



PROCESS
INDUSTRY
PRACTICES

April 2021

Pipeline Systems

PIP PLE00007
Pig Trap Design Guideline

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Table of Contents

1. Scope	2
2. References	2
2.1 Process Industry Practices	2
2.2 Industry Codes and Standards	2
3. Definitions	3
4. Requirements	3
4.1 General	3
4.2 Design	4
4.3 Materials	13
4.4 Easement/Site Security	17
Appendix A - Typical Trap Layout (For illustration only)	18
Appendix B - Example of Operating Practices	20
Appendix C - Pig Related Slugging	24

1. Scope

The purpose of this document is to provide guidance for the design and installation, maintenance, and operation of in-service pipeline pigging facilities. A pigging facility permits the operator to run pipeline pigs for corrosion control, in-line inspection, and flow assurance programs.

This engineering practice covers the design and installation of in-service pipeline pigging facilities for all new and existing pipelines. If there are conflicts between this specification, Owner's requirements, Industry standards and regulatory requirement, the most stringent requirements shall apply.

This practice does not apply to temporary construction launchers/receivers or launchers/receivers for offshore use.

The installation of "temporary" pig traps shall be performed under the control of a MCC process that includes operations, engineering and safety design reviews.

2. References

Applicable parts of the following industry codes and standards 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.

2.1 Process Industry Practices (PIP)

- PIP CTSU1000 - *Application of Underground Coatings*
- PIP PLE00005 - *Pipeline System Pends*
- PIP PLSMV006 - *Carbon Steel Ball Valve Descriptions*

2.2 Industry Codes and Standards

- American Petroleum Institute (API)
 - API 607 - *Specification for Pipeline and Piping Valves*
 - API 621 - *Pressure-Relieving and Depressuring Systems*
 - API 1104 - *Welding of Pipelines and Related Facilities*
- The American Society of Mechanical Engineers (ASME)
 - ASME B31.3 - *Process Piping*
 - ASME B31.4 - *Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids*
 - ASME B31.8 - *Gas Transmission and Distribution Piping Systems*
 - ASME Boiler and Pressure Vessel Code VIII - *Rules for Construction of Pressure Vessels*