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

2016 Gas State Program Evaluation

for

MARYLAND PUBLIC SERVICE 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
- 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: Maryland Rating:

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

Date of Visit: 06/26/2017 - 07/14/2017

Agency Representative: John J. Clementson, Assistant Chief Engineer

Kobby Anyinam, Pipeline Safety Engineer Adesina Jalyeola, Pipeline Safety Engineer R.K. Amroliwala, Pipeline Safety Engineer Negussie Tesfaye, Pipeline Safety Engineer

PHMSA Representative: Glynn Blanton, US DOT/PHMSA State Evaluator

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

Name/Title: W. Kevin Hughes, Chairman

Agency: Maryland Public Service Commission

Address: 6 St. Paul Street, 19th Floor City/State/Zip: Baltimore, MD 21202-6806

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

Scoring Summary

PARTS		Possible Points	Points Scored
Α	Progress Report and Program Documentation Review	10	10
В	Program Inspection Procedures	13	13
С	Program Performance	48	48
D	Compliance Activities	15	15
Е	Incident Investigations	11	11
F	Damage Prevention	8	4
G	Field Inspections	12	12
Н	Interstate Agent State (If Applicable)	0	0
I	60106 Agreement State (If Applicable)	0	0
TOTAL	LS	117	113
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	1	1
	Report Attachment 1		
	Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$		

Evaluator Notes:

A review of Attachment 1 found one additional LPG operator, Taylor Gas, & one Intrastate Transmission operator, PSEG Keys Energy, were added to the operators under MD PSC jurisdictional authority in CY2016. Additionally, one master meter operator, Marriot Corporation, was removed from the list due to being purchased by a distribution company. A review of Attachment 3 confirmed these changes. It was suggested to the Program Manager to list new or deleted operators in the "note section" of the attachments in future filings.

2	Review of Inspection Days for accuracy - Progress Report Attachment 2	1	1
	Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$		
Evaluator	Notes:		
Revie	ewed inspection days of each activity in Attachment 2 and found information correct.		

3 Accuracy verification of Operators and Operators Inspection Units in State - Progress 1
Report Attachment 3
Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Two additional operators were added to the list from the previous filing, Taylor Gas-LPG and PSEG Keys Energy-Intrastate Transmission. One master meter operator, Marriot Corporation, was removed due to being purchased by a distribution company. No issues and information was correct.

Were all federally reportable incident reports listed and information correct? - Progress 1

Report Attachment 4

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

One incident occurred in CY2016 on Washington Gas Light Company facility. The incident at 8701 Arliss Street in Silver Springs, MD is still under investigation by NTSB and MD PSC. No issues with Attachment 4.

5 Accuracy verification of Compliance Activities - Progress Report Attachment 5

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Reviewed compliance activities and found information matched records in office and files. The number of carryovers,47, to be corrected was less than previous year, 92. No areas of concern.

6 Were pipeline program files well-organized and accessible? - Progress Report 2 2 Attachment 6

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

Yes. Files and records located in office were well-organized and accessible.

Was employee listing and completed training accurate and complete? - Progress Report 1
Attachment 7
Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

A review of Attachment 7 and TQ records indicate all inspectors except Negussie Tesfaye and Kobby Anyinam have completed training to meet the Gas Inspector requirements. Additionally, Rick Miller has not completed PL1297 course to meet the requirements for Gas IM inspector training and was listed in last year's program evaluation. Program Manager has scheduled to have Rick Miller attend the course in August, 2017.



Attachment 8 Yes = 1 No = 0 Needs Improvement = .5**Evaluator Notes:** MD PSC has automatic adoption of federal rules and regulations. MD PSC civil penalty amounts are the same as PHMSA. Civil penalties for damage prevention is listed in Maryland Public Utilities Articles and Related Laws, Title 12 Underground Facilities: 12-135. No issues. 9 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:** Planned and past program performance were listed along with DPAP information. No issues with Attachment 10. 10 Info OnlyInfo Only General Comments: Info Only = No Points **Evaluator Notes:** No loss of points occurred in this section of the review. Total points scored for this section: 10 Total possible points for this section: 10

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

8

- 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:

Improvement was noted in a rewrite of MD PSC written procedures for pipeline safety. In this regard, standard inspection procedures for pre-inspection, inspection and post-inspection are listed under V. Conducting Inspections, Section E, Record Inspection, page 11.

