

NOTICES OF PROPOSED RULEMAKING

Unless exempted by A.R.S. § 41-1005, each agency shall begin the rulemaking process by first submitting to the Secretary of State's Office a Notice of Rulemaking Docket Opening followed by a Notice of Proposed Rulemaking that contains the preamble and the full text of the rules. The Secretary of State's Office publishes each Notice in the next available issue of the *Register* according to the schedule of deadlines for *Register* publication. Under the Administrative Procedure Act (A.R.S. § 41-1001 et seq.), an agency must allow at least 30 days to elapse after the publication of the Notice of Proposed Rulemaking in the *Register* before beginning any proceedings for making, amending, or repealing any rule. (A.R.S. §§ 41-1013 and 41-1022)

NOTICE OF PROPOSED RULEMAKING

TITLE 14. PUBLIC SERVICE CORPORATIONS; CORPORATIONS AND ASSOCIATIONS; SECURITIES REGULATION

CHAPTER 5. CORPORATION COMMISSION – TRANSPORTATION

Editor's Note: The following two Notices of Proposed Rulemaking were exempt from Executive Order 2012-03 as issued by Governor Brewer. (See the text of the executive order on page 1749.)

[R13-110]

PREAMBLE

1. Sections Affected

R14-5-201
R14-5-202
R14-5-203
R14-5-204
R14-5-205
R14-5-205
R14-5-206
R14-5-207
R14-5-207

Rulemaking Action

Amend
Amend
Amend
Amend
Re-number
New Section
New Section
Re-number
Amend

2. Citations to the agency's statutory rulemaking authority to include the authorizing statute (general) and the implementing statute (specific):

Authorizing statute: A.R.S. § 40-441

Implementing statute: Arizona Constitution, Article XV, § 3

3. Citations to all related notices published in the *Register* as specified in R1-1-409(A) that pertain to the record of the proposed rule:

Notice of Rulemaking Docket Opening: 19 A.A.R. 1742, July 5, 2013 (*in this issue*)

4. The agency's contact person who can answer questions about the rulemaking:

Name: Charles Hains, Commission Counsel, Legal Division

Address: Arizona Corporation Commission
1200 W. Washington St.
Phoenix, AZ 85007

Telephone: (602) 542-3402

Fax: (602) 542-4870

E-mail: Chains@azcc.gov

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5. An agency's justification and reason why a rule should be made, amended, repealed or renumbered, to include an explanation about the rulemaking:

The purpose of the proposed rules would amend R14-5-201, R14-5-202, R14-5-203, R14-5-204, renumber R14-5-205 and add new rules R14-5-206 and R14-5-207, of the Pipeline Safety Rules.

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The amendments to R14-5-201 will update the meanings of the definitions and add definitions for several terms used within the rules. The amendments to R14-5-202, R14-5-203 and R14-5-204 are revised for clarity and to update incorporations by reference of the most recent amendments to the *Code of Federal Regulations* ("CFR"), Title 49.

R14-5-205 (Master Meter System Operators) is renumbered as R14-5-207. New rule R14-5-205 (Commission Investigations) is added.

New rule R14-5-206 (Employee Drug and Alcohol Testing Requirements) is added and adopts by reference the federal employee drug and alcohol testing requirement applicable to interstate pipeline and applies to intrastate gas or hazardous liquid pipeline facilities and intrastate LNG facilities.

Renumbered rule R14-5-207 is modified for clarity.

6. A reference to any study relevant to the rule that the agency reviewed and proposes either to rely on or not to rely on in its evaluation of or justification for the rule, where the public may obtain or review each study, all data underlying each study, and any analysis of each study and other supporting material:

None

7. A showing of good cause why the rulemaking is necessary to promote a statewide interest if the rulemaking will diminish a previous grant of authority of a political subdivision of this state:

Not applicable

8. The preliminary summary of the economic, small business, and consumer impact:

Small Business Subject to the Rules: These rules do not change the responsibilities of master meter operators already established in 1970 by the adoption by the Commission of the *Code of Federal Regulations*, Title 49, Parts 191 and 192.

The new rules will have no effect on consumers or users of the gas service provided by regulated public utilities as they presently are required to be in compliance with all standards, but this will benefit consumers, users and the general public by maintaining a safe pipeline system.

The proposed rules are the least costly method for obtaining compliance with the long standing minimum safety standards. The rules do not impose additional standards. There is no less intrusive method.

9. The agency's contact person who can answer questions about the economic, small business and consumer impact statement:

Name: Robert Miller, Office of Pipeline Safety
Address: Arizona Corporation Commission
2200 N. Central Ave., Suite 300
Phoenix, AZ 85004
Telephone: (602) 262-5601
Fax: (602) 262-5620
E-mail: RMiller@azcc.gov
Web site: www.azcc.gov

10. The time, place, and nature of the proceedings to make, amend, repeal, or renumber the rule, or if no proceeding is scheduled, where, when, and how persons may request an oral proceeding on the proposed rule:

The Commission has scheduled the following oral proceeding for public comments:

Date: August 9, 2013
Time: 10:00 a.m.
Location: Arizona Corporation Commission
Hearing Room 1
1200 W. Washington St.
Phoenix, AZ 85007
Nature: Public Comment Hearing

Written comments can be submitted on or before August 9, 2013, to the Commission's Docket Control at the address listed above. Please reference Docket No. RG-00000A-13-0049 on all documents.

Oral comments may be provided at the proceedings on August 9, 2013, at 10:00 a.m.

11. All agencies shall list other matters prescribed by statute applicable to the specific agency or to any specific rule or class of rules. Additionally, an agency subject to Council review under A.R.S. §§ 41-1052 and 41-1055 shall respond to the following questions:

None

a. Whether the rule requires a permit, whether a general permit is used and if not, the reasons why a general permit is not used:

Not applicable

b. Whether a federal law is applicable to the subject of the rule, whether the rule is more stringent than federal law and if so, citation to the statutory authority to exceed the requirements of federal law:

Not applicable

c. Whether a person submitted an analysis to the agency that compares the rule's impact of the competitiveness of business in this state to the impact on business in other states:

Not applicable

12. A list of any incorporated by reference material as specified in A.R.S. § 41-1028 and its location in the rules:

49 CFR 40 (October 1, 2012) adopted in R14-5-202(B)

49 CFR 191 (October 1, 2012) adopted in R14-5-202(B)

49 CFR 192 (October 1, 2012), except I(A)(2) and (3) of Appendix D to part 192 adopted in R14-5-202(B)

49 CFR 193 (October 1, 2012) adopted in R14-5-202(B)

49 CFR 195 (October 1, 2012), except 195.1(b)(2), (3), and (4) adopted in R14-5-202(B)

49 CFR 199 (October 1, 2012) adopted in R14-5-202(B)

13. The full text of the rules follows:

**TITLE 14. PUBLIC SERVICE CORPORATIONS; CORPORATIONS AND ASSOCIATIONS;
SECURITIES REGULATION**

CHAPTER 5. CORPORATION COMMISSION – TRANSPORTATION

ARTICLE 2. PIPELINE SAFETY

Section

R14-5-201. Definitions

R14-5-202. Construction and Safety Standards for Gas, LNG, and Hazardous Liquid Pipeline Systems

R14-5-203. Pipeline Incident Reports and Investigations

R14-5-204. Annual Reports

R14-5-205. Commission Investigations

R14-5-206. Employee Drug and Alcohol Testing Requirements

~~R14-5-205~~R14-5-207. Master Meter System Operators

ARTICLE 2. PIPELINE SAFETY

R14-5-201. Definitions

As used in this Article:

1. “Abandon” means disconnecting the pipeline from all sources and supplies of gas, or hazardous liquids, purging the gas or hazardous liquids from the pipeline being disconnected and capping all ends.
2. 1. “Building” means any structure intended for supporting or sheltering any occupancy.
3. “Business District” means an area where the public congregate for economic, industrial, religious, education, health or recreational purposes and two or more buildings used for these purposes are located within 100 yards of each other.
4. 2. “Commission” means the Arizona Corporation Commission.
3. “Discontinuation of service” means an interruption in service expected to exceed four hours, occurring after an operator tests a service line or meter set assembly and determines that additional actions are necessary to restore service because of a leak or hazardous operating condition.
4. “DOT” means the U.S. Department of Transportation.
5. “Evacuation” means denying entry into or the organized clearing of a building or buildings, involving:
 - a. One hundred or more individuals from any number of buildings;
 - b. All of the individuals present from five or more buildings;
 - c. All of the individuals present from five or more businesses within a single building such as a strip mall; or
 - d. A nonresidential building occupied by individuals who are confined, are of impaired mobility, or would be difficult to evacuate because of their age or physical or mental condition or capabilities, such as a hospital, prison, school, daycare facility, retirement facility, or assisted living facility.

