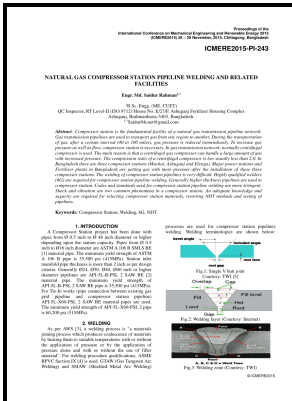


Rules for inspection and tests of welds in pressure pipelines.

Associated Offices - By



Description: -

-Rules for inspection and tests of welds in pressure pipelines.

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Notes: Previous ed.1955.

This edition was published in 1966



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Non Destructive Testing

The pressure shall then be increased gradually to 50 percent of the test pressure.

Testing and Inspection of Welds

The penetrant is drawn into the surface opening by capillary action.

Pipe Inspection,Testing & Marking Requirements to Ensure Pipe Quality

It is the final check of mechanical integrity of the whole system and should be followed religiously as after this activity the piping system has to be commissioned. This has been a topic of discussion around the office for the last couple of days, and needs to be put to rest.

By

The test pressure shall be operating pressure of the system. Of course this is on ID's that are tricky to access.

Testing and Inspection of Welds

The owner of the facility, as defined in ASME B31 codes. If for justifiable safety reasons the line must be back-filled, then the joints shall remain exposed during testing.

Pipe Inspection,Testing & Marking Requirements to Ensure Pipe Quality

The test specimen coupon may be taken from a completed joint in a welded structure or from a test piece welded at the same conditions. When this is not available a utility air source supplied by a non lubricated compressor may be used.

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The stored energy PV level shall be determined by multiplying the pneumatic test pressure, in kPa, by the volume, in cubic meters, of the proposed test system. The crystal probe becomes the source of ultrasonic mechanical vibrations. Unless someone comes on here and throws a wrench in the gears.

Testing and Inspection of Welds

Generally, the thumb rule is that 1 mm per meter is acceptable. Under no circumstances should anyone other than an authorised person be allowed within the safety barriers. Rather, it is a connection between new components.

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