



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

1200 New Jersey Avenue SE
Washington DC 20590

2024 Hazardous Liquid State Program Evaluation

for

VIRGINIA STATE CORPORATION COMMISSION

Document Legend

PART:

- O -- Representative, Dates and Title Information
- A -- Progress Report and Program Documentation Review
- B -- Program Inspection Procedures
- C -- State Qualifications
- D -- Program Performance
- E -- Field Inspections
- F -- Damage prevention and Annual report analysis



2024 Hazardous Liquid State Program Evaluation -- CY 2024
Hazardous Liquid

State Agency: Virginia
Agency Status:
Date of Visit: 04/07/2025 - 04/11/2025
Agency Representative: Mr. Scott Marshall, Division Deputy Director
 Ms. Lauren Govoni, Division Director
 Mr. James Fisher, Senior Utility Safety Engineer
 Mr. Stuart Rott, Principal Safety Specialist
 Mr. Gregory Connolly, Safety Specialist
 Mr. William Harrison, Attorney, Enforcement Division
 Mr. David Bishop, Utility Safety Engineer

Rating:
60105(a): Yes **60106(a):** Yes **Interstate Agent:** Yes

PHMSA Representative: Mr. Glynn Blanton, State Liaison PHMSA State Programs
Commission Chairman to whom follow up letter is to be sent:

Name/Title: Samuel Towell, Chairman
Agency: Virginia State Corporation Commission
Address: 1300 East Main Street
City/State/Zip: Richmond, Virginia 23219

INSTRUCTIONS:

Complete this evaluation in accordance with the Evaluator Guidance for conducting state pipeline safety program evaluations. The evaluation should generally reflect state program performance during CY 2024 (not the status of performance at the time of the evaluation). 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 than the maximum points, include a brief explanation in the appropriate notes/comments section. If a question is not applicable to a state, select NA. Please ensure all responses are COMPLETE and ACCURATE, and they OBJECTIVELY reflect the state's program performance for the question being evaluated. Increasing emphasis is being placed on how the state pipeline safety programs conduct and execute their pipeline safety responsibilities (their 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.

Scoring Summary

PARTS	Possible Points	Points Scored
A Progress Report and Program Documentation Review	0	0
B Program Inspection Procedures	15	15
C State Qualifications	10	10
D Program Performance	50	50
E Field Inspections	15	15
F Damage prevention and Annual report analysis	6	6
TOTALS	96	96
State Rating		100.0



PART A - Progress Report and Program Documentation Review

Points(MAX) Score

- 1 Were the following Progress Report Items accurate? (*items not scored on progress report) Info Only Info Only
Info Only = No Points
- a. Stats On Operators Data - Progress Report Attachment 1
 - b. State Inspection Activity Data - Progress Report Attachment 2
 - c. List of Operators Data - Progress Report Attachment 3*
 - d. Incidents/Accidents Data - Progress Report Attachment 4*
 - e. Stats of Compliance Actions Data - Progress Report Attachment 5*
 - f. List of Records Kept Data - Progress Report Attachment 6 *
 - g. Staff and TQ Training Data - Progress Report Attachment 7
 - h. Compliance with Federal Regulations Data - Progress Report Attachment 8
 - i. Performance and Damage Prevention Question Data - Progress Report Attachment 10*

Evaluator Notes:

All aspects of the Progress Report appear to be compliant.

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



PART B - Program Inspection Procedures

Points(MAX) Score

- 1** Do written procedures address pre-inspection, inspection and post inspection activities for each of the following inspection types: Chapter 5.1 5 5
Yes = 5 No = 0 Needs Improvement = 1-4
- a. Standard Inspections, which include Drug/Alcohol, CRM and Public Awareness Effectiveness Inspections
 - b. IMP Inspections
 - c. OQ Inspections
 - d. Damage Prevention Inspections
 - e. On-Site Operator Training
 - f. Construction Inspections (annual efforts)

Evaluator Notes:
Satisfactory.

