔾	Needs Improvement
	c. Root Cause Training by at least one inspector/program manager	Yes 💿	No 🔾	Needs Improvement
	d. Note any outside training completed	Yes 💿	No 🔾	Needs Improvement
Evaluator		Yes •	No 🔾	Needs Improvement
b. Ye c. Sev	s verified lead inspectors were qualified. s reviewed SABA and inspection reports to assure all DIMP leads are qualified. veral inspectors have completed the Root Cause Training course. e inspector took a Drug and Alcohol training course.			
	rified all lead inspectors were qualified to lead each type of inspection.			
3	Did state records and discussions with state pipeline safety program manager indicate adequate knowledge of PHMSA program and regulations? Chapter 4.1,8.1 Yes = 2 No = 0 Needs Improvement = 1	2		2
Evaluator Yes,	the program manager is knowledgeable of the PHMSA program and regulations.			
4	Did state respond to Chairman's letter on previous evaluation within 60 days and correct or address any noted deficiencies? (If necessary) Chapter 8.1 Yes = 2 No = 0 Needs Improvement = 1	2		2
Evaluator				
Yes,	letter was sent on January 30, 2018 and received response on March 27, 2018.			
5	Did State conduct or participate in pipeline safety training session or seminar in Past 3 Years? Chapter 8.5 Yes = $1 \text{ No} = 0$	1		1
Evaluator				
Vec	last seminar was on April 2016. Have one planned for October 2018			



	Chapter 5.1 Yes = 2 No = 0 Needs Improvement = 1 or Notes: UC utilizes PHMSA forms to conduct inspections. Reviewed inspections to assure all applicate completed.	ble porti	ons of form are
8	Did the state review operator procedures for determining if exposed cast iron pipe was examined for evidence of graphitization and if necessary remedial action was taken? (NTSB) Chapter 5.1 $Yes = 1 No = 0$	1	NA
		rators to a	assure no cast iror
9	Did the state review operator procedures for surveillance of cast iron pipelines, including appropriate action resulting from tracking circumferential cracking failures, study of leakage history, or other unusual operating maintenance condition? (Note: See GPTC Appendix G-18 for guidance) (NTSB) Chapter 5.1 $Yes = 1 No = 0$	1	NA
	or Notes: re is no known cast iron pipeline in the state of North Carolina. NCUC still verifies with oper been found.	rators to a	assure no cast iron
10	Did the state review operator emergency response procedures for leaks caused by excavation damage near buildings and determine whether the procedures adequately address the possibility of multiple leaks and underground migration of gas into nearby buildings Refer to $4/12/01$ letter from PHMSA in response to NTSB recommendation P-00-20 and P-00-21? (NTSB) Chapter 5.1 Yes = 1 No = 0	1	1
Evaluato Yes	or Notes: , the question is on their inspection forms and is verified during inspections.		
11	Did the state review operator records of previous accidents and failures including reported third party damage and leak response to ensure appropriate operator response as required by 192.617? Chapter 5.1 Yes = 1 No = 0	1	1
Evaluato	or Notes:		
Yes	, review incidents during inspections and during accident investigations to assure operator is	respondi	ng appropriately.
12	Has the state reviewed Operator Annual reports, along with Incident/Accident reports, for accuracy and analyzed data for trends and operator issues? Yes = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
Evaluato Yes	or Notes: , the NCUC reviews annual reports and tracks the data to analyze from year to year.		

Did state inspect all types of operators and inspection units in accordance with time

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

The NCUC has not conducted OQ Program Evaluations and PAPEI within their established 5 year interval. PAPEI

inspections were last conducted in 2012 and only about 7 (have 28 operators) OQ Program inspections have been conducted

intervals established in written procedures? Chapter 5.1

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

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6

7

since 2011.

