

FIGURE 2. BODY BLOCK FOR LAP BELT
BISPHERICAL HEADFORM RADI

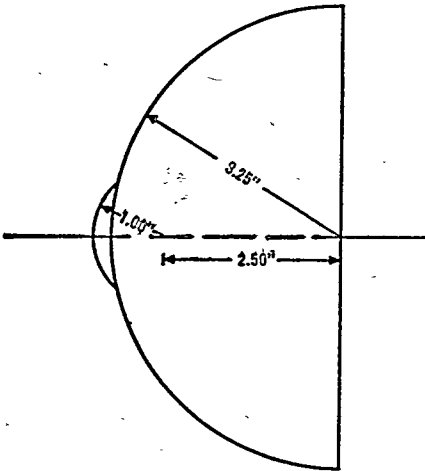


FIGURE 3

[FR Doc. 74-17112 Filed 7-23-74; 2:09 pm]

Office of Pipeline Safety
[49 CFR Parts 192, 195]

[Docket No. OPS-25; Notice No. 74-5]

TRANSPORTATION OF NATURAL AND OTHER GAS AND HAZARDOUS LIQUIDS BY PIPELINE

Welding Requirements

On April 16, 1974, the Director, Office of Pipeline Safety (OPS), issued Notice 74-3 (39 FR 14220, April 22, 1974), proposing to amend Parts 192 and 195 by incorporating by reference sections 2.0, 3.0, and 6.0 of the 1971 (12th) edition of API Standard 1104 "Standard for Welding Pipe Lines and Related Facilities." The notice also proposed certain changes in the regulations that would be necessary if the 12th edition were incorporated by reference, as well as editorial modifications for clarity.

Notice 74-3 invited interested persons to comment on the proposed rulemaking by submitting written data, views, or arguments by June 3, 1974. Sixteen persons submitted written comments. Most commenters favored adoption of the proposed rule change. Six commenters,

however, urged OPS to change the regulations by referencing the 1973 (13th) edition of API Standard 1104 instead of the 12th edition. One reason propounded for referencing the 13th edition rather than the 12th is that the 12th edition is now out of print and no longer available to operators from the publisher, American Petroleum Institute.

Section 552(a) of Title 5, United States Code, requires each Federal agency to publish its substantive rules of general applicability in the Federal Register. Where a substantive rule involves matter incorporated by reference, this section further requires that to satisfy the publication requirement, the matter must be reasonably available to the class of persons affected by the rule. Even though operators and carriers may have or be able to obtain a copy of the 12th edition of API Standard 1104, OPS doubts whether the 12th edition is "reasonably available" as required by section 552(a) and eligible for incorporation by reference. For this reason, Notice 74-3 is hereby withdrawn. Amended regulations involving incorporation by reference of sections 2.0, 3.0, and 6.0 of the 13th edition of API Standard 1104 are proposed in Docket No. OPS-25. Also, OPS is proposing certain editorial modifications for clarity and changes considered necessary to make the transition from the currently referenced 11th edition to the 13th edition less burdensome for operators and carriers.

The welding specifications in sections 2.0, 3.0, and 6.0 of the 1968 (11th) edition of API Standard 1104 are currently incorporated by reference in Part 192. Sections 3.0 and 6.0 are incorporated by reference in Part 195. Unlike the 12th edition, the 13th edition of API Standard 1104 contains a number of significant changes to specifications in sections 2.0 and 6.0 of the 11th edition. Other changes to the currently referenced sections clarify content and scope.

In the 13th edition, section 2.1 is changed by listing criteria for the requirement that welds must have "suitable mechanical properties" to qualify a welding procedure. Criteria such as hardness and yield strength are not included in the 11th edition. Section 2.4 is changed by the addition of a requirement of qualifying separate welding procedures for each grade of pipe with specified minimum yield strength (SMYS) equal to or greater than 60,000 psi. The 11th edition only sets forth a requirement for qualifying separate welding procedures for pipe grades with SMYS less than or equal to 42,000 psi and for pipe grades with SMYS more than 42,000 psi. Also in section 2.4, the 13th edition deletes the requirement for requalifying a welding procedure when pipe diameter or the size of weld filler metal is changed. Under section 2.623, where a tensile test specimen used in qualifying a welding procedure breaks outside the weld and fusion zone, the acceptability of the test is based on a minimum strength of 100 percent of SMYS at failure instead of 95 percent of SMYS as in the 11th edition.

