

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Amendments of Chapter 25-12,)	DOCKET NO. 910451-GU
F.A.C., Safety of Gas Transportation)	ORDER NO. 25548
by Pipeline.)	ISSUED: 12-30-91
<hr/>		

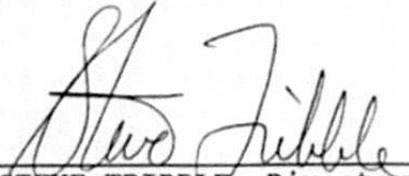
NOTICE OF ADOPTION OF RULE AMENDMENTS

NOTICE is hereby given that the Commission, pursuant to section 120.54, Florida Statutes, has adopted the amendments to Chapter 25-12, F.A.C., relating to safety of gas transportation by pipeline, with changes.

The rule amendments were filed with the Department of State on December 18, 1991, and will be effective on January 7, 1992. A copy of the relevant portions of the certification filed with the Secretary of State is attached to this Notice.

This docket is closed upon issuance of this notice.

By Direction of the Florida Public Service Commission, this
30th day of DECEMBER, 1991.



 STEVE TRIBBLE, Director
 Division of Records & Reporting

(S E A L)

MER
 adp2512.cjp

DOCUMENT NUMBER-DATE

12754 DEC 30 1991

FPSC-RECORDS/REPORTING

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 2

CERTIFICATION OF
PUBLIC SERVICE COMMISSION ADMINISTRATIVE RULES
FILED WITH THE
DEPARTMENT OF STATE

I do hereby certify:

(1) The time limitations prescribed by paragraph 120.54(11)(a), F.S., have been complied with; and

(2) There is no administrative determination under section 120.54(4), F.S., pending on any rule covered by this certification; and

(3) All rules covered by this certification are filed within the prescribed time limitations of paragraph 120.54(11)(b), F.S. They are filed not less than 28 days after the notice required by subsection 120.54(1), F.S., and;

(a) And are filed not more than 90 days after the notice; or

(b) Are filed not more than 90 days after the notice not including days an administrative determination was pending; or

(c) Are filed within 21 days after the adjournment of the final public hearing on the rule; or

(d) Are filed within 21 days after the date of receipt of all material authorized to be submitted at the hearing; or

(e) Are filed within 21 days after the date the transcript was received by this agency.

Attached are the original and two copies of each rule covered by this certification. The rules are hereby adopted by the

ORDER NO. 25548
 DOCKET NO. 910451-GU
 PAGE 3

undersigned agency by and upon their filing with the Department of State.

<u>Rule No.</u>	<u>Rulemaking Authority</u>	<u>Specific Law Being Implemented, Interpreted or Made Specific</u>
25-12.004	368.05(2)	368.03
25-12.005	368.05(2), 350.127(2)	368.03
25-12.007	360.05(2)	368.05(2)
25-12.020	368.05(2)	368.05(2)
25-12.021	368.05(2)	368.05(2)
25-12.027	368.05(2)	368.03
25-12.028	368.05(2)	368.03
25-12.029	368.05(2)	368.03
25-12.030	368.05(2)	368.03
25-12.040	368.05(2)	368.05(2)
25-12.045	368.05(2)	368.05(2)
25-12.050	368.05(2)	368.05(2)
25-12.052	368.05(2)	368.05(2)
25-12.053	368.05(2)	368.05(2)
25-12.055	368.05(2)	368.03

Under the provision of paragraph 120.54(13)(a), F.S., the rules take effect 20 days from the date filed with the Department of State or a later date as set out below:

Effective: _____
 (month) (day) (year)

Kay Flynn for
 Steve Trubble

Director, Division of Records & Reporting
 Title

 Number of Pages Certified

(S E A L)

MER
 adp2512.cjp

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 4

1 25-12.004 Definitions.

2 Definitions contained in codes or standards adopted by these
3 rules are applicable to the rules and the adopted codes or
4 standards with the following exceptions:

5 (1) "Commission". Unless a different intent clearly
6 appears from the context, the word "Commission" shall mean the
7 Florida Public Service Commission, 101 East Gaines Street,
8 Tallahassee, Florida 32399-0868 ~~32301~~, area code (904) 488-8501.