5

2

3

	NPMS database along with changes made after original submission? Yes = 1 No = 0 Needs Improvement = .5		
Evaluate	or Notes:		
	, the NCUC verifies with operator during inspections to assure changes are updated in NPMS	database	. Question is on the
Tra	nsmission inspection form.		
		2	2
14	Is the state verifying operators are conducting drug and alcohol tests as required by regulations? This should include verifying positive tests are responded to in accordance	2	2
	with program. 49 CFR 199		
	Yes = 2 No = 0 Needs Improvement = 1		
Evaluato	or Notes:		
	, the NCUC dedicated one inspector to conduct all D&A inspections for all operators in 2017.		
15	Is state verifying operators OQ programs are up to date? This should include verification	2	1
	of any plan updates and that persons performing covered tasks (including contractors) are		
	properly qualified and requalified at intervals determined in the operators plan. 49 CFR		
	192 Part N		
	Yes = 2 No = 0 Needs Improvement = 1		
	or Notes:	1:0 1	1
	re were no OQ program inspections conducted in 2017 due to not having enough inspectors q		
Pro	gram inspections. OQ program inspections have exceeded the 5 year inspection interval as est	ablished	in their procedures.
16	Is state verifying operator's gas transmission integrity management programs (IMP) are	2	2
10	up to date? This should include a previous review of IMP plan, along with monitoring	_	2
	progress on operator tests and remedial actions. In addition, the review should take in to		
	account program review and updates of operators plan(s). (Are the State's largest		
	operators programs being contacted or reviewed annually? Are replies to Operator IM		
	notifications addressed? (formerly part of Question C-13)). 49 CFR 192 Subpart 0		
Evoluet	Yes = 2 No = 0 Needs Improvement = 1		
	or Notes:		
Y es	t, the NCUC have conducted IMP inspections to monitor operator programs and remedial action	ons.	
17	Is state verifying operator's gas distribution integrity management Programs (DIMP)?	2	2
	This should include a review of DIMP plans, along with monitoring progress. In	_	_
	addition, the review should take in to account program review and updates of operators		
	plan(s). (Are the State's largest operators programs being contacted or reviewed		
	annually?). 49 CFR 192 Subpart P		
	Yes = 2 No = 0 Needs Improvement = 1		
Evaluate	or Notes:		
	s, the NCUC have conducted DIMP inspections to monitor operator programs and remedial ac	ions.	
18	Is state verifying operators Public Awareness programs are up to date and being	2	1
_	followed. State should also verify operators have evaluated Public Awareness programs		
	for effectiveness as described in RP1162. PAPEI Effectiveness Inspections should be		
	conducted every four years by operators. 49 CFR 192.616		
	Yes = 2 No = 0 Needs Improvement = 1		
	or Notes:		
The	NCUC has not conducted Public Awareness Program inspections since 2012. Even though the	ey do co	mplete the portion
	Public Awareness in their inspection forms during standard inspections PAPEI should be cond-		
	r procedures. They are scheduled to perform all PAPEI inspections in 2018.		
		1	1
19	Does the state have a mechanism for communicating with stakeholders - other than state	1	1
	pipeline safety seminar? (This should include making enforcement cases available to		
	public).		

Has state confirmed intrastate transmission operators have submitted information into

defe	NCUC communicates with states during inspections, seminars, and meetings on the issue of ets. There is no record kept so instructed/suggested that he NCUC add the question to their in to document all ADB and NTSB recommendation questions.			
22	Did the state participate in/respond to surveys or information requests from NAPSR or PHMSA? Yes = 1 No = 0 Needs Improvement = .5	1		1
Evaluato				
Yes	Steve Wood responds to surveys and requests by NAPSR and PHMSA.			
23	If the State has issued any waivers/special permits for any operator, has the state verified conditions of those waivers/special permits are being met? This should include having the operator amend procedures where appropriate. No = 0 Needs Improvement = .5 Yes = 1	1		1
pipe	ic Service Company of North Carolina. The pipeline was purged and deactivated on October ine is purged and deactivated, the NCUC must keep in mind that the pipeline is still a regula spected by the NCUC to assure it is in compliance with the regulations. Did the state attend the National NAPSR Board of Directors Meeting in CY being		eline and	
	evaluated? No = 0 Needs Improvement = .5 Yes = 1			
Evaluato				
Yes	the NCUC attended the National NAPSR meeting.			
25	Discussion on State Program Performance Metrics found on Stakeholder Communication site - http://primis.phmsa.dot.gov/comm/states.htm No = 0 Needs Improvement = 1 Yes = 2	2		2
	a. Discussion of Potential Accelerated Actions (AA's) based on any negative trends	Yes •	No 🔘	Needs Improvement
	b. NTSB P-11-20 Meaningful Metrics	Yes •	No 🔘	Needs Improvement
part allo	Notes: ussed the rise in 3rd party hits per 1,000 tickets. The state met with city and excavators to distribute to the installation of fiber optics and Google lines. The city reduced the working days working on Sundays to encourage safer digging. There is also an upward trend on the total ,000 miles. An analysis should be conducted to verify the source of the increase.	s on th	e permit	f rise in 3rd s to not