Section 6.0 in the 13th edition is changed to prescribe acceptable limits for the weld defect "internal concavity," and to prescribe a standard for repair of the defect "burn-through." The standard of acceptability for the defect "undercutting" has been revised substantially. As stated in the 13th edition: "Undercutting is the burning away of the side walls of the welding groove at the edge of a layer of weld metal, or the reduction in the thickness of the pipe wall adjacent to the weld and where it is fused to the surface of the pipe." Unlike previous editions, the 13th edition includes depth of an internal undercut area as one of the criteria for determining whether a weld is acceptable. Using radiography, depth is determined by comparing the density of a defect with the density of an object of known thickness. Different densities on radiographic film show up as different shades of black or grey. A comparative shim has been developed on which narrow V-shaped notches of specified depth are machined. When compared on a radiograph, the shade of the image of the narrow V-shaped notches in this shim and the shade of the image of an undercut area of weld will show if the depth of the undercut is within acceptable limits.

The OPS believes there may be difficulty in accurately comparing the images of the notches with the images of an undercut area on a radiograph. If so, welds with unacceptable undercuts could pass inspection and sound welds might be rejected. In light of this difficulty, commenters should pay special attention to the 13th edition's inclusion of depth as a standard of acceptability for "undercutting." OPS requests persons to comment on their experience in using the shim to measure depth. OPS is especially interested in receiving comments on the adequacy of the standard for acceptability of "undercutting" in the 13th edition.

With the possible exception of the change to section 6.0 involving depth of "undercutting," as discussed above, OPS believes that the changes in the 13th edition will result in better field welding practices than the 11th edition and will improve the quality of welds and welding. Deletion in the 13th edition of certain criteria governing requalification of procedures under section 2.4 should not affect weld quality.

As similarly stated in Notice 74-3 with respect to the 12th edition, OPS recognizes that outright replacement of the 11th edition by the 13th edition could result in a hardship for welders qualified under §§ 192.227 and 195.222 in accordance with the 11th edition. These welders would have to requalify in accordance with the 13th edition. A similar burden would be placed on operators who would have to requalify their existing welding procedures under § 192.225 in accordance with the 13th edition. The OPS does not believe that requalifications are justified on the basis of changes contained in the 13th edition. Consequently, the proposed amendments recognize the

PROPOSED RULES

soundness of welding procedures and welders qualified under the 11th edition. The proposal would require, however, that after the amendments become effective the 13th edition be used when welding procedures qualified under the 11th edition are changed and requalified, new welders are qualified, or welders qualified under the 11th edition are requalified. Likewise, the acceptability of welds made after the effective date of the proposed amendments would be based on the 13th edition.

In consideration of the foregoing, the OPS proposes to amend Parts 192 and 195 of Title 49 of the Code of Federal Regulations as follows:

1. Section 192.225(a) would be amended to read as follows:

§ 192.225 Qualification of welding procedures.

(a) Each welding procedure must be qualified under section IX of the ASME Boiler and Pressure Vessel Code or section 2 of the 1973 edition of API Standard 1104, whichever is appropriate to the function of the weld, except that a welding procedure qualified under section 2 of the 1968 edition of API Standard 1104 before (effective date) may continue to be used but may not be requalified under that edition.

2. Section 192.227(a)(2) would be amended to read as follows:

§ 192.227 Qualification of welders.

(2) Section 3 of the 1973 edition of API Standard 1104 or, if qualified before (effective date), section 3 of the 1968 edition of API Standard 1104, except that a welder may not requalify under the 1968 edition.

3. Section 192.229(c) would be amended to read as follows:

§ 192.229 Limitations on welders.

(c) A welder qualified under § 192.227 (a) may not weld unless within the preceding 6 calendar months the welder has had one weld tested and found acceptable under section 3 or 6 of the 1973 edition of API Standard 1104 or, in the case of tests conducted before (effective date), section 3 or 6 of the 1968 edition of API Standard 1104.

4. Section 192.241(c) would be amended to read as follows:

§ 192.241 Inspection and test of welds.

(c) The acceptability of a weld that is nondestructively tested or visually inspected is determined according to the standards in section 6 of the 1973 edition of API Standard 1104.