9 (2) "Utility" or "Operator". Except where a different
10 meaning clearly appears from the context, the word "Utility" or
11 "Operator" shall be every person, corporation, partnership,
12 association, public agency, municipality, cooperative gas
13 district or other legal entity and their lessees, trustees, or
14 receivers, now or hereafter owning, operating, managing or
15 controlling any gas transmission or distribution facility
16 transporting gas as defined herein and not specifically exempt
17 exempted from state jurisdiction by the Natural Gas Pipeline
18 Safety Act of 1968, Public Law 90-481.

19 (3) "Gas". Gas as used herein shall mean natural,
20 manufactured, liquefied petroleum gas with air admixture, or any
21 similar gaseous substances, but shall not include liquefied
22 petroleum gas in either the liquid or gaseous form except when
23 stored or used for peak shaving or standby fuels in conjunction
24 with an operator's system.

25 (4) "Inspector". The term "Inspector" shall apply to a

CODING: Words underlined are additions; words in
struck-through type are deletions from existing law.

1 person designated by the utility vested with the authority to
2 initiate action to assure compliance with the adopted codes.

3 (5) "Distribution system". ~~As~~ ~~as~~ used in these rules shall
4 mean any group of interconnected pipe and facilities operating at
5 a hoop stress of less than 20% specified minimum yield strength
6 which transports gas from a common source of supply or storage
7 facility to a customer.

8 (6) "Low Pressure Distribution System" is a gas
9 distribution piping system or portion thereof which supplies gas
10 to more than 10 customers through a common pressure reducing
11 device(s) at a pressure substantially the same as the pressure
12 provided to the customer.

13 (7) "Fusion" means the union of two plastic surfaces that
14 have been heated, or have had solvents applied, sufficiently to
15 melt and fuse them together.

16 (8) "Gas Meter" means an instrument manufactured primarily
17 for use in measuring, and indicating or recording the measurement
18 of, the volume of gas that has moved through the instrument.

19 (9) "Master Meter System" means a pipe system that receives
20 gas through a gas meter and transports that gas to or for the
21 public, with the gas being delivered through another gas meter
22 prior to consumption.

23 (10) "Pipeline" means all parts of those physical facilities
24 through which gas moves in transportation, including pipe,
25 valves, and other appurtenances attached to pipe, compressor

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 6

1 units, metering stations, regulator stations, delivery stations,
2 holders, and fabricated assemblies. "Pipeline," for the purposes
3 of these rules, unless stated otherwise, includes mains and
4 service lines.

5 (11) "Main" means a distribution pipeline that serves as a
6 common source of supply for more than one service line.

7 (12) "Service line" means a distribution pipeline that
8 transports gas from a common source of supply to a gas meter
9 prior to consumption.

10 (13) "Weld" means the union of metals which have been
11 heated sufficiently to melt and fuse them together.

12 Specific Authority: 368.05(2), F.S.

13 Law Implemented: 368.03, F.S.

14 History: New 6/24/67, Amended 3/7/70, 11/14/70, 9/21/74,
15 10/7/75, 10/2/84, _____, formerly 25-12.04.

16

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 7

1 25-12.005 Codes and Standards Adopted.

2 The Minimum Federal Safety Standards and reporting
3 requirements for pipeline facilities and transportation of gas
4 prescribed by the United States Department of Transportation in
5 Parts 191 and 192 of Title 49, Code of Federal Regulations (CFR)
6 as amended through January 31, 1991 ~~April 4, 1989~~, are adopted as
7 part of these rules. Part 199, "Drug Testing" as amended through
8 December 27, 1989 is adopted to control drug use, by setting
9 standards and requirements to apply to the testing and use of all
10 emergency response personnel under the direct authority or
11 control of a gas utility or pipeline operator, as well as all
12 employees directly or indirectly employed by gas pipeline
13 operators for the purpose of operation and maintenance and all
14 employees directly or indirectly employed by intrastate gas
15 distribution utilities for on-site construction of natural gas
16 transporting pipeline facilities. Part 199 also is adopted to
17 prescribe standards for use of employees who do not meet the
18 requirements of the regulations.