- 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

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Improvement was noted in a rewrite of MD PSC written procedures for pipeline safety. In this regard, IMP & DIMP inspection procedures for pre-inspection, inspection and post-inspection are listed under V. Conducting Inspections, Section O, Distribution Integrity Management Programs, page 17.

- 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.
- 1 1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Improvement was noted in a rewrite of MD PSC written procedures for pipeline safety. OQ inspection procedures for preinspection, inspection and post-inspection are listed under V. Conducting Inspections, H. Training and Operator Qualification (OQ) Inspections, page 16.

- 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 1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Improvement was noted in a rewrite of MD PSC written procedures for pipeline safety. Damage Prevention procedures for pre-inspection, inspection and post-inspection are listed under V. Conducting Inspections, L. Damage Prevention Activities, page 16.

- 5 Any operator training conducted should be outlined and appropriately documented as needed.
- 1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes

Yes, this item is listed under V. Conducting Inspections, Section K. Operator Training on page 16.

- 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:

Improvement was noted in a rewrite of MD PSC written procedures for pipeline safety. Construction inspection procedures for pre-inspection, inspection and post-inspection are listed under V. Conducting Inspections, Section G. Design, Testing and Construction Inspection, page 13.

7	Does inspection plan address inspection priorities of each operator, and if necessary each unit, based on the following elements? Yes = 6 No = 0 Needs Improvement = 1-5	6		6
		Yes •	No 🔘	Needs Improvement
	b. Operating history of operator/unit and/or location (includes leakage, incident and compliance activities)	Yes •	No 🔾	Needs Improvement
	c. Type of activity being undertaken by operators (i.e. construction)	Yes •	No 🔘	Needs Improvement
	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
	1	Yes 💿	No 🔘	Needs Improvement
IV. I	Notes: overnent was noted in a rewrite of MD PSC written procedures for pipeline safety. Inspection procedures	d files in	dicate al	1
8	General Comments: Info Only = No Points	Info Only	Info On	ıly
Evaluato	·			
No 1	oss of points occurred in this section of the review.			
	Total points see	ored for 1	this sect	ion: 13

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



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): 524.25			
B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7): 220 X 5.46 = 1201.57			
Ratio: A / B 524.25 / 1201.57 = 0.44			
If Ratio >= 0.38 Then Points = 5, If Ratio < 0.38 Then Points = 0 Points = 5			
Evaluator Notes: A.Total Inspection Person Days (Attachment 2)= 524.25 B.Total Inspection Person Days Charged to the program(220*Number of Inspection person yea =1201.56652 Formula:- Ratio = A/B = 524.25/1201.56652 = 0.44 Rule:- (If Ratio >=.38 then points = 5 else Points = 0.) Thus Points = 5	ars(Attac	hment 7)	
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
e. Verify inspector has obtained minimum qualifications to lead any applicable standard inspection as the lead inspector.	Yes •	No 🔾	Needs Improvement
Evaluator Notes: Yes, a review of TQ transcript data confirm the following: All inspectors including the two rece OQ training before conducting an inspection as a lead. Three inspectors, Rick Miller, Negussie have not completed the IMP training but the remaining inspectors have met the training require Carlos Acosta, R.K. Amroliwala & Adesina Jaiyeola have completed the Root Cause training. Yeatended the Appalachian Underground Corrosion Short Course and Rick Miller, RK Amroliwal the Greater Chesapeake Damage Prevention Training course. All but two inspectors, Kobby Arare qualified to perform and lead a standard inspection.	Tesfaye ments. Jo Yes, Adea la & Car	& Kobby ohn Clem sina Jaiyo los Acos	Anyinam, nentson, eola ta attended
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 Notes: Yes, John Clementson has completed all training courses for Gas & Hazardous Liquid Inspecto has over twenty years experience in pipeline safety inspection work.	r training	g requirer	ments and

Evaluator Notes:

4

John Clementson requested an extension of time be granted to submit the Chairman's response letter on August 26, 2016 due to the Silver Springs Maryland accident. Zach Barrett granted the extension till September 5, 2016.

