

PNEUMATIC TEST PROCEDURES

1. All pneumatic testing will be completed in accordance with the Enbridge Gas Inc.'s ("Enbridge") Construction and Maintenance Manual, meeting the requirements of the CSA Z662 Oil and Gas Pipeline Systems and Ontario Regulation 210/01 ("Oil and Gas Pipeline Systems").
2. The pneumatic test procedures described herein are applicable to the proposed NPS 6 polyethylene pipeline.

Pneumatic Testing Procedures Summary

3. The proposed NPS 6 polyethylene pipelines will be pneumatically tested (tested with air or nitrogen).
4. The test duration is minimum 4 hours for the NPS 6 pipeline (approx. length 6.4km). The test pressure will be 700 kPa (100 psi).

HYDROSTATIC TEST PROCEDURES

5. All hydrostatic testing will be completed in accordance with the Enbridge Specifications Manual, and the Enbridge Hydrostatic Testing Procedures meeting the requirements of the CSA Z662 Oil and Gas Pipeline Systems and Ontario Regulation 210/01 ("Oil and Gas Pipeline Systems").
6. The Hydrostatic Test Procedures described herein is applicable to the proposed NPS 8 Steel pipeline.

Testing Procedures Summary

7. The proposed steel pipeline will be hydrostatically tested (tested with water). The test will consist of two parts: a strength test and a leak test

Strength Test

8. The strength test is a four hour test, at a pressure corresponding to 57.2% of the Specified Minimum Yield Strength (359 MPa) of the pipe. The strength test pressure will be 9000 kPa (1300 psi).

Leak Test

9. The leak test is conducted immediately following the strength test for a four hour duration. The leak test pressure is 1.4 times the Design Pressure. This results in a leak test pressure of 6300 kPa (915 psi).

Test Water

10. Test water will be trucked to site and discharged per the municipality's permit approval conditions.