

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

2015 Gas State Program Evaluation

for

MN Office of Pipeline Safety

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)



2015 Gas State Program Evaluation -- CY 2015 Gas

State Agency: Minnesota Rating:

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

Date of Visit: 05/16/2016 - 07/15/2016

Agency Representative: Jon Wolfgram, Chief Engineer

PHMSA Representative: Patrick Gaume

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

Name/Title: Ramona L. Dohlman, Commissioner
Agency: Minnesota Department of Public Safety
Address: 445 Minnesota Street, Suite 1000
City/State/Zip: Saint Paul, Minnesota 55101-5155

INSTRUCTIONS:

Complete this evaluation in accordance with the Procedures for Evaluating State Pipeline Safety Program. The evaluation should generally reflect state program performance during CY 2015 (not the status of performance at the time of the evaluation). All items for which criteria have not been established should be answered based on the PHMSA representative's judgment. A deficiency in any one part of a multiple part question should be scored as needs improvement. Determine the answer to the question then select the appropriate point value. If a state receives less then the maximum points, include a brief explanation in the space provided for general comments/regional observations. If a question is not applicable to a state, select NA. Please ensure all responses are COMPLETE and ACCURATE, and OBJECTIVELY reflect state program performance. Increasing emphasis is being placed on performance. This evaluation together with selected factors reported in the state's annual progress report attachments provide the basis for determining the state's pipeline safety grant allocation.

Field Inspection (PART G):

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

Scoring Summary

A		1 OSSIDIE I OIIICS	Points Scored
	Progress Report and Program Documentation Review	10	10
В	Program Inspection Procedures	13	13
C	Program Performance	50	50
D	Compliance Activities	15	15
E	Incident Investigations	11	11
F	Damage Prevention	8	8
G	Field Inspections	11	11
Н	Interstate Agent State (If Applicable)	6	6
I	60106 Agreement State (If Applicable)	0	0
TOTAL	S	124	124
PARTS A B C D E F G H I TOTAL State Ra	iting		100.0

1 Accuracy of Jurisdictional Authority and Operator/Inspection Units Data - Progress 1 1 Report Attachment 1 Yes = 1 No = 0 Needs Improvement = .5**Evaluator Notes:** A1. Yes, Attachment 1 is in agreement with Attachment 3 & 8, and is consistent with internal records. 2 1 1 Review of Inspection Days for accuracy - Progress Report Attachment 2 Yes = 1 No = 0 Needs Improvement = .5**Evaluator Notes:** A2. Yes, Attachment 2 is consistent with internal records. 1027.22 inspection-days-NG Accuracy verification of Operators and Operators Inspection Units in State - Progress 1 3 1 Report Attachment 3 Yes = 1 No = 0 Needs Improvement = .5**Evaluator Notes:** A3. Yes, Attachment 3 is in agreement with Attachment 1, and is consistent with internal records. 4 Were all federally reportable incident reports listed and information correct? - Progress 1 Report Attachment 4 Yes = 1 No = 0 Needs Improvement = .5**Evaluator Notes:** A4. Yes, Attachment 4 is consistent with internal records. 5 1 1 Accuracy verification of Compliance Activities - Progress Report Attachment 5 Yes = 1 No = 0 Needs Improvement = .5**Evaluator Notes:** A5. Yes, Attachment 5 is consistent with internal records. Assessed \$40K and collected \$25K in civil penalties. Were pipeline program files well-organized and accessible? - Progress Report 2 2 Attachment 6 Yes = 2 No = 0 Needs Improvement = 1**Evaluator Notes:** A6. Yes, Files listed in Attachment 6 can all be found in MNOPS database and network drive. 7 Was employee listing and completed training accurate and complete? - Progress Report 1 Attachment 7 Yes = 1 No = 0 Needs Improvement = .5**Evaluator Notes:** A7. Yes. Attachment 7 as received from TQ is corrected to MNOPS records and shared back with TQ to update their records. TQ & MNOPS records were in agreement as initially printed for 2015. 10.58 inspector person-years charged to the

Verification of Part 192,193,198,199 Rules and Amendments - Progress Report

A8. Yes, Attachment 8 is in agreement with Attachment 1, and is consistent with internal records. Noted that 198 is not specifically mentioned in MN Laws, but Federal Grants are well addressed under MN Statute '299F.64 FEDERAL MONEY'.