Chairman Hughes' response letter was received on August 31, 2016 and within the required extension date.

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

Did State conduct or participate in pipeline safety training session or seminar in Past 3

Yes, MD PSC and TQ staff conducted a pipeline safety training seminar in April, 2016 at Linthicum Heights, MD. The three days seminar was attended by operators from distribution, master meter and LPG systems. Total number of attendees from

1

1



5

Evaluator Notes:

Years? Chapter 8.5 Yes = 1 No = 0

LDC was 88 and Master Meter 25.

Yes for	Evaluator Notes: Yes, operator's annual reports are reviewed by Program Manager and data entered into a spreadsheet. The data is reviewed for trends in the number of services, mains and leakage. Inspector's also review the reports with the operators during the inspection audits.				
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 No = 0 Needs Improvement = 1	2	2		
Evaluato	or Notes:				
Yes	, MD PSC is using IA program to meet this requirement.				
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		
	or Notes:				
repi	, this is being accomplished in a separate letter from the Program Manager to the intrastate tra- resentative requesting a copy of the email from NPMS confirming any changes or updates. A reing performed. No issues.				
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		
Evaluato	or Notes:				
Yes	, they use MD PSC Form EN # 10, Drug & Alcohol, to verify the operator is conducting drug	and alco	hol tests.		
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		
Evaluato	or Notes:				
	, this is being accomplished by all inspectors using the Federal Program IA.				
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	2		
Evaluato	or Notes:				
Yes	, MD PSC uses the Federal Program IA to verify this information.				
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	2		

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

accuracy and analyzed data for trends and operator issues?

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

DUNS: 839662079

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Yes, MD PSC uses the Federal Program IA to verify this information.

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2

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. 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

Yes, MD PSC staff members continue to meet with operators on a quarterly schedule at the Gas Operator Advisory

conducted every four years by operators. 49 CFR 192.616

Yes, MD PSC uses the Federal Program IA to verify this information.

Yes = 2 No = 0 Needs Improvement = 1

Yes = 1 No = 0 Needs Improvement = .5



19

Evaluator Notes:

Evaluator Notes:

20

2

1

2

26	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
Rev 31, leak MD	or Notes: riewed requested data from operators on leaks and cause of leaks referred to in Chairman's received requested data from operators on leaks and cause of leaks referred to in Chairman's received and PSC is tracking leaks and causes for both services and mains over a three-year person mains were trending downward and services upward. The upward trend on service lines PSC will continue to monitoring these trends during their review of the operator's annual recently released information on CY2016 Gas Distribution Damages Per State. The results est damages rate of 1.11 in the Nation. The highest damage rate was Hawaii at 20.01.	riod. Res	sults sho to equipi d field in	ed August w overall ment failure. aspections.
27	Discussion with State on accuracy of inspection day information submitted into State Inspection Day Calculation Tool. (No points) Info Only = No Points	Info On	yInfo Oı	nly
Rev	or Notes: riewed the SIDCT with John Clementson and found the results closely reflected the actual in formed. No anticipated changes are proposed in CY2017 review of the SDCT for MD PSC.	spection	days be	ing
28	Did the State verify Operators took appropriate action regarding Pipeline Flow Reversals, Product Changes and Conversions to Service? See ADP-2014-04 (No Points) Info Only = No Points	Info On	yInfo Oı	nly
	or Notes:			
	riewed the Advisory Bulletin Notice with John Clementson. This item will be included and d Transmission operators in future inspection audits.	liscussed	with the	E Liquid and
29	General Comments: Info Only = No Points	Info On	yInfo Oı	nly
Evaluate	or Notes:			
No	loss of points occurred on this section of the review.			
	Total points so Total possible p			

