

# NEW API 5L 46TH EDITION RELEASED

## SPECIFICATION FOR LINE PIPE EFFECTIVE MAY 1, 2019

**T**he new API Specification 5L 46th Edition and Errata 1 – Specification for Line Pipe – was released April 2018 and will go into effect May 1, 2019. Errata 1 is dated May 2018. The standard specifies requirements for the manufacture of two product specification levels (PSL 1 and PSL 2) of seamless and welded steel pipe for use in pipeline transportation systems in the petroleum and natural gas industries.

The new API Specification strengthens quality standards, reduces potential for non-conforming pipe and provide improved tools for communication between manufacturers and purchasers.

### KEY CHANGES SINCE THE 45TH EDITION INCLUDE:

- Annex A was added for addressing API Monogram Program, similar to API 5CT. Old Annex A (joints) moved to Annex M.
- Requirements for Conformity was moved to Section 4, and requirements for Compliance to this Specification was relocated to Section 5.
- Pipe End Straightness Para. 9.11.3.4b and Fig. 2 defines changes to how straightness is measured and added new tolerance [0.125"] over last 5'. Previously, tolerance was 0.156" over last 4'.
- New Para. 9.12.6 and revised Fig 3 add new definition and instructions on end squareness, but tolerance remains the same.
- Impact samples are defined in Para. 10.2.3.3. Sample size, orientation and locations are shown in Table 22. Table 22 values have been recalculated. No change to sample dimensions, just to determination of largest sample size attainable from given pipe OD.
- Annex H (Sour Service) and Annex J (Offshore) revised to add Figure H.1.d and J.1.d. which establishes location of hardness test impressions for ERW FBN and ERW Q&T pipe.
- Annex N added (new) for PSL2 pipe ordered for applications requiring longitudinal plastic strain capacity.
- Errata 1 corrected erroneous values in Table 22.

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