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6. "Gas" means natural gas, flammable gas, or toxic or corrosive gas and includes LPG and LNG that is vaporized.
7. "Hazardous liquid" means:
 - a. Petroleum.
 - b. A petroleum product, or
 - c. Anhydrous ammonia.
8. "Independent laboratory" means a laboratory that is not owned or operated by an operator and that has no affiliation with the operator through ownership, contract, or familial relationship.
- 5-9. "Intrastate pipeline" means all pipeline facilities; included in the definition of "pipeline system" that are used by public service corporations a provider to transport natural gas, Liquefied Natural Gas ("LNG"), LNG, other gas or a hazardous liquids liquid within Arizona; and that are not used to transport gas, LNG, or a hazardous liquids liquid in interstate or foreign commerce. This includes, without limitation, any equipment, facility, building, or other property used or intended for use in transporting gas, LNG, or a hazardous liquids liquid.
10. "Liquefied natural gas" means natural gas or synthetic gas having as its major constituent methane (CH₄) that has been changed to a liquid.
11. "LNG" means liquefied natural gas.
12. "LNG facility" means those portions of a pipeline system that are used for transporting or storing LNG or for LNG conversion.
13. "LPG" means liquefied petroleum gas.
14. "MAOP" means maximum allowable operating pressure, the maximum pressure at which a gas or LPG pipeline or segment of pipeline may be operated.
- 6-15. "Master meter system" means physical facilities for distributing gas within a definable area where the operator purchases metered gas from a public service corporation provider to provide gas service to two or more buildings other than at a single family residence.
16. "Office of Pipeline Safety" means the Commission personnel assigned to perform the Commission's day-to-day activities under A.R.S. Title 40, Chapter 2, Article 10, who are headquartered at 2200 N. Central Ave., Suite 300, Phoenix, AZ 85004 and whose contact information is available at <http://www.azcc.gov/Divisions/Safety>.
- 7-17. "Operator" means a person that owns or operates a pipeline system or master meter system.
18. "OPS" means "Office of Pipeline Safety," as defined herein.
19. "Outage" means an unplanned and unscheduled discontinuation of service:
 - a. Concurrently to 250 or more residential customer accounts or to 10 or more commercial customer accounts; or
 - b. To a nonresidential building occupied by individuals who are confined, are of impaired mobility, or would be difficult to evacuate or relocate because of age or physical or mental condition or capabilities, such as a hospital, prison, school, daycare facility, retirement facility, or assisted living facility.
- 8-20. "Person" means any individual, firm, joint venture, partnership, corporation, association, cooperative association, joint stock association, trustee, receiver, assignee, or personal representative, or the state or any political subdivision thereof of the state.
21. "PHMSA" means the U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration.
- 9-22. "Pipeline system" means all parts of those the physical facilities that are used by of a public service corporations corporation or provider through which natural gas, LPG, LNG, other gases or a hazardous liquids move liquid moves in transportation, including; but not limited to; pipes, compressor units, metering stations, regulator stations, delivery stations, holders, and fabricated assemblies, and other equipment, buildings, and property so used.
23. "Provider" means any intrastate gas pipeline operator, public service corporation, or municipality that provides natural gas or LPG service to a master meter customer.
24. "PSIG" means pounds per square inch gauge.
25. "Public service corporation" has the same meaning as in Article 15, § 2 of the Arizona Constitution.
10. "Office of Pipeline Safety" means the Pipeline Safety personnel for the Commission.
- 11-26. "Sandy type soil" means sand no larger than "coarse" as defined by the American Society for Testing and Materials, ASTM D-2487-83 (1983 Edition), Standard Practice for Classification of Soils for Engineering Purposes (1983), incorporated by reference (and no future amendments) and including no future editions or amendments, which is incorporated by reference; on file with the Office of the Secretary of State Pipeline Safety; and copies available from the Commission Office of Pipeline Safety, 1200 West Washington, Phoenix, Arizona 85007 published by and available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.
27. "Sour gas" means natural gas that contains the corrosive sulfur-bearing compound hydrogen sulfide (H₂S).
28. "Sour oil" means crude oil containing the impurity sulfur in a concentration greater than 0.5 percent.
- 12-29. "State" means the state of Arizona and all lands within its boundaries.
- 13-30. "Structure" means something that which is built or constructed, an edifice or building of any kind or any piece of work artificially built or composed of parts joined together in some definite manner.
- 14-31. "Transport" or "transportation" of gas, LNG, or a hazardous liquids liquid means the gathering, transmission, distribution, or storage of gas, LNG, or a hazardous liquids liquid by using a pipeline system within the state.

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32. “Unknown failure” means an occurrence in which a portion of a pipeline system fails, and:
- a. The cause cannot be attributed to any observable external corrosion, third-party damage, natural or other outside force, construction or material defect, equipment malfunction, or incorrect operations; or
 - b. The operator and the Office of Pipeline Safety disagree as to the cause.

R14-5-202. Construction and Safety Standards for Gas, LNG, and Hazardous Liquid Pipeline Systems

- A. Applicability: This ~~rule~~ Section applies to the construction, reconstruction, repair, operation, and maintenance of ~~all~~ each intrastate ~~natural gas, other gas, LNG, and or hazardous liquid pipeline systems, system, pursuant to as described in~~ A.R.S. § 40-441.
- B. Subject to the definitional changes in R14-5-201 and the ~~revisions~~ modifications noted in ~~subsection (C) this Section,~~ the Commission adopts, incorporates, and approves as its own 49 CFR 40; 191; 192, except ~~1(2) and (3)~~ (1)(A)(2) and (3) of Appendix D to Part 192; 193; 195, except 195.1(b)(2), ~~and (3), and (4); and 199, revised as of October 1, 2010 (October 1, 2012), including (and no future editions or amendments), which are incorporated by reference; on file with and copies available from~~ the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004 ~~and; and published by and available from~~ the United States U.S. Government Printing Office, P.O. Box 371954, Pittsburgh, PA 15250-7954 710 North Capital Street N.W., Washington, DC 20401, and at <http://www.gpo.gov/fdsys/>. For purposes of 49 CFR 192, “Business District” means an area where the public congregate for economic, industrial, religious, educational, health, or recreational purposes and two or more buildings used for these purposes are located within 100 yards of each other.
- C. The above mentioned incorporated Parts of 49 CFR, except ~~Parts 49 CFR 191; 49 CFR 192.727(g)(1), 192.913(b)(1)(vii), 192.943(a), 192.949(a), (b), and 192.951; 49 CFR 193 Subpart A; and 49 CFR 195 Subpart Subparts A and B,~~ are revised as follows:
1. Substitute “Commission” where “Administrator,” ~~of the Research and Special Programs Administration” “Pipeline and Hazardous Materials Administration,” or “Office of Pipeline Safety,” or (“OPS”) appear.~~ appears; and
 2. Substitute “Office of Pipeline Safety, Arizona Corporation Commission, at its office in Phoenix, Arizona” where the address for the “Information Resources Manager, Office of Pipeline Safety, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation” appears.
- D. ~~Operators~~ An operator of an intrastate pipeline ~~will~~ shall file with the Commission an Operation and Maintenance Plan (~~O & M~~), including an emergency plan, ~~at least 30 days prior to before~~ placing a pipeline system into operation. Any changes in ~~an existing plans~~ Operation and Maintenance Plan ~~will~~ shall be filed within 30 days ~~of after~~ the effective date of the change.
- E. ~~Operators~~ An operator of an intrastate pipeline transporting sour gas or sour oil ~~are subject to~~ shall comply with the following industry standards addressing facilities handling hydrogen sulfide (H₂S). ~~Standards adopted are, which are incorporated by reference, including no future editions or amendments:~~
1. NACE Standard ~~MR0175~~ MR0175-99, Standard Materials Requirements-Sulfide Stress Cracking Resistant Metallic Material for Oilfield Equipment (1999 Revision), ~~incorporated by reference and no future amendments. Copies are available from on file with~~ the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004 ~~and published by and available from~~ the NACE International, 1440 S. Creek Dr., Houston, TX 77084-4906; ~~and~~
 2. API RP55; (1995 Edition); ~~(and no future amendments) API recommended practice for conducting oil and gas production operations involving hydrogen sulfide, incorporated by reference and no future amendments. Copies are Recommended Practice for Conducting Oil and Gas Producing and Gas Processing Plant Operations Involving Hydrogen Sulfide (2nd Edition 1995), available from on file with the Office of Pipeline Safety and published by and available from~~ the American Petroleum Institute, 1200 L Street, N.W., Washington, DC ~~2005-4070~~ 20005-4070 ~~and at Techstreet; http://www.techstreet.com/.~~
- F. ~~Operators~~ An operator of an intrastate pipeline transporting LNG, hazardous liquid, ~~natural gas or other gas~~ will shall not construct any part of a hazardous liquid, LNG, ~~natural gas or other gas~~ pipeline system under a building. ~~For building encroachments~~ If a building encroaches over a pipeline system, the operator may require the property owner to remove the building from over the pipeline or to reimburse the operator the cost associated with relocating the pipeline system. The operator shall determine, within 90 days after discovering the encroachment, whether the encroachment can be resolved within 180 days. If the operator determines that the encroachment cannot be resolved within 180 days, the operator shall, within 90 days of discovery, submit to the Office of Pipeline Safety a written plan to resolve the encroachment within a period longer than 180 days. The encroachment shall be resolved within 180 days of discovery, or the operator shall discontinue service to the pipeline system. When the encroachment cannot be resolved within the 180 days the operator shall submit to the Office of Pipeline Safety within 90 days of discovery a written plan to resolve the encroachment. The Office of Pipeline Safety may then extend the 180-day requirement in order to allow the ratepayer property owner and the operator to implement the written plan to resolve the encroachment. If the operator does not submit a written plan, and the encroachment is not resolved within 180 days of discovery, the operator shall discontinue service to the pipeline system. This modifies 49 CFR 192.361 and 195.210.
- G. ~~Operators~~ An operator of an intrastate distribution pipeline transporting ~~natural gas or other gas~~ will shall not construct any part of a pipeline system ~~closer~~ less than 8 inches ~~to~~ away from any other underground structure. If the 8-inch clear-

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ance cannot be maintained ~~from other underground structures~~, a sleeve, casing, or shielding shall be used. This modifies 49 CFR 192.361.