- 2** Do written procedures address inspection priorities of each operator, and if necessary each unit, based on the following elements and time frames established in its procedures? Chapter 5.1 4 4
Yes = 4 No = 0 Needs Improvement = 1-3
- a. Length of time since last inspection
 - b. Operating history of operator/unit and/or location (includes leakage, incident and compliance activities)
 - c. Type of activity being undertaken by operators (i.e. construction)
 - d. Locations of operator's inspection units being inspected - (HCA's, Geographic area, Population Centers, etc.)
 - 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)
 - f. Are inspection units broken down appropriately?

Evaluator Notes:
All aspects of this question appear to be compliant.

- 3** (Compliance Procedures) Does the state have written procedures to identify steps to be taken from the discovery to resolution of a probable violation? Chapter 5.1 3 3
Yes = 3 No = 0 Needs Improvement = 1-2
- a. Procedures to notify an operator (company officer) when a noncompliance is identified
 - b. Procedures to routinely review progress of compliance actions to prevent delays or breakdowns
 - c. Procedures regarding closing outstanding probable violations

Evaluator Notes:
All aspects of this question appear to be compliant.

- 4** (Incident/Accident Investigations) Does the state have written procedures to address state actions in the event of an incident/accident? 3 3
Yes = 3 No = 0 Needs Improvement = 1-2
- a. Mechanism to receive, record, and respond to operator reports of incidents, including after-hours reports
 - b. If onsite investigation was not made, do procedures require on-call staff to obtain sufficient information to determine the facts to support the decision not to go on-site.

Evaluator Notes:
All aspects of this question appear to be compliant.

5 General Comments: Info Only Info Only

Info Only = No Points

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



PART C - State Qualifications

Points(MAX) Score

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- 1** Has each inspector and program manager fulfilled training requirements? (See Guidelines Appendix C for requirements) Chapter 4.3 5 5
Yes = 5 No = 0 Needs Improvement = 1-4
- a. Completion of Required OQ Training before conducting inspection as lead
 - b. Completion of Required IMP Training before conducting inspection as lead
 - c. Root Cause Training by at least one inspector/program manager
 - d. Note any outside training completed
 - e. Verify inspector has obtained minimum qualifications to lead any applicable standard inspection as the lead inspector (Reference State Guidelines Section 4.3.1)

Evaluator Notes:
All aspects of this question appear to be compliant.

- 2** Did state records and discussions with state pipeline safety program manager indicate adequate knowledge of PHMSA program and regulations? 5 5
Yes = 5 No = 0 Needs Improvement = 1-4

Evaluator Notes:
Mr. Marshal has been the program manager for 7 years. Has completed all TQ courses and qualified to perform natural gas and hazardous liquid safety program inspections.

- 3** General Comments: Info Only Info Only
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



PART D - Program Performance

Points(MAX) Score

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|----------|---|---|---|
| 1 | 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 <ol style="list-style-type: none">a. Standard (General Code Compliance)b. Public Awareness Effectiveness Reviewsc. Drug and Alcohold. Control Room Managemente. Construction (did state achieve 20% of total inspection person-days?)f. OQ (see Question 3 for additional requirements)g. IMP (see Question 4 for additional requirements) | 5 | 5 |
|----------|---|---|---|

Evaluator Notes:

All aspects of this question have been met and appear to be compliant with the requirements of this audit.

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| 2 | 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. Do inspection records indicate that adequate reviews of procedures, records and field activities, including notes and the appropriate level of inspection person-days for each inspection, were performed?
Yes = 10 No = 0 Needs Improvement = 1-9 <ol style="list-style-type: none">a. Standard (General Code Compliance)b. Public Awareness Effectiveness Reviewsc. Drug and Alcohold. Control Room Managemente. Constructionf. OQ (see Question 3 for additional requirements)g. IMP (see Question 4 for additional requirements) | 10 | 10 |
|----------|---|----|----|

Evaluator Notes:

All aspects of this question have been met and appear to be compliant.

