

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

2015 Gas State Program Evaluation

for

KENTUCKY 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
- -- 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: Kentucky Rating:

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

Date of Visit: 08/29/2016 - 09/02/2016

Agency Representative: Jason Hurt, Manager, Gas Pipeline Safety Branch

James D. Rice, Assistant Director of Engineering

Bill Aitken, Utility Regulatory & Safety Investigator IV Melissa Holbrook, Utility Regulator & Safety Inspector I

PHMSA Representative: Glynn Blanton, USDOT/State Programs Commission Chairman to whom follow up letter is to be sent:

Name/Title: Michael J. Schmitt, Chairman

Agency: Kentucky Public Service Commission

Address: 211 Sower Boulevard

City/State/Zip: Frankfort, Kentucky 40602-0615

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 <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 | 10 |
| C | Program Performance | 47 | 47 |
| D | Compliance Activities | 15 | 15 |
| Е | Incident Investigations | 11 | 10.5 |
| F | Damage Prevention | 8 | 8 |
| G | Field Inspections | 10 | 10 |
| Н | Interstate Agent State (If Applicable) | 0 | 0 |
| I | 60106 Agreement State (If Applicable) | 0 | 0 |
| TOTAI | .S | 114 | 110.5 |
| State R | ating | | 96.9 |

PART A - Progress Report and Program Documentation Review

Points(MAX) Score

1 1 Accuracy of Jurisdictional Authority and Operator/Inspection Units Data - Progress 1 Report Attachment 1 Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

A review of Attachment 1 found the information was correctly entered with the jurisdictional authority over natural gas facilities. All inspection unit data was checked and matched Attachment 3. No issues.

1 2 1 Review of Inspection Days for accuracy - Progress Report Attachment 2 Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

A review of Attachment 2 found information was correctly entered on the number of inspection activities per the type of inspections performed. It was noted forty-six drug and alcohol inspections were performed and inspections listed in the Notes

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:

Reviewed Attachment 3, List of Operators, to Kentucky Public Service Commission database and found the inspection units were the same.

4 Were all federally reportable incident reports listed and information correct? - Progress Report Attachment 4

Yes = 1 No = 0 Needs Improvement = .5

Yes, one incident was reported in CY2015 by Atmos Energy on a intrastate transmission line on October 16, 2015. Information about the incident and the caused due to a third party was recorded on the Incident Report form.

5 1 1 Accuracy verification of Compliance Activities - Progress Report Attachment 5 Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

A review of the KY PSC database information compared to Attachment 5, Stats on Compliance Actions, found number of carryovers and compliance action taken were correct. No issues with this document.

Were pipeline program files well-organized and accessible? - Progress Report 2 2 6 Attachment 6 Yes = 2 No = 0 Needs Improvement = 1

Yes, all program files, office records and database were well-organized and available.

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

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

A review of training records in SABA found all inspectors have completed the required seven courses for Gas Inspector. Three inspectors have completed the Root Cause course and Program Manager is scheduled to attend the last of seven

courses to meet the Gas Inspector qualification in October, 2016.

Attachment 8

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

8

Yes = 1 Evaluator Notes:

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

A review of Attachment 10 found information pertaining to the nine elements; planned and past performance was addressed correctly.

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

1

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



Evaluator Notes:

A review of KY PSC Gas Branch Procedure Manual, under Inspection Format, Section B on page 8 listed standard inspection activities. However, items pertaining to pre-inspection and post-inspection activities are weak and need to be enhanced. Therefore, a loss of one point occurred. Please see examples provided in Guidelines for States Participating in the Pipeline Safety, Appendix S.

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.

0.5

1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

A review of KY PSC Gas Branch Procedure Manual, under Inspection Format, Sections F & T contains IMP and DIMP forms used by the inspectors. However, the activities are weak and improvement is needed. Therefore, a half point deduction occurred. See example provided in Guidelines for States Participating in the Pipeline Safety, Appendix S.