19 Specific Authority: 368.05(2), 350.127(2), F.S.

20 Law Implemented: 368.03, F.S.

21 History: New 11/14/70, Amended 9/24/71, Revised 9/21/74, Amended
22 10/7/75, 11/30/82, 10/2/84, 8/8/89, _____, formerly 25-12.05.

23

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 8

1 25-12.007 Commission Compliance Evaluations.

2 (1) The Commission or its authorized representatives shall
3 be granted access to all installations or construction projects
4 at any and all reasonable times and shall be given access to any
5 records or information related to or arising from compliance with
6 these rules or the adopted regulations, standards, or codes.

7 (2) The Commission's Bureau of Gas Regulation or its
8 authorized representative has the authority to require prudent
9 and reasonable tests to be made by the operator to insure public
10 safety and compliance with the Commission's rules or adopted
11 regulations, standards, or codes.

12 (3) When the Commission's compliance evaluations or
13 required tests create an unusual hardship, or the operator
14 believes them to be imprudent and unreasonable, the utility may
15 petition the Commission for a waiver of those requirements for
16 good cause shown.

17 Specific Authority: 368.05(2), F.S.

18 Law Implemented: 368.05(2), F.S.

19 History: New 6/24/67, Amended 11/14/70, Repromulgated 10/7/75,

20 Amended 10/2/84, _____, formerly 25-12.07.

21

CODING: Words underlined are additions; words in
struck-through type are deletions from existing law.

1 25-12.020 Construction Specifications and Inspections.

2 (1) Each operator shall formulate comprehensive written
3 construction specifications for all phases of design,
4 installation, testing, repair and inspection in sufficient detail
5 to assure compliance with these rules. All work performed must
6 be in accordance with these specifications.

7 (2) Field inspections by the operator shall be sufficient
8 to assure the materials used and work performed comply with these
9 rules and the operator's construction specifications.

10 (3) Inspectors shall be qualified by appropriate training
11 and experience to recognize departures from specifications and
12 shall be given authorization by the operator to initiate action
13 so as to cause the repair or removal of any component found that
14 fails to meet these rules or the operator's construction
15 specifications.

16 Specific Authority: 368.05(2), F.S.

17 Law Implemented: 368.05(2), F.S.

18 History: New 9/21/74, Repromulgated 10/7/75, Amended 10/2/84,

19 _____, formerly 25-12.20.
20

CODING: Words underlined are additions; words in struck-through type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 10

1 25-12.021 Use of Plastic Pipe.

2 (1) Before using a specific types type of plastic pipe and
3 fittings, the operator shall:

4 (a) Establish a joining procedure specification for each
5 kind and type of plastic resin used in forming joints with
6 ~~mechanical fitting and~~ solvent cement or heat fusion joint.

7 1. (b) Qualify procedures by ascertaining that tests
8 of assemblies made in accordance with the
9 procedures have been tested made. These
10 tests shall be sufficient to prove
11 ~~demonstrate~~ that the joint is as strong as
12 the pipe, that it is gas tight, and that it
13 can sustain anticipated longitudinal pullout
14 ~~or thrust forces.~~

15 2. (c) Qualify ~~Test~~ personnel in accordance with the
16 procedures to prove ~~demonstrate~~ their ability
17 to make satisfactory joints and ~~or~~ repairs.
18 This personnel qualification shall be
19 accomplished by appropriate training and by
20 experience in the use of the procedures and
21 shall be verified by destructive testing of
22 joints made by the personnel.

23 (b) Establish a joining procedure specification for each
24 kind and type of mechanical fitting.

25 1. Qualify procedures by ascertaining that assemblies

CODING: Words underlined are additions; words in
struck-through type are deletions from existing law.

1 made in accordance with the procedure have been
2 tested. These tests shall be sufficient to prove
3 that the joint is as strong as the pipe, that it
4 is gas tight, and that it can sustain anticipated
5 longitudinal pull or thrust forces.

6 2. Qualify personnel in accordance with the
7 procedures to prove their ability to make
8 satisfactory joints and repairs. This personnel
9 qualification shall be accomplished by appropriate
10 training and by experience in the use of the
11 procedures.

12 (2) Thermosetting plastic pipe may not be used for direct
13 burial without first submitting a proposal for providing
14 protection from external damage to the Commission for review and
15 approval.

