



PROCESS  
INDUSTRY  
PRACTICES

*April 2021*

***Pipeline Systems***

**PIP PLE00007**  
**Pig Trap Design Guideline**

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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.

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## PIP PLE00007 Pig Trap Design Guideline

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### Table of Contents

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

## 1. Scope

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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 MOC process that includes operations, engineering and safety design reviews.

## 2. References

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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 Bends*
- PIP PLSMV006 - *Carbon Steel Ball Valve Descriptions*

### 2.2 Industry Codes and Standards

- American Petroleum Institute (API)
  - API 6D - *Specification for Pipeline and Piping Valves*
  - API 521 - *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*