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. 0.5

1

1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

A review of KY PSC Gas Branch Procedure Manual found OQ inspection listed but the inspection activities are weak and improvement is needed. Therefore, a half point deduction occurred. See example provided in Guidelines for States Participating in the Pipeline Safety, Appendix S.

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, postinspection activities. 0.5

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

A review of KY PSC Gas Branch Procedure Manual found this listed but activities pertaining to pre & post activities were not provided. Activities are weak and improvement is needed. Therefore, a half point deduction occurred. See examples provided in Guidelines for States Participating in the Pipeline Safety, Appendix S.

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

1

1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Yes, this is listed under KY PSC Gas Branch Procedure Manual Section IX. KY PSC conducts onsite training based on request by the operator.

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.

0.5

1

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Yes, this item is listed KY PSC Gas Branch Procedure Manual but activities pertaining to pre & post activities were not

provided. Therefore, a half point deduction occurred. See examples provided in Guidelines for States Participating in the Pipeline Safety, Appendix S.

| 7 | unit | es inspection plan address inspection priorities of each operator, and if necessary each t , based on the following elements? = $6 \text{ No} = 0 \text{ Needs Improvement} = 1-5$ | 6 | | 6 |
|----------|---------|--|---------|-----------|----------------------|
| | a. | Length of time since last inspection (Within five year interval) | Yes • | No 🔘 | Needs Improvement |
| | b. | Operating history of operator/unit and/or location (includes leakage, incident and pliance activities) | Yes • | No 🔾 | Needs Improvement |
| | c. | Type of activity being undertaken by operators (i.e. construction) | Yes 💿 | No 🔾 | Needs Improvement |
| | | Locations of operators inspection units being inspected - (HCA's, Geographic s, Population Density, etc) | Yes • | No 🔾 | Needs Improvement |
| | | Process to identify high-risk inspection units that includes all threats - (Excavation lage, Corrosion, Natural Forces, Outside Forces, Material and Welds, Equipment, rators and any Other Factors) | Yes • | No 🔘 | Needs Improvement |
| | f. | Are inspection units broken down appropriately? | Yes • | No 🔘 | Needs Improvement |
| | , these | es: Exitems are listed in KY PSC Gas Branch Procedure Manual on page 6, Section II. DEVION SCHEDULE. All inspection units are broken down correctly. | VELOPN | MENT O | F |
| 8 | Info | neral Comments: Only = No Points | Info On | lyInfo Or | nly |
| Evaluato | | | | | |
| A lo | ss of j | points occurred in this section on questions B.1, B.2, B.3, B.4 & B.6. | | | |

Total points scored for this section: 10 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): 557.50 | | | |
| | B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7): 220 X 4.50 = 990.00 | | | |
| | Ratio: A / B 557.50 / 990.00 = 0.56 | | | |
| | If Ratio >= 0.38 Then Points = 5, If Ratio < 0.38 Then Points = 0 Points = 5 | | | |
| A. To B. To | Notes: otal Inspection Person Days (Attachment 2) = 557.5 otal Inspection Person Days Charged to the program ($220*$ Number of Inspection person ye rmula: - Ratio = $A/B = 557.5/990 = 0.56$ olle: - (If Ratio >=.38 then points = 5 else Points = 0 | ars (Atta | chment 7 | 7) = 990 |
| Th | us Points = 5 | | | |
| 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 |
| Yes, conti | Notes: KPSC has three inspectors who have completed mandatory training for Gas Integrity Mananues to be the lead on DIMP/IMP. The Pipeline Safety Manager and Assistant Director of at one course PL3256 course. No issues. | - | | • |
| 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 |
| Yes, He ha | Notes: Program Manager has successfully completed all but one course PL3256. He is scheduled as demonstrated excellent knowledge about the pipeline safety regulations in the short 3 yearnager. | | | |
| 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 | Nz | A |
| | Notes: | | | |
| no re | esponse was required in the Chairman's letter dated June 9, 2015. | | | |
| 5 | Did State hold PHMSA TQ Seminar in Past 3 Years? Chapter 8.5 | 2 | | 2 |