Yes, the NCUC website is available to public which has information available. All cases have docket numbers which can be

Yes, communicated with the Southern Region to assure the NCUC is following up on SRCR. There was no issue with follow up information submitted to the Southern Region. Only issue is that the NCUC does not keep any records of the SRCR. In the future, the NCUC should keep copies in their own files on every SRCR submitted along with follow up information on

1

1

1

1

Did state execute appropriate follow-up actions to Safety Related Condition (SRC)

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

Evaluator Notes:

Evaluator Notes:

20

21

viewed by the public.

Reports? Chapter 6.3

Yes = 1 No = 0 Needs Improvement = .5

intrastate operators that are jurisdictional.

26 Discussion with State on accuracy of inspection day information submitted into State Inspection Day Calculation Tool (SICT) Has the State updated SICT data? No = 0 Yes = 1 1

1

Evaluator Notes:

Discussed the total number of inspection days calculated by the SICT with Steve Wood. The number is higher than the previous years total number of inspection days and may have been due to assigning the wrong inspection interval for large operators. Steve Wood will work on getting more accurate numbers utilizing the SICT.

Did the State verify Operators took appropriate action regarding Pipeline Flow Reversals,
 Product Changes and Conversions to Service? See ADP-2014-04
 Needs Improvement = .5 No = 0 Yes = 1

Evaluator Notes:

Discussed with the NCUC that the question applies to Gas Transmission operators and need to be asked of the operators. It was suggested that all ADP and NTSB recommendation questions be added to the inspections form or create a form to include the questions.

28 General Comments:

Info OnlyInfo Only

Info Only = No Points

Evaluator Notes:

C.6-The NCUC has not conducted OQ Program Evaluations and PAPEI within their established 5 year interval. PAPEI inspections were last conducted in 2012 and only about 7 (have 28 operators) OQ Program inspections have been conducted since 2011.

C.15-There were no OQ program inspections conducted in 2017 due to not having enough inspectors qualified to conduct OQ Program inspections. OQ program inspections have exceeded the 5 year inspection interval as established in their procedures. The NCUC needs to conduct OQ Program Inspections to verify operators OQ Programs are up to date and in compliance with the regulations.

C.18-The NCUC has not conducted Public Awareness Program inspections since 2012. Even though the NCUC does complete the portion of Public Awareness in their inspection forms during standard inspections the NCUC still needs to conduct PAPEI. They are scheduled to perform all PAPEI inspections in 2018.

C.23-There was a waiver granted to Duke Energy(Docket E-2 1105) in 2017 which involved the reassessment of a transmission pipeline that was going to be purged and deactivated. The NCUC still needs to assure that the pipeline is being inspected in accordance with their procedures since it is still jurisdictional and not abandoned.

Total points scored for this section: 43 Total possible points for this section: 47