16 (3) All underground plastic pipelines must have an
17 electrically conductive wire or other suitable means ~~action taken~~
18 to provide positive location. When a wire is used and it is
19 subject to corrosion, then it must have an insulating type
20 coating.

21 Specific Authority: 368.05(2), F.S.

22 Law Implemented: 368.05(2), F.S.

23 History: New 9/21/74, Repromulgated 10/7/75, Amended 10/2/84,

24 _____, formerly 25-12.21.
25

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 12

1 25-12.027 Welder Qualification.

2 (1) No welder shall make any pipeline weld unless the
3 welder has qualified in accordance with Section 3 of American
4 Petroleum Institute Standard 1104, 17th edition, 1988, Section IX
5 of the American Society of Mechanical Engineers Boiler and
6 Pressure Vessel Code 1977, or Sections 1, 2 & 3 of Appendix C of
7 the Code of Federal Regulations Part 192, as amended through
8 December 27, 1989, within the preceding 15 months, but at least
9 once each calendar year.

10 (2) No welder shall weld with a particular welding process
11 unless the welder has engaged in welding with that process within
12 the preceding six calendar months. A welder who has not engaged
13 in welding with that process within the preceding calendar six
14 months must requalify for that process as set forth in subsection
15 (1) herein.

16 Specific Authority: 368.05(2), F.S.

17 Law Implemented: 368.03, F.S.

18 History: New.

19

CODING: Words underlined are additions; words in
struck-through type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 13

1 25-12.028 Marking of Materials.

2 (1) Each valve, fitting, length of pipe, or other component
3 must be clearly marked as prescribed in the specification or
4 standard to which it was manufactured.

5 (2) An operator must obtain prior approval from the
6 Commission's Bureau of Gas Regulation in order to make any
7 marking alterations or remarking after acceptance of delivery,
8 except for remarking pipe after coating.

9 Specific Authority: 368.05(2), F.S.

10 Law Implemented: 368.03, F.S.

11 History: New.

12

CODING: Words underlined are additions; words in
struck-through type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 14

1 25-12.029 Limiting Use of Pipeline Casings.

2 The installation of casings on metallic pipelines is
3 prohibited unless necessary for the installation process of the
4 pipeline or justifiably required by an appropriate governmental
5 authority.

6 Specific Authority: 368.05(2), F.S.

7 Law Implemented: 368.03, F.S.

8 History: New.
9

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 15

1 25-12.030 Construction Inspection.

2 (1) All welds and fusions on a gas pipeline must be
3 inspected prior to installation or use of the pipeline. Such
4 inspections must be performed by a qualified construction
5 inspector, who may be designated or employed by either the
6 utility or the contractor performing the installation. The
7 inspector may be a person performing welding or joining on the
8 gas pipeline.

9 (2) All gas mains must be inspected prior to installation
10 of the main. Such inspections must be performed by a qualified
11 construction inspector employed or designated by the utility to
12 maintain quality control on the gas main installation project.
13 The qualified construction inspector may be a person performing
14 welding or joining on the gas main project, but may not be
15 employed or designated by the contractor performing the
16 installation. The utility may determine the frequency of such
17 inspections, which must be sufficient in extent and number to
18 insure proper installation and joining.

19 (3) Randomly selected welds must be subjected to
20 destructive or x-ray testing during construction of any pipeline
21 that is at least two inches in diameter and over five thousand
22 feet in length. At least two welds must be tested from each five
23 thousand feet of the pipeline under construction. The result of
24 the test must be evaluated according to a written procedure which
25 has been established in writing, tested and found to produce

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 16

1 joints of a strength that meet or exceed, as a minimum, one of
2 the strength standards listed in the Code of Federal Regulations,
3 Part 192, Appendix B - Qualification of Pipe.

4 (4) Each operator shall establish and maintain for the
5 life of the system a record of each test and inspection required
6 in parts (1), (2) and (3) above, and each main tie-in weld when
7 any one pipeline is greater than two inches in diameter. The
8 record shall include as a minimum:

9 (a) The name of the person or persons performing the
10 joining;

11 (b) The name of the person or persons performing the
12 testing or inspection;

13 (c) The size of pipe;

14 (d) The type of material;

15 (e) The location of construction;

16 (f) The date of test or inspection; and

17 (g) The defects, if any.

