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

2016 Gas State Program Evaluation

for

Minnesota 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
- F -- Damage Prevention
- G -- Field Inspections
- H -- Interstate Agent State (If Applicable)
- I -- 60106 Agreement State (If Applicable)



2016 Gas State Program Evaluation -- CY 2016 Gas

State Agency: Minnesota Rating:

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

Date of Visit: 10/30/2017 - 11/03/2017

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
Minnesota Department of Public Safety
Address:
445 Minnesota Street, Suite 1000
City/State/Zip:
Saint Paul, MN 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 2016 (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		r ossible r offics	Points Scored
	Progress Report and Program Documentation Review	10	10
В	Program Inspection Procedures	13	13
C	Program Performance	49	49
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)	5	5
I	60106 Agreement State (If Applicable)	0	0
TOTAL	S	123	123
PARTS A B C D E F G H I TOTAL State Ra	iting		100.0

Review Accuracy of Jurisdictional Authority and Operator/Inspection Units Data - Progress 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 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. 967.53 inspection-days-NG Accuracy verification of Operators and Operators Inspection Units in State - Progress 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 Report Attachment 4 Yes = 1 No = 0 Needs Improvement = .5**Evaluator Notes:** A4. Yes, Attachment 4 is consistent with internal records. 5 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 \$42K and collected \$43K in civil penalties Were pipeline program files well-organized and accessible? - Progress Report 2 Attachment 6

PART A - Progress Report and Program Documentation

Yes = 2 No = 0 Needs Improvement = 1
Evaluator Notes:

A6. Yes, Files listed in Attachment 6 of

A6. Yes, Files listed in Attachment 6 can all be found in MNOPS database and network drive.

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 2016. 10.19 inspector person-years charged to the NG program.

8 Verification of Part 192,193,198,199 Rules and Amendments - Progress Report 1 1

Yes = 1 No = 0 Needs Improvement = .5

Attachment 8

Evaluator Notes:

A8. Yes, Attachment 8 is in agreement with Attachment 1, and is consistent with internal records. Noted that CFR 198 is is addressed in MN Statute 216D. MN Statute 299F.57 addresses CFR 191, 192, 193, & 199, and Federal Grants are well addressed under MN Statute '299F.64 FEDERAL MONEY'.

Points(MAX) Score

1

1

1

1

1

2

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 2016. 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. Full points were awarded in this Section. The Progress Report accurately showed the work performed by MNOPS. A particular accomplishment was the maturing of the staff. MNOPS once again held a very successful pipeline safety conference in Minnesota hosting over 300 attendees focused on pipeline safety and associate regulation. MNOPS inspectors engaged over 5000 utility operators, excavation contractors and emergency responders in education pertaining to underground utility damage prevention. Minnesota completed inspection of all intrastate pipeline operators in Minnesota in 2016. On a happy note, MNOPS was approved for an additional inspector FTE in 4th Qtr 2016, and the position was filled. OPS staff level was at 17 FTE and is now at 18 FTE.

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





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

1

1

Yes = 1 No = 0 Needs Improvement = .5

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

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

B6. Yes. See MNOPS Operating Guidelines Manual, Sec 5 & Appendix 1.

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

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

Vac 🕟	No \bigcirc	Needs
Yes 💿	NO O	Improvement
Yes (•)	No (Needs
i es 🕒	NO O	Improvement

	c. Type of activity being undertaken by operators (i.e. construction)	Yes •	No 🔘	Needs Improvement
	d. Locations of operators inspection units being inspected - (HCA's, Geographic areas, Population Density, etc)	Yes •	No 🔾	Needs Improvement
	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:			1
B7.	Yes. See MNOPS Operating Guidelines Manual, Sec 5, Appendix 1, and the 'Inspection Pl	an' in the	Databas	se.
8	General Comments: Info Only = No Points	Info Onl	lyInfo Or	nly
Evaluato	r Notes:			
B8.	Yes. This Section was awarded full points. The MNOPS Operating Guidelines Manual wa	s extensi	vely rev	iewed and
upda	ated in early 2015. This work was the result of the work of a Committee of seven OPS empl	oyees, ar	nd reflect	ted their