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| 3 | Is state verifying monitoring (Protocol 9/Form15) of operators OQ programs? This should include verification of any plan updates and that persons performing covered tasks (including contractors) are properly qualified and requalified at intervals established in the operator's plan. 49 CFR Part 195 Subpart G
Yes = 2 No = 0 Needs Improvement = 1 | 2 | 2 |
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Evaluator Notes:

All aspects of this question have been met and appear to be compliant with the requirements of this audit.

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| 4 | Is state verifying operator's integrity management Programs (IMP and DIMP)? This should include a review of plans, along with monitoring progress. In addition, the review should take in to account program review and updates of operator's plan(s). 49 CFR Part 195 Subpart F & G
Yes = 2 No = 0 Needs Improvement = 1 <ol style="list-style-type: none">a. Are the implementation plans of the state's large/largest operators(s) being reviewed annually to ensure they are completing full cycle of the IMP process? | 2 | 2 |
|----------|---|---|---|

Evaluator Notes:

All aspects of this question have been met and appear to be compliant.

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| 5 | Did the state review the following (these items are NTSB recommendations to PHMSA that have been deemed acceptable response based on PHMSA reviewing these items during the evaluation process): Chapter 5.1
Yes = 2 No = 0 Needs Improvement = 1 | 2 | 2 |
|----------|--|---|---|



- a. Operator records of previous accidents and failures including reported third-party damage and leak response to ensure appropriate operator response as required by 195.402; and
- b. 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;

Evaluator Notes:

All aspects of this question have been met and appear to be compliant.

6	Did the State verify Operators took appropriate action regarding advisory bulletins issued since the last evaluation? (Advisory Bulletins Current Year) Yes = 1 No = 0 Needs Improvement = .5	1	1
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Evaluator Notes:

No safety related conditions were reported during CY2024.

7	(Compliance Activities) 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 = 10 No = 0 Needs Improvement = 1-9	10	10
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- a. Were compliance actions sent to company officer or manager/board member if municipal/government system?
- b. Were probable violations documented properly?
- c. Resolve probable violations
- d. Routinely review progress of probable violations
- e. Did state issue compliance actions for all probable violations discovered?
- f. Can state demonstrate fining authority for pipeline safety violations?
- g. Does Program Manager review, approve and monitor all compliance actions? (note: Program Manager or Senior Official should sign any NOPV or related enforcement action)
- h. Did state compliance actions give reasonable due process to all parties? Including "show cause" hearing, if necessary.
- i. Within 30 days, conduct a post-inspection briefing with the owner or operator outlining any concerns
- j. Within 90 days, to the extent practicable, provide the owner or operator with written preliminary findings of the inspection. (Incident investigations do not need to meet 30/90-day requirement)

Evaluator Notes:

Satisfactory. All aspects of this question appear to be compliant with PHMSA requirements.

8	(Accident Investigations) Were all federally reportable incidents investigated, thoroughly documented, with conclusions and recommendations? Yes = 10 No = 0 Needs Improvement = 1-9	10	10
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- a. Does state have adequate mechanism to receive and respond to operator reports of incidents, including after-hours reports?
- b. Did state keep adequate records of Incident/Accident notifications received?
- c. If onsite investigation was not made, did the state obtain sufficient information from the operator and/or by means to determine the facts to support the decision not to go on site?
- d. Were onsite observations documented?
- e. Were contributing factors documented?
- f. Were recommendations to prevent recurrences, where appropriate, documented?
- g. Did state initiate compliance action for any violations found during any incident/accident investigation?
- h. Did state assist Region Office or Accident Investigation Division (AID) by taking appropriate follow-up actions related to the operator incident reports to ensure accuracy and final report has been received by PHMSA?
- i. Does state share any lessons learned from incidents/accidents?



Evaluator Notes:
Satisfactory.

9 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 1 1
Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:
No response was required.