18 Specific Authority: 368.05(2), F.S.

19 Law Implemented: 368.03, F.S.

20 History: New.
21

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

1 25-12.040 Leak Surveys, Procedures and Classification.

2 (1) Each operator shall perform periodic leakage surveys in
3 accordance with the following schedule as a minimum:

4 (a) A gas detector instrument survey shall must be
5 conducted at intervals not exceeding 15 months but at least once
6 each calendar year in those portions of an operator's service
7 area, including:

- 8 1. Principal business districts, master meter
9 systems, and other places where the general public
10 is known to regularly congregate frequently.
- 11 2. Where pipeline facilities, including service
12 lines, are located under surfaces of such
13 construction that little opportunity is afforded
14 for a leak to safely vent safely.

15 (b) A gas detector instrument Effective survey surveys to
16 locate leaks throughout areas not included in (a) above shall
17 must be conducted made as frequently as experience indicates, but
18 at intervals not exceeding three (3) years on bare metallic,
19 galvanized steel, coated tubing pipelines, and five (5) years on
20 the remaining pipeline system, or more frequently if experience
21 indicates.

22 (2) The following leak classification system shall be used
23 on all leak records and reports:

24 (a) "Grade 1 Leak" - a leak of gas that represents an
25 existing or probable hazard to persons or buildings. Prompt

CODING: Words underlined are additions; words in
struck-through type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 18

1 action to protect life and property and continuous action until
2 conditions are no longer hazardous is required.

3 (b) "Grade 2 Leak" - a leak that is not a threat to persons
4 or property at the time of detection, but justifies scheduled
5 repair based on potential future hazard. These leaks shall be
6 repaired ~~scheduled for repair and repairs consummated~~ within a
7 ~~period not to exceed~~ 90 days from the date the leak was
8 originally located, unless due to resurvey the leak was
9 determined to be Grade 3 as defined in subsection (c) below. In
10 determining the time period for repair, the following criteria
11 should be taken into consideration:

- 12 1. amount and migration of gas;
- 13 2. proximity of gas to buildings and subsurface
14 structures;
- 15 3. extent of pavement;
- 16 4. soil type and conditions, such as moisture and
17 natural venting.

18 (c) "Grade 3 Leak" - a leak that is not a threat to persons
19 and property and is not ~~can be~~ expected to become remain so.
20 Above ground grade 3 These leaks ~~that are aboveground~~ shall be
21 repaired ~~scheduled for repair and repairs consummated~~ within a
22 ~~period not to exceed~~ 90 days from the date the leak was
23 originally located unless the leak is upgraded or does not
24 produce a positive leak indication when a soap and water
25 solution, or its equivalent, is applied on suspected locations at

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 19

1 | operating pressure. Grade 3 leaks that are underground shall be
2 | reevaluated ~~re-evaluated~~ at least once every 6 months until
3 | cleared. The frequency of reevaluation ~~re-evaluation~~ shall be
4 | determined by the location and magnitude of the leak leakage
5 | condition.

6 | (3) The adequacy of all the repairs of leaks repaired shall
7 | ~~must~~ be checked by appropriate ~~acceptable~~ methods immediately
8 | after the repairs are completed. Where there is residual gas in
9 | the ground, a follow-up inspection using a gas detector
10 | instrument must be made as soon as the gas has had an opportunity
11 | to dissipate, but no later than one month for Grade 1 leaks and 6
12 | months for Grade 2 leaks. The date and status of recheck shall
13 | be recorded on the leak repair records.

14 | Specific Authority: 368.05(2), F.S.

15 | Law Implemented: 368.05(2), F.S.

16 | History: New 9/21/74, Repromulgated 10/7/75, Amended 10/2/84,
17 | _____, formerly 25-12.40.

18

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

1 25-12.045 Inactive Gas Service Lines ~~Discontinuance of~~
2 ~~Services Due to Inactivity.~~

3 (1) The following actions shall be taken for inactive gas
4 service lines that have been used, but have become inactive
5 without reuse:

6 (a) If there is no prospect for reuse, the service line
7 shall be retired and physically abandoned within three months.