collaborative knowledge, skills, & abilities. This was noted during the 2015 audit. It was observed during the 2016 and 2017

evaluations 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): 967.53			
	B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7): 220 X 10.19 = 2242.53			
	Ratio: A / B 967.53 / 2242.53 = 0.43			
	If Ratio >= 0.38 Then Points = 5, If Ratio < 0.38 Then Points = 0 Points = 5			
	tor Notes:	*22 0\ 0	0.422 > 20 1	
CI	. Yes, 967.53 inspection-days, 10.19 inspector-years charged to the program, 967.53 /(10.19	*220)=0.	0.432, >.38, okay	y
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 Improvem	nent (
	b. Completion of Required DIMP*/IMP Training before conducting inspection as lead? *Effective Evaluation CY2013	Yes •	No O Needs Improvem	
	c. Root Cause Training by at least one inspector/program manager	Yes 💿	No O Needs Improvem	nent (
	d. Note any outside training completed	Yes •	No Needs Improvem	,
.	e. Verify inspector has obtained minimum qualifications to lead any applicable standard inspection as the lead inspector.	Yes •	No O Needs Improvem	,
C2 ins exp	tor Notes: . Yes. In 2016, 12 of 15 total inspectors had 3+ years of experience and were level 1 or 2. A pectors had less than 3 years of experience. All core training is complete for inspectors with perience. Several inspectors are qualified to lead OQ & IMP and many also have Root Cause. Q & IMP inspections.	3 or mor	e years of	
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	tor Notes: . Yes. Jon has been Program Manager for 5 years and was an inspector for 3 years before the cessary knowledge, skills, & abilities for the Program Manager position.	t. He der	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 No = 0 Needs Improvement = 1	2	2	
	tor Notes:			
C4	. Yes, MNOPS had a perfect score for 2015. A response letter was not required.			
5	Did State conduct or participate in pipeline safety training session or seminar in Past 3 Years? Chapter 8.5 Yes = 1 No = 0	1	1	
	for Notes:	1	o for the 2017 0)_
	. Yes. Every year; in April 2013, April 2014, April 2015, April 2016, & April 2017. TQ was 17 Seminars. The next one is scheduled for April 2018.	s a no-sh	ow 101 the 2016 &	۷



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 $_{\text{Yes} = 1 \text{ No} = 0}$	1	1
opera		aining, ai	
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	1
Evaluator C9. follo	Yes, Centerpoint's cast iron replacement plan is reviewed many times per year; during inspe	ctions, R	SI, & incident
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
		5 (A), ar	nd 'Emergency
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 $_{\text{Yes} = 1 \text{ No} = 0}$	1	1
Evaluator C11			
	125. It is on the Std hisp Form, per 172.017, and is reviewed during meldents.		
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

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?

C6. Yes; 78 Gas & 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. In 2016 MNOPS became current for all inspection types. The Program Manager's continuing focus on this area is noted and

C7. Yes. Reviewed 6 Gas & 2 HL inspections from 7 inspectors. All were complete and federal forms and the IA database were used for each inspection. The Natural Gas inspection files reviewed were: 50519174, 141410474, 141422670, 141406392, 141416083, & 141443579. The Hazardous Liquid inspection files reviewed were: 141435570, & 141427654.

intervals established in written procedures? Chapter 5.1

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

Yes = 2 No = 0 Needs Improvement = 1



5

2

2

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7

Evaluator Notes:

appreciated.