Evaluator Notes:

Yes = 2 No = 0

| | s, the last seminar was held in May, 2013 at the Marriott Griffin Gate-Lexington, KY. The I be in Bowling Green, KY on September 20-21, 2016 | next schedul | ed TQ Seminar |
|------------|---|---------------|-----------------|
| 6 | 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 |
| Yes | or Notes: s, a review of inspection reports per, files and data base indicated all inspection units and operquired three year period as listed in the procedure manual. | erators are i | nspected within |
| 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 Yes = 2 No = 0 Needs Improvement = 1 | 2 | 2 |
| Yes sys | or Notes: s a review of files found they continue to utilize the federal inspection forms for all operator tems. They have a separate form they use which was developed from the federal distribution minating portions that do not apply to Master Meter pipeline facilities. | | |
| 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 = $1 \text{ No} = 0$ | 1 | 1 |
| Yes Lou | or Notes: s, this is listed in the federal standard inspection document. Progress has been made in the lausville Gas & Electric has 38.5 miles of cast iron, Columbia Gas 14.6 miles of cast iron and n. Total miles of cast iron in the State of Kentucky are 56.1 miles. | | |
| 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). (NTSR). Chapter 5.1 | g 1 | 1 |

Appendix G-18 for guidance) (N18B) Chapter 5.1 Yes = 1 No = 0

Evaluator Notes:

Yes, this is reviewed and checked annually by KYPSC. Additionally, this is listed in the supplemental questions section of the federal standard inspection document they use.

10 1 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

Evaluator Notes:

Yes, this is reviewed and listed in the supplemental questions of the federal standard inspection document they use.

11 Did the state review operator records of previous accidents and failures including 1 1 reported third party damage and leak response to ensure appropriate operator response as required by 192.617? Chapter 5.1 Yes = 1 No = 0**Evaluator Notes:**

Yes.

12 Has the state reviewed Operator Annual reports, along with Incident/Accident reports, for 2 2 accuracy and analyzed data for trends and operator issues? Yes = 2 No = 0 Needs Improvement = 1



1

| Note ney n rai |
|----------------------|
| Did |
| time |
| Cha |
| Yes |
| Note |
| rev |
| plo |
| |

review and conduct a trend analysis of the information contained in the operator's annual reports. This review is nk risking their inspection visits. No issues.

state input all applicable OQ, DIMP/IMP inspection results into federal database in a ely manner? This includes replies to Operator notifications into IMDB database. apter 5.1

= 2 No = 0 Needs Improvement = 1

riew of OQ & IMP federal database found inspections were correctly recorded. Fifteen OQ inspection report results aded. No issues.

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

2

Evaluator Notes:

Yes, this item is on the supplemental inspection form they use.

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

2

2

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

Yes, this continues to be checked and reviewed during the standard inspection.

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

2

2

2

2

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

Yes, this is reviewed during the standard inspection.

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

Evaluator Notes:

Yes, this is checked and reviewed during the standard inspection.

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

Yes, all DIMP inspections have been completed and updates about the operator's plans are reviewed during the inspection visit.