8 (b) After a service line has been inactive for a period of
9 two years, if there is a prospect for reuse of the line, one of
10 the following actions shall be taken within six months:

11 ~~After gas service has remained inactive for a period of two~~
12 ~~(2) years, one of the following actions shall be taken within six~~
13 ~~months:~~

14 1. (1) Disconnect the service line from all sources
15 of gas and abandon or remove, ~~or~~

16 2. (2) A valve on the service line shall be locked
17 in the closed position and the service line
18 plugged to prevent the flow of gas, ~~or~~

19 3. (3) Remove the meter and plug the end of the
20 service line to prevent the flow of gas.

21 (c) After five years of inactivity, service lines shall be
22 retired and physically abandoned within six months.

23 (2) To physically abandon a service line, the operator must
24 disconnect the service line from all sources of gas at the
25 nearest point to the gas main. Where the appropriate

CODING: Words underlined are additions; words in
~~struck through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 21

1 governmental authority prohibits cutting pavement, the service
2 line shall be disconnected at the nearest point not under a paved
3 surface. The stub of the service line, the short section of the
4 remaining service line to the main, shall be disconnected closer
5 to the main or at the main, if at some later date it becomes
6 accessible during normal operations.

7 (3) Records must be kept of the size, material, and
8 location of all remaining service line stubs. These records must
9 be readily available to personnel assigned to pipeline locating
10 activities.

11 Specific Authority: 368.05(2), F. S.

12 Law Implemented: 368.05(2), F.S.

13 History: New 9/21/74, Repromulgated 10/7/75, Amended 10/2/84,
14 _____, formerly 25-12.45.
15

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 22

1 25-12.050 Facility Multi-Meter Identification.

2 (1) Gas service line valves at multi-service installations
3 shall be plainly marked by a metal tag or other permanent means
4 designating the building or part of the building being served.
5 However, if marking of the meter will readily identify its
6 service line valve, the meter may be marked in lieu of the
7 service line valve.

8 (2) Each customer meter, gas regulating station, or any
9 aboveground gas transporting facility shall be permanently marked
10 to identify the operator's name and phone number. Marking of
11 facilities shall be accomplished by metal signs, line markers,
12 plastic decals, or other appropriate means.

13 Specific Authority: 368.05(2), F.S.

14 Law Implemented: 368.05(2), F.S.

15 History: New 9/21/74, Amended 10/7/75, _____, formerly
16 25-12.50.

17

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

1 25-12.052 Criteria for Cathodic Protection of Buried or
2 Submerged Steel, Cast Iron, and Ductile Iron Pipeline.

3 (1) The only acceptable criteria for the determination of
4 cathodic protection shall be I-A(1), I-A(2), I-A(3), and I-A(5)
5 of Appendix D, Part 192 of Title 49, CFR.

6 (2) I-A(1) shall be the only criteria acceptable for
7 determination of the degree of cathodic protection of externally
8 coated buried or coated submerged pipelines installed after June
9 1, 1975. When requirements cannot be met due to ineffective
10 insulating capabilities of the external coating, that portion of
11 the pipeline may be isolated and protected using other criteria
12 listed in (1) above.

13 (3) Application of Criterion I-A(2) shall be dependent upon
14 the establishment of initial or unprotected pipe/soil potentials.

15 (4) Application of Criterion I-A(5) is restricted to bare
16 and essentially bare ineffectively coated metallic gas pipelines
17 installed prior to July 31, 1971.

18 (a) Prior to utilization of Criterion I-A(5), a proposed,
19 comprehensive, written, ~~qualified~~ procedure for application and
20 monitoring shall be submitted to the Commission's Bureau of Gas
21 Regulation.

22 (b) The effectiveness of the procedure shall be supported
23 qualified by test data obtained in and actual field application
24 of the procedure. An acceptable ~~qualification of application and~~
25 monitoring procedure procedures shall must demonstrate that the

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

1 procedure can attain a protective net current flow exists from
2 the surrounding electrolyte into the pipeline surface at all
3 current discharge (anodic) points such as: ~~contacting and~~
4 ~~non-contacting structures, parallel, intersecting, and~~
5 ~~electrically shorted service lines, and where the electrical~~
6 ~~survey, required in Commission Rule 25-12.053, has shown active~~
7 ~~corrosion may exist.~~

8 (c) The procedure qualification ~~test~~ shall include a
9 surface potential survey conducted longitudinally directly above
10 the pipeline with maximum spacing of ten (10) feet utilizing two
11 saturated copper-copper sulfate half-cells.

