

**NATURAL GAS  
PART 192**

**GAS PIPELINE TRANSMISSION  
OPERATION AND MAINTENANCE  
MANUAL**

**Subpart F**

**Joining of Materials Other Than by Welding**

**§ 192.271**     **Scope**

- (a) This subpart prescribes minimum requirement for joining materials in pipelines, other than by welding.
- (b) This subpart does not apply to joining during the manufacture of pipe or pipeline components.

**§ 192.273**     **General**

- (a) The pipeline must be designed and installed so that each joint will sustain the longitudinal pullout or thrust forces caused by contraction or expansion of the piping or by anticipated external or internal loading.
- (b) Each joint must be made in accordance with written procedures that have been proved by test or experience to produce strong gas tight joints.
- (c) Each joint must be inspected to insure compliance with this subpart.

Approved: Signature on file     Date:             
                    Manager, Safety, Health, and Environmental

Approved: Signature on file     Date:             
                    Environmental Manager

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**§ 192.275      Cast Iron Pipe**

NOT APPLICABLE. ESI DOES NOT UTILIZE CAST IRON PIPE IN DOT PIPELINES.

**§ 192.277      Ductile Iron Pipe**

NOT APPLICABLE. ESI DOES NOT UTILIZE DUCTILE IRON PIPE IN DOT PIPELINES.

**§ 192.279      Copper Pipe**

NOT APPLICABLE. ESI DOES NOT UTILIZE COPPER PIPE IN DOT PIPELINES.

**§ 192.281      Plastic Pipe**

NOT APPLICABLE. ESI DOES NOT UTILIZE PLASTIC PIPE IN DOT PIPELINES.

**§ 192.283      Plastic Pipe; Qualifying Joining Procedures**

NOT APPLICABLE. ESI DOES NOT UTILIZE PLASTIC PIPE IN DOT PIPELINES.

**§ 192.285      Plastic Pipe; Qualifying Persons to Make Joints**

NOT APPLICABLE. ESI DOES NOT UTILIZE PLASTIC PIPE IN DOT PIPELINES.

**§ 192.287      Plastic Pipe; Inspection of Joints**

NOT APPLICABLE. ESI DOES NOT UTILIZE PLASTIC PIPE IN DOT PIPELINES.

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**ENGINEERING SERVICES LP**

**HOUSTON, TEXAS**

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