PART A - Progress Report and Program Documentation

Review

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Points(MAX) Score

NG program.

Attachment 8

Yes = 1 No = 0 Needs Improvement = .5

8

Evaluator Notes:

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:

A9. Yes. Attachment 10 well identifies the goals and accomplishments of MNOPS in CY 2014. It is interesting that they present the information in a numbered bullet format as opposed to paragraph format.

10 General Comments:

Info OnlyInfo Only

Info Only = No Points

Evaluator Notes:

A10. Yes. The Progress Report accurately showed the work performed by MNOPS. A particular accomplishment was the maturing of the staff. There was no attrition in 2015, four inspectors advanced from level 3 to level 1, and two inspectors advanced from level 3 to level 2. There was only 1 inspector that finished 2015 as level 3 inspectors. In addition, MNOPS was able to hire an engineer in early 2016 and is now fully staffed.

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



Evaluator Notes:

- B5. Yes. See MNOPS Operating Guidelines Manual, Sec 5.
- 6 Construction Inspection procedures should give guidance to state inspectors that insure consistency in all inspections conducted by the state? The following elements should be addressed at a minimum - pre-inspection activities, inspection activities, post-inspection activities

1

1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

- B6. Yes. See MNOPS Operating Guidelines Manual, Sec 5 & Appendix 1.
- 7 Does inspection plan address inspection priorities of each operator, and if necessary each unit, based on the following elements?

6 6

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

- Length of time since last inspection (Within five year interval) a.
- Operating history of operator/unit and/or location (includes leakage, incident and compliance activities)

Yes (•)	No ()	Needs
i es 👅	NO O	Improvement
Yes (•)	No (Needs
i es 🕒	NO O	Improvement

Needs

	 c. Type of activity being undertaken by operators (i.e. construction) d. Locations of operators inspection units being inspected - (HCA's, Geographic areas, Population Density, etc) 	Yes Yes	No ()	Needs Improvement O Needs Improvement O
	e. Process to identify high-risk inspection units that includes all threats - (Excavation Damage, Corrosion, Natural Forces, Outside Forces, Material and Welds, Equipment, Operators and any Other Factors)	Yes •	No 🔘	Needs Improvement
	f. Are inspection units broken down appropriately?	Yes •	No 🔾	Needs Improvement
Evaluato	r Notes:			•
B7.	Yes. See MNOPS Operating Guidelines Manual, Sec 5, Appendix 1, and the 'Inspection P'	lan' in the	Databas	se.
8	General Comments: Info Only = No Points	Info On	lyInfo Oı	nly
Evaluato	r Notes:			
B8.	Yes. The MNOPS Operating Guidelines Manual was extensively reviewed and updated in	early 201	15. This	work was the

result of the work of a Committee of seven OPS employees, and reflected their collaborative knowledge, skills, & abilities. This was noted during the 2015 audit. It was observed during the 2016 audit, that MNOPS has put the procedures into action

and has carried out its inspection plan.