12 (d) All procedure qualification ~~test~~ records shall be
13 retained as long as the qualified procedure is used.

14 (e) If application of the qualified procedure fails to
15 provide the required protective net current flow from the
16 surrounding electrolyte into the pipeline surface for a segment
17 of the pipeline, the procedure shall be modified accordingly and
18 requalified for use in similar conditions.

19 (f) (5) The placement of the electrodes for resurvey
20 monitoring of the application of I-A(5) shall utilize the same
21 electrode locations as the initial survey when practical.

22 (g) Each pipeline that is under cathodic protection
23 utilizing Criterion I-A(5) shall be tested at least once each
24 calendar year, but with intervals not exceeding 15 months, to
25 determine whether the cathodic protection meets the requirements

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

1 of these rules.

2 (5) If gas leakage results from active corrosion of a
3 pipeline, remedial action shall include application of cathodic
4 protection to meet one of the criteria of this rule, as described
5 in subsection (1), unless the pipeline is replaced with non-
6 metallic pipe. Cathodic protection for these remedial
7 applications must be tested at least once every calendar year,
8 but with intervals not exceeding 15 months, to determine whether
9 the cathodic protection meets the requirements of this rule.

10 ~~(6) Each pipeline that is under cathodic protection must be~~
11 ~~tested at least once each calendar year, but with intervals not~~
12 ~~exceeding 15 months, to determine whether the cathodic protection~~
13 ~~meets the requirements of these rules.~~

14 (6) (7) Each operator must take prompt remedial action
15 within three (3) months to correct or make substantial progress
16 toward correction of any deficiencies indicated by monitoring.

17 Specific Authority: 368.05(2), F.S.

18 Law Implemented: 368.05(2), F.S.

19 History: New 9/21/74, Repromulgated 10/7/75, Amended 10/2/84,

20 _____, formerly 25-12.52.

21
CODING: Words underlined are additions; words in
struck-through type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 26

1 25-12.053 Cathodic Protection - Electrical Survey.

2 (1) Each operator shall have a comprehensive written
3 procedure to evaluate electrical survey data on cathodically
4 unprotected pipelines in order to identify areas of active
5 corrosion where cathodic protection must be installed. The
6 electrical survey requirement as referred to in Subpart I, Part
7 192, Title 49, CFR and these rules ~~Rules are~~ is intended to
8 utilize the following surveys:

9 (a) Pipe/Soil potential survey

10 (b) Soil resistivity survey

11 (2)(a) A combination of the two surveys in (1) above is
12 required on the initial electrical survey.

13 (b) For reevaluations ~~re-evaluations~~, Pipe/Soil measurements
14 and soil resistivity measurements are required to be taken, with
15 soil resistivity measurements only being mandatory at Pipe/Soil
16 potential anodic indications and areas where known changes could
17 affect ~~effect~~ soil resistivity enough to cause active corrosion.

18 ~~(3) When the soil resistivity measurements are relatively~~
19 ~~stable at potential anodic indications, an investigation shall be~~
20 ~~made for electrical short-circuit(s) of the pipeline.~~

21 (3) ~~(4)~~ When areas of active corrosion have been
22 established and the operator does not have adequate knowledge of
23 electric current requirements for the ~~his~~ system, then current
24 requirement tests shall be made to determine the degree of
25 protective current required for cathodic protection.

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 27

1 (4) ~~(5)~~ An electrical survey of an underground pipeline
2 system may be considered impractical when obstructions such as
3 concrete, asphalt, or other surface structures, lie in a position
4 directly above the pipeline.

5 Specific Authority: 368.05(2), F.S.

6 Law Implemented: 368.05(2), F.S.

7 History: New 10/7/75, Amended 10/2/84, _____, formerly 25-12.53.
8

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 28

1 25-12.055 Odorization of Gas.

2 (1) Any operator who receives gas directly from a
3 transmission supplier and distributes gas in any system that
4 serves more than 25 customers must odorize all gas transported.
5 As a minimum, the odorant when tested must be at a concentration
6 readily detectable at a gas and air mixture of one-fifth of the
7 lower explosive limit.