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

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| 21 | Did state execute appropriate follow-up actions to Safety Related Condition (SRC) | 1 | 1 | |
|---|--|---------|-------------|-----------|
| | Reports? Chapter 6.3 Yes = 1 No = 0 Needs Improvement = .5 | | | |
| Evaluato | or Notes: | | | |
| sche | two safety related condition reports were filed by Louisville Gas & Electric Company in Coduled a transmission inspection on the two locations and continues to monitor and advise Pector on action taken by the operator. | | | |
| 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 | | | | |
| onsi | , this item is in KPSC supplemental inspection questions and discussed with operators at the te training meetings. KY PSC continues to encourage operators to share incident failure dat tic Pipe Data Committee. | | - | |
| 23 | Did the state participate in/respond to surveys or information requests from NAPSR or PHMSA? Yes = 1 No = 0 Needs Improvement = .5 | 1 | 1 | |
| | | | | |
| Evaluato | | | | |
| Yes | | nded to | his request | about the |
| Yes | or Notes: , contacted Robert R. Clarillos, NAPSR Administrative Manager, and found KY PSC respo IP program on June 22, 2015. 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. | 1 | his request | |
| Yes DIM | or Notes: , contacted Robert R. Clarillos, NAPSR Administrative Manager, and found KY PSC respo IP program on June 22, 2015. If the State has issued any waivers/special permits for any operator, has the state verified conditions of those waivers/special permits are being met? This should include having the operator amend procedures where appropriate. No = 0 Needs Improvement = .5 Yes = 1 | 1 | | |
| Yes DIM 24 Evaluate | or Notes: , contacted Robert R. Clarillos, NAPSR Administrative Manager, and found KY PSC respo IP program on June 22, 2015. If the State has issued any waivers/special permits for any operator, has the state verified conditions of those waivers/special permits are being met? This should include having the operator amend procedures where appropriate. No = 0 Needs Improvement = .5 Yes = 1 | 1 | | |
| Yes DIM 24 Evaluate | or Notes: , contacted Robert R. Clarillos, NAPSR Administrative Manager, and found KY PSC respo MP program on June 22, 2015. If the State has issued any waivers/special permits for any operator, has the state verified conditions of those waivers/special permits are being met? This should include having the operator amend procedures where appropriate. No = 0 Needs Improvement = .5 Yes = 1 or Notes: waivers or special permits have been issued. Did the state attend the National NAPSR Board of Directors Meeting in CY being evaluated? | 1 | | |
| Yes DIM 24 Evaluate Nov | or Notes: c, contacted Robert R. Clarillos, NAPSR Administrative Manager, and found KY PSC response program on June 22, 2015. If the State has issued any waivers/special permits for any operator, has the state verified conditions of those waivers/special permits are being met? This should include having the operator amend procedures where appropriate. No = 0 Needs Improvement = .5 Yes = 1 or Notes: waivers or special permits have been issued. Did the state attend the National NAPSR Board of Directors Meeting in CY being evaluated? No = 0 Needs Improvement = .5 Yes = 1 | 1 | | |
| Yes DIM 24 Evaluate Nov 25 | or Notes: c, contacted Robert R. Clarillos, NAPSR Administrative Manager, and found KY PSC response program on June 22, 2015. If the State has issued any waivers/special permits for any operator, has the state verified conditions of those waivers/special permits are being met? This should include having the operator amend procedures where appropriate. No = 0 Needs Improvement = .5 Yes = 1 or Notes: waivers or special permits have been issued. Did the state attend the National NAPSR Board of Directors Meeting in CY being evaluated? No = 0 Needs Improvement = .5 Yes = 1 | 1 | | |
| Yes DIM 24 Evaluate Nov 25 | or Notes: c, contacted Robert R. Clarillos, NAPSR Administrative Manager, and found KY PSC response program on June 22, 2015. If the State has issued any waivers/special permits for any operator, has the state verified conditions of those waivers/special permits are being met? This should include having the operator amend procedures where appropriate. No = 0 Needs Improvement = .5 Yes = 1 or Notes: waivers or special permits have been issued. Did the state attend the National NAPSR Board of Directors Meeting in CY being evaluated? No = 0 Needs Improvement = .5 Yes = 1 or Notes: | 1 e | | |
| Yes DIM 24 Evaluate Nov 25 Evaluate Yes | or Notes: c, contacted Robert R. Clarillos, NAPSR Administrative Manager, and found KY PSC responder program on June 22, 2015. If the State has issued any waivers/special permits for any operator, has the state verified conditions of those waivers/special permits are being met? This should include having the operator amend procedures where appropriate. No = 0 Needs Improvement = .5 Yes = 1 or Notes: waivers or special permits have been issued. Did the state attend the National NAPSR Board of Directors Meeting in CY being evaluated? No = 0 Needs Improvement = .5 Yes = 1 or Notes: Jason Hurt and James Rice attended the 2015 NAPSR Board of Director in Tempe, AZ. Discussion on State Program Performance Metrics found on Stakeholder Communication site - http://primis.phmsa.dot.gov/comm/states.htm | 1 e | 1 2 | |