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): 1027.22			
	B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7): 220 X 10.58 = 2327.60			
	Ratio: A / B 1027.22 / 2327.60 = 0.44			
	If Ratio >= 0.38 Then Points = 5, If Ratio < 0.38 Then Points = 0 Points = 5			
Evaluato C1.	or Notes: Yes, 1027.22 inspection-days, 10.58 inspector-years charged to the program, 1027.22 /(10.	58*220)	=0. 0.441, >.38,	okay.
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 O Needs Improve	ement O
	b. Completion of Required DIMP*/IMP Training before conducting inspection as lead? *Effective Evaluation CY2013	Yes •	- Needs	ement O
	c. Root Cause Training by at least one inspector/program manager	Yes •	 Needs 	ement
	d. Note any outside training completed	Yes •	 Needs 	ement
	e. Verify inspector has obtained minimum qualifications to lead any applicable standard inspection as the lead inspector.	Yes •	Needs	ement
the	Yes*5. In 2015, 6 of 14 total inspectors completed 3 years of experience and advanced from the end of 2015 only one inspector had less than 3 years' experience. With the new hire in early sectors still lacking some mandatory classes.			At
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	
C3.	or Notes: Yes. Jon has been Program Manager for 4 years and was an inspector for 3 years before the essary knowledge, skills, & abilities for the Program Manager position.	at. He de	monstrates the	
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 = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2	
	or Notes: Yes, Chairman letter was Dec 11, 2015 and the response was Jan 19, 2016. The response a	ddressed	the issue.	
5	Did State hold PHMSA TQ Seminar in Past 3 Years? Chapter 8.5 Yes = 2 No = 0	2	2	
	or Notes: Yes. Every year; in April 2013, April 2014, April 2015, & April 2016. TQ was a no-show tone is scheduled for April 2017.	for the 2	016 Seminar. Th	ıe

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

intervals established in written procedures? Chapter 5.1

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



5

5

6

Evaluator Notes:

C6. Yes; 76 NG & 12 HL operators; Specialty inspections; IMP, DIMP, OQ, D&A, & PAPEI, became an area of focus following the July, 31, 2015 Evaluation. The strong effort in the last third of 2015 resulted in most of the inspections being completed and uploaded leaving only a dozen specialty inspections, (total from NG & HL), to be finished in 2016. The Program Manager's continuing focus on finishing ALL of these inspections along with the buy-in of his staff justifies the awarding of full points.

7 Did inspection form(s) cover all applicable code requirements addressed on Federal Inspection form(s)? Did State complete all applicable portions of inspection forms? Chapter 5.1

2 2

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

C7. Yes. Reviewed several NG & HL inspections. All were complete and as detailed as the federal form, and the letters were consistent with what was found during the inspections. The inspection files reviewed were: for Natural Gas? 50543392, 50586083, 50569374, 50595891(item of concern-comments for NA items are not properly importing from the source. This is an unexpected consequence of a recent modification of the database. The information was available after a little manipulation. However, the manipulation caused the on-site inspection information to be deleted. Luckily, the on-site inspection information was restored through back-up records. After discussion it was decided that the solution is to lock all of the closed files; that way, the file will have to be unlocked before any changes can be made.), 50565385, 50523584, & 50567983; and for Hazardous Liquid? 50523054, 50578569, & 50599883. At this point, MNOPS has locked all 2015 pipeline inspection cases that have been closed for completion. This step will prevent inadvertent deletion or changes of the data. MNOPS will proceed with locking down historic data to address this issue soon.

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

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Evaluator Notes:

C8. Yes, is on the Standard Inspection Forms, see 195.553, 192.457. Also send out a Request For Specific Information (RSI) to the operator that has cast iron. As of February, 2016, Centerpoint Energy has 4.3 miles of cast iron remaining, and is on track to have it removed by 2019. Centerpoint removed 6.6 miles of cast iron in 2015.

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

Evaluator Notes:

C9. Yes, Centerpoint's cast iron replacement plan is reviewed many times per year; during inspections, RSI, & incident followup.

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

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Evaluator Notes:

C10. Yes, is part of Standard inspections and incident investigations. See questions under 192.615 (A), and questions 5 & 6 on the MNOPS incident form.

Did the state review operator records of previous accidents and failures including 1 reported third party damage and leak response to ensure appropriate operator response as required by 192.617? Chapter 5.1

1

Yes = 1 No = 0

Evaluator Notes:

C11. YES, it is on the Std Insp Form, per 192.617, and is reviewed during incidents.