- H. Operators** ~~An operator of an intrastate pipeline transporting natural gas or other gas that have~~ has regulators, meters, or regulation meter sets that have been out of service for 36 months ~~will shall abandon those lines~~ disconnect the pipeline from all sources and supplies of gas or hazardous liquids, purge the gas or hazardous liquids from the pipeline being disconnected, and cap all ends. The Operator's steps to accomplish the abandonment shall not exceed within six months beyond after the 36 months out service status have passed. This modifies 49 CFR 192.727.
- I. Operators** ~~An operator of an intrastate pipeline shall not install or operate a gas regulator that might release gas in its operation closer than within 3 feet to of a source of ignition, an opening into a building, an air intake into a building, or to any electrical source that is not intrinsically safe. The 3 foot clearance from a source of ignition will shall be measured from the vent or source of release (discharge port), not from the physical location of the meter set assembly. This subsection shall not be effective with respect does not apply to building permits which are issued and subdivisions which are platted prior to before October 1, 2000. For If an encroachment within into the required 3 foot clearance is caused by an action of the property owner, an occupant, or a service provider; after the effective date of this rule, the operator may require the property owner to resolve the encroachment or to reimburse the operator the cost associated with relocating the pipeline system. The operator shall determine, within 90 days after discovering the encroachment, whether the encroachment can be resolved within 180 days. If the operator determines that the encroachment cannot be resolved within 180 days, the operator shall, within 90 days of discovery, submit to the Office of Pipeline Safety a written plan to resolve the encroachment within a period longer than 180 days. The encroachment shall be resolved within 180 days of discovery or the operator shall discontinue service to the effected pipeline system. When the encroachment cannot be resolved within the 180 days the operator shall submit to the Office of Pipeline Safety within 90 days of discovery a written plan to resolve the encroachment. The Office of Pipeline Safety may then extend the 180-day requirement in order to allow the ratepayer property owner and the operator to implement the written plan to resolve the encroachment. If the operator does not submit a written plan, and the encroachment is not resolved within 180 days of discovery, the operator shall discontinue service to the affected pipeline system. This modifies 49 CFR 192.357 and 192.361.~~
- J. Operators** ~~An operator of an intrastate pipeline transporting LNG, natural gas, other gases or a hazardous liquid will utilize shall use a cathodic protection system designed to protect the metallic pipeline in its entirety, in accordance with 49 CFR 192, Subpart I, October 1, 2010 (and no future amendments), incorporated by reference, and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004, and the United States Government Printing Office, P.O. Box 371954, Pittsburgh, PA 15250-7954, except (2) and (3) (1)(A)(2) and (3) of Appendix D to Part 192 shall not be utilized. This modifies 49 CFR 192.463(a), 193.2629, and 195.571.~~
- K. Operators** ~~of an intrastate pipeline transporting natural gas or other gas will not use solvent cement to join together plastic pipe manufactured from different materials unless the operator utilizes a joining procedure in accordance with the specifications of 49 CFR 192, Subpart F, October 1, 2010 (and no future amendments), incorporated by reference, and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004, and the United States Government Printing Office, P.O. Box 371954, Pittsburgh, PA 15250-7954.~~
- L-K. Operators** ~~An operator of an intrastate pipeline transporting hazardous liquid, natural gas or other gas will shall not install Acrylonitrile-Butadiene-Styrene Acrylonitrile-Butadiene-Styrene (ABS) or aluminum pipe in their a pipeline systems system. This modifies 49 CFR 192.53 and 192.59.~~
- M-L. Operators** ~~An operator of an intrastate pipeline transporting hazardous liquid, natural gas or other gas will shall not install plastic pipe aboveground unless the plastic pipeline is protected by a metal casing, or equivalent, and the installation is approved by the Office of Pipeline Safety. Temporary An operator may use a temporary aboveground plastic pipeline bypasses are permitted bypass for up to 60 days, provided that the plastic pipeline is protected and is under the direct supervision of the operator at all times. This modifies 49 CFR 192.321 and 195.254.~~
- N-M. Operators** ~~An operator of an intrastate pipeline transporting hazardous liquid, natural gas or other gas that construct constructs a pipeline system or any portion thereof using plastic pipe, will shall install, at a minimum, a 14-gauge coated or corrosion resistant, electrically conductive wire as a means of locating the pipe while it is underground. Tracer wire shall not be wrapped around the plastic pipe, tracer Tracer wire may be taped, or attached in some manner to the pipe in another manner, provided that the adhesive or the attachment is not detrimental to the integrity of the pipe wall. This modifies 49 CFR 192.321 and 195.246.~~
- O-N. Operators** ~~An operator of an intrastate pipeline transporting natural gas, other gas or hazardous liquid; that construct constructs an underground pipeline system using plastic pipe, will shall bury the installed pipe with a minimum of at least 6 inches of sandy type soil, free of any rock or debris, surrounding the pipe for bedding and shading, free of any rock or debris, unless the pipe is otherwise protected and as approved by the Office of Pipeline Safety. Steel pipe shall be installed with at least 6 inches of sandy type soil, free of any debris or materials injurious to the pipe coating, surrounding the pipe for bedding and shading, free of any debris or materials injurious to the pipe coating, unless the pipe is otherwise protected and as approved by the Office of Pipeline Safety. This modifies 49 CFR 192.321, 192.361 and 195.246.~~
- P-O. Operators** ~~An operator of an intrastate pipeline transporting natural gas or other gas that construct constructs an underground pipeline system using plastic pipe will shall install the pipe with sufficient slack to allow for thermal expansion~~

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and contraction. In addition, all plastic pipe and fittings for use in an area with service temperatures above 100° F shall be tested and marked CD, CE, CF₂ or CG as required by ASTM D2513 (1995 Edition and no future editions) (1995), including no future editions or amendments, which is incorporated by reference, on file with the Office of Pipeline Safety, and published by and copies available from ASTM International, 100 Barr Harbor Dr., P.O. Box C700, W. Conshohocken, PA 19428-2959, for areas where the service temperature is above 100° F and through <http://www.astm.org>. This modifies 49 CFR 192.63.

~~Q.P.~~ ~~Operators~~ An operator of an intrastate pipeline system transporting hazardous liquid, natural gas or other gases shall qualify welding procedures and shall ~~perform~~ ensure that welding of steel pipelines is performed in accordance with API Standard 1104, as incorporated by reference in 49 CFR 192.7, by welders qualified pursuant to API Standard 1104, except that ~~Each welder must be qualified in accordance with API Standard 1104, 49 CFR 192, 192.7. The qualification of welders qualified as delineated in 49 CFR 192, appendix Appendix C may be used for low stress level pipe. This modifies 49 CFR 192.225, 192.227, 195.214, and 195.222.~~

~~R.Q.~~ ~~Operators~~ An operator of an intrastate pipeline transporting natural gas or other gas pipeline system shall survey and grade all detected leakage by the following guide: according to the standards provided below, which modify 49 CFR 192.706 and 192.723: ASME Guide for Gas Transmission and Distribution Pipeline System, Guide Material, Appendix G-11-1983 except 4.4(e) (1983 Revision and no future revisions), incorporated by reference and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004 and the ASME, Three Park Avenue, New York, NY 10016-5990. (“Should” as referenced in the Guide will be interpreted to mean “shall”). Leakage survey records shall identify in some manner each pipeline surveyed. Records shall be maintained to demonstrate that the required leakage survey has been conducted.

1. In the case of all gas except LPG, leakage surveys and grading shall be performed pursuant to the standards set by ASME Guide for Gas Transmission and Distribution Pipeline System, Guide Material, Appendix G-11-1983, including no future editions or amendments, which is incorporated by reference; on file with the Office of Pipeline Safety; published by and available from ASME, Three Park Avenue, New York, NY 10016-5990; and modified by omitting 4.4(c) and by replacing “should” with “shall” each time it appears.
2. In the case of LPG, leakage surveys and grading shall be performed pursuant to the standards set by ASME Guide for Gas Transmission and Distribution Pipeline System, Guide Material, Appendix G-11A-1983, including no future editions or amendments, which is incorporated by reference; on file with the Office of Pipeline Safety; published by and available from ASME, Three Park Avenue, New York, NY 10016-5990; and modified by replacing “should” with “shall” each time it appears.
3. Leakage survey records shall identify in some manner each pipeline surveyed and shall be maintained to demonstrate that each required leakage survey has been conducted. This modifies 49 CFR 192.706 and 192.723.