Yes, all PAPEI inspections were completed in CY2014. Inspection reports were mailed to PHMSA to be entered into the

1

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

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

Evaluator Notes:

Evaluator Notes:

20

database. No issues.

public).

Yes = 1 No = 0 Needs Improvement = .5

Yes, a review of KY PSC state program performance metric on PHMSA Stakeholder Communication site found a high level of leaks repaired per 1,000 miles. This information was reviewed and discussed with the Program Manager. Action may be taken in the future to review these high level of leaks during the normal pipeline safety inspection.

27 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: 47 Total possible points for this section: 47



| 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 |
| Evaluator | b. Procedures to routinely review progress of compliance actions to prevent delays or breakdowns | Yes • | No 🔾 | Needs Improvement |
| a & l when viola been infor inspe | b. Yes, a review of KY PSC Procedure Manual on page 9 found correspondence is sent to the a noncompliance is found. Additionally, KY PSC provides the operators with 30 days to rections. The procedures states all follow up inspections are scheduled after written notification sent to an operator. Each inspection report describes the status of deficiencies found in preventation is entered into the inspection database which can be used to report the status of protection reports found no issues with this requirement. It was suggested the civil penalty amount on-compliance to operators in CY2016. | espond to n of non vious ins pable vio | o alleged -complia pections. lations. A | probable nce has Deficiency A review of |
| 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 |
| exan Owin enter taker | a review of KY PSC spreadsheets for CY2015 found compliance letters were sent to companie, Housing Authority of Versailles, June 2, 2015, Dudley Court Apartments, August 20, angsville June 2, 2015. All inspectors verify this information at the start of their inspections are during an inspection visit. A review indicated documentation of all probable violations on by the operator and closure of the inspection reports were complete. All violations opened inciency Spreadsheet" and reviewed monthly. Yes, civil penalties are provided in correspond | 2015 & I and chang vere note or close | Housing ges are reed, correct dare ma | Authority of ecorded and ctive actions |
| 3 | Did the state issue compliance actions for all probable violations discovered? Yes = 2 No = 0 Needs Improvement = 1 | 2 | ; | 2 |
| Yes, opera | a review of "Deficiency Spreadsheet" found probable violations were followed up with writer | tten com | municati | ion to the |
| 4 | Did compliance actions give reasonable due process to all parties? Including "show cause" hearing if necessary. $Yes = 2 No = 0$ | 2 | <u>:</u> | 2 |
| Evaluator | | | | |
| Yes, | a review found probable violations were followed up with written communication to the op | erator. | | |
| 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) Ves = 2 No = 0 Needs Improvement = 1 | 2 | ; | 2 |

Yes, Program Manager is familiar with the process of imposing civil penalties and has demonstrated this in the Duke Energy

Evaluator Notes:

Company case #2014-00263.

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

Yes = 1 No = 0 Needs Improvement = .5

1

Evaluator Notes:

Yes, Duke Energy, Case Number 2014-00263 is a clear demonstration of their enforcement authority.