	accuracy and analyzed data for trends and operator issues? Yes = 2 No = 0 Needs Improvement = 1		
	•	o determi	ne specific areas o
13	Did state input all applicable OQ, DIMP/IMP inspection results into federal database in a timely manner? This includes replies to Operator notifications into IMDB database. Chapter 5.1 Yes = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2	2
Evaluator C13.		er.	
14	Has state confirmed intrastate transmission operators have submitted information into NPMS database along with changes made after original submission? Yes = 1 No = 0 Needs Improvement = .5	1	1
	Yes, usually under Standard inspections see 192.605(b)(3) & 195.402(c)(1). In addition, M does a GIS review of each operator annually and correlates operator maps to NPMS.	NOPS ha	s an IT employee
15	Is the state verifying operators are conducting drug and alcohol tests as required by regulations? This should include verifying positive tests are responded to in accordance with program. 49 CFR 199 Yes = 2 No = 0 Needs Improvement = 1	2	2
Form reque the C	Yes. The Drug and Alcohol Program requests each operator return a Self-Assessment form (a) *Most Operators D&A Programs are monitored thru a Consortium; MIS data is available test. Currently MIS data to the state is voluntary. * Consortium data on Positive test results is consortium fills out the MIS form for the operator. The Self-Assessment date from the operator. The Self-Assessment date from the operator. The Self-Assessment date from the operator.	to the Fed relayed to tor has the	s and States upon the operator and
16	Is state verifying operators OQ programs are up to date? This should include verification of any plan updates and that persons performing covered tasks (including contractors) are properly qualified and requalified at intervals determined in the operators plan. 49 CFR 192 Part N Yes = 2 No = 0 Needs Improvement = 1	2	2
	Notes: Yes. MNOPS is actively performing and uploading OQ inspections, both Program Inspection DQ Lead is Claude Anderson.	ons and F	ield Inspections.
17	Is state verifying operator's gas transmission integrity management programs (IMP) are up to date? This should include a previous review of IMP plan, along with monitoring progress on operator tests and remedial actions. In addition, the review should take in to account program review and updates of operators plan(s). 49 CFR 192 Subpart 0 Yes = 2 No = 0 Needs Improvement = 1	2	2
Evaluator C17.			
18	Is state verifying operator's gas distribution integrity management Programs (DIMP)? This should include a review of DIMP plans, along with monitoring progress. In addition, the review should take in to account program review and updates of operators plan(s). 49 CFR 192 Subpart P DIMP? First round of program inspections should have been complete by December 2014 Yes = 2 No = 0 Needs Improvement = 1	2	2

Has the state reviewed Operator Annual reports, along with Incident/Accident reports, for

2

2

DUNS: 804886729 2015 Gas State Program Evaluation

Evaluator Notes:

12

DUNS:

C18.	Yes. The first round of DIMP inspections were complete by 12/31/2014.		
19	Is state verifying operators Public Awareness programs are up to date and being followed. State should also verify operators have evaluated Public Awareness programs for effectiveness as described in RP1162. 49 CFR 192.616 (I13-16) PAPEI Effectiveness Inspections should be conducted every four years per RP1162 Yes = 2 No = 0 Needs Improvement = 1	2	2
Evaluator			
	Yes. MNOPS has records of their PAPEI inspections & they are complete and uploaded int	o the fede	eral database.
20	Does the state have a mechanism for communicating with stakeholders - other than state pipeline safety seminar? (This should include making enforcement cases available to public). $Yes = 1 No = 0 Needs Improvement = .5$	1	1
DPP Com initia		Coording neetings to Committe	ation Committees; to discuss DP tee and Operations
21	Did state execute appropriate follow-up actions to Safety Related Condition (SRC) Reports? Chapter 6.3 Yes = 1 No = 0 Needs Improvement = .5	1	1
Evaluator C21.	Yes. The SRCR are current.		
22	Did the State ask Operators to identify any plastic pipe and components that has shown a record of defects/leaks and what those operators are doing to mitigate the safety concerns? Yes = 1 No = 0 Needs Improvement = .5	1	1
cond follo infor Minr Refe repla work -MN nume		stems white rators to contract	ich would include capture material ess. Some posed. DIMP ral Gas regarding the process of des:

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

Notes:

Evaluator Notes:

23

C23. Yes, MNOPS is active in NAPSR and responds to all NAPSR requests.