~~S.~~ ~~Laboratory testing of intrastate pipelines shall be conducted in accordance with the following:~~

1. ~~If an operator of an intrastate natural gas, other gas, or hazardous liquid pipeline removes a portion of a failed pipeline, where the cause of the failure is unknown, as the result of an incident that requires a telephonic or written incident report under R14-5-203(B) or (C), the operator shall retain the portion that was removed and shall telephonically notify the Office of Pipeline Safety of the removal within two hours after the removal is completed. A notice made pursuant to this subsection shall include all of the following:~~
 - a. ~~Identity of the failed pipeline;~~
 - b. ~~Description and location of the failure;~~
 - c. ~~Date and time of the removal;~~
 - d. ~~Length or quantity of the removed portion;~~
 - e. ~~Storage location of the removed portion;~~
 - f. ~~Any additional information about the failure or the removal of the portion of the pipeline that failed that is requested by the Office of Pipeline Safety. An unknown failure is any failure where the cause of the failure is not observable external corrosion, third party damage, natural or other outside forces, construction or material defect, equipment malfunction or incorrect operations; or is any failure where the Office of Pipeline Safety and the operator do not agree as to the cause of the failure.~~
2. ~~Within 48 hours after telephonic notification pursuant to subsection (1), the Office of Pipeline Safety shall notify the operator that either:~~
 - a. ~~The Office of Pipeline Safety is directing the operator to have the portion of the pipeline that was removed tested by a laboratory to determine the cause or causes of the failure; or~~
 - b. ~~The Office of Pipeline Safety is not directing laboratory testing and the operator may discard the portion of the pipeline that was removed. The Office of Pipeline Safety shall confirm its notification in writing.~~
3. ~~If the Office of Pipeline Safety directs laboratory testing pursuant to subsection (2)(a):~~
 - a. ~~The Office of Pipeline Safety shall:~~
 - i. ~~Determine the laboratory that will do the testing pursuant to subsection (4) and the period of time within which the testing is to be completed.~~
 - ii. ~~Approve the number and types of tests to be performed.~~

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- iii. Notify the operator of its determinations pursuant to subsections (3)(a)(i) and (ii).
- b. The operator shall:
 - i. Notify the Office of Pipeline Safety of the number and types of tests proposed by the operator.
 - ii. Notify the Office of Pipeline Safety of the date and time of any laboratory tests at least 20 days before the tests are done.
 - iii. At the request of the Office of Pipeline Safety, ensure that a representative of the Office of Pipeline Safety is permitted to observe any or all of the tests.
 - iv. Ensure that the original laboratory test results are provided to the Office of Pipeline Safety within 30 days of the completion of the tests.
 - v. Pay for the laboratory testing.
- 4. ~~In determining a laboratory pursuant to subsection (3)(a)(i), the Office of Pipeline Safety shall:~~
 - a. ~~Submit a written request to at least three different laboratories for bids to conduct the testing.~~
 - b. ~~Consider the qualifications of the respondent laboratories to perform the testing, including:~~
 - i. ~~Past experience in performing the required test or tests according to ASTM International standards.~~
 - ii. ~~Any recognition that the laboratory may demonstrate with national or international laboratory accreditation bodies.~~
 - e. ~~Select the laboratory that offers the optimum balance between cost and demonstrated ability to perform the required test or tests.~~
 - d. ~~The Office of Pipeline Safety shall not select a laboratory pursuant to this subsection before either of the following, whichever occurs first:~~
 - i. ~~The Office of Pipeline Safety has received written bids from at least three different laboratories.~~
 - ii. ~~Thirty days from the date of the request for bids has passed.~~
- R.** An operator of an intrastate transmission pipeline transporting gas shall conduct a leakage survey at least twice each calendar year, at an interval not exceeding 7 1/2 months, independent of class location, and shall repair each underground leak classified as grade two or three either upon discovery or within one year after discovery. This modifies 49 CFR 192.706 and 192.711.
- S.** An operator of an intrastate transmission pipeline transporting gas and operating at or above 20 percent of Specified Minimum Yield Strength shall ensure that nondestructive testing is completed for each weld performed on newly installed, replaced, or repaired pipeline or an appurtenance. This modifies 49 CFR 192.241.
- T.** In the event of an unknown failure of a gas, LNG, or hazardous liquid pipeline, resulting in the operator's being required to provide a telephonic or written report under R14-5-203(B) or (C) and in the operator's removing a portion of the failed pipeline, the following shall occur:
 - 1. The operator shall retain the portion of failed pipeline that was removed;
 - 2. The operator shall telephonically notify the Office of Pipeline Safety of the removal within two hours after the removal is completed, providing the following information:
 - a. Identity of the failed pipeline,
 - b. Description and location of the failure,
 - c. Date and time of the removal,
 - d. Length or quantity of the removed portion,
 - e. Storage location of the removed portion, and
 - f. Any additional information about the failure or the removal of the portion of the failed pipeline that is requested by the Office of Pipeline Safety;
 - 3. Within 48 hours after receiving telephonic notification pursuant to subsection (T)(2), the Office of Pipeline Safety shall:
 - a. Determine, based on the information provided by the operator and the availability, adequacy, and reliability of any pipeline testing laboratory operated by the operator, whether it is necessary to have the removed portion of pipeline tested at an independent laboratory; and
 - b. Telephonically notify the operator either:
 - i. That the operator must have the removed portion of pipeline tested, in accordance with Office of Pipeline Safety directions, by an independent laboratory selected by the Office of Pipeline Safety as provided in subsection (T)(5), to determine the cause or causes of the failure; or
 - ii. That the operator is not required to have the removed portion of pipeline tested by an independent laboratory and instead must conduct testing in its own pipeline testing laboratory, after which the operator may discard the removed portion of pipeline;
 - 4. After providing telephonic notice as provided in subsection (T)(3)(b), the Office of Pipeline Safety shall confirm its notification in writing;
 - 5. If the Office of Pipeline Safety directs testing by an independent laboratory:
 - a. The Office of Pipeline Safety shall:
 - i. Determine, as provided in subsection (T)(6), the independent laboratory that will do the testing and the

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- period of time within which the testing is to be completed;
- ii. Determine, based on the available information concerning the failure, the number and types of tests to be performed on the removed pipeline; and
- iii. Notify the operator of its determinations; and
- b. The operator shall:
- i. Contact the selected independent laboratory to arrange the scheduling of the required tests;
- ii. Notify the Office of Pipeline Safety, at least 20 days before the date of the tests, of the date and time scheduled for the laboratory tests;
- iii. At the request of the Office of Pipeline Safety, ensure that a representative of the Office of Pipeline Safety is permitted to observe any or all of the tests;
- iv. Ensure that the original test results are provided to the Office of Pipeline Safety by the independent laboratory within 30 days after the tests are completed; and
- v. Pay for the independent laboratory testing; and
6. In determining an independent laboratory to perform testing required under subsection (T), the Office of Pipeline Safety shall:
- a. Submit to at least three different independent laboratories written requests for bids to conduct the testing;
- b. Consider each responding independent laboratory's qualifications to perform the testing, as demonstrated by:
- i. Past experience in performing the required test or tests according to ASTM International standards; and
- ii. Any recognition that a laboratory may have received from a national or international laboratory accreditation body, such as through a certification or accreditation process;
- c. Wait to select an independent laboratory until one of the following occurs:
- i. The Office of Pipeline Safety has received written bids from at least three different independent laboratories, or
- ii. Thirty days have passed since the date of the request for bids; and
- d. Select the independent laboratory that offers the optimum balance between cost and demonstrated ability to perform the required test or tests. This modifies 49 CFR 192.617, 193.2515, and 195.402.
- ~~T.U.~~ All An operator shall ensure that all repair work performed on an existing intrastate pipeline transporting LNG, hazardous liquids liquid, natural gas or other gas will comply complies with the provisions of this Article.
- ~~U.V.~~ The Commission may waive compliance with any of the aforementioned parts requirements of this Section upon a finding that such a waiver is in the interest of public and pipeline safety.
- ~~V.W.~~ To ensure compliance with the provisions of this rule Article, the Commission or an authorized representative thereof may enter the premises of an operator of an intrastate pipeline to inspect and investigate the property, books, papers, electronic files, business methods, and affairs that pertain to the pipeline system operation.
- ~~W.~~ All other Commission administrative rules are superseded to the extent they are in conflict with the pipeline safety provisions of this Article.