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 |
|----------------------|---|----------------------|---------------------|----------------------------|
| Evaluat | tor Notes: | | | |
| Ye | es, this item is located in KY PSC Procedures Manual under Incident Investigation page 11. | | | |
| 2 | Does state have adequate mechanism to receive and respond to operator reports of incidents, including after-hours reports? And did state keep adequate records of Incident/Accident notifications received? Chapter 6 Yes = 2 No = 0 Needs Improvement = 1 | 2 | | 2 |
| | a. Acknowledgement of MOU between NTSB and PHMSA (Appendix D) | Yes • | No 🔘 | Needs |
| | b. Acknowledgement of Federal/State Cooperation in case of incident/accident | | | Improvement Needs |
| | (Appendix E) | Yes • | No 🔾 | Improvement |
| Ye pro | tor Notes: es, this is accomplished by group email address to pipeline safety personnel and Commissione ogram manager found a good understanding of the MOU's between NTSB/PHMSA. Addition eated in their procedures manual. | | | |
| 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 | 0. | 5 |
| Evaluat | tor Notes: | | | |
| Shooth oth res | o, a review of KY PSC investigative files pertaining to the incident that occurred October 16, 2 elbyville, KY found the agency received the call and discussed the incident but did not docum ner means a decision to not go to the site to investigate. The incident was due to third party datasetted. However, action should be taken to record a decision to not go. Improvement is needed curred. | nent in a mage an | memo to d no dea | o file or th/fatalities |
| | Curren. | | | |
| 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 |
| | b. Contributing Factors | Yes ① | No () | Improvement Needs |
| | - | _ | | Improvement Needs |
| | c. Recommendations to prevent recurrences when appropriate | Yes 💿 | No 🔾 | Improvement |
| An ope | tor Notes: a investigation was conducted after receiving an incident report from the operator. Based on the erator and staff they determined not to continue the investigation due to no injuries or loss of ablished a follow-up inspection to review this transmission line in the next inspection visit scheme. | property | . KPSC ł | nas |
| 5 | Did the state initiate compliance action for violations found during any incident/accident investigation? Yes = $1 \text{ No} = 0$ | 1 | | 1 |
| | tor Notes: | | | |
| No | compliance action or violations were found during a review of the incident. | | | |
| 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 | 1 | | 1 |

PHMSA? (validate report data from operators concerning incidents/accidents and

Evaluator Notes:

investigate discrepancies) Chapter 6 Yes = 1 No = 0 Needs Improvement = .5 Yes, Jason Hurt was in contact with Chris Taylor, PHMSA Southern Region, about the incident and noted the operator entered "Interstate" instead of "Intrastate" Transmission pipeline in the incident report. The operator corrected the report and re-submitted the final report to PHMSA.

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 incidents/accidents was presented at the NAPSR Southern Region Meeting in Biloxi, MS in April, 2016.

8 General Comments: Info OnlyInfo Only

Info Only = No Points

Evaluator Notes:

A loss of half a point occurred in this section on question E.3

Total points scored for this section: 10.5 Total possible points for this section: 11



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

Evaluator Notes:

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

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 | Info OnlyI | nfo Only |
|---------|---|-------------|--------------------|
| | Name of Operator Inspected: Delta Natural Gas | | |
| | Name of State Inspector(s) Observed: Melissa Holbrook, Utility Regulator & Safety Inspector I | | |
| | Location of Inspection: Nicholasville, KY. | | |
| | Date of Inspection: August 31 - September 1, 2016 | | |
| | Name of PHMSA Representative: Glynn Blanton, PHMSA State Programs | | |
| | or Notes: | | |
| rev | portion of the standard inspection was conducted in Nicholasville, KY on August 31. This portiew of regulator stations, emergency valves and pipe to soil potential readings. On September standard inspection pertaining to OQ, maintenance records and public awareness was reviewed ice. | 1st the rea | maining section of |
| 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 |
| Evaluat | or Notes: | | |
| Yes | s, Delta Natural Gas Company representative was conducted on June 27, 2016 via email from | Melissa H | Iolbrook. |
| 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 |
| Yes | or Notes: s, Melissa Holbrook used the federal standard inspection form and was very thorough in docuvided by the operator. | menting th | ne answers |
| 4 | Did the inspector thoroughly document results of the inspection? Yes = 2 No = 0 Needs Improvement = 1 | 2 | 2 |
| | or Notes: | | |
| | s, it was observed Ms. Holbrook was asking questions and documenting answers from the ope h item pertaining to the inspection. She conducted the inspection in a very professional manne | | resentatives on |
| 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 |
| Yes | or Notes: s, Ms. Holbrook checked the operator's pipe to soil potential meter and pressure gauges prior tocking relief valve settings. | o recordir | ng readings and |
| 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 | | |
| | d Other (please comment) | | |

