

Appendix C

Line 3 Decommissioning Regulations

This information was not previously submitted as part of the Enbridge Energy, Limited Partnership Application for a Pipeline Routing Permit on April 24, 2015.

Line 3 Replacement Project Decommissioning Regulations

The Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA)

1. Title 49 §195.59 Abandonment or deactivation of facilities. For each abandoned offshore pipeline facility or each abandoned onshore pipeline facility that crosses over, under or through a commercially navigable waterway, the last operator of that facility must file a report upon abandonment of that facility.
2. Title 49 §195.402 Procedural manual for operations, maintenance, and emergencies. (a) General. Each operator shall prepare and follow for each pipeline system a manual of written procedures for conducting normal operations and maintenance activities and handling abnormal operations and emergencies. This manual shall be reviewed at intervals not exceeding 15 months, but at least once each calendar year, and appropriate changes made as necessary to insure that the manual is effective. This manual shall be prepared before initial operations of a pipeline system commence, and appropriate parts shall be kept at locations where operations and maintenance activities are conducted...The manual required by paragraph (a) of this section must include procedures for the following to provide safety during maintenance and normal operations: (10) Abandoning pipeline facilities, including safe disconnection from an operating pipeline system, purging of combustibles, and sealing abandoned facilities left in place to minimize safety and environmental hazards. For each abandoned offshore pipeline facility or each abandoned onshore pipeline facility that crosses over, under or through commercially navigable waterways the last operator of that facility must file a report upon abandonment of that facility in accordance with § 195.59 of this part.
3. Title 23 §645.211 The FHWA [Federal Highway Administration] should use the current editions of the AASHTO [American Association of State Highway and Transportation Officials] publications, "A Guide for Accommodating Utilities Within Highway Right-of-Way" and "Roadside Design Guide" to assist in the evaluation of adequacy of STD utility accommodation policies.

The American Society of Mechanical Engineers (ASME) B31.4-2012 – Pipeline Transportation Systems for Liquids and Slurries

1. 457 Abandoning a Piping System In the event of abandoning a piping system, it is required that (a) facilities to be abandoned in place shall be disconnected from all sources of transported liquid, such as other pipelines, meter stations, control lines, and other appurtenances (b) facilities to be abandoned in place shall be purged of the transported liquid and vapor with an inert material and the ends sealed.

American Association of State Highway and Transportation Officials, A Guide for Accommodation Utilities Within Highway Right-of-Way, October 2005

1. Untrenched Construction
 - a. Methods may include directional drilling, micro tunneling, driving, coring, or boring.
 - b. The size of the untrenched construction should be restricted and the conditions specified under which the void outside the carrier or casing must be backfilled with grout. Where soils are favorable and the carrier is 1.2 m (4 ft) or more deep, the diameter of the untrenched construction hole may be five percent larger than the diameter of the carrier. Grout backfill should be considered for carriers or casings more than 300 mm (12 in.) in diameter and for overbreaks, unused holes, or abandoned carriers or casings. Untrenched excavations 100 mm (4 in.) or less in diameter may be exempt from void filling requirements in accordance with the transportation agency's utility accommodation policy.

American Railway Engineering Maintenance (AREMA), Part 5

1. 5.1.2.1 Pipeline Inspection and Maintenance c. Pipeline maintenance shall be limited to the installation of a new carrier pipe in an existing casing, renewal of carrier and casing pipe separators or the installation of a new crossing. In all cases, the work shall be conducted in the same manner as in the installation of a new crossing, which is subject to the requirements of these specifications. Casings abandoned or replaced by new location work shall be backfilled by methods and materials as directed by the Engineer. The location of abandoned facilities shall be recorded and records maintained by the pipeline owner.

**Line 3 Replacement Project
Decommissioning Regulations**

**MN Department of Transportation, Utility Accommodation on Highway Right of Way, MnDOT Policy
OP002**

1. If a utility owner discontinues use of an underground facility but desires to leave it in place on the [Minnesota Trunk Highway] right of way, the utility owner must receive written approval to do so from MNDOT, and a record shall be kept in the utility owner's permanent files so that the facility can be accurately located in the field. The utility owner shall locate discontinued underground facilities in the same manner as an active facility. MNDOT may at its discretion require abandoned and out-of-service pipes and appurtenant facilities (e.g., manholes, pull boxes, etc.) to be filled in or removed by the utility owner at the time of removal from service or at any time thereafter. All necessary removal and related costs shall be the responsibility of the utility owner.