10 Did State conduct or participate in pipeline safety training session or seminar in Past 3 Years? Chapter 8.5 Info Only Info Only
Info Only = No Points

Evaluator Notes:
Satisfactory.

11 Has state confirmed transmission operators have submitted information into NPMS database along with changes made after original submission? Info Only Info Only
Info Only = No Points

Evaluator Notes:
Satisfactory.

12 Does the state have a mechanism for communicating with stakeholders - other than state pipeline safety seminar? (This should include making enforcement cases available to public). 1 1
Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:
Yes. All aspects of this question appear to be compliant.

13 Did state execute appropriate follow-up actions to Safety Related Condition (SRC) Reports? Chapter 6.7 1 1
Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:
No safety related condition reports were found during this evaluation period.

14 Was the State responsive to: 1 1
Yes = 1 No = 0 Needs Improvement = .5
a. Surveys or information requests from NAPSR or PHMSA; and
b. PHMSA Work Management system tasks?

Evaluator Notes:
Satisfactory

15 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 1
Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:
No State waiver/special permits were issued.

16 Were pipeline program files well-organized and accessible? Info Only Info Only
Info Only = No Points

Evaluator Notes:
Yes, files and electronic documents are well organized and accessible. No issues with the response to this question.

- 17 Discussion with State on accuracy of inspection day information submitted into State Inspection Day Calculation Tool (SICT). Has the state updated SICT data? 3 3
Yes = 3 No = 0 Needs Improvement = 1-2

Evaluator Notes:

Satisfactory. Program Manager has a good understanding of the SICT and making changes to future filings.

- 18 Discussion on State Program Performance Metrics found on Stakeholder Communication Info Only Info Only
site.\ <http://primis.phmsa.dot.gov/comm/states.htm?nocache=4805>
Info Only = No Points

Evaluator Notes:

Program Manager is aware of the site and has a good understanding of the issues.

- 19 Did the state encourage and promote operator implementation of Pipeline Safety Management Systems (PSMS), or API RP 1173? This holistic approach to improving pipeline safety includes the identification, prevention and remediation of safety hazards. Info Only Info Only
Info Only = No Points

- a. <https://pipelinesms.org/>
- b. Reference AGA recommendation to members May 20, 2019

Evaluator Notes:

Satisfactory

- 20 General Comments: Info Only Info Only
Info Only = No Points

Evaluator Notes:

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

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



PART E - Field Inspections

Points(MAX) Score

- 1 Operator, Inspector, Location, Date and PHMSA Representative (enter specifics into the Info Only Info Only comments box below) Info Only Info Only
Info Only = No Points
- a. What type of inspection(s) did the state inspector conduct during the field portion of the state evaluation? (i.e. Standard, Construction, IMP, etc)
 - b. When was the unit inspected last?
 - c. Was pipeline operator or representative present during inspection?
 - d. Effort should be made to observe newest state inspector with least experience

Evaluator Notes:

An inspection of Products Pipeline S.E. (PPL) occurred on a right of way off Andrew Chappel Road in Stafford, VA. The inspection involved observing the operator repair discovered anomalies stemming from a 2023 pig run. Jim Fisher, SCC, conducted the inspection and has all the requisite TQ courses and experience needed to conduct the inspection.

- 2 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) 2 2
Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

All aspects of this question appeared satisfactory.

- 3 Did the inspector adequately review the following during the inspection 10 10
Yes = 10 No = 0 Needs Improvement = 1-9
- a. Procedures (were the inspector's questions of the operator adequate to determine compliance?)
 - b. Records (did the inspector adequately review trends and ask in-depth questions?)
 - c. Field Activities/Facilities (did inspector ensure that procedures were being followed, including ensuring that properly calibrated equipment was used and OQ's were acceptable?)
 - d. Other (please comment)
 - e. Was the inspection of adequate length to properly perform the inspection?

Evaluator Notes:

All aspects of this question appeared satisfactory.