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.

Did the state participate in/respond to surveys or information requests from NAPSR or

1 1

1

No = 0 Needs Improvement = .5 Yes = 1

Evaluator Notes:

C24. Yes. MNOPS issued waivers in the past but they are all closed. MNOPS issued one waiver in 2014 that is still active: to Centerpoint Energy to waive 192,939 to waive re-assessment of certain old coupled pipe in favor of accelerated replacement of that pipe (by 2020). 25 Did the state attend the National NAPSR Board of Directors Meeting in CY being 1 1 evaluated? No = 0 Needs Improvement = .5 Yes = 1 **Evaluator Notes:** C25. Yes. MNOPS sent the Jon, the Program Manager, to National NAPSR in 2015. Jon is scheduled to attend National NAPSR in 2016. 2 26 Discussion on State Program Performance Metrics found on Stakeholder Communication 2 site - http://primis.phmsa.dot.gov/comm/states.htm No = 0 Needs Improvement = 1 Yes = 2 Discussion of Potential Accelerated Actions (AA's) based on any negative trends No () Improvement Needs Yes (•) b. NTSB P-11-20 Meaningful Metrics No () Improvement **Evaluator Notes:** C26. Yes. MNOPS has seen the report and has reviewed it over the last two years. The data seems consistent with MNOPS data. More years of information is required for meaningful trending work. Data that is internal to MNOPS is more detailed and usable for analysis. Review of all the data has caused MNOPS to make an initiative in 2016 to promote additional training outside the TQ training system. Inspectors are encouraged to seek an area of technical focus and take additional training in these areas. 27 Info OnlyInfo Only General Comments: Info Only = No Points **Evaluator Notes:** C27. The 2015 inspection plan focused on completion of Drug & Alcohol and Operator Qualification plan reviews. In addition to these inspections, MNOPS conducts field and records inspection of all intrastate operators each year. The MNOPS manual was modified and improved for 2015 to incorporate procedures for pre-inspection, inspection and postinspection activities. Additional planning processes were modified to allow inspectors to have an operator view of leaks/risk scores and a global view for comparison. Various spreadsheets were created to provide a graphical view for inspectors to utilize while conducting field and record and other types of inspections.

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



1	resolution of a probable violation? Chapter 5.1	4	4	4
	Yes = 4 No = 0 Needs Improvement = 1-3			
	a. Procedures to notify an operator (company officer) when a noncompliance is identified	Yes •	No 🔘	Needs Improvement
	 b. Procedures to routinely review progress of compliance actions to prevent delays or breakdowns 	Yes •	No 🔾	Needs Improvement
	or Notes:			
	 Yes, MNOPS Manual, Chapter 11, Administrative Processes, (see 11.5.3), also Chapter 5.2 Statutes 14.50-14.69. 	.1.3 Dire	ector Rev	view, Also
	\ \text{Surfaces 14.30 14.07.}			
2	Did the state follow compliance procedures (from discovery to resolution) and adequately document all probable violations, including what resolution or further course of action is needed to gain compliance? Chapter 5.1 Yes = 4 No = 0 Needs Improvement = 1-3	4	4	4
	a. Were compliance actions sent to company officer or manager/board member if	v 0	N O	Needs
	municipal/government system?	Yes •	No ()	Improvement
	b. Document probable violations	Yes 💿	No 🔘	Needs Improvement
	c. Resolve probable violations	Yes •	No 🔾	Needs Improvement
	d. Routinely review progress of probable violations	Yes •	No 🔾	Needs Improvement
	e. Were applicable civil penalties outlined in correspondence with operator(s)	Yes •	No 🔘	Needs Improvement
Evaluat	or Notes:			mprovement
D2.	Yes, Procedures were followed.			
3	Did the state issue compliance actions for all probable violations discovered?	2		2
	Yes = 2 No = 0 Needs Improvement = 1			
	or Notes:			
	Yes, several inspections were reviewed and violations documented in the inspection report	were ref	lected in	the NOPV
Let	ters.			
4	Did compliance actions give reasonable due process to all parties? Including "show cause" hearing if necessary. Yes = $2 \text{ No} = 0$	2	2	2
Evaluat	or Notes:			
D4.	. Yes, Due process was given to all parties.			
5	Is the program manager familiar with state process for imposing civil penalties? Were civil penalties considered for repeat violations (with severity consideration) or violations resulting in incidents/accidents? (describe any actions taken) Yes = 2 No = 0 Needs Improvement = 1	2	2	2
Evaluat	or Notes:			
D5.	Yes, the program manager and senior staff know the processes for issuing civil penalties.			
6	Can the State demonstrate it is using their enforcement fining authority for pipeline safety violations?	, 1		1
Evaluat	Yes = 1 No = 0 Needs Improvement = .5 or Notes:			
	Yes. Civil penalties were assessed and collected against certain NG operators in 2015. The	process	is the sar	ne for HL