Chapter 5.1

	. 1 cs, bee winter 5 war
focu	s for inspections.
13	Did state input all app timely manner? This Chapter 5.1 Yes = 2 No = 0 Needs Imp
Evaluato	r Notes:
C13.	Yes. The OQ & IMP i
14	Has state confirmed in NPMS database along Yes = 1 No = 0 Needs Imp
Evaluato	_
C14.	Yes, usually under Sta
who	does a GIS review of ea
15	Is the state verifying of
10	with program. 49 CF
	with program. 49 CFI Yes = 2 No = 0 Needs Imp
Evaluato	
Evaluato C15.	with program. 49 CFI Yes = 2 No = 0 Needs Imp r Notes: Yes. The Drug and Al-
Evaluato C15. Forn	with program. 49 CFI Yes = 2 No = 0 Needs Imp r Notes: Yes. The Drug and Al- n) *Most Operators D&.
Evaluato C15. Forn requ	with program. 49 CFI Yes = 2 No = 0 Needs Imp r Notes: Yes. The Drug and Al n) *Most Operators D& est. Currently MIS data
Evaluato C15. Forn requ the C	with program. 49 CFI Yes = 2 No = 0 Needs Imp r Notes: Yes. The Drug and Al n) *Most Operators D&

Evaluator Notes: C12. Yes, See MNOPS Manual, Chapter 5 & Appendix 1. Data from the annual reports is used to determine specific areas of 2

licable OQ, DIMP/IMP inspection results into federal database in a 2 includes replies to Operator notifications into IMDB database.

covernent = 1

nformation was uploaded into the federal databases in a timely manner.

trastate transmission operators have submitted information into 1 with changes made after original submission? rovement = .5

ndard inspections see 192.605(b)(3) & 195.402(c)(1). In addition, MNOPS has an IT employee ch operator annually and correlates operator maps to NPMS.

2 2 perators are conducting drug and alcohol tests as required by ald include verifying positive tests are responded to in accordance R 199 rovement = 1

cohol Program requests each operator return a Self-Assessment form (modeled after the Federal A Programs are monitored thru a Consortium; MIS data is available to the Feds and States upon to the state is voluntary. * Consortium data on Positive test results is relayed to the operator and MIS form for the operator. The Self-Assessment date from the operator has the MRO, SAP, Lab of effice follows the regulations requirement of anonymity of EAP participants.

ators OQ programs are up to date? This should include verification d that persons performing covered tasks (including contractors) are requalified at intervals determined in the operators plan. 49 CFR 192 Part N

2

2

2

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Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

C16. Yes. MNOPS is actively performing and uploading OQ inspections, both Program Inspections and Field Inspections. The OQ Lead is Claude Anderson. Effective in 2017, the OQ Lead duties will be assigned to several qualified inspectors.

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). (Are the State's largest operators programs being contacted or reviewed annually?). 49 CFR 192 Subpart 0 Yes = 2 No = 0 Needs Improvement = 1

2

Evaluator Notes:

C17. Yes. TIMP inspections are current.

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). (Are the State's largest operators programs being contacted or reviewed annually?). 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

Evaluator Notes:

C18. Yes. The first round of DIMP inspections were complete by 12/31/2014. New LDCs are being contacted in the first year and initial DIMP inspections are usually conducted within 3 years but not to exceed 5 years.

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
Evaluato			
DIM syste oper easil is ex Natu in th	Yes. MNOPS completed review of all operator DIMP plans which includes plastic pipe. MIP guide material to aid in conducting the inspections. The review of DIMP plans looked at agents which would include follow up to potentially problematic materials including plastics. Distance to capture material information for newly constructed lines making follow up to problem by be address. Some Minnesota operators have adopted programs where existing materials are posed. DIMP Reference Guide Questions (#9,#10,#12,#13, #16, #17) MNOPS continues to waral Gas regarding replacement of its PVC piping. There have been numerous damages to this e process of working with Sheehan Gas to determine if Century Pipe has been replaced. Additionally the problem of the process of working with Sheehan Gas to determine if Century Pipe has been replaced.	oplicable IMP addi natic ma recorded vork with brittle m	threats to pipelin tionally requires terials to more I in the event a lin Great Plains naterial MNOPS
-MN num -MN	Ides: OPS continues to work with Great Plains Natural Gas regarding replacement of its PVC pipingerous damages to this brittle material OPS is in the process of working with Sheehan Gas to determine if Century Pipe has been rejuterPoint Energy will have remaining PVC piping removed in 2016.		e have been
-MN num -MN	OPS continues to work with Great Plains Natural Gas regarding replacement of its PVC piping erous damages to this brittle material IOPS is in the process of working with Sheehan Gas to determine if Century Pipe has been rejeterPoint Energy will have remaining PVC piping removed in 2016. Did the state participate in/respond to surveys or information requests from NAPSR or PHMSA? Yes = 1 No = 0 Needs Improvement = .5		e have been
-MN num -MN -Cer	OPS continues to work with Great Plains Natural Gas regarding replacement of its PVC piping erous damages to this brittle material IOPS is in the process of working with Sheehan Gas to determine if Century Pipe has been rejeterPoint Energy will have remaining PVC piping removed in 2016. Did the state participate in/respond to surveys or information requests from NAPSR or PHMSA? Yes = 1 No = 0 Needs Improvement = .5	placed.	e have been