Does the state have written procedures to identify steps to be taken from the discovery to resolution of a probable violation? Chapter 5.1 Yes = 4 No = 0 Needs Improvement = 1-3	4	4
a. Procedures to notify an operator (company officer) when a noncompliance is identified	Yes •	No O Needs Improvement
b. Procedures to routinely review progress of compliance actions to prevent delays or breakdowns	Yes •	No O Needs Improvement
c. Procedures regarding closing outstanding probable violations	Yes 💿	No O Needs Improvement O
Evaluator Notes: Yes the NCUC has procedures to identify steps to be taken from discovery to resolution of a proand S.	bable vi	
a. Yes Section Q states that a company officer will be notified of non compliance issues.b. Yes, Section Q, R, and S has guidance for reviewing the progress of compliance files.c. Yes, Procedures state that the operator will receive compliance letter that give them the opport the NOPV. The NCUC conducts follow up inspections to close cases if necessary.	tunity to	correct or object to
Did the state follow compliance procedures (from discovery to resolution) and adequately document all probable violations, including what resolution or further course of action is needed to gain compliance? Chapter 5.1 Yes = 4 No = 0 Needs Improvement = 1-3	4	4
a. Were compliance actions sent to company officer or manager/board member if municipal/government system?	Yes •	No O Needs Improvement O
b. Document probable violations	Yes •	No Needs Improvement
c. Resolve probable violations	Yes 💿	No O Needs Improvement
d. Routinely review progress of probable violations	Yes 💿	No O Needs Improvement O
e. Within 30 days, conduct a post-inspection briefing with the owner or operator of the gas or hazardous liquid pipeline facility inspected outlining any concerns; and	Yes •	No O Needs Improvement
f. Within 90 days, to the extent practicable, provide the owner or operator with written preliminary findings of the inspection.	Yes •	No O Needs Improvement
Evaluator Notes: a. Yes, reviewed inspection reports to assure compliance actions were sent to company officials. b. All probable violations were documented in reports and in compliance actions. c. Probable violations were resolved in accordance with procedures. d. NCUC routinely reviews progress of compliance actions. e. Yes the NCUC conducts post inspection briefing (exit interview) with operators within 30 day f. Yes, the NCUC provides the operator with findings within 90 days. The NCUC needs to amen the 90 day requirement.		procedure to include
Did the state issue compliance actions for all probable violations discovered? Yes = 2 No = 0 Needs Improvement = 1	2	2
Evaluator Notes:		
Yes, all probable violations found during inspections were issued compliance actions.		
4 Did compliance actions give reasonable due process to all parties? Including "show cause" hearing if necessary. Yes = 2 No = 0 Evaluator Notes:	2	2
Yes, compliance letter gives the operator a chance to respond to the NOPV and how to object an	d reques	et a hearing.

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)

2

2

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

Yes, the NCUC issued a civil penalty in 2017 and the program manager is familiar with the process. The NCUC should amend their procedures to include when a civil penalty should be considered. For example, repeat violations, violations which may have contributed to an incident, violations which cause a hazardous condition. This was an issue in 2016 but the NCUC did not receive our letter until after procedures were amended in the end of 2017.

6 Can the State demonstrate it is using their enforcement fining authority for pipeline safety 1 violations?

Yes = 1 No = 0 Needs Improvement = .5

Info Only = No Points

Evaluator Notes:

Yes, the NCUC issued a civil penalty to an operator for not being in compliance with the IMP regulations.

7 General Comments:

Info OnlyInfo Only

Evaluator Notes:

D.5-Yes, the NCUC issued a civil penalty in 2017 and the program manager is familiar with the process. The NCUC should amend their procedures to include when a civil penalty should be considered. For example, repeat violations, violations which may have contributed to an incident, violations which cause a hazardous condition. This was an issue in 2016 but the NCUC did not receive our letter until after procedures were amended in the end of 2017.

D.2(f) The NCUC needs to amend their procedure to include 90 day requirement for notifying operator of written preliminary findings.