- 4 From your observation did the inspector have adequate knowledge of the pipeline safety program and regulations? (Evaluator will document reasons if unacceptable) 2 2
Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

All aspects of this question appeared satisfactory.

- 5 Did the inspector conduct an exit interview, including identifying probable violations? (If inspection is not totally completed the interview should be based on areas covered during time of field evaluation) 1 1
Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

All aspects of this question appeared satisfactory.

- 6 Was inspection performed in a safe, positive, and constructive manner ? Info Only Info Only
Info Only = No Points
- a. No unsafe acts should be performed during inspection by the state inspector
 - b. What did the inspector observe in the field? (Narrative description of field observations and how inspector performed)
 - c. Best Practices to Share with Other States - (Field - could be from operator visited or state inspector practices)

d. Other

Evaluator Notes:

All aspects of this question appeared satisfactory.

7 General Comments:

Info Only Info Only

Info Only = No Points

Evaluator Notes:

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



PART F - Damage prevention and Annual report analysis

Points(MAX) Score

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- | | | | |
|----------|--|---|---|
| 1 | 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 | 2 | 2 |
|----------|--|---|---|

Evaluator Notes:

Satisfactory. All aspects of this question appear to be compliant with PHMSA requirements. Excellent documentation is being maintained on operator's annual reports.

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|----------|--|---|---|
| 2 | Has the state verified that the operators analyze excavation damages for the purpose of determining root causes and minimizing the possibility of a recurrence? (192.617)
Has the state verified that the operators have appropriately identified excavators who have repeatedly violated one-call laws and damaged their facilities. Have the operators taken steps to mitigate that risks? (192.1007)
Yes = 2 No = 0 Needs Improvement = 1 | 2 | 2 |
|----------|--|---|---|

Evaluator Notes:

All aspects of this question appear to be compliant.

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|----------|--|-----------|-----------|
| 3 | Has the state reviewed the operator's annual report pertaining to Part D - Excavation Damage?
Info Only = No Points
a. Is the information complete and accurate with root cause numbers?
b. Has the state evaluated the causes for the damages listed under "One-Call Notification Practices Not Sufficient" (Part D.1.a.)?
c. Has the state evaluated the causes for the damages listed under "Locating Practices Not Sufficient" (Part D.1.b)? For each operator, does the state review the following?
d. Is the operator or its locating contractor(s) qualified and following written procedures for locating and marking facilities?
e. Is the operator appropriately requalifying locators to address performance deficiencies?
f. What is the number of damages resulting from mismarks?
g. What is the number of damages resulting from not locating within time requirements (no-shows)?
h. Is the operator appropriately addressing discovered mapping errors resulting in excavation damages?
i. Are mapping corrections timely and according to written procedures?
j. Has the state evaluated the causes for the damages listed under "Excavation Practices Not Sufficient" (Part D.1.c.)? | Info Only | Info Only |
|----------|--|-----------|-----------|

Evaluator Notes:

All aspects of this question appear to be compliant with PHMSA requirements. No issues.

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|----------|---|---|---|
| 4 | 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?
Yes = 2 No = 0 Needs Improvement = 1
a. What stakeholder group is causing the highest number of damages to the pipelines? Operator, contractor, locating company or public.
b. Has the state verified the operator is appropriately focusing damage prevention education and training to stakeholders causing the most damages?
c. Has the state evaluated which of the following best describes the reason for the excavation damages; i.e., operator or contractor not following written procedures, failure to maintain marks, failure to support exposed facilities, failure to use hand tools were required, failure to test-hole (pot hole), improper backfilling practices, failure to maintain clearance or insufficient excavation practices.
d. Has the state verified the operator is appropriately focusing damage prevention education and training to address the causes of excavation damages? | 2 | 2 |
|----------|---|---|---|

Evaluator Notes:

All aspects of this question appear to be compliant.



5 General Comments:

Info Only Info Only

Info Only = No Points

Evaluator Notes:

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

Total points scored for this section: 6
Total possible points for this section: 6

