



PROCESS
INDUSTRY
PRACTICES

COMPLETE REVISION
September 2022

Pipeline Systems

PIP PLSC0014
Backfilling of ASME B31.4 and B31.8
Metallic & Nonmetallic Pipelines

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PURPOSE AND USE OF PROCESS INDUSTRY PRACTICES

In an effort to minimize the cost of process industry facilities, this Practice has been prepared from the technical requirements in the existing standards of major industrial users, contractors, or standards organizations. By harmonizing these technical requirements into a single set of Practices, administrative, application, and engineering costs to both the purchaser and the manufacturer should be reduced. While this Practice is expected to incorporate the majority of requirements of most users, individual applications may involve requirements that will be appended to and take precedence over this Practice. Determinations concerning fitness for purpose and particular matters or application of the Practice to particular project or engineering situations should not be made solely on information contained in these materials. The use of trade names from time to time should not be viewed as an expression of preference but rather recognized as normal usage in the trade. Other brands having the same specifications are equally correct and may be substituted for those named. All Practices or guidelines are intended to be consistent with applicable laws and regulations including OSHA requirements. To the extent these Practices or guidelines should conflict with OSHA or other applicable laws or regulations, such laws or regulations must be followed. Consult an appropriate professional before applying or acting on any material contained in or suggested by the Practice.

This Practice is subject to revision at any time.

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PRINTING HISTORY

February 2017 Issued
January 2018 Editorial Revision

September 2022 Complete Revision

Not printed with State funds



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Table of Contents

| | |
|----------------------------------|----------|
| 1. Scope | 2 |
| 2. References | 2 |
| Process Industry Practices | 2 |
| 3. Definitions | 2 |
| 4. Requirements | 2 |
| 4.1 Lowering-In Piping | 2 |
| 4.2 Tie-Ins | 5 |
| 4.3 Backfilling | 6 |

1. Scope

This Practice provides requirements for lowering-in pipe and fittings, making final tie-ins and inspections, and backfilling for steel and nonmetallic pipes for pipelines.

2. References

Applicable parts of the following Practices shall be considered an integral part of this Practice. The edition in effect on the date of contract award shall be used, except as otherwise noted. Short titles are used herein where appropriate. Code section references below are specific to the code editions in effect at the issuance of this Practice.

Process Industry Practices (PIP)

- PIP CTSU1000 - *Application of Underground Coatings*
- PIP PLSC0011 - *Trenching and Excavation of ASME B31.4 and B31.8 Metallic & Nonmetallic Pipelines*
- PLSC0012 - *Stringing of Pipelines*
- PIP PLSC0013 - *Non-Destructive Examination of ASME B31.4 and B31.8 Metallic Piping*

3. Definitions

owner/operator: Organization that exercises control over the operation, engineering, inspection, repair, alteration, pressure testing, and rating of pipeline systems

purchaser: Party who awards the contract to the supplier. The purchaser may be the owner or the owner's authorized agent.

supplier: Party responsible for providing installation of piping

4. Requirements

4.1 Lowering-in Piping

4.1.1 Inspection

- 4.1.1.1 Before lowering-in of piping is started:
 - a. Pipe joint welds shall be non-destructively examined and accepted.
 - b. All coating shall be permitted to cure properly in accordance with manufacturer's specifications.
 - c. All steel pipe coating shall be tested for holidays.
- 4.1.1.2 If any defects are found in the welds or coatings, proper repairs must be made prior to lowering-in the pipe.