Is state verifying operators Public Awareness programs are up to date and being

conducted every four years by operators. 49 CFR 192.616

Yes = 2 No = 0 Needs Improvement = 1

next round of inspections was started in 2017.

Yes = 1 No = 0 Needs Improvement = .5

Reports? Chapter 6.3

followed. State should also verify operators have evaluated Public Awareness programs for effectiveness as described in RP1162. PAPEI Effectiveness Inspections should have been completed by December 2013. PAPEI Effectiveness Inspections should be

Does the state have a mechanism for communicating with stakeholders - other than state

pipeline safety seminar? (This should include making enforcement cases available to

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

C19. Yes. MNOPS has records of their PAPEI inspections & they are complete and uploaded into the federal database. The

C20. Yes. Enforcement is published on MNOPS homepage; Pipeline Safety Conference annually (instead of every 3 years); DPP Presentations; Holiday Mailings; Annual MS216D Review meetings; MN Farm Fest; Utility Coordination Committees; Common Ground Alliance presentation; 811 governors proclamation posted on website; Public meetings to discuss DP initiatives; DP trends and analysis presentation at MNOPS Conference; GSOC Communications Committee and Operations Committee; contribution to the one-call center newsletter (published quarterly)? See GSOC website under newsletter



2

1

1

2

1

1

19

Evaluator Notes:

Evaluator Notes:

public).

20

21

Eval	luator	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
	evaluated?

1

1

Needs

Improvement

No = 0 Needs Improvement = .5 Yes = 1

Evaluator Notes:

C25. Yes. MNOPS sent Jon, the Program Manager, to National NAPSR in 2016. Jon also attended National NAPSR in 2017.

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

a. Discussion of Potential Accelerated Actions (AA's) based on any negative trends

Yes

No

Needs

Improvement

No
Needs

Improvement

b. NTSB P-11-20 Meaningful Metrics

Evaluator Notes:

C26. Yes. MNOPS has reviewed the State Program Performance Metrics over the last three years. The data is consistent with MNOPS data. The data is inconclusive for meaningful trending work, but seems to be trending in a positive direction. The six metric areas are reviewed. This information is also available from Annual Reports. The graphs are helpful. There are no negative trends that can't be readily explained. Staff Retention seems to be improving and Leak Trends seems to be declining. 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. No additional changes have been identified for 2017.

27 Discussion with State on accuracy of inspection day information submitted into State Info OnlyInfo Only Inspection Day Calculation Tool. (No points)
Info Only = No Points

Evaluator Notes:

C27. SICT analysis does not stress MNOPS staffing. The actual inspection days for 2016 were 967 gas and 224 HL. These counts well exceed the old minimum staffing numbers of 432 gas and 7 HL, and also well exceed the SICT minimum staffing numbers of 637 gas and 23 HL.

Did the State verify Operators took appropriate action regarding Pipeline Flow Reversals, Info OnlyInfo Only Product Changes and Conversions to Service? See ADP-2014-04 (No Points)

Info Only = No Points

Evaluator Notes:

C28. MNOPS has searched in IA and found references to flow reversals in the screening guidance for Standard Inspections and in the IA CRM/SCADA questions. MNOPS has confirmed that ADP-2014-04 is in the list of Advisory Bulletins to be reviewed during a Standard Inspection. Flow reversal in MN is very low risk with a very low likelihood of happening.