DUNS: 839662079 2016 Gas State Program Evaluation

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	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
	c. Procedures regarding closing outstanding probable violations	Yes 💿	No 🔾	Needs Improvement
a. Y and PRO b. Y	or Notes: Yes, this is listed in Section V. CONDUCTING INSPECTIONS, Subsection P. Notice of Pro Yor Warning Letters (WARN) of MD PSC INSPECTION, ENFORCEMENT AND INCIDED DOCEDURES, page 17. Yes, same location as listed above. Yes, this information is described in Subsection R. Notice of Probable Violation Tracking.			(NOPV)
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
	e. Were applicable civil penalties outlined in correspondence with operator(s)	Yes •	No 🔾	Needs Improvement
Yes CY All	or Notes: It, reviewed office spreadsheet and found eight NOPV and twenty-eight warning letters were 2016. Randomly selected NOPV and Warning letters and reviewed content and information letters contained civil penalty amounts or action the operator could take to correct the violated by the violation(s).	pertainir	ng to the	violations.
3	Did the state issue compliance actions for all probable violations discovered? Yes = 2 No = 0 Needs Improvement = 1	2		2
	or Notes: t, twenty-eight compliance actions were taken in CY2016 against operators for non-compliant	nce with	the regul	ations.
4	Did compliance actions give reasonable due process to all parties? Including "show cause" hearing if necessary. Yes = 2 No = 0	2		2
Evaluate	or Notes:			
Yes	, compliance action was provided in the letters.			
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
Evaluat	or Notes:			

Yes, Program Manager is familiar with imposing civil penalties, In CY2016 two civil penalties were assessed against Baltimore Gas & Electric in the amount of \$25,000, one penalty against Glen Manor Apts. for \$500 and one penalty against

Deep Creek Mountain Utilities for \$500. The penalty amount for Glen Manor Apts. was paid on 3/31/17.



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

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Yes, the civil penalties assessed and collected in CY2016 clearly demonstrates the agency's enforcement action.

General Comments:

Info Only = No Points

Info OnlyInfo Only

Evaluator Notes:

No loss of points occurred in this section of the review.

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
	or Notes: s, this is listed in MD PSC written procedures, Section VI. Investigation of Incidents, page 20).		
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
P. 1.	b. Acknowledgement of Federal/State Cooperation in case of incident/accident (Appendix E)	Yes •	No 🔾	Needs Improvement
Yes	or Notes: 9, Program Manager and Pipeline Safety Engineers are familiar with the MOU's between NTS ident that occurred in Silver Springs, MD in CY2016 clearly demonstrates the awareness of the federal agencies.			
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
	or Notes: s, this is listed in MD PSC written procedures, Section VI. Investigation of Incidents, page 22	,		
	, this is listed in 1415 1 50 written procedures, section 41. Investigation of incidents, page 22			
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 Improvement
	c. Recommendations to prevent recurrences when appropriate	Yes •	No 🔾	Needs Improvement
Yes	or Notes: a, a review of files found one incident that occurred on Washington Gas Light Company facil teet in Silver Springs, MD on 08/11/2016 was still under investigation by MD PSC and NTSE		ated at 8	
5	Did the state initiate compliance action for violations found during any incident/accident investigation? $Yes = 1 No = 0$	1		1
Evaluato	or Notes:			
The	incident is under investigation by NTSB and the results could affect compliance action by N	NTSB or	MD PS	C
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	1		1

Evaluator Notes:

investigate discrepancies) Chapter 6 Yes = 1 No = 0 Needs Improvement = .5

Yes, follow up information was provided to NTSB and PHMSA Eastern Region on the incident.

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:

Yes, information about the Silver Springs, MD incident will be presented at the NAPSR Eastern Region meeting.

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

Evaluator Notes:

No loss of points occurred in a review of this section.

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:

A review of inspection reports and files determined this item could not be documented that it was covered with the operator during the inspection audits. Therefore, a loss of two points occurred.

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:

Yes, this item and question is listed on the MD PSC construction activity form. The inspector is required to check and verify the locate request ticket number.

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.)

0

2

2

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

No, verification that this item was discussed at the damage prevention committee meetings via an agenda could not be confirmed. Therefore, improvement is needed and a loss of two points occurred.

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

Evaluator Notes:

Yes, MD PSC collects data and evaluate trends on the number of damages and presents the results to operators at the quarterly Gas Operator Advisory Committee meetings. This information was verified by reviewing the reports presented.

