

ILI Tool Tracking Services

Tracking Services are responsible for:

- providing personnel, material and equipment to track every ILI tool in the line during inspections unless instructed otherwise by Enbridge
- communicating tool position to the Control Center during inspections and coordinating their work with PLM.
- Following all Enbridge safety procedures.

Supervisor, Integrity Programs

- Ensures that ILI meets the requirements of the Integrity Management Program.
- Authorizes the Work Order contracts if value exceeds the signing authority of the Inspection Coordinator.

Manager, Pipeline Integrity

- Authorizes the Work Order contracts if value exceeds the signing authority of the Supervisor, Integrity Programs.

3.0 STRATEGIC ILI PLAN

ILI plans are created by the Pipeline Integrity Department in accordance with the Corrosion Assessment Interval Program and SCC Management Program begins implementation once senior management and budgetary approvals are received.

If deemed necessary during the planning stage, any change to the ILI performance specifications are requested by the Excavation Coordinator. Revised specifications are communicated to the Vendor through the department “Work Order” document.

4.0 TECHNOLOGY SELECTION

Tools are selected by the In-Line Inspection Coordinator through consultations with Pipeline Integrity personnel and based on their technical ability to identify or detect specific anomalies. See electronically attached Appendix A for a listing of the various tools available and Appendix B for a trap by trap tool selection rational.

5.0 VENDOR SELECTION

Vendors do not necessarily own or have every type of inspection tool available. It is necessary to book the tools as early as possible and determine which vendor will provide the best price and quality of work.

At this time Enbridge is engaged in a long-term service agreement with GE PII to supply inspection tools and service. However, not every type of tool required by Enbridge is available

from GE PII , therefore it is necessary to approach other vendors such as TDW Pipeline Services, and BJ Pipeline Inspection Services for individual or complimentary services.

Contracts and Work Orders are required prior to beginning all inspection runs. The selection of tools and implementation of contracts and Work Orders is coordinated by the Inspection Coordinator through consultation with the Enbridge Law Department and the ILI Vendor to reach a suitable agreement. Prior to each ILI Work Order contracts are issued for each vendor that specifies the scope of work and schedule requirements. Details outlining the data analysis requirements and expectations are also included within the Work Order contract. The Work Order contract may stipulate that all data analysis is done