



**COMPREHENSIVE
INSPECTION REPORT
FOR
NATURAL GAS AND LP
MASTER METER
SYSTEMS**

STATE: SOUTH CAROLINA

DATE OF INSPECTION:

DATE OF LAST INSPECTION:

INSPECTOR/S:

OPERATOR EVALUATED: (A-O) (P-Z)

TOWNS OR COMMUNITIES SERVED:

PERSONS INTERVIEWED AND TITLE:

ADDRESS:

PHONE NUMBER:

NUMBER OF UNITS/DATE

NUMBER OF GAS MAINTENANCE EMPLOYEES/DATE

Operating Pressure: MOP Actual

a. Inlet

b. Outlet

Date System (s) Installed:

Replacement/Expansion:

Size, Type, Specifications and Length of Pipeline:

Gas Supplier:

***Reporting Safety
Related Conditions***

YES NO

191.23: Does the operator's O&M plan set forth procedures for compliance with all requirements of this part?

191.25: Does the operator understand that this part requires the filing of safety related condition reports?

192.603: (b), (1) Does the operator have an O & M plan?

(2) If yes, is the plan current within the last year?

(3) If not, list sections which should be incorporated

192.605: Has the operator included in their operating and maintenance plan instructions enabling personnel to recognize conditions that potentially may be reportable safety related conditions?

***Damage Prevention
Program***

192.614: (1) Is the operator exempt from participating in DP program pursuant to Subpart (c) 3 or 4?

(2) If no, does the operator have a written program for prevention of underground damage?

(3) Is the operator a participating member of the state utility locating service?

YES NO

(4) Is the operator maintaining records on a current bases showing the identity of persons who normally engage in excavation activities?

- (5) How are persons in No. 4 being notified of the program and at what intervals?

- (6) Is the operator notifying the general public of the program?

- (7) How is the general public being notified and at what intervals?

- (8) Has the operator identified contractors who perform excavation in their (operator) area?

- (9) Does the operator after receiving notification of proposed excavation, contact the excavator and mark their mains and/or services?

Emergency Plans

- (1) Does the operator have an emergency plan?
- (2) Is the plan up-to-date?

YES NO

- (3) Does the operator have an adequate plan to address the following:
 - a. Receiving and classifying notices of events which require immediate response by the operator.
 - b. Establishing and maintaining adequate means of communication with appropriate fire, police, and other officials.
 - c. Prompt and effective response to a notice of each type of emergency, including the following:

I. Gas inside or near a building.

II. Fire located near or directly involving a pipeline facility.

III. Explosion occurring near or directly involving a pipeline facility.

IV. Natural disaster

d. The availability of personnel, equipment, tools, and materials needed at the scene of an emergency.

e. Actions directed toward protecting people first, and then property.

f. Emergency shutdown and pressure reduction in any section of the operator's pipeline system necessary to minimize hazards to life or property.

g. Making safe any actual or potential hazard to life or property.

h. Notifying appropriate fire, police, and other public officials of gas pipeline emergencies and coordinating with them both planned responses and actual response during an emergency.

i. Safely restoring any service outage.

YES NO

j. Beginning action under Section 192.617, if applicable, as soon after the end of the emergency as possible, each operator shall:

I. Furnish its supervisors who are responsible for emergency action a copy of that portion of the latest edition of the emergency procedures established under paragraph (a) of this section as necessary for compliance with those procedures.

II. Train the appropriate operating personnel to assure that they are knowledgeable of the emergency procedures and

verify that the training is effective.

III. Review employees activities to determine whether the procedures were effectively followed in each emergency.

k. Each operator shall establish and maintain liaison with the appropriate fire, police, and other public officials to:

I. Learn the responsibility and resources of the government organization that may respond to a gas pipeline emergency:

II. Acquaint the officials with the operator's ability in responding to a gas emergency.

III. Identify the types of gas pipeline emergencies of which the operator notifies the officials.

IV. Plan how the operator and officials can engage in mutual assistance to minimize hazards to life or property.

l. Each operator shall establish a continuing educational program to enable customer, the public, appropriate government organizations, and persons engaged in excavation related activities to recognize a gas pipeline emergency for the purpose of reporting it to the operator or the appropriate public officials. The program and the media used must be as comprehensive as necessary to reach all areas in which the operator transport gas. The program must be conducted in English and other languages commonly understood by a significant number concentration of the non-English speaking population in the operator's area.

Materials

YES NO

192.55: (1) Was new steel pipe used by the operator manufactured according to a listed specification under section II of Appendix B of the M.F.S.S.?

192.59: (2) Was new plastic pipe used by the operator manufactured according to the latest edition of a listed specification?

192.63: (3) After inspecting the below items, is each marked according to the specifications or standards to which it was manufactured ?

Valves
Fittings
Pipe

Joining of Materials

192.223: (1) Does the operator have written welding procedures qualified under 192.223?

