

General Conditions

STD.8701

Scope

- (1) This standard provides Enterprise Products Company (Company) pipelines and related facilities installation requirements. The requirements shall apply to the fabrication, testing, painting, coating, handling, transportation, and installation of pipelines and related facilities by Company forces, or by other parties constructing to Enterprise Standards and Specifications. Construction and installation shall comply with all applicable federal, state, and local requirements.
 - (2) This standard is general in nature and is intended to cover many of Company's similar construction projects.
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1.0 INTENT OF STANDARDS

- (1) Adherence to the Standards and Specifications is not intended to relieve Contractor of the responsibility to perform the Scope of Work as an independent contractor in accordance with all applicable governmental and regulatory requirements.
- (2) All references to codes, standards, or other specifications shall be construed to be the most current issue in effect at the time the contract is executed, and shall be considered as being a part of this standard.

2.0 SAFETY

The Contractor shall take all reasonable precautions to ensure that labor employed by it and its subcontractors on the rights-of-way or premises of the Company comply with the Company Safety and Health Handbook Policies Manual (SPM), Company Contractor Safety Management Process and Contractor Safety Manual, and the Contractors' safety program. The Company shall furnish the Contractor copies of the applicable Safety and Health Information Handbook before the Contractor commences its field work. Company may request (if applicable) a site safety plan, specific to the Contractors' Scope of Work, in an effort to recognize safety incident prevention.

2.1. Authority of the Company Representative

- (1) The Company Representative has the right to inspect all completed work to the end that satisfies the Scope of Work and contractual obligations, but they shall not have the right to direct or supervise the details of said work. The Contractor, being an "Independent Contractor," shall have full power and authority to select the means, methods, and manner of performing the work. The work shall be done to the satisfaction of the Company Representative and in accordance with the Contract, Drawings, and Specifications.
- (2) The Company Representative will decide all questions which may arise as to the quality or acceptability of materials furnished and the work performed, the manner or performance and the rate of progress of the work, and the interpretations of the Drawings and Specifications.

3.0 INSPECTION

All work done and material used shall be approved by the Company Representative. The Contractor shall furnish the Company Representative with every reasonable means for ascertaining whether or not the work performed is in accordance with the requirements and the intent of the Specifications and Contract, including Quality Assurance (QA) and Quality Control (QC) equipment. If the Company Representative so requests, the Contractor shall, at Contractor's sole expense, at any time before acceptance of the work, remove or uncover such portions of the finished work as may be directed. After examination, the Contractor shall restore said portion of the work to the standard required by the Specifications.

4.0 CONTROL OF MATERIALS

4.1. Quality of Materials

- (1) Material not furnished by the Company shall be new and approved by the Company Representative. If the sources of supply do not furnish a uniform product, or if the product proves unacceptable at any time, the Contractor shall furnish approved material from other sources.
- (2) No materials that have in any way become unfit for use after acceptance shall be used in the work.
- (3) When one material is specified by name and "or equal to" is written thereafter, the material mentioned by name is the material desired. If the Contractor desires to use another material

in lieu thereof, approval by the Company Representative shall be obtained before making the substitution.

- (4) Whenever the words "approved by" or "satisfactory to" or similar phrases are used in this Specification, it shall be understood to mean that the item or material being referred to shall be approved by the Company Representative.
- (5) All materials furnished by Contractor shall be in accordance with the Company Approved Manufacturer's List (AML).

4.2. Handling Material

- (1) All pipe, valves, fittings, and accessories shall be loaded and unloaded by lifting with slings, hoists or other means to avoid shock or damage.
- (2) Equipment that comes in contact with pipe surfaces, especially thin film-coated pipe, shall be padded with rubber, Teflon, neoprene, or equal to eliminate any pipe contact with metal or other hard surfaces. Sling hooks used to unload or move pipe shall be lined with neoprene or material similar to the pipe being moved to avoid damage to beveled ends. Padding and hooks are to be approved by the Company Representative.
- (3) The Contractor shall dispose of banding material and dunnage from rail cars or other carriers in a manner acceptable to the Company, and shall clean up unloading areas to the Company's satisfaction.

4.3. Storing Material

- (1) Materials shall be stored to preserve their quality and fitness for the work.
- (2) The interior of all pipe fittings and other accessories shall be kept free from dirt and foreign matter at all times. Valves and accessories shall be drained and stored in a manner that will protect them from damage from freezing.

4.4. Defective Material

All materials not conforming to the requirements of this Specification shall be rejected and shall be removed immediately from the site of the work unless permitted to remain by the Company Representative and quarantined. Rejected materials, the defects of which have been subsequently corrected, shall have the status of new material once approved by the Company Representative.