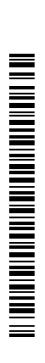
Evaluator Notes:

| | ection. | urai Gas Company's records, procedures and equipment was checked and reviews | a during d | |
|----------|-----------------------|--|-------------|---------------|
| 7 | regulation | inspector have adequate knowledge of the pipeline safety program and ons? (Evaluator will document reasons if unacceptable) to = 0 Needs Improvement = 1 | 2 | 2 |
| Evaluato | or Notes: | | | |
| | | rook has completed all gas inspector courses at TQ and has eleven years of gas pi | peline safe | ty inspection |
| expe | erience. | | | |
| 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) | 1 | NA |
| Evaluato | or Notes: | | | |
| NA. | The exit is | nterview was due to be conducted after this evaluation period. Therefore, this iten | n was not c | bserved. |
| 9 | | the exit interview, did the inspector identify probable violations found during the cons? (if applicable) $a_0 = 0$ | 1 | NA |
| Evaluato | | | | |
| NA | | | | |
| 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 Only | nfo Only |
| | Other. | = 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 | \boxtimes | |
| | h. | Cast-iron Replacement | | |
| | i. | Damage Prevention | \boxtimes | |
| | j. | Deactivation | | |
| | k. | Emergency Procedures | \boxtimes | |
| | 1. | Inspection of Right-of-Way | | |
| | m. | Line Markers | | |
| | n. | Liaison with Public Officials | \boxtimes | |
| | 0. | Leak Surveys | \boxtimes | |
| | p. | MOP | | |
| | q. | MAOP | | |
| | r. | Moving Pipe | | |
| | S. | New Construction | | |
| | t. | Navigable Waterway Crossings | | |
| | u. | Odorization | | |
| | V. | Overpressure Safety Devices | \boxtimes | |
| | W. | Plastic Pipe Installation | | |
| | Х. | Public Education | | |
| | y. | Purging | | |
| | Z. | Prevention of Accidental Ignition | | |



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

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



| PART | H - Interstate Agent State (If Applicable) | Points(MAX) | Score |
|-----------------------|---|-------------|-------|
| 1 Evaluator | Did the state use the current federal inspection form(s)? Yes = 1 No = 0 Needs Improvement = .5 Notes: | 1 | NA |
| NA | | | |
| 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 NA | Notes: | | |
| 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 NA | Notes: | | |
| 4 | Were probable violations identified by state referred to PHMSA for compliance? (NO PHMSA representative has discretion to delete question or adjust points, as appropria based on number of probable violations; any change requires written explanation.) Yes = 1 No = 0 Needs Improvement = .5 | | NA |
| Evaluator NA | Notes: | | |
| 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 NA | | | |
| 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 NA | | | |
| 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 NA | | | |

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

Info OnlyInfo Only

8

Evaluator Notes: NA

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 |
| Evaluato | • | | |
| NA | | | |
| 2 | Are results documented demonstrating inspection units were reviewed in accordance state inspection plan? Yes = 1 No = 0 Needs Improvement = .5 | with 1 | NA |
| Evaluato | | | |
| NA | | | |
| 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 | | | |
| NA | | | |
| 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 NA | 1 | | |
| 5 | Did the state give written notice to PHMSA within 60 days of all probable violations found? | 1 | NA |
| Evaluato | Yes = 1 No = 0 Needs Improvement = .5 | | |
| NA | | | |
| 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 |
| Evaluato | • | | |



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

Info OnlyInfo Only

NA

7

Evaluator Notes: NA

General Comments: Info Only = No Points