7 General Comments:

Info OnlyInfo Only

operators.

Info Only = No Points

Evaluator Notes:

D7. The Minnesota procedures and statutes for processing violations are fully matured and utilized processes. The processes have been in existence since 1989 and are used to facilitate a wide range of enforcement options from Warning Letters to Civil Penalties as needed.

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
E1.	or Notes: Yes. See MNOPS Operating Guidelines Manual, Sec 5, Sec 6, & Appendix 1. Also see Sec icy'.	11.8 'Re	portable	Events
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 Improvement
F14	b. Acknowledgement of Federal/State Cooperation in case of incident/accident (Appendix E)	Yes •	No 🔾	Needs Improvement
E2.	or Notes: Yes. MNOPS is very cooperative with PHMSA, Central Region, and is familiar with Appendelines.	ndix E of	the Stat	e
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
E3.	or Notes: Yes. MNOPS generally makes site visits to significant incident/accidents, and if unable to vessary information telephonically and by e-mail, and by other means. MNOPS utilizes field investigation of incident/accidents in greater Minnesota.			
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
	c. Recommendations to prevent recurrences when appropriate	Yes ①	No 🔾	Improvement Needs Improvement
E4. wer Cer	Yes. Several of the incidents/accidents were reviewed and were found to be complete and in recissued during accident/incident investigations. For the significant incident for a lightning staterpoint meter set at a residence, the PV were 191.5, failure to report to the NRC & 192.617 estigation of the failure.	strike of	7/18/15	of a
5	Did the state initiate compliance action for violations found during any incident/accident investigation? $Yes = 1 No = 0$	1		1
Evaluate	or Notes:			
E5	Yes 18 probable violations were found in 2015 that were related to incidents/accidents			

6 Did the state assist region office by taking appropriate follow-up actions related to the operator incident reports to ensure accuracy and final report has been received by PHMSA? (validate report data from operators concerning incidents/accidents and investigate discrepancies) Chapter 6 Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

E6. Yes. MN is an Interstate Agent Program.



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7 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:

E7. Yes. MNOPS shares information learned from incidents / accidents throughout a variety of presentation and educational events throughout the year. This includes presenting at numerous damage prevention presentations aimed at excavators and underground utility operators in the state. In addition, MNOPS provides information to the public, emergency responders, state officials and pipeline operators.

8 General Comments: Info OnlyInfo Only

1

Info Only = No Points

Evaluator Notes:

E8. MNOPS routinely conducts on-site investigations throughout the state in follow up to both intrastate and interstate accidents/incidents. This allows MNOPS to ensure operators are making the area safe during a response, following applicable procedures/regulations and that steps are taken to prevent recurrence of failures.

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



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:

- F1. Yes. This question is addressed during Standard and DIMP inspections, and a MNOPS alert notice was issued to all operators.
- Did the state inspector check to assure the pipeline operator is following its written

 procedures pertaining to notification of excavation, marking, positive response and the availability and use of the one call system?

 Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

- F2. Yes. 192.614 is addressed during every Standard Inspection, and during Damage Prevention Inspections. MNOPS also investigates pipeline damages in follow up to its reportable event policy and mandatory damage reporting.
- Did the state encourage and promote practices for reducing damages to all underground 2 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:

- F3. Yes. 1. At the 2015 MNOPS hosted spring conference; MNOPS hosted sessions relating to Damage Prevention, specifically the quarterly Regional MNCGA meeting. 2. MNOPS continues to actively engage in both CGA and MNCGA discussions to implement best practices amongst stakeholders (National CGA conference, MNCGA quarterly meetings, and MNCGA sub-committee meetings. MNOPS currently serves as chair for the MNCGA Best Practices committee and Agricultural Awareness Committee. 3. MNOPS continues to promote use of MNCGA's website for stakeholders to register for annual Damage Prevention meetings and as a resource for up-to-date information on best practices and knowledge sharing. 4. MNOPS presented its damage prevention case studies at several, (40+), 'Diggers Meetings' throughout Minnesota in an effort to educate pipeline operators, utility operators and excavators on excavation best practices in MN. 5. MNOPS website is linked to CGA best practices MNOPS now has implemented a no locate initiative based on its mandatory damage reporting, which is a CGA best practice.
- Has the agency or another organization within the state collected data and evaluated trends on the number of pipeline damages per 1,000 locate requests? (This can include DIRT and other data shared and reviewed by the pipeline safety program)

 Yes = 2 No = 0 Needs Improvement = 1

2

2

Evaluator Notes:

- F4. Yes. The line hit information is gathered, compiled, reviewed, and compared year to year. Line hits per 1000 were 2.6, 2.06, & 2.46, 2.27 for the years 2012, 2013, 2014, & 2015.
- 5 General Comments: Info OnlyInfo Only
 Info Only = No Points

Evaluator Notes:

F5. MNOPS has hosted several meetings to review its current excavation laws (MS216D). MNOPS intends to host meetings in 2016 and make this process as transparent as possible. MNOPS is focused on damage prevention through education and enforcement of regulations. Data is collected to determine trends and to utilize the information to drive damages downward.

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



1	Operator, Inspector, Location, Date and PHMSA Representative Info Only = No Points	nfo OnlyInfo C	Only
	Name of Operator Inspected: 1. Centerpoint Energy 2. NorthStates Power		
	Name of State Inspector(s) Observed: 1. Jeff Cremin 2. Pat Donavan (Jon wolfegram and AdamRatzliffe also attended)		
	Location of Inspection: Various areas within 50 miles of Minneapolis and St. Paul.		
	Date of Inspection: 7/ 12 & 13/ 2016		
	Name of PHMSA Representative: Michael Thompson		
Evaluato			
	nnual maintenance of regulator stations, bridge and river crossings. ldyl-A replacement project		
2	Was the operator or operator's representative notified and/or given the opportunity to be present during inspection? $Yes = 1 No = 0$	1	1
Evaluato	r Notes:		
1 &	2 were both given ample notification for the inspections that took place.		
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			
	2, Yes, the inspectors used the state's inspection form on site as well as using a inspection for met program on the inspector's smart phone.	m that is availa	able in an
4	Did the inspector thoroughly document results of the inspection? Yes = 2 No = 0 Needs Improvement = 1	2	2
Evaluato			
1 &	2, Yes both inspectors thoroughly documented the inspections with notes and pictures.		
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
Evaluato	r Notes:		
1 &	2 Yes, No issues		
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)		
Evaluato	· · · · · · · · · · · · · · · · · · ·		

! & 2 Yes, both inspectors reviewed the procedures and records that were onsite and requested additional documentation and



records when necessary.