5 General Comments: Info Only = No Points

Info OnlyInfo Only

Evaluator Notes:

A loss of four points occurred in this section of the review.

Total points scored for this section: 4 Total possible points for this section: 8



Operator, Inspector, Location, Date and PHMSA Representative Info Only = No Points Info OnlyInfo Only

Name of Operator Inspected:

Baltimore Gas Electric & Washington Gas Company

Name of State Inspector(s) Observed:

Kobby Anyinam, AJ Jalyeola, R.K. Amroliwala, Negussie Tesfaye & John Clementson

Location of Inspection:

Baltimore, MD

Date of Inspection:

July 10-12, 2017

Name of PHMSA Representative:

Glynn Blanton, PHMSA State Programs

Evaluator Notes:

Two construction inspections were performed on July 10, 2017 at the following locations.

Pasture Brook Road and New Cut Road. This was a gas main relocation project to allow room for a new sewer drainage line to be installed in the future. BGE contractor was Precision Pipeline Solutions who was performing the work. Paul Johnson was crew foreman. Kobby Anyinam reviewed plans, OQ records, Miss Utility locate ticket, and calibration of CGI equipment. Material installed was Driscope 8", 8100, date of pipe was 14 February 2017. No issues or violations found.

The second construction site was a renewed service line being installed at Waveland Road. Contractor was T&D Services East. The 3/4 service line was Driscope 8100 and date of pipe was 01-31-17. Miss Utility located ticket was checked and verified, OQ records reviewed. No violations or issues with construction work or personnel.

On July 11th observed two construction projects being performed by Washington Gas Company personnel. Matt Stallard, Washington Gas Company Compliance Auditor, was at the construction site to oversee the projects. A new 3/4-inch service line was installed at 6746 McCormick Drive in the Marshall Grove Subdivision. Verification of Miss Utility locate ticket, operator qualification, construction plans and material being installed was checked by AJ Jaiyeola. Test pressure was 90 psig and material was dated February 3, 2017. The second project was a new two inch main being installed at Whittle Court and Curtin Road by Washington Gas Company construction crew in the Ryan Homes subdivision lot 47. All records pertaining to operator qualifications were inspected. Miss Utility locate ticket was found current and PE pipe material being installed was dated November 11, 2016. No violations were found.

On July 12th observed installation of an 8-inch main line relocation project along Hwy 97 & 28 in Norbeck, MD. Working was being performed by Washington Gas Company personnel. John Augustus, Project Supervisor and Jeff Sirk, General Foreman provided information and details of the project. MD PSC Inspectors, R.K. Amroliwala and Negussie Tesfaye conducted the construction inspection. Observed each inspector checking Washington Gas Company's written procedures, operator qualification records, Miss Utility locate ticket, fusion procedures and depth of pipe installation. No violations were found. Inspectors were using the EN34 form and all information on the form was completed during the inspection.

2	Was the operator or operator's representative notified and/or given the opportunity to be	1	
	present during inspection?		

Yes = 1 No = 0

Evaluator Notes:

Yes, Baltimore Gas Electric and Washington Gas Company were notified prior to the inspection by John Clementson or one of the MD PSC inspectors.

Did the inspector use an appropriate inspection form/checklist and was the form/checklist 2 used as a guide for the inspection? (New regulations shall be incorporated)

Yes = 2 No = 0 Needs Improvement = 1

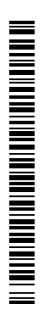
Evaluator Notes

Yes, each inspector was observed using the correct form, EN 34, for the inspection being performed.