R14-5-203. Pipeline Incident Reports and Investigations

- A. Applicability. This rule Section applies to all intrastate pipeline systems.
- B. Required incident reports by telephone:
1. ~~Operators~~ An operator of an intrastate pipeline transporting LNG, natural gas or other gas will shall immediately notify by telephone the Office of Pipeline Safety, at (602) 262-5601 during normal working hours or at (602) 252-4449 at all other times, immediately upon discovery of discovering the occurrence of any of the following:
- a. ~~The release~~ Release of natural gas, other gas or liquefied natural gas (LNG) from a pipeline or LNG facility, when any of the following results:
- i. Death or personal injury requiring hospitalization;
- ii. ~~An explosion or fire not intentionally set by the operator.~~ Injury to any individual resulting in loss of consciousness;
- iii. ~~Property damage, including the value of the gas lost, estimated in excess of \$5,000.~~ An explosion or fire not intentionally set by the operator;
- iv. Property damage estimated in excess of \$5,000, including the value of the gas lost; or
- v. Unintentional release of gas from a transmission pipeline;
- b. Emergency transmission pipeline shutdown;
- c. News media inquiry;
- d. Overpressure of a pipeline system where a pipeline operating at less than 12 PSIG exceeds MAOP by 50%, where a pipeline operating between 12 PSIG and 60 PSIG exceeds MAOP by 6 PSIG, or where a pipeline operating over 60 PSIG exceeds MAOP plus 10%;
- e. Permanent or temporary discontinuance of gas service to a master meter system or when assisting with the isolation of any portion of a gas master meter system due to a failure of a leak test;
- f. Emergency shutdown of a any LNG process or storage facility;

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g. An evacuation; or

h. An outage.

2. ~~Operators~~ An operator of an intrastate pipeline transporting hazardous liquid ~~will~~ shall immediately notify by telephone the Office of Pipeline Safety, at (602) 262-5601 during normal working hours or at (602) 252-4449 at all other times, ~~immediately upon discovery of~~ discovering a failure in a pipeline system resulting in the occurrence of any of the following:

a. ~~Death or personal injury requiring hospitalization.~~ Injury to an individual that results in one or more of the following:

i. Death or personal injury requiring medical treatment.

ii. Loss of consciousness, or

iii. Inability of the individual to leave the scene of the incident unassisted;

b. An explosion or fire not intentionally set by the operator;

c. Property damage estimated in excess of \$5,000;

d. Pollution of any land; or stream, river, lake, reservoir, or other body of water that violates applicable environmental quality; or water quality standards, causes a discoloration of the water surface of the water or adjoining shoreline, or deposits sludge or emulsion beneath the water surface of the water or upon the adjoining shoreline;

e. News media inquiry;

f. Release of 5 gallons (19 liters) or more of hazardous liquid or carbon dioxide, except that no report is required for a release of less than 5 barrels (0.8 cubic meters) resulting from a pipeline maintenance activity if the release is:

i. Not otherwise reportable under this Section;

ii. Not one described in 49 CFR 195.52(a)(4) (2010 revision and no future revisions), as incorporated by reference in R14-5-202 and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004;

iii. Confined to company the operator's property or the pipeline right-of-way; and

iv. Cleaned up promptly; or

g. Any release of hazardous liquid or carbon dioxide; that was significant in the judgment of the operator even though it did not meet any of the criteria of this subsection in subsections (B)(2)(a) through (f).

3. ~~Telephone~~ A telephonic incident reports will report shall include the following information:

a. Name of the pipeline system operator,

b. Name of the reporting party,

c. Job title of the reporting party,

d. ~~The reporting party's telephone~~ Telephone number of the reporting party,

e. Location of the incident,

f. Time of the incident, and

g. ~~Fatalities~~ Description of any fatalities and injuries, if any.

C. ~~Require~~ Required written incident ~~report reports:~~

1. ~~Operators~~ An operator of an intrastate pipeline transporting natural gas, LNG or other gases ~~will~~ gas shall file a written incident report when an incident ~~occurs~~ occurs involving a natural gas or other gas pipeline that results occurs resulting in any of the following:

a. ~~An explosion or fire not intentionally set by the operator.~~ Release of gas or LNG from a pipeline or LNG facility, when any of the following results:

i. Death or personal injury requiring hospitalization;

ii. Loss of consciousness;

iii. An explosion or fire not intentionally set by the operator;

iv. Property damage estimated in excess of \$25,000, including the value of all released gas; or

v. Unintentional release of gas from a transmission pipeline;

b. ~~Injury to a person that results in one or more of the following:~~

i. ~~Death;~~

ii. ~~Loss of consciousness;~~

iii. ~~Need for medical treatment requiring hospitalization.~~

b. An incident involving an evacuation, outage, or property damage and resulting in expenses including the value of any released gas and of restoring service or evacuation estimated in excess of \$25,000;

e. Property damage, including the value of the lost gas, estimated in excess of \$5,000.

~~d.c.~~ Emergency transmission pipeline shutdown;

~~e.d.~~ Overpressure of a pipeline system where a pipeline operating at less than 12 PSIG exceeds MAOP by 50%, where a pipeline operating between 12 PSIG and 60 PSIG exceeds MAOP by 6 PSIG, or where a pipeline operating over 60 PSIG exceeds MAOP plus 10%; or

- f.e. Emergency shutdown of a any LNG process or storage facility.
2. ~~Written~~ A written incident reports report concerning a natural gas or other gas pipeline systems system will shall be in completed using the following form, as applicable, which are incorporated by reference; on file with the Office of Pipeline Safety; and published by and available from PHMSA at East Building, Second Floor, 1200 New Jersey Ave., S.E., Washington, DC 20590, and at <http://www.phmsa.dot.gov/pipeline/library/forms>:
 - a. ~~PHMSA F7100.1 – Distribution System: Incident Report, (January, 2010 Revision and no future revisions) incorporated by reference and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004. Form PHMSA F 7100.1: Incident Report – Gas Distribution System (June 2011), including no future editions or amendments;~~
 - b. ~~PHMSA F7100.2 – Transmission and Gathering System: Incident Report, (January, 2010 Revision and no future revisions) incorporated by reference and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004. Form PHMSA F 7100.2: Incident Report – Natural and Other Gas Transmission and Gathering Pipeline Systems (December 2012), including no future editions or amendments; or~~
 - c. ~~Written incident reports with respect to LNG facilities will be in an investigative form defining the incident and corrective action taken to prevent a recurrence. Form PHMSA F 7100.3: Incident Report – Liquefied Natural Gas (LNG) Facilities (June 2011), including no future editions or amendments.~~
 3. ~~Operators~~ An operator of an intrastate pipeline transporting hazardous liquid will ~~make~~ shall file a written incident report ~~on~~ completed using Form PHMSA F 7000-1, ~~(January 2010 Revision and no future revisions);~~; Accident Report – Hazardous Liquid Pipeline Systems (December 2012), including no future editions or amendments, which is incorporated by reference, and copies available from on file with the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004, and published by and available from PHMSA as set forth in subsection (C)(2), when there is a release of hazardous liquid which results resulting in any of the following: any time the operator would have been required to make a notification as required under R14-5-203(B)(2).
 - a. ~~An explosion or fire not intentionally set by the operator.~~
 - b. ~~Injury to a person that results in one or more of the following:~~
 - i. ~~Death.~~
 - ii. ~~Loss of consciousness.~~
 - iii. ~~Inability to leave the scene of the incident unassisted.~~
 - iv. ~~Need for medical treatment.~~
 - v. ~~Disability which interferes with a person’s normal daily activities beyond the date of the incident.~~
 - e. ~~Release of 5 gallons (19 liters) or more of hazardous liquid or carbon dioxide, except that no report is required for a release of less than 5 barrels (0.8 cubic meters) resulting from a pipeline maintenance activity if the release is:~~
 - i. ~~Not otherwise reportable under this Section;~~
 - ii. ~~Not one described in 49 CFR 195.52(a)(4); (2010 revision and no future revisions), incorporated by reference and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004;~~
 - iii. ~~Confined to company property or pipeline right-of-way; and~~
 - iv. ~~Cleaned up promptly.~~
 - d. ~~Estimated property damage, including cost of clean up and recovery, value of lost product, and damage to the property of the operator or others, or both, exceeding \$5,000.~~
 - e. ~~News media inquiry.~~
 4. ~~Written~~ A written incident reports ~~as report~~ required ~~in~~ by this Section will shall be filed with the Office of Pipeline Safety; within the time specified below:
 - a. ~~Natural~~ For gas, an LNG, or other gas - incident, within 20 days after detection; ~~and~~
 - b. ~~Hazardous liquids –~~ For a hazardous liquid incident, within 15 days after detection.
 5. ~~The Operators~~ An operator shall ~~also either~~ file a copy of ~~an~~ each DOT required written incident reports report electronically with the Pipeline and Hazardous Materials Safety Administration PHMSA at <http://opsweb.phmsa.dot.gov/https://portal.phmsa.dot.gov/pipeline> or submit a written request for an alternative reporting method to the Information Resource Manager, Office of Pipeline Safety, Pipeline and Hazardous Materials Safety Administration, PHP-20, 1200 New Jersey Avenue, S.E., Washington, DC 20590, ~~under 49 CFR 195.58, as incorporated by reference in R14-5-202.~~
 6. ~~Operators of a natural gas or other~~ After an incident involving shutdown or partial shutdown of a master meter system, an operator of a gas pipeline system will shall request and obtain a clearance from the Office of Pipeline Safety ~~prior to before~~ turning on or reinstating service to a master meter ~~operator~~ system or portion of the master meter system that was shut down.
- D. Investigations by the Commission:**
1. ~~The Office of Pipeline Safety will investigate the cause of incidents resulting in death or serious injury.~~
 2. ~~Pursuant to an investigation under this rule, the Commission, or an authorized agent thereof, may:~~