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



1	Does the state have written procedures to address state actions in the event of an incident/accident? Yes = 2 No = 0 Needs Improvement = 1	2		2
Evaluate	res = 2 No = 0 Needs Improvement = 1 or Notes:			
	s, Procedures in Section VI address the actions taken by the NCUC in an event of an incident	/acciden	ıt.	
2	Does state have adequate mechanism to receive and respond to operator reports of incidents, including after-hours reports? And did state keep adequate records of Incident/Accident notifications received? Chapter 6 Yes = 2 No = 0 Needs Improvement = 1	2		2
	a. Acknowledgement of MOU between NTSB and PHMSA (Appendix D)	Yes (•)	No ()	Needs
	b. Acknowledgement of Federal/State Cooperation in case of incident/accident	_	-	Improvement Needs
	(Appendix E)	Yes •	No ()	Improvement
	or Notes:		la afinai	donta
	s, the NCUC have an adequate mechanism to receive and respond to incidents. The state keep eived.	os recorc	is of file	dents
a. Y	Yes the NCUC is aware of the MOU between NTSB and PHMSA. Yes the NCUC is aware of federal/state cooperation in case of an incident.			
3	If onsite investigation was not made, did state obtain sufficient information from the operator and/or by other means to determine the facts to support the decision to not go on-site? Chapter 6 Yes = 1 No = 0 Needs Improvement = .5	1		1
Evaluate	or Notes:			
The	NCUC conducted an on site investigation on all reportable incidents.			
4	Were all incidents investigated, thoroughly documented, and with conclusions and recommendations? Yes = 3 No = 0 Needs Improvement = 1-2	3		3
	a. Observations and document review	Yes •	No 🔾	Needs Improvement
	b. Contributing Factors	Yes •	No ()	Needs -
		_	0	Improvement Needs
г 1 .	c. Recommendations to prevent recurrences when appropriate	Yes •	No ()	Improvement
Yes	or Notes: sall incidents were thoroughly investigated and documented. There is one incident that is still non-compliance.	l open a	nd still u	nder review
5	Did the state initiate compliance action for violations found during any incident/accident investigation? Yes = 1 No = 0	1		1
Evaluate	or Notes:			
	ere is one incident investigation that is still ongoing that may initiate a compliance action. (N	RC 2017	70097)	
6	Did the state assist Region Office or Accident Investigation Division (AID) by taking appropriate follow-up actions related to the operator incident reports to ensure accuracy and final report has been received by PHMSA? (validate report data from operators concerning incidents/accidents and investigate discrepancies) Chapter 6 Yes = 1 No = 0 Needs Improvement = .5 or Notes:	1		1



There was no assistance with incidents requested by PHMSA in 2017.

Does state share lessons learned from incidents/accidents? (sharing information, such as: 1 at NAPSR Region meetings, state seminars, etc)

Yes = 1 No = 0

Evaluator Notes:

Yes, share lessons learned during the Regional NAPSR Meeting and seminars.

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

Evaluator Notes:

The NCUC is mainly complying with Part E of the Evaluation.

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



2

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

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

Directional boring is discussed during inspections but there is no documentation on the inspection form. There is no record kept so instructed/suggested that he NCUC add the question to their inspection form or create a form to document all ADB and NTSB recommendation questions.

Did the state inspector verify pipeline operators are following their written procedures pertaining to notification of excavation, marking, positive response and the availability and use of the one call system?

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

Yes, the inspector reviews the operators one call procedures and how they handle notifications and marking of pipelines.

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

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

Yes, attend UCC meetings and promote April is damage prevention month. Governor signed proclamation for dig safely month.

Has the agency or another organization within the state collected data and evaluated
trends on the number of pipeline damages per 1,000 locate requests? (This can include
DIRT and other data shared and reviewed by the pipeline safety program)
Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

Use annual reports to gather data to analyze and trend. Also the N. Carolina 811 website publishes the Supermega spreadsheet from 811 which has data analysis of number of hits.

5 General Comments: Info OnlyInfo Only

Evaluator Notes:

Info Only = No Points

F.1-There is no record kept of question being asked during standard inspections so instructed/suggested that he NCUC add the question to their inspection form or create a form to document all ADB and NTSB recommendation questions.

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



Operator, Inspector, Location, Date and PHMSA Representative

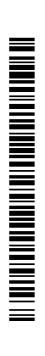
1

Info OnlyInfo Only

	Info Only = No Points		
	Name of Operator Inspected: Piedmont Natural Gas		
	Name of State Inspector(s) Observed: Brooks Tate- Lead Inspector		
	Location of Inspection: Goldsboro, NC		
	Date of Inspection: April 26, 2018		
	Name of PHMSA Representative:		
Evoluete	Agustin Lopez or Notes:		
Eva prof	aluated Mr. Brooks Tate conduct an inspection on Piedmont Natural Gas transmission pipeline fessional and opened up the inspection with an introduction. He reviewed records and performeline facilities.		
2	Was the operator or operator's representative notified and/or given the opportunity to be present during inspection? Yes = $1 \text{ No} = 0$	1	1
	or Notes:		
Yes	s, operator was notified with enough time to have representatives present.		
3	Did the inspector use an appropriate inspection form/checklist and was the form/checklist used as a guide for the inspection? (New regulations shall be incorporated) Yes = 2 No = 0 Needs Improvement = 1	2	2
Evaluato	or Notes:		
Yes	s, inspector used the PHMSA Form as a guide/checklist during the inspection.		
4	Did the inspector thoroughly document results of the inspection? Yes = 2 No = 0 Needs Improvement = 1	2	2
	or Notes:		
Yes	s, the form was used to document the results of the inspection.		
5	Did the inspector check to see if the operator had necessary equipment during inspection to conduct tasks viewed? (Maps,pyrometer,soap spray,CGI,etc.) $Yes = 1 No = 0$	1	1
	or Notes:		
Yes	s, the operator operated valves and checked CP with the appropriate equipment.		
6	Did the inspector adequately review the following during the field portion of the state evaluation? (check all that apply on list) Yes = 2 No = 0 Needs Improvement = 1	2	2
	a. Procedures	\boxtimes	
	b. Records	\boxtimes	
	c. Field Activities	\boxtimes	
	d. Other (please comment)	\boxtimes	
Evaluato	or Notes:		