4.5. Issuing Material to Contractor

Company-furnished material for the project will be issued by the Company to the Contractor's authorized representative who shall acknowledge, in writing, the receipt of the material and shall be responsible for all such material thereafter, including proper storage and preservation until placed into service.

5.0 MANUFACTURER'S DIRECTIONS

All manufactured articles, material, and equipment shall be received, unloaded, stored, applied, installed, connected, erected, used, cleaned, and conditioned as directed by the manufacturer, unless herein specified to the contrary.

6.0 RESPONSIBILITY REGARDING EXISTING UTILITIES OR STRUCTURES

When Company performs preconstruction survey, Company will make every effort to locate all structures (aboveground or underground) during survey, and the locations of such structures identified by Company will be shown on the construction drawings. It is the responsibility of the Contractor to make regional "One

Call" notification and to investigate and verify the existence and location of all structures whether or not they have been identified by Company. Excavation in the vicinity of existing structures shall be carefully done by hand or hydro vacuum, or as required by owner/operator of existing structure. The Contractor shall be responsible for protection of and for all damages to existing utilities, pipelines, and structures. Contractor is responsible for all cost to repair damages to any structure whether work is performed on time and material basis or a lump sum contract.

7.0 TOOLS AND EQUIPMENT

If, at any time during the progress of the work, tools or equipment appear to the Company Representative to be insufficient or inappropriate to secure the quality of work required or at the proper rate of progress, the Company Representative may request that the Contractor improve the quality, augment the number, or substitute new tools or equipment to the satisfaction of the Company.

8.0 MEASUREMENT OF QUANTITIES

The quantities of work performed will be computed by the Contractor on the basis of measurements taken by the Company Representative or their assistants.

9.0 COORDINATION OF SPECIFICATIONS AND DRAWINGS

This standard, the drawings, special provisions, and all supplemental documents are essential parts of the Contract, and a requirement appearing in one is as binding as though appearing in all. In case of discrepancy, figured- or field-verified dimensions shall govern over scaled dimensions, drawings shall govern over standards, and special provisions shall govern over both standards and drawings.

10.0 DRAWING MATERIAL LISTS

The material lists on drawings are not intended to be binding for the quantities of materials to be furnished and installed by the Contractor. The material lists are not necessarily complete and are intended to be used as a guide and a method of clarifying details on the drawings by means of item numbers. Contractor shall check all quantities by making his/her own material take-offs, and should bear in mind that he/she is to perform and complete all work represented on the drawings and supplemented by material lists and Specifications, in accordance with accepted practices of the construction industry.

11.0 RULES AND PERMITS

Permits and licenses of a temporary nature necessary for the execution of the work shall be secured by the Contractor at Contractor's sole expense. The Contractor shall give all notices and comply with all laws, ordinances, rules, and regulations bearing on the conduct of the work as drawn and specified. Where the Specifications or the drawings conflict with local conditions, or city, county, or state ordinances, the Contractor shall notify the Company Representative in writing, who shall then notify the Contractor in writing of the approved changes to resolve the issue.

Attachment: Revision Log/Record

Revision 0.0		Publish Date: 24 Jun 11
Location of Change	Type of Change	Reason for Change
N/A	N/A	
Revision 1.0		Publish Date: 13 Jun 12
Location of Change	Type of Change	Reason for Change
Section 1.0	Deletion	Transferred section 1.0 "Introduction" from this Standard into STD.8700, and renumbered the remaining sections in this Standard.
Section 3.1(1)	Revision	Reworded to provide clarification regarding the authority of the Company Representative.
Section 4.0	Addition	Added the word "sole" before "expense".
Section 5.1(3) and (4)	Revision	Reworded for clarity.
Section 5.4	Addition	Added the phrase "and quarantined" after "Company Representative".
Section 12.0	Revision	Reworded for clarity.
Section 13.0	Deletion	Deleted section on installation of test leads. This content is addressed in Enterprise STD.7006 Cathodic Protection.
Revision 2.0		Publish Date: 31 Jan 17
Location of Change	Type of Change	Reason for Change
Section 2.0	Revision	Reworded for clarity.
Section 5.1(4)	Addition	Made paragraph "(4)".
Section 5.1(5)	Addition	Added new paragraph "(5) All materials furnished by Contractor shall be in accordance with the Company Approved Manufacturer's List (AML)."
Section 5.5	Addition	Added phrase "including proper storage and preservation until placed into service."
Section 6.0	Addition	Added phrase "received, unloaded, stored..."
Section 12.0	Addition	Added phrase "at Contractor's sole expense" at the end of first sentence.