8 (2) At least twelve times per calendar year, at intervals
9 not exceeding forty-five days, each operator shall sample gas
10 distributed at places downstream of all injection points to
11 assure the presence of odorant in a concentration that is in
12 accordance with this rule. This testing of samples must be
13 conducted using equipment manufactured specifically for odorant
14 testing.

15 Specific Authority: 368.05(2), F.S.

16 Law Implemented: 368.03, F.S.

17 History: New.

18

CODING: Words underlined are additions; words in
~~struck-through~~ type are deletions from existing law.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 29

Chapter 25-12
Docket No. 910451-GU

SUMMARY OF RULES

Definitions are added for new terms, the section of the rule which adopts federal regulations is updated, drug testing standards prescribed by the U.S. Department of Transportation are adopted. New language is added which codifies the Commission's statutory authority to require tests to ensure compliance with Commission rules, adopted regulations, standards or codes. A provision for waiver of testing requirements is included.

Language is added to an existing section to clarify qualifications for inspectors and to specify that they shall be given authorization to resolve non-complying pipeline construction standards. Additionally, pipeline constructed by contractors must be inspected by the utility. Standards are clarified for the use of both mechanical fittings and the types of plastic resins used in forming joints. Testing procedure language is clarified. Additional language specifies personnel qualifications. Destructive testing of fusion joints made with different resins is required.

New rules require welders to qualify periodically, specify that valves, fittings, and piping must be marked in order to identify them as qualified materials and may not be remarked except as specified, discourage use of casings on metallic pipelines, and require inspection of joining and installation of gas pipelines and mains.

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 30

Revised language requires that gas leak surveys be done by a gas detector instrument. Master meter systems are added to the list of areas which must be surveyed for leaks. Periodic leak surveys are required for different types of pipelines.

The rule regarding inactive gas service lines is substantially revised, with standards specified for retirement and abandonment of lines. A new subsection is added which requires identification of the operator on customer meters, gas regulating stations and aboveground gas transporting facilities. Language is clarified which requires submission of proposed procedures for determining the degree of cathodic protection (corrosion control) under a particular criterion specified in the rule. A new subsection requires testing of cathodic protection of certain cathodically unprotected pipelines. Remedial action is specified for gas leakage caused by corrosion.

A new subsection requires utilities to have a comprehensive written procedure to evaluate electrical survey data and to identify areas of active corrosion where cathodic protection must be installed. A subsection is deleted which required technically obsolete testing.

A new rule requires utilities to odorize and sample gas.

SUMMARY OF HEARING ON THE RULES

At a public hearing held on December 3, 1991, the Commission considered comments by The Florida Natural Gas Association ("FNGA"), Florida Gas Transmission Company ("FGT") and The Society of the Plastics Industry, Inc. ("Society") on the proposed rules

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 31

and rule revisions.

FGT suggested changes to the definitions, discussed exclusion of on-site construction employees from drug testing requirements, requested changes to the welder qualification rule. The Commission agreed that the rules should be changed in response to these suggestions, but rejected FGT's other proposed changes to the welder qualification rule, materials marking rule, the requirement to maintain records of tests and inspections and the leak survey rule.

FNGA commented on Rule 25-12.030, suggested a new title to better reflect coverage of the rule, and suggested other changes with regard to inspections. The Commission agreed with most of the comments. Both FGT and FNGA suggested clarification of the provision allowing x-ray testing as an alternative to destructive testing of welds, with which the Commission agreed.

The Society commented on the rule revision which addresses incompatibility of different types and kinds of plastic pipeline and components. The Commission rejected the suggestions, which mostly dealt with portions of the rules which were not being amended.

FACTS AND CIRCUMSTANCES JUSTIFYING THE RULES

State compliance with currently-valid federal regulations is required by the U.S. Department of Transportation. New and revised rules are proposed to maintain compliance with federal regulations. The Commission's last comprehensive update of its gas transportation safety rules was in 1984. In order to assure

ORDER NO. 25548
DOCKET NO. 910451-GU
PAGE 32

uniform and more stringent safety practices regarding construction, maintenance and operation of gas transportation pipelines, new and revised rules are proposed.