Brooks Tate reviewed records and specific procedures of Piedmont's 161 transmission pipeline. The review included the

following records; patrolling, cp, leak surveys, maop records, valve maintenance, etc.



/	regulati	ons? (Evaluator will document reasons if unacceptable)	2	2
Evaluato	Yes = 21 or Notes:	No = 0 Needs Improvement = 1		
		oks Tate has been with the NCUC since 2016 and is very knowledgeable of the property of the pr	ipeline safety	rules and
		or only being an inspector for about 2 years he performed and excellent inspection	n. He has inc	dustry experience
that	helps him	excel as an inspector.		
8		inspector conduct an exit interview? (If inspection is not totally complete the w should be based on areas covered during time of field evaluation) $N_0 = 0$	1	1
Evaluato	or Notes:			
Yes	, the inspe	ctor conducted an exit briefing with the operator to notify them of any issues and	l summarize t	he inspection.
9	_	the exit interview, did the inspector identify probable violations found during the ons? (if applicable) $N_0 = 0$	e 1	1
	or Notes:			
		closed the inspection with the operator which did not identify any probable violation and the constant of the inspection.	itions. There v	were some items
tnat	tne inspec	etor requested to complete the inspection.		
10	descript	Comments: 1) What did the inspector observe in the field? (Narrative ion of field observations and how inspector performed) 2) Best Practices to Shar her States - (Field - could be from operator visited or state inspector practices) 3)		fo Only
		y = No Points		
	a.	Abandonment		
	b.	Abnormal Operations	\boxtimes	
	c.	Break-Out Tanks		
	d.	Compressor or Pump Stations		
	e.	Change in Class Location	\boxtimes	
	f.	Casings	\boxtimes	
	g.	Cathodic Protection	\boxtimes	
	h.	Cast-iron Replacement		
	i.	Damage Prevention	\boxtimes	
	j.	Deactivation		
	k.	Emergency Procedures	\boxtimes	
	1.	Inspection of Right-of-Way	\boxtimes	
	m.	Line Markers	\boxtimes	
	n.	Liaison with Public Officials	\boxtimes	
	0.	Leak Surveys	\boxtimes	
	p.	MOP		
	q.	MAOP	\boxtimes	
	r.	Moving Pipe		
	S.	New Construction		
	t.	Navigable Waterway Crossings	\bowtie	
	u.	Odorization		
	v.	Overpressure Safety Devices	\boxtimes	
	W.	Plastic Pipe Installation		
	Χ.	Public Education		
	y.	Purging		
	z.	Prevention of Accidental Ignition		
	A.	Repairs		
	B.	Signs	\boxtimes	

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C.	Tapping	
D.	Valve Maintenance	\boxtimes
E.	Vault Maintenance	
F.	Welding	
G.	OQ - Operator Qualification	
H.	Compliance Follow-up	
I.	Atmospheric Corrosion	
J.	Other	
nator Notes:		

Mr. Brooks Tate performed and excellent job for only being with the NCUC for a short period of time. He identified issues during the records review that needed clarification and handled himself very professionally. He performed a field inspection of the pipeline and facilities and was very observant in the field. He is a great asset to the NCUC.

> Total points scored for this section: 12 Total possible points for this section: 12



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



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

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

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



The NCUC does not have a 60106 Certification.