



PROCESS  
INDUSTRY  
PRACTICES

REAFFIRMATION  
May 2018

***Pipeline Systems***

**PIP PLCM0001**  
**Pipeline Systems Nomenclature**

---

## 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.

© Process Industry Practices (PIP), Construction Industry Institute, The University of Texas at Austin, 3925 West Braker Lane (R4500), Austin, Texas 78759. PIP Member Companies and Subscribers may copy this Practice for their internal use. Changes or modifications of any kind are not permitted within any PIP Practice without the express written authorization of PIP. Authorized Users may attach addenda or overlays to clearly indicate modifications or exceptions to specific sections of PIP Practices. Authorized Users may provide their clients, suppliers and contractors with copies of the Practice solely for Authorized Users' purposes. These purposes include but are not limited to the procurement process (e.g., as attachments to requests for quotation/ purchase orders or requests for proposals/contracts) and preparation and issue of design engineering deliverables for use on a specific project by Authorized User's client. PIP's copyright notices must be clearly indicated and unequivocally incorporated in documents where an Authorized User desires to provide any third party with copies of the Practice.

### **PRINTING HISTORY**

*October 2013*    *Issued*

*May 2018*        *Reaffirmation*

Not printed with State funds



# PIP PLCM0001 Pipeline Systems Nomenclature

## Table of Contents

<b>1. Scope .....</b>	<b>3</b>	<b>10. Related Documents and</b>	<b>10</b>
<b>2. Requirements .....</b>	<b>3</b>	<b>References .....</b>	<b>10</b>
2.1 General .....	3	<b>1. Scope .....</b>	<b>12</b>
2.2 Field Definitions .....	3	<b>2. Design .....</b>	<b>12</b>
2.3 Example Designation .....	6	<b>3. Materials .....</b>	<b>12</b>
2.4 Standard Notes .....	6	<b>4. Valves .....</b>	<b>12</b>
2.5 Cover Sheet/Addendum Form .....	7	<b>5. Fabrication, Assembly, and</b>	<b>12</b>
<b>1. Scope .....</b>	<b>10</b>	<b>Erection .....</b>	<b>12</b>
<b>2. Design .....</b>	<b>10</b>	<b>6. Inspection, Examination, and</b>	<b>12</b>
<b>3. Materials .....</b>	<b>10</b>	<b>Testing .....</b>	<b>12</b>
<b>4. Valves .....</b>	<b>10</b>	<b>7. Cleaning .....</b>	<b>12</b>
<b>5. Fabrication, Assembly, and</b>	<b>10</b>	<b>8. Other Modifications .....</b>	<b>12</b>
<b>Erection .....</b>	<b>10</b>	<b>9. Notes .....</b>	<b>12</b>
<b>6. Inspection, Examination, and</b>	<b>10</b>	<b>10. Related Documents and</b>	<b>12</b>
<b>Testing .....</b>	<b>10</b>	<b>References .....</b>	<b>12</b>
<b>7. Cleaning .....</b>	<b>10</b>		
<b>8. Other Modifications .....</b>	<b>10</b>		
<b>9. Notes .....</b>	<b>10</b>		

## **Appendixes**

- Appendix A - Cover Sheet/Addendum Form
- Appendix B - Sample Cover Sheet
- Appendix C - Sample Addendum
- Appendix D - Pipeline Systems
  - Nomenclature System Summary Sheet

## 1. Scope

---

This Practice provides the nomenclature procedure for identifying PIP pipeline systems. This Practice describes the arrangement of the line designators for PIP pipeline systems and the requirements for each field within a designation. Designation requirements are provided for both PIP-developed and owner-developed pipeline systems. A one-page summary of the PIP pipeline systems nomenclature specified in this Practice is provided in Appendix D.

## 2. Requirements

---

### 2.1 General

2.1.1 The pipeline systems line nomenclature shall consist of seven alternating alphanumeric fields containing one or two characters each (maximum of eleven characters). The first six fields are mandatory while the seventh is optional. For convenience the designation “PL” for pipeline systems, which is placed at the beginning of a Practice number, is not included in the field definitions furnished in this Practice.

2.1.2 Each field shall describe a different feature of a pipeline systems line class.

### 2.2 Field Definitions

#### 2.2.1 First Field (1 Alpha Character) – Piping Code

The first field shall define the applicable piping code. The piping code field shall consist of one alphabetic character in accordance with the following list:

- a. W = ASME B31.4
- b. X = ASME B31.8
- c. Y = DOT-192
- d. Z = DOT-195

#### 2.2.2 Second Field (1 or 2 Numeric Characters) – Flange Class

2.2.2.1 The second field shall define the flange class.

2.2.2.2 The flange class field shall consist of one or two numeric characters in accordance with Table 1.

#### 2.2.3 Third Field (2 Alpha Characters) – Pipeline Material

2.2.3.1 The third field shall define the nominal pipeline material.

2.2.3.2 The nominal pipeline material field shall consist of two alphabetic characters in accordance with Table 2.