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- a. ~~Inspect all plant and facilities of a pipeline system.~~
- b. ~~Inspect all other property, books, papers, business methods, and affairs of a pipeline system.~~
- e. ~~Make inquiries and interview persons having knowledge of facts surrounding an incident.~~
- d. ~~Attend, as an observer, hearings and formal investigations concerning pipeline system operators.~~
- e. ~~Schedule and conduct a public hearing into an incident.~~
- 3. ~~The Commission may issue subpoenas to compel the production of records and the taking of testimony.~~
- 4. ~~Incidents not reported in accordance with the provisions of this rule will be investigated by the Office of Pipeline Safety.~~
- 5. ~~Incidents referred to in incomplete or inaccurate reports will be investigated by the Office of Pipeline Safety.~~
- 6. ~~Late filed incident reports will be accompanied by a letter of explanation. Incidents referred to in late filed reports may be investigated by the Office of Pipeline Safety.~~

R14-5-204. Annual Reports

- A. ~~All intrastate pipeline operators will~~ An operator of an intrastate pipeline shall file with the Office of Pipeline Safety, not later than March 15, for the preceding calendar year, ~~the following appropriate report(s) an annual report completed using one of the following, as applicable, which are incorporated by reference; on file with the Office of Pipeline Safety; and published by and available from PHMSA as provided in R14-5-203(C)(2):~~
1. ~~Form PHMSA F 7000-1.1: Annual Report for Calendar Year 20__ Hazardous Liquid Pipeline Systems (June 2011 Edition and no future editions) —“Annual Report for calendar year 20__, hazardous liquid or carbon dioxide systems” and “Instructions for completing PHMSA F 7000-1.1 (Rev. 01-2011), Annual Report for calendar year 20__ hazardous liquid or carbon dioxide systems,” incorporated by reference, and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004 and the Pipeline and Hazardous Materials Safety Administration, at <http://opsweb.phmsa.dot.gov/>, including no future editions or amendments, which shall be completed in accordance with the PHMSA instructions for the form;~~
 2. ~~PHMSA F7100.1-1 Form PHMSA F 7100.1-1: (January 2011 Edition and no future editions) —“Annual Report for Calendar Year 20__, Gas Distribution System” and “Instructions for Completing PHMSA Form F7100.1-1, Annual Report for Calendar Year 20__, Gas Distribution System,” incorporated by reference, and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004 and the Pipeline and Hazardous Materials Safety Administration, at <http://opsweb.phmsa.dot.gov/>. (January 2011), including no future editions or amendments, which shall be completed in accordance with the PHMSA instructions for the form;~~
 3. ~~PHMSA F7100.2-1 (June 2011 Edition and no future editions) —“Annual Report for Calendar Year 20__, Gas Transmission and Gathering Systems” and “Instructions for Completing Form PHMSA F7100.2-1 (Rev. 12-2005), Annual Report for Calendar Year 20__, Gas Transmission and Gathering Systems,” incorporated by reference, and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004 and the Pipeline and Hazardous Materials Safety Administration, at <http://opsweb.phmsa.dot.gov/>. Form PHMSA F 7100.2-1: Annual Report for Calendar Year 20__ Natural and Other Gas Transmission and Gathering Pipeline Systems (December 2012), including no future editions or amendments, which shall be completed in accordance with the PHMSA instructions for the form; or~~
 4. ~~PHMSA F7100.31 (November 2010 Edition and no future editions) —“Annual Report for Calendar Year 20__, Liquefied Natural Gas (LNG) Facilities, and “Instructions for Completing Form F7100.3-1 (10-2010), Annual Report for Calendar Year 20__, Liquefied Natural Gas (LNG) Facilities,” incorporated by reference and copies available from the Office of Pipeline Safety, 2200 N. Central Avenue, Suite 300, Phoenix, AZ 85004 and the Pipeline and Hazardous Materials Safety Administration, at <http://opsweb.phmsa.dot.gov/>. Form PHMSA F 7100.3-1: Annual Report for Calendar Year 20__ Liquefied Natural Gas (LNG) Facilities (June 2011), including no future editions or amendments, which shall be completed in accordance with the PHMSA instructions for the form.~~
- B. ~~The~~ An operator will also file of an intrastate pipeline shall submit a copy of ~~all each~~ required annual reports report by March 15, for the previous calendar year, to the ~~Information Pipeline and Hazardous Materials Safety Administration, at <http://opsweb.phmsa.dot.gov/>. PHMSA at <https://portal.phmsa.dot.gov/pipeline>.~~

R14-5-205. Commission Investigations

- A. The Office of Pipeline Safety shall investigate the cause of each reportable incident, accident, or event resulting in a death or an injury requiring hospitalization.
- B. While investigating an incident, accident, or event, the Commission, or an authorized agent of the Commission may:
1. Inspect all plant and facilities of a pipeline system and all other property of a pipeline system operator;
 2. Inspect the books, papers, business methods, and affairs of a pipeline system operator;
 3. Make inquiries regarding and interview persons having knowledge of facts surrounding an incident or accident;
 4. Attend, as an observer, all hearings and formal investigations concerning a pipeline system operator;
 5. Schedule and conduct a public hearing into the incident or accident; and
 6. Issue subpoenas to compel the production of records and the taking of testimony.

R14-5-206. Employee Drug and Alcohol Testing Requirements

An operator of an intrastate pipeline facility transporting gas or a hazardous liquid or of an intrastate LNG facility shall ensure that drug and alcohol testing of its workers is performed in compliance with 49 CFR 199, as incorporated by reference in R14-5-202.

~~R14-5-205~~R14-5-207. Master Meter System Operators

- A. ~~Applicability: This rule Section applies to the construction, reconstruction, repair, emergency procedures, operation, and maintenance of all master meter systems, as a condition of receiving service public service corporations. Noncompliance with this rule by operators of a master meter system shall constitute grounds for termination of service by the public service corporation when informed in writing by the Office of Pipeline Safety. In case of an emergency, the Office of Pipeline Safety may give the public service corporation oral instructions to terminate service, with written confirmation to be furnished within 24 hours.~~
- B. ~~Subject to the definitional changes in R14-5-201 and the revisions noted in subsection (C), the Commission adopts, incorporates, and approves as its own 49 CFR 191 and 192, revised as of October 1, 2010 (and no future amendments), incorporated by reference, and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004 and the United States Government Printing Office, P.O. Box 371954, Pittsburgh, PA 15250-7954.~~
- B. An operator of a master meter system shall comply with this Section as a condition of receiving service from a provider. Noncompliance with this Section by an operator of a master meters system constitutes grounds for termination of service by the provider when informed in writing by the Office of Pipeline Safety. In case of an emergency, the Office of Pipeline Safety may give the provider oral instructions to terminate service, with written confirmation to be furnished within 24 hours.
- C. ~~The above mentioned incorporated parts of 49 CFR, except Part 191, are revised as follows:~~
- ~~1. Substitute "Commission" where "Office of Pipeline Safety" (OPS) appears.~~
 - ~~2. Substitute Office of "Pipeline Safety, Arizona Corporation Commission, at its office in Phoenix, Arizona" where the address for the Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation appears.~~
- C. Each operator of a master meter system shall comply with all applicable requirements of 49 CFR 192, as incorporated by reference in R14-5-202.
- D. ~~Operators of a master meter system will establish an Operation and Maintenance Plan (O & M) including an emergency plan. The plans must be maintained at the master meter system location.~~
- D. An operator of a master meter system shall:
1. Establish an Operation and Maintenance Plan, including an emergency plan; and
 2. At all times, maintain a copy of the Operation and Maintenance Plan at the master meter system location.
- E. ~~Operators of a master meter system will not construct any part of a natural gas or other gas system under a building or permit a building to be placed over a pipeline. Within 180 days of discovery of a building being located over a pipeline, the operator shall remove the building from over the pipeline, relocate the pipeline or discontinue the service to the pipeline located under the building.~~
- E. An operator of a master meter system shall:
1. Ensure that no part of a gas pipeline system is constructed under a building and that no building is placed over any portion of a gas pipeline system; and
 2. Upon discovering that a building is located over a portion of a gas pipeline system, complete one of the following within 180 days:
 - a. Remove the building from over the pipeline.
 - b. Relocate the pipeline, or
 - c. Discontinue service to the portion of the pipeline system located under the building.
- F. ~~Operators An operator of a master meter system will shall not install Acrylonitrile-Butadiene-Styrene (ABS) or aluminum pipe in their systems the master meter system.~~
- G. ~~Operators of a master meter system will not use solvent cement to join together plastic pipe manufactured from different materials unless the operator utilizes a joining procedure in accordance with the specifications of 49 CFR 192, Subpart F, October 1, 2010 (and no future amendments), incorporated by reference, and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004 and the United States Government Printing Office, P.O. Box 371954, Pittsburgh, PA 15250-7954.~~
- H.G. Operators of a master meter system that construct a pipeline or any portion thereof using plastic pipe will install, at a minimum, a 14-gauge coated or corrosion resistant, electrically conductive wire as a means of locating the pipe while it is underground. Tracer wire shall not be wrapped around the plastic pipe, tracer wire may be taped, or attached in some manner to the pipe provided that the adhesive or the attachment is not detrimental to the integrity of the pipe wall. An operator of a master meter system that constructs a pipeline or any portion thereof using plastic pipe shall install, at a minimum, a 14-gauge coated or corrosion resistant, electrically conductive wire as a means of locating the pipe while it is underground. Tracer wire shall not be wrapped around the plastic pipe. Tracer wire may be taped or attached to the pipe in another manner, provided that the adhesive or attachment is not detrimental to the integrity of the pipe wall.