29 General Comments:

Info OnlyInfo Only

Info Only = No Points

Evaluator Notes:

C29. Full points were awarded to this Section. The 2016 inspection plan focused on completion of DIMP Implementation 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 2016 to incorporate procedures for pre-inspection, inspection and post-inspection 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: 49 Total possible points for this section: 49



1	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 🔾	Needs Improvement
	b. Procedures to routinely review progress of compliance actions to prevent delays or breakdowns	Yes •	No 🔾	Needs Improvement
	c. Procedures regarding closing outstanding probable violations	Yes 💿	No 🔘	Needs Improvement
	r Notes: Yes, MNOPS Manual, Chapter 11, Administrative Processes, (see 11.5.3), also Chapter 5.2 Statutes 14.50-14.69.	2.1.3 Dir	ector Re	
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
	a. Were compliance actions sent to company officer or manager/board member if municipal/government system?	Yes •	No 🔾	Needs 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
Evaluato	e. Were applicable civil penalties outlined in correspondence with operator(s) r Notes: Yes, Procedures were followed.	Yes •	No 🔾	Needs Improvement
	1 co, 1 recodules were renewed.			
3	Did the state issue compliance actions for all probable violations discovered? Yes = 2 No = 0 Needs Improvement = 1	2		2
Evaluato D3. Lette	Yes, several inspections were reviewed and violations documented in the inspection report	were ref	lected in	the NOPV
4	Did compliance actions give reasonable due process to all parties? Including "show cause" hearing if necessary. $Yes = 2 No = 0$	2		2
Evaluato				
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 = $2 \text{ No} = 0 \text{ Needs Improvement} = 1$	2		2
Evaluato	r Notes:		• •	
	Yes, the program manager and senior staff know the processes for issuing civil penalties ar y year.	nd civil p	enalties	are issued
6	Can the State demonstrate it is using their enforcement fining authority for pipeline safety violations? Yes = 1 No = 0 Needs Improvement = .5	7 1		1

D6. Yes. Civil penalties were assessed and collected against certain Gas operators in 2016. The process is the same for HL

Evaluator Notes:

operators.

General Comments:

Info Only = No Points

Evaluator Notes:

D7. Full points were awarded for this Section. 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	2
	or Notes: Yes. See MNOPS Operating Guidelines Manual, Sec 5, Sec 6, & Appendix 1. Also see Sec Secy'.	: 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	2
	a. Acknowledgement of MOU between NTSB and PHMSA (Appendix D)	Yes 💿	No 🔘	Needs Improvement
	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 Appedelines.	ndix E of	f the State	2
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]	I
E3.	or Notes: Yes. MNOPS generally makes site visits to significant incident/accidents, and if unable to ressary 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	3
	a. Observations and document review	Yes 💿	No 🔘	Needs Improvement
	b. Contributing Factors	Yes •	No 🔾	Needs Improvement
	c. Recommendations to prevent recurrences when appropriate	Yes 💿	No 🔘	Needs Improvement
E4.	or Notes: Yes. Several of the incidents/accidents were reviewed and were found to be complete and i ed as needed during accident/incident investigations.	nternally	consister	
5	Did the state initiate compliance action for violations found during any incident/accident	1		1

Yes = 1 No = 0Evaluator Notes:

investigation?

E5. Yes. There was 1 significant incident and 3 significant accidents in 2016. All were inspected for compliance with the regulations. There was a warning issued for the Magellan accident.

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

1

Evaluator Notes:

E6. Yes. MN is an Interstate Agent Program.

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, during the Central Region NAPSR meetings, and 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

Info Only = No Points

Evaluator Notes:

E8. Full points were awarded for this Section. 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

2

2

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 2017 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. During 2014-2016, MNOPS served as the chair for the MNCGA Best Practices committee and currently serves as the chair the 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 various Damage Prevention Meetings (Diggers Meetings) throughout Minnesota in an effort to educate pipeline operators, utility operators and excavators on excavation best practices in MN. (PPT file and location map of 2016 Damage Prevention Presentations are saved in the link below.)
- 5. MNOPS website is linked to CGA best practices.
- 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:

F4. Yes. The line hit information is gathered, compiled, reviewed, and compared year to year. Line hits per 1000 were 2.26, 1.88, 2.07, 2.23, and 2.22 for the years 2012-2016. Note; historical line hit numbers are re-visited based on new operator information and the numbers will change as a result.