4 Did the inspector thoroughly document results of the inspection?

2

	Yes = 2 N	$I_0 = 0$ Needs Improvement = 1		
Evaluato	r Notes:			
Yes.	. Observed	each inspector thoroughly documenting the results of their review of the operator	s records	on operator
qual	ification, l	ocation tickets & company written procedures.		
5	Did the	inspector check to see if the operator had necessary equipment during inspection	1	1
3		inspector check to see if the operator had necessary equipment during hispection act tasks viewed? (Maps,pyrometer,soap spray,CGI,etc.)	1	1
	Yes = 1 N			
Evaluato				
Yes	each insp	ector checked the type of work being performed and reviewed the equipment used	at the cor	struction site
	, cuch map	the state of the s		
6	evaluation	inspector adequately review the following during the field portion of the state on? (check all that apply on list) lo = 0 Needs Improvement = 1	2	2
	a.	Procedures	\boxtimes	
	b.	Records	\boxtimes	
		Field Activities		
	C.			
г 1 .	d.	Other (please comment)	\Box	
Evaluato		equipment and company procedures were review and sheeterd. Additionally 201-1	[]4;];4,, 1,, .	oto tialesta en d
		equipment and company procedures were review and checked. Additionally, Miss		
	King of fac	illities were reviewed. Noted all inspectors were very thorough in their review of e	acii oi tiie	se items.
_				
7		inspector have adequate knowledge of the pipeline safety program and	2	2
		ons? (Evaluator will document reasons if unacceptable)		
E14.		$I_0 = 0$ Needs Improvement = 1		
Evaluato		ectors demonstrated an adequate knowledge and experience in pipeline safety regu	lations A	Il increators
		Anyinam and Negussie Tesfaye have completed all Gas Inspector Training. Kobb		
		eir training at the end of 2017.	y and Neg	ussie are schedule
	ompiete in	en training at the end of 2017.		
8	interviev	inspector conduct an exit interview? (If inspection is not totally complete the w should be based on areas covered during time of field evaluation)	1	1
.	Yes = 1 N	$I_0 = 0$		
Evaluato		(1	
		terview was performed by each inspector with the crew foreman at the end of the	lay or pric	or to leaving the
site.				
9	-	the exit interview, did the inspector identify probable violations found during the cons? (if applicable)	1	1
Evaluato				
		were noted or found.		
10	descripti with Oth	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 Onlyl	nfo Only
	Other.	N. D. L.		
	-	= 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	1 1	



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	\boxtimes
q.	MAOP	\boxtimes
r.	Moving Pipe	
S.	New Construction	\boxtimes
t.	Navigable Waterway Crossings	
u.	Odorization	
v.	Overpressure Safety Devices	
W.	Plastic Pipe Installation	\boxtimes
Χ.	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	\boxtimes
H.	Compliance Follow-up	
I.	Atmospheric Corrosion	
J.	Other	
	struction inspections were conducted by MD PSC Engineers. They asked a lot of qu ction project, material being installed, and operator qualification documentation.	estions
	m · t · t ·	1.0

on the

Evaluator

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

from the operator's



PAKT	H - Interstate Agent State (If Applicable)	Points(MAX)	Score
1	Did the state use the current federal inspection form(s)? Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluator N/A	•		
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
Evaluator N/A			
3	Did the state submit documentation of the inspections within 60 days as stated in its la Interstate Agent Agreement form? Yes = 1 No = 0 Needs Improvement = .5	atest 1	NA
Evaluator N/A	Notes:		
4	Were probable violations identified by state referred to PHMSA for compliance? (NC 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
Evaluator N/A			
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
Evaluator N/A			
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
Evaluator N/A			
7	Did the state initially submit documentation to support compliance action by PHMSA probable violations? Yes = 1 No = 0 Needs Improvement = .5	on 1	NA
Evaluator N/A			

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

Info OnlyInfo Only

8

Evaluator Notes: N/A

General Comments: Info Only = No Points

PART	I - 60106 Agreement State (If Applicable)	Points(MAX)	Score
1	Did the state use the current federal inspection form(s)? Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluator N/A	1		
2	Are results documented demonstrating inspection units were reviewed in accordance state inspection plan? Yes = 1 No = 0 Needs Improvement = .5	with 1	NA
Evaluator N/A			
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
Evaluator			
N/A			
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
Evaluator			
N/A			
5	Did the state give written notice to PHMSA within 60 days of all probable violations found?	1	NA
Evaluator N/A	Yes = 1 No = 0 Needs Improvement = .5 Notes:		
6	Did the state initially submit adequate documentation to support compliance action b PHMSA on probable violations? Yes = 1 No = 0 Needs Improvement = .5	y 1	NA



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

Info OnlyInfo Only

Evaluator Notes: N/A

Evaluator Notes: N/A

General Comments: Info Only = No Points