



Description This procedure is used to establish proper storage and handling guidelines of plastic and steel pipe.

Regulatory Applicability

- Regulated Transmission Pipelines
- Regulated Gathering Pipelines
- Regulated Distribution Pipelines

Frequency Prior to purchasing, storing or handling plastic pipe and steel as needed

Reference 49 CFR 192.65 *Transportation of Pipe*
49 CFR 192.69 *Plastic Pipe Storage and Handling*

Forms / Record Retention WTG-1400 *Project Report Form / Life of Pipeline System*

Related Specifications API RP 5LT
ASTM D2513, D3350, AMSE B31.8

OQ Task Covered None



Plastic Pipe Procedure Steps

Qualifying Storage Specifications:

All individuals purchasing and storing plastic pipe must document for the life of the pipeline the method in which the pipe was stored in form WTG-1400 and adhere to the procedures as described below:

1. High Density pipe as defined in ASTM Specification D3350
 - A. Indoor storage - Plastic pipe that is stored indoors shall be adequately supported to prevent deformation of pipe, protected from UV exposure and harmful chemicals, and may be deemed acceptable for use for 10 years or more.
 - B. Outdoor Storage - Plastic pipe that is stored outdoors shall be adequately supported to prevent deformation of pipe, protected from excessive heat and harmful chemicals, and may be suitable for use in a timeframe not to exceed 10 years.
2. Medium Density pipe as defined in ASTM Specification D3350
 - A. Indoor Storage - Plastic pipe that is stored indoors shall be adequately supported to prevent deformation of pipe, protected from UV exposure and harmful chemicals, and may be deemed acceptable for use for 3 years or more.
 - B. Outdoor Storage- Plastic pipe that is stored outdoors shall be adequately supported to prevent deformation of pipe, protected from excessive heat and harmful chemicals, and may be suitable for use in a timeframe not to exceed 3 years.

Handling Specifications:

All individuals handling plastic pipe must document for the life of the pipeline in form WTG-1400 the method in which the pipe was handled and adhere to the procedures as described below:

1. Plastic pipe shall be carefully inspected for cuts, scratches, gouges, and other imperfections before use, and any pipe containing harmful imperfections shall be cut out and replaced.
2. Care shall be exercised to avoid rough handling of plastic pipe. It shall not be pushed or pulled over sharp projections, or it shall not have other objects dropped on it. Care shall be taken to prevent kinking or buckling, and any kinks or buckles that occur shall be removed by cutting out as a cylinder.
3. Care shall be exercised at all times to protect the plastic material from fire, excessive heat, or harmful chemicals.
4. Each installation shall be field inspected to detect harmful imperfections. Any such imperfections found shall be eliminated.



Steel Pipe Procedure Steps

Transportation & Handling Specifications:

All individuals responsible for ordering of steel pipe must inform the vendor that the pipe must be shipped in accordance with CFR 192.65. Specifically, paragraph (c) and API RP 5LT as all pipe is shipped by truck for WTG at this time. If there are any questions concerning the context of API RP 5LT, please contact the compliance department.

Handling steel pipe must document for the life of the pipeline in form WTG-1400 the method in which the pipe was handled and adhere to the procedures as described below:

1. Steel pipe shall be carefully inspected for cuts, scratches, gouges, and other imperfections within coating and pipe before use, and any pipe containing harmful imperfections shall be cut out and/or not accepted.
2. Care shall be exercised to avoid rough handling of steel pipe. It shall not be pushed or pulled over sharp projections, or it shall not have other objects dropped on it. Care shall be taken to prevent damage. In the event of damage during handling shall be removed by cutting out as a cylinder.

Qualifying Storage Specifications:

All individuals purchasing and storing steel pipe must document for the life of the pipeline the method in which the pipe was stored in form WTG-1400 and adhere to the procedures as described below:

1. Outdoor Storage – Steel pipe that is stored outdoors shall be adequately supported to prevent deformation of pipe, protected from excessive heat and harmful chemicals.
2. If pipe is ordered and received for a specific job:
 - A. Upon receipt of pipe, Mill Test documentation must be reviewed and ensure that documentation matches pipe received.
 - B. File Mill Test documentation in job folder for life of the pipe a central location
 - C. If pipe is ordered and received for a standby / emergency repair pipe and used at a future date:
 - D. Upon receipt of pipe, Mill Test documentation must be reviewed and ensure that documentation matches pipe received.
 - E. File Mill Test documentation in a known location and held for future use when pie is installed.
3. Care shall be exercised at all times to protect the steel material from fire, excessive heat, or harmful chemicals.
4. Each installation shall be field inspected to detect harmful imperfections. Any such imperfections found shall be eliminated.