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

2

Evaluator Notes

F5. MNOPS has facilitated four meetings so far in 2016 & 2017 to review its current excavation laws (MS216D) for 2018 legislative consideration. Each meeting lasts five to six hours. All underground utility stakeholders are encouraged to attend and provide their input and feedback on how to improve MN's One Call laws. Stakeholders have included state regulators, pipeline operators, excavators, underground utility owners, locators, municipalities, one call center, state transportation department and the public.

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

1

Info OnlyInfo Only

and PHMSA Representative	Info OnlyInfo	Only
es 3. Center Point		
l: t Donavan		
V 3. Mankato, MN		
17		
rentative notified and/or given the opportunity to be	1	1
esentatives on site. esentatives on site. esentatives on site.		
inspection form/checklist and was the form/checklist was regulations shall be incorporated)	st 2	2
ent results of the inspection?	2	2
es electronically selectronically es on the inspection form and took pictures with a d	igital camera.	
operator had necessary equipment during inspection ometer, soap spray, CGI, etc.)	n 1	1
	-	
	-	
	es 3. Center Point I: t Donavan II: t Donavan III: t Donavan II	es 3. Center Point It to Donavan It 3. Mankato, MN 17 It to Donavan It 3. Mankato, MN 18 It to Donavan It 4. Donavan It 5. Donavan It 5. Donavan It 6. Donavan It 7 It

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

Procedures

DUNS: 804886729 2016 Gas State Program Evaluation

6

2

2

 \boxtimes

	b.	Records	\bowtie	
	c.	Field Activities	\boxtimes	
	d.	Other (please comment)		
	or Notes:			
		ary procedures and records were checked for all field activities observed during th		
		ary procedures and records were checked for all field activities observed during the	-	
3. 1	ne necessa	ary procedures and records were checked for all field activities observed during the	e inspection.	
7	regulation	inspector have adequate knowledge of the pipeline safety program and ons? (Evaluator will document reasons if unacceptable) No = 0 Needs Improvement = 1	2	2
	or Notes:	on all accord and accord a low accollections of the minutine and the manufactions.		~ 41. a
	ne inspection.	or showed adequate knowledge of the pipeline safety program and the regulations	s while conducting	g the
		or showed adequate knowledge of the pipeline safety program and the regulations	s while conductin	g the
	ection.	si sho waa aacqaano mio waago or are piperme sarety program and regulations	, , , , , , , , , , , , , , , , , , ,	5 ····•
		or showed adequate knowledge of the pipeline safety program and the regulations	while conducting	g the
insp	pection.			
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
	or Notes:			
1. Y				
2. Y 3. Y				
	. 65			
9	_	the exit interview, did the inspector identify probable violations found during the ons? (if applicable) $N_0 = 0$	1	1
	or Notes:			
		pector noted a couple probable violations from the days inspection.		
		e violations or concerns were noted during the inspection.	. 1 .:	. ,.
		le issues were noted and will be followed up on to determine if there are probable pressure gauges)	violations on thi	s inspection.
10	descript with Otl	Comments: 1) What did the inspector observe in the field? (Narrative ion of field observations and how inspector performed) 2) Best Practices to Share her States - (Field - could be from operator visited or state inspector practices) 3)	Info OnlyInfo Or	nly
	Other.	N. D. C.		
	•	y = No Points Abandonment	∇	
	a. b.			
		Abnormal Operations Break-Out Tanks		
	c.			
	d.	Compressor or Pump Stations		
	e.	Change in Class Location		
	f.	Casings Cathodia Protection		
	g.	Cathodic Protection		
	h.	Cast-iron Replacement		
	i.	Damage Prevention		
	j.	Deactivation		
	k.	Emergency Procedures		
	1.	Inspection of Right-of-Way		
	m.	Line Markers		
	n.	Liaison with Public Officials		