(2) Are all welders qualified under 192.227 of 192.229?

(3) List all welders qualified according to No. 2 above and date of last test.

Welders, Fusion, Joining Materials

	<u>Welder Name</u>	<u>Date of Last Test</u>	<u>Qualified by</u>
(a)			
(b)			
(c)			
(d)			

YES NO

192.273: (1) Does the operator use any other means of joining materials other than welding?

(2) If so, does the operator have written procedures that have been proven by test or experiences to produce strong gas tight joints.

192.285: (1) Have all employees who make plastic joints qualified to make the joints?

- (2) List the names of employee, date of last test, and type of qualification:

	<u>Welder Name</u>	<u>Type Fusion</u>	<u>Date of Last Test</u>
(a)			
(b)			
(c)			
(d)			

Odorization

YES NO

192.625: (1) Inspection of records indicate that odorant level is readily detectible?

The operator makes test each

(2) Results of instrument tests conducted by ORS representatives.

Distribution Critical Valves

192.181: (1) Has the operator designated critical valves that can sectionalize portions of the system incase of an emergency?

YES NO

(2) Does each regulator station have an inlet valve installed a safe distance from the station that can be used incase of an emergency?

(3) The operator has designated valves on there system that are critical.

(4) Has the operator inspected and maintained their critical

valves within the last 15 months, but at least once each calendar year?

Date of Last Service:

Date of prior service:

Distribution Valves Inspected by ORS Staff

<u>Valve No./ Location</u>	<u>Size</u>	<u>Comment</u>
1.		
2.		
3.		
4.		
5.		

Corrosion Control

YES NO

192.453: (1) Is the corrosion control program carried out by or under a qualified person?

192.455: (2) Do all steel lines have protective coating meeting requirements of 192.461?

(3) Have all lines installed after July 31, 1971 been placed under protection within one year ?

YES NO

192.457: (4) Have all steel distribution lines installed prior to August 1, 1971 been placed under cathodic protection?

(5) Is the operator taking steps to protect mains and services in areas of active corrosion?

192.465: (6) Does the operator take CP readings once each calendar year but with intervals not exceeding 15 months to determine the status of the CP applied?

- (7) The operator's distribution system is protected by anodes and/or rectifiers .
- (8) If the operator's system is protected by rectifiers are they checked six times each year but with intervals not exceeding 2 1/5 months for proper operation?
- (9) Does the operator take prompt remedial action to correct any deficiencies indicated by monitoring?
- 192.467: (10) External corrosion control: Electrical isolation – Is the operator complying with all portions of this regulation?
- 192.481: (11) Does the operator after meeting the requirements of 192.479(b)(3) (Clean or coat areas of atmospheric corrosion) continue to evaluate all above ground piping and take remedial action every three (3)years?
- 192.491: (12) Does the operator maintain the following for the life of the protected pipeline:
 - (a) Maps showing the location of protected pipe?
 - (b) Records of each test survey?
- (13) The staff inspected and took readings of the following locations to verify compliance. (See attachment report)

Prevention of Accidental Ignition

YES NO

192.751: (1) Does the operator have a plan for the prevention of accidental ignition?

Line Markers

192.707: (1) Does the operator maintain pipeline markers on buried distribution mains in class I and class II Locations, at road and railroad crossings?

(2) Does the operator maintain pipeline markers at above ground distribution facilities that are accessible to the public?

Leakage Classification (Commission Rules)

103-493.2: (1) Does review of leakage records substantiate that leaks are being classified by using grades 1, 2, 3, with grade one leaks requiring immediate repair?

Distribution Leak Survey

192.723: (1) Has the operator conducted a leak survey of the entire residential area within the last five (5) years?

(2) If the operator surveys a portion of the distribution system each year, what percentage is surveyed?

%

(3) Does the operator keep adequate records to verify that the entire distribution system is surveyed within the five (5) year timeframe?

192.703: (c), (1) Does the operator respond to and repair Type 1 leaks promptly?

(a) Review complaint service tickets for at least a twelve (12) month period (Check for documentation of time of receipt, dispatch, time of arrival, time made safe, and completion) also, review records of repairs of leaks reported during surveys.

DISTRIBUTION (RESIDENTIAL) SURVEY

Date of Survey: %Percent Covered:

<u>GRADE</u>	<u>NUMBER FOUND</u>	<u>NUMBER REPAIRED</u>
I		
II		
III		

The ORS Staff Reviewed the Following Leaks

<u>Case #</u>	<u>Repair Date</u>	<u>Grade</u>	<u>Location</u>	<u>Positive/Negative</u>
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				

Protection from hazards

YES NO

192.317: (1) Does the operator have written procedures to protect pipelines from washouts, floods, unstable soil, landslides, or other hazards that may cause the pipeline to move or to sustain abnormal loads?

YES NO

(2) Does the operator have specific locations identified which are susceptible to above conditions?

ADDITIONAL COMMENTS