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- ~~I.H.~~ Operators An operator of a master meter system that ~~construct~~ constructs an underground pipeline using plastic pipe, ~~will~~ shall bury the installed pipe with a ~~minimum of at least 6 inches of sandy type soil, free of any rock or debris, surrounding the pipe for bedding and shading, free of any rock or debris,~~ unless the pipe is otherwise protected ~~and as~~ approved by the Office of Pipeline Safety. Steel pipe shall be installed with ~~at least 6 inches of sandy type soil, free of any debris or materials injurious to the pipe coating, surrounding the pipe for bedding and shading, free of any debris or materials injurious to the pipe coating,~~ unless the pipe is otherwise protected ~~and as~~ approved by the Office of Pipeline Safety.
- ~~J.I.~~ Operators An operator of a master meter system that ~~construct~~ constructs an underground pipeline using plastic pipe ~~will~~ shall install the pipe with sufficient slack to allow for thermal expansion and contraction. In addition, all plastic pipe and fittings for use in an area with service temperatures above 100° F shall be marked CD, CE, CF₁ or CG as required by ASTM D2513 (~~1995e Edition and no future editions~~) (1995), incorporated by reference in ~~R14-5-202,~~ and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004 and ASTM International, 100 Barr Harbor Dr., P.O. Box C700, W. Conshohocken, PA 19428-2959, for areas where the service temperature is above 100° F.
- ~~K.J.~~ Operators An operator of a master meter gas system shall qualify welding procedures and shall ~~perform~~ ensure that welding of steel pipelines ~~is performed~~ in accordance with API Standard 1104, ~~as incorporated by reference in 49 CFR 192.7 and R14-5-202,~~ by welders qualified pursuant to API Standard 1104. Each welder must be qualified in accordance with API Standard 1104, 49 CFR 192, 192.7.
- ~~L.K.~~ An operator of a master meter system shall ensure that ~~All~~ all repair work performed on ~~an~~ existing master meter systems will comply with the provisions of ~~system complies with~~ this Article.
- L. An operator of a master meter system shall:
1. Ensure that each underground steel pipeline is protected against external corrosion with an external protective coating meeting the requirements of 49 CFR 192.461;
 2. When installing a new underground steel pipeline system, before placing the new pipeline system into service, provide a cathodic protection system designed to protect the new pipeline system in its entirety;
 3. When repairing, partially replacing, or relocating an existing underground steel pipeline system, within 45 days after completing the repair, replacement, or relocation, provide a cathodic protection system designed to protect the pipeline system; and
 4. Ensure that each cathodic protection system has a voltage of at least negative 0.85 volts direct current (-0.85Vdc) as measured using a saturated copper-copper sulfate half cell.
- M. Operators An operator of a master meter system ~~will not construct any part of a natural~~ shall ensure that no portion of an ~~underground gas or other gas system is installed closer~~ less than 8 inches ~~to~~ away from any other underground structure.
- N. Operators of a master meter system will file a Notice of Construction 30 days prior to commencement of the construction of any pipeline. The Notice will contain the following information: At least 30 days before commencing construction of any pipeline, an operator of a master meter system shall file with the Office of Pipeline Safety a Notice of Construction that includes at least the following information:
1. ~~The dates of construction~~ The dates projected for commencing and completing construction,
 2. The size and type of pipe to be used,
 3. The location of construction, and
 4. ~~The Maximum Allowable Operating Pressure (MAOP) for the new pipeline.~~
- ~~O.~~ Operators of a master meter system will perform leakage surveys at intervals not exceeding 15 months but at least once each calendar year and will survey and grade all detected leakage by the following guide — ASME Guide for Gas Transmission and Distribution Pipeline System, Guide Material, Appendix G-11-1983 (1983 Revision and no future revisions), except 4.4(e), incorporated by reference, and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004 and the ASME, Three Park Avenue, New York, NY 10016-5990. (“Should” as referenced in the guide will be interpreted to mean “shall.”) Leak detection procedures shall be approved by the Office of Pipeline Safety.
- O. An operator of a master meter system shall:
1. Perform leakage surveys at intervals not exceeding 15 months, but at least once each calendar year, using leak detection procedures approved by the Office of Pipeline Safety;
 2. Except for LPG, perform each leakage survey in accordance with ASME Guide for Gas Transmission and Distribution Pipeline System, Guide Material, Appendix G-11-1983, other than 4.4(c), as incorporated by reference in R14-5-202(O);
 3. For LPG, perform each leakage survey in accordance with ASME Guide for Gas Transmission and Distribution Pipeline System, Guide Material, Appendix G-11A-1983, as incorporated by reference in R14-5-202(O); and
 4. Repair each grade 1 leak immediately upon discovery, each grade 2 leak within 30 days of discovery, and each grade 3 leak within one year of discovery.
- P. Laboratory testing of master meter systems shall be conducted in accordance with the following:
1. ~~If an operator of a master meter system, other gas or hazardous liquid pipeline removes a portion of a failed pipeline, where the cause of the failure is unknown, as the result of an incident that requires a telephonic or written incident~~

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report under R14-5-203(B) or (C), the operator shall retain the portion that was removed and shall telephonically notify the Office of Pipeline Safety of the removal within two hours after the removal is completed. A notice made pursuant to this subsection shall include all of the following:

- a. Identity of the failed pipeline;
- b. Description and location of the failure;
- c. Date and time of the removal;
- d. Length or quantity of the removed portion;
- e. Storage location of the removed portion;
- f. Any additional information about the failure or the removal of the portion of the pipeline that failed that is requested by the Office of Pipeline Safety. An unknown failure is any failure where the cause of the failure is not observable external corrosion, third-party damage, natural or other outside forces, construction or material defect, equipment malfunction or incorrect operations; or is any failure where the Office of Pipeline Safety and the operator do not agree as to the cause of the failure.

- 2. Within 48 hours after telephonic notification pursuant to subsection (1), the Office of Pipeline Safety shall notify the operator that either:
 - a. The Office of Pipeline Safety is directing the operator to have the portion of the pipeline that was removed tested by a laboratory to determine the cause or causes of the failure.
 - b. The Office of Pipeline Safety is not directing laboratory testing and the operator may discard the portion of the pipeline that was removed. The Office of Pipeline Safety shall confirm its notification in writing.
- 3. If the Office of Pipeline Safety directs laboratory testing pursuant to subsection (2)(a):
 - a. The Office of Pipeline Safety shall:
 - i. Determine the laboratory that will do the testing pursuant to subsection (4) and the period of time within which the testing is to be completed.
 - ii. Approve the number and types of tests to be performed.
 - iii. Notify the operator of its determinations pursuant to subsections (3)(a)(i) and (ii).
 - b. The operator shall:
 - i. Notify the Office of Pipeline Safety of the number and types of tests proposed by the operator.
 - ii. Notify the Office of Pipeline Safety of the date and time of any laboratory tests at least 20 days before the tests are done.
 - iii. At the request of the Office of Pipeline Safety, ensure that a representative of the Office of Pipeline Safety is permitted to observe any or all of the tests.
 - iv. Ensure that the original laboratory test results are provided to the Office of Pipeline Safety within 30 days of the completion of the tests.
 - v. Pay for the laboratory testing.
- 4. In determining a laboratory pursuant to subsection (3)(a)(i), the Office of Pipeline Safety shall:
 - a. Submit a written request to at least three different laboratories for bids to conduct the testing.
 - b. Consider the qualifications of the respondent laboratories to perform the testing, including:
 - i. Past experience in performing the required test or tests according to ASTM International standards.
 - ii. Any recognition that the laboratory may demonstrate with national or international laboratory accreditation bodies.
 - c. Select the laboratory that offers the optimum balance between cost and demonstrated ability to perform the required test or tests.
 - d. The Office of Pipeline Safety shall not select a laboratory pursuant to this subsection before either of the following, whichever occurs first:
 - i. The Office of Pipeline Safety has received written bids from at least three different laboratories.
 - ii. Thirty days from the date of the request for bids has passed.