7	regulati	inspector have adequate knowledge of the pipeline safety program and ions? (Evaluator will document reasons if unacceptable) No = 0 Needs Improvement = 1	2 2
1 &	or Notes:	oth inspectors have many years of experience and showed their knowled	ge thru the questions that were asked of
8		inspector conduct an exit interview? (If inspection is not totally complete should be based on areas covered during time of field evaluation) $N_0 = 0$	ete the 1 1
	or Notes: 2 Yes, a	small exit interview was held at the end of each day of inspection.	
9	-	the exit interview, did the inspector identify probable violations found cons? (if applicable) $N_0 = 0$	during the 1 NA
No the		violations were identified during either of the inspections, however in in er Point Energy is conducting their regulator station relief tests were disc	
10	descrip	l Comments: 1) What did the inspector observe in the field? (Narrative tion of field observations and how inspector performed) 2) Best Practice ther States - (Field - could be from operator visited or state inspector pra	
		y = 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	
	i.	Damage Prevention	\boxtimes
	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 Marine Bire	
	r.	Moving Pipe	
	S.	New Construction	
	t.	Navigable Waterway Crossings	
	u.	Odorization Overmosoure Sefety Devices	
	V.	Overpressure Safety Devices	
	W.	Plastic Pipe Installation	
	х.	Public Education	
	у.	Purging Prevention of Accidental Ignition	
	Z. Λ	Prevention of Accidental Ignition	
	A.	Repairs	
	В.	Signs	\boxtimes



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

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



Yes = 1 No = 0 Needs Improvement = .5

Did the state use the current federal inspection form(s)?

1

Evaluator Notes:

1

1

2	Are results documented demonstrating inspection units were reviewed in accordance with "PHMSA directed inspection plan"? Yes = 1 No = 0 Needs Improvement = .5	n 1	1
Evaluato	or Notes:		
	Yes. Reference OPS System cases are created to facilitate the inspections.		
3	Did the state submit documentation of the inspections within 60 days as stated in its lates Interstate Agent Agreement form? Yes = 1 No = 0 Needs Improvement = .5	t 1	1
	or Notes: Yes. Information was submitted for 6 NG inspections, 1 LNG inspections, and 14 HL inspections.	ections. A	.ll were within 60
4	Were probable violations identified by state referred to PHMSA for compliance? (NOTE PHMSA representative has discretion to delete question or adjust points, as appropriate, based on number of probable violations; any change requires written explanation.) Yes = 1 No = 0 Needs Improvement = .5	: 1	1
Evaluato	or Notes:		
H4.	Yes. Zero PV have been found for the 21 interstate inspections in 2015, however some of the contraction of t	he inspec	tions are still active
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	1
Evaluato	or Notes:		
H5.	Yes. There were no imminent safety hazards found in 2015. If found they would have been	reported	immediately.
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:		
	NA. No PV were found.		
7	Did the state initially submit documentation to support compliance action by PHMSA on probable violations? Yes = 1 No = 0 Needs Improvement = .5	1	1
Evaluato	or Notes:		
H7.	NA. No PV were found.		
8	General Comments: Info Only = No Points	Info Only	Info Only

H8. MNOPS continues to be fully invested in the interstate agent role with PHMSA. MNOPS has the resources to fulfill all

H1. Yes. The PHMSA Inspection Assistant was used for all interstate inspection as requested by PHMSA. A modified version of the Standard Unit Inspection PIM was supplied to document the inspection as requested by Central Region.

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Evaluator Notes:

the assignments as necessary.

PAR	PART I - 60106 Agreement State (If Applicable) Point		Score
1	Did the state use the current federal inspection form(s)?	1	NA
	Yes = 1 No = 0 Needs Improvement = .5		
Evaluato			
11-6	NA Not a 60106 Agreement State		
2	Are results documented demonstrating inspection units were reviewed in accordance vistate inspection plan? Yes = 1 No = 0 Needs Improvement = .5	with 1	NA
Evaluato			
I1-6	NA Not a 60106 Agreement State		
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	or Notes:		
I1-6	NA Not a 60106 Agreement State		
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 No = 0 Needs Improvement = .5	1	NA
Evaluato			
I1-6	NA Not a 60106 Agreement State		
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	•		
I1-6	NA Not a 60106 Agreement State		
6	Did the state initially submit adequate documentation to support compliance action by PHMSA on probable violations? Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	1	NA
Evaluato			
	NA Not a 60106 Agreement State		



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

Info OnlyInfo Only

7

Evaluator Notes:

General Comments: Info Only = No Points

I1-6 NA Not a 60106 Agreement State