5. Item II.A.8 of Appendix A of Part 192 would be amended to read as follows:

APPENDIX A—INCORPORATED BY REFERENCE

II. Documents incorporated by reference.
A. American Petroleum Institute:

8. API Standard 1104 "Standard for Welding Pipe Lines and Related Facilities" (1968 and 1973 editions).

6. Section 195.222 would be amended to read as follows:

§ 195.222 Welders: Testing.

Each welder must be qualified in accordance with section 3 of the 1973 edition of API Standard 1104 or, if qualified before (effective date), in accordance with section 3 of the 1968 edition of API Standard 1104, except that a welder may not requalify under the 1968 edition.

7. In the table of contents, the heading of § 195.228 is revised and § 195.228 is amended to read as follows:

Sec.
195.228 Welds and welding inspection:
Standards of acceptability.

§ 195.228 Welds and welding inspection: Standards of acceptability.

Each weld and welding must be inspected to ensure compliance with the requirements of this subpart. Visual inspection must be supplemented by non-destructive testing. The acceptability of a weld is determined according to the standards in section 6 of the 1973 edition of API Standard 1104.

Interested persons are invited to participate in this rulemaking action by submitting such written data, views, or arguments as they may desire. Communications should identify the regulatory docket and notice numbers and be submitted in duplicate to the Director, Office of Pipeline Safety, Department of Transportation, Washington, D.C. 20590. Because persons interested in this proceeding previously were given an opportunity to comment on proposed rule changes similar to the ones proposed herein, OPS believes that a lengthy period for comment on this notice is unnecessary and that a short period is in the public interest. Consequently, all communications received by August 21, 1974, will be considered by the Director before taking final action on the notice. All comments will be available for examination by interested persons at the Office of Pipeline Safety before and after the closing date for comments. The proposal contained in this notice may be changed in the light of comments received.

This notice is issued under the authority of section 3 of the Natural Gas Pipeline Safety Act of 1968 (49 U.S.C. 1672), sections 831-835 of Title 18, United States Code, section 6(e)(4) of the Department of Transportation Act (49 U.S.C. 1655(e)(4)), § 1.58(d) of the regulations of the Office of the Secretary of Transportation (49 CFR 1.58(d)), and the redelegation of authority to the

Director, Office of Pipeline Safety, set forth in Appendix A to Part 1 of the regulations of the Office of the Secretary of Transportation (49 CFR Part 1).

Issued in Washington, D.C., on July 24, 1974.

JOSEPH C. CALDWELL,
Director, Office of
Pipeline Safety.

[FR Doc.74-17317 Filed 7-20-74;8:46 am]

**FEDERAL COMMUNICATIONS
COMMISSION**

[47 CFR Part 97]

[Docket No. 20111; FCC 74-786]

AMATEUR RADIO SERVICE

**Authorization of Commemorative
Stations**

In the matter of authorization of commemorative stations in the Amateur Radio Service, Docket No. 20111.

1. Notice of proposed rulemaking in the above captioned matter is hereby given.

2. The Commission in this action is proposing to adopt rules which will liberalize and clearly delineate the provisions under which amateur operators may obtain a commemorative station license. Under the present rules and policies, a special event authorization is issued only when an applicant can show the event is of general public interest of at least a statewide basis. Many applicants have been unable to meet this criteria even though the event may have been very significant to a particular group of people.

3. To alleviate this problem, our proposed rules would establish a new class of amateur station, i.e., commemorative station, which would be issued for any celebration that is either unique, distinct and of general interest to the public or amateur operators. The primary purpose of this station would be to bring public notice to the Amateur Radio Service by allowing an amateur station with a distinctive call sign to be operated at an event or celebration so as to help attract more contacts.

4. The specific licensing requirements for a commemorative station are set forth below in § 97.41. Essentially stated, an Amateur Extra or Advanced Class licensee will be allowed to file an application in letter form for a commemorative station, giving the details of the authorization desired. While our proposed rules would permit the use of multiple transmitters at a station, portable or mobile operations would be prohibited. A commemorative station will not be licensed for any amateur operating contest.

5. The effect of our proposed rules is to remove authorizations for commemorative stations from the category of Special Temporary Authorization. Under our proposed rules, they would constitute a formal class of amateur station and thus