P. In the event of an unknown failure of a gas pipeline resulting in a master meter operator's being required to provide a report under subsection (Q) and in the operator's removing a portion of the failed pipeline, the following shall occur:

- 1. The operator shall retain the portion of failed pipeline that was removed;
- 2. The operator shall telephonically notify the Office of Pipeline Safety of the removal within two hours after the removal is completed, providing the following information:
 - a. Identity of the failed pipeline.
 - b. Description and location of the failure.
 - c. Date and time of the removal.
 - d. Length or quantity of the removed portion.
 - e. Storage location of the removed portion, and
 - f. Any additional information about the failure or the removal of the portion of the failed pipeline that is requested by the Office of Pipeline Safety;
- 3. Within 48 hours after receiving telephonic notification pursuant to subsection (Q)(2), the Office of Pipeline Safety

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shall:

- a. Determine, based on the information provided by the operator and the availability, adequacy, and reliability of any pipeline testing laboratory operated by the operator, whether it is necessary to have the removed portion of pipeline tested at an independent laboratory; and
 - b. Telephonically notify the operator either:
 - i. That the operator must have the removed portion of pipeline tested, in accordance with Office of Pipeline Safety directions, by an independent laboratory selected by the Office of Pipeline Safety as provided in subsection (P)(6), to determine the cause or causes of the failure; or
 - ii. That the operator is not required to have the removed portion of pipeline tested by an independent laboratory and instead must conduct testing in its own pipeline testing laboratory, after which the operator may discard the removed portion of pipeline;
4. After providing telephonic notice as provided in subsection (P)(3)(b), the Office of Pipeline Safety shall confirm its notification in writing;
 5. If the Office of Pipeline Safety directs testing by an independent laboratory:
 - a. The Office of Pipeline Safety shall:
 - i. Determine, as provided in subsection (P)(6), the independent laboratory that will do the testing and the period of time within which the testing is to be completed;
 - ii. Determine, based on the available information concerning the failure, the number and types of tests to be performed on the removed pipeline; and
 - iii. Notify the operator of its determinations;
 - b. The operator shall:
 - i. Contact the selected independent laboratory to arrange the scheduling of the required tests;
 - ii. Notify the Office of Pipeline Safety, at least 20 days before the date of the tests, of the date and time scheduled for the laboratory tests;
 - iii. At the request of the Office of Pipeline Safety, ensure that a representative of the Office of Pipeline Safety is permitted to observe any or all of the tests;
 - iv. Ensure that the original test results are provided to the Office of Pipeline Safety by the independent laboratory within 30 days after the tests are completed; and
 - v. Pay for the independent laboratory testing; and
 6. In determining an independent laboratory to perform testing required under subsection (P), the Office of Pipeline Safety shall:
 - a. Submit to at least three different independent laboratories written requests for bids to conduct the testing;
 - b. Consider each responding laboratory's qualifications to perform the testing, as demonstrated by:
 - i. Past experience in performing the required test or tests according to ASTM International standards; and
 - ii. Any recognition that a laboratory may have received from a national or international laboratory accreditation body, such as through a certification or accreditation process;
 - c. Wait to select an independent laboratory until:
 - i. The Office of Pipeline Safety has received written bids from at least three different independent laboratories;
or
 - ii. Thirty days have passed since the date of the request for bids, whichever comes sooner; and
 - d. Select the independent laboratory that offers the optimum balance between cost and demonstrated ability to perform the required test or tests.
- Q.** Operators of a master meter system will file an annual report with the Commission on Commission Form MM-04, "Annual Report for Calendar Year 20___, Small Operators of Gas Distribution System," incorporated by reference, and copies available from the Office of Pipeline Safety, 2200 N. Central Ave., Ste. 300, Phoenix, AZ 85004. This report will be filed with the Office of Pipeline Safety not later than April 15 for the preceding calendar year.
- Q.** An operator of a master meter system shall:
1. Telephonically notify the Office of Pipeline Safety, at (602) 262-5601 during normal working hours or at (602) 252-4449 at all other times, at the earliest practicable moment following discovery of any of the following:
 - a. An event involving a release of gas from a pipeline, along with any of the following:
 - i. A death or personal injury requiring hospitalization;
 - ii. Injury to any individual resulting in the individual's loss of consciousness;
 - iii. Estimated property damage, including the value of all released gas, in excess of \$5,000;
 - iv. Unintentional estimated gas loss of 3 million cubic feet or more;
 - v. An explosion or fire not intentionally set by the operator;
 - vi. A news media inquiry;
 - vii. An evacuation; or
 - viii. An outage;
 - b. An event involving overpressure of a pipeline system where a pipeline operating at less than 12 PSIG exceeds

- MAOP by 50%, where a pipeline operating between 12 PSIG and 60 PSIG exceeds MAOP by 6 PSIG, or where a pipeline operating over 60 PSIG exceeds MAOP plus 10%;
- c. An event involving permanent or temporary discontinuance of service to a master meter system or any portion of a master meter system due to a failure of a leak test; or
 - d. An event that is significant, in the judgment of the operator, even though it does not meet any of the criteria listed in subsections (Q)(1)(a) through (c);
- 2. Include the following information in a telephonic report under subsection (Q)(1):
 - a. The names of the operator and the person making the report;
 - b. The job title of the person making the report;
 - c. The telephone numbers of the operator and the person making the report;
 - d. A description of the type and location of the event;
 - e. The time of the event;
 - f. The number of fatalities and personal injuries, if any; and
 - g. All other significant facts that are known by the operator and are relevant to the cause of the event or the extent of the damages; and
 - 3. Not later than April 15 of each year, submit to the Office of Pipeline Safety an annual report for the prior calendar year, completed on Commission Form MM-04: "Annual Report for Calendar Year 20___, Small Operators of Gas Distribution System," which is included herein as Exhibit A.
- R. The Commission may waive compliance with any of the ~~forementioned parts~~ requirements of this Section upon a finding that such a waiver is in the interest of public and pipeline safety.
 - S. To ensure compliance with all applicable provisions of this ~~rule~~ Article, the Commission or an authorized representative thereof, may enter the premises of an operator of a master meter system to inspect and investigate the property, books, papers, electronic files, business methods, and affairs that pertain to the operation of the master meter system.
 - ~~T. All other Commission administrative rules are superseded to the extent they are in conflict with the pipeline safety provisions of this Article.~~

See top of next page for Exhibit A

Arizona Administrative Register / Secretary of State
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EXHIBIT A

ARIZONA CORPORATION COMMISSION PIPELINE SAFETY
 TO BE FILED NO SOONER THAN JANUARY 1, 2013 AND NO LATER THAN APRIL 15, 2013

<u>FACILITY INFORMATION</u>		<u>OPERATOR/OWNER</u>	
NAME OF FACILITY _____		NAME _____	
ADDRESS OF FACILITY _____		ADDRESS _____	
CITY _____	COUNTY _____	CITY _____	
STATE _____	ZIP CODE _____	STATE _____	ZIP CODE _____
FACILITY E-MAIL ADDRESS _____		OPERATOR E-MAIL ADDRESS _____	
AREA CODE _____	TELEPHONE _____	AREA CODE _____	TELEPHONE _____
FACILITY TYPE: MHP ____ APT/CONDO ____ SCHOOL ____ BUSINESS ____ # OF BLDG ____			
SYSTEM INFORMATION		FEET OF PIPE	FOR UNDERGROUND STEEL SYSTEMS DATE OF LAST C/P CHECK IN 2012 ____ / ____ / ____ <small>(If no tests were conducted in 2012, please write "None Conducted")</small>
UNDERGROUND STEEL PIPE			DATE OF LEAK SURVEY CONDUCTED IN 2012 ____ / ____ / ____ <small>(If no tests were conducted in 2012, please write "None Conducted")</small>
ABOVEGROUND STEEL PIPE			
UNDERGROUND PE PLASTIC PIPE			TOTAL LEAKS IN SYSTEM DURING LAST CAL. YEAR _____ CAUSE: CORROSION _____ THIRD PARTY DAMAGE _____ CONSTRUCTION DEFECT _____ MATERIAL DEFECT _____ OTHER _____ NUMBER OF KNOWN LEAKS AT END OF YEAR _____
UNDERGROUND PVC PLASTIC PIPE			
TOTAL FEET OF PIPE IN SYSTEM			
NOTE: (if you have any comments or concerns, please note in this box)			
PREPARED BY (TYPE OR PRINT) _____		AREA CODE _____	TELEPHONE _____
NAME AND TITLE PERSON SIGNING _____		AUTHORIZED SIGNATURE _____	

MAIL TO: 2200 N. Central Ave., Suite #300, Phoenix, Arizona 85004
 FAX TO: (602) 262-5620 – OR EMAIL TO: safety@azcc.gov

MM-04

WILL NOT
BE
DELIVERED
WITHOUT
PROPER
POSTAGE

**ARIZONA CORPORATION COMMISSION
OFFICE OF PIPELINE SAFETY – GAS SAFETY PROGRAM
2200 NORTH CENTRAL AVENUE, SUITE #300
PHOENIX, ARIZONA 85004**

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