0.	Leak Surveys		
p.	MOP		
q.	MAOP		
r.	Moving Pipe		
S.	New Construction		
t.	Navigable Waterway Crossings		
u.	Odorization		
v.	Overpressure Safety Devices		
W.	Plastic Pipe Installation		
X.	Public Education		
y.	Purging		
Z.	Prevention of Accidental Ignition		
A.	Repairs		
B.	Signs		
C.	Tapping		
D.	Valve Maintenance		
E.	Vault Maintenance		
F.	Welding		
G.	OQ - Operator Qualification		
H.	Compliance Follow-up		
I.	Atmospheric Corrosion		
J.	Other		
Evaluator Notes:			
	Total points scored for this section: 12 Total possible points for this section: 12		



1	Did the state use the current federal inspection form(s)? Yes = 1 No = 0 Needs Improvement = .5	1	1
H1.	or Notes: Yes. The PHMSA Inspection Assistant was used for all interstate inspection as requested by sion of the Standard Unit Inspection PIM was supplied to document the inspection as requested.		
2	Are results documented demonstrating inspection units were reviewed in accordance with "PHMSA directed inspection plan"? Yes = 1 No = 0 Needs Improvement = .5	1	1
H2.	or Notes: Yes. MNOPS' 'Reference OPS System cases' are created to facilitate the inspections. Assign the PHMSA Central Region and IA was used for the inspections. All of the assigned inspec		
3	Did the state submit documentation of the inspections within 60 days as stated in its latest Interstate Agent Agreement form? Yes = 1 No = 0 Needs Improvement = .5	1	1
	or Notes: Yes. Information was submitted for 2 Gas inspections, 1 LNG inspections, and 4 HL inspects.	ions. All	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
	Yes. 1 PV was found for the 7 interstate inspections in 2016.		
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
	or Notes: Yes. There were no imminent safety hazards found in 2016. If found they would have been to	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	NA

Evaluator Notes:

H7. NA. No PV were found.

8 General Comments:

Info OnlyInfo Only

Info Only = No Points Evaluator Notes:

H8. Full points were awarded for this Section. MNOPS continues to be fully invested in the interstate agent role with PHMSA. MNOPS has the resources to fulfill all the assignments as necessary.

Total possible points for this section: 5



	Γ I - 60106 Agreement State (If Applicable)	ints(MAX)	Score
1	Did the state use the current federal inspection form(s)? Yes = 1 No = 0 Needs Improvement = .5	1	NA
	or Notes:		
I1-6	5 NA Not a 60106 Agreement State		
2	Are results documented demonstrating inspection units were reviewed in accordance w state inspection plan? Yes = 1 No = 0 Needs Improvement = .5	ith 1	NA
Evaluato	or Notes:		
I1-6	5 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:		
11-6	5 NA Not a 60106 Agreement State		
11-6 	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
4	Did the state immediately report to PHMSA conditions which may pose an imminent safety hazard to the public or to the environment?	1	NA
4 Evaluato	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
4 Evaluato	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 or Notes:	1	NA NA
4 Evaluate I1-6	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 or Notes: 6 NA Not a 60106 Agreement State Did the state give written notice to PHMSA within 60 days of all probable violations found?		
4 Evaluate 11-6 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 or Notes: 6 NA Not a 60106 Agreement State Did the state give written notice to PHMSA within 60 days of all probable violations found? Yes = 1 No = 0 Needs Improvement = .5		
4 Evaluato 11-6 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 or Notes: Did the state give written notice to PHMSA within 60 days of all probable violations found? Yes = 1 No = 0 Needs Improvement = .5 or Notes: NA Not a 60106 Agreement State Did the state initially submit adequate documentation to support compliance action by PHMSA on probable violations?		
4 Evaluate 11-6 5 Evaluate 11-6	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 or Notes: Did the state give written notice to PHMSA within 60 days of all probable violations found? Yes = 1 No = 0 Needs Improvement = .5 or Notes: NA Not a 60106 Agreement State Did the state initially submit adequate documentation to support compliance action by	1	NA



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