

PROCEDURES

STEEL PIPE CLEANING/PIGGING

10.0 PURPOSE

After testing a newly installed steel main 4" or greater in size, the gas pipeline will be flushed clean to remove of all dirt, rust, construction debris, water, and drying agents before being placed in service.

Cleaning (drying) shall be accomplished by pneumatically propelling pipeline pigs down the pipe tube. The pigs shall be introduced into the pipeline by means of a launching device.

10.1 PROCEDURE

The following general cleaning procedure shall be accomplished:

- Pig the pipeline with foam pigs until dry.
- Pig the pipeline with brush pigs to scrape and remove all mill scale, rust, and debris.
- Pig the pipeline with foam pigs until a ¼" or less of dust residue had penetrated the foam pig.

10.2 EQUIPMENT

Pigging shall be done with equipment that is capable of providing (blowing) -70°F dew point, dry air.

The cleaning pig shall be constructed of a flexible, polyurethane, (open cell) ester type foam. Drying types shall weigh approximately 2 lbs/cu.ft. The density of wiping and scraping type pigs shall be 8-10 lbs/cu.ft.

The cleaning pigs are to have a dished base and parabolic nose and have a length of approximately two times its normal diameter.

The cleaning pigs shall have the ability to negotiate short radius bends, ells, tees, and reduced port valves.

The cleaning pig for drying shall have a flexible seal composed of polyurethane on its tail.

10.3 SAFETY

Extreme caution shall be exercised when propelling pigs with compressed gasses as the pig may act as a projectile when exiting the pipeline.

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10.4 PIPELINE CLEANING PLAN

Before cleaning and pigging any section of pipeline, a specific pipeline cleaning procedure (including pigs and equipment to be used) shall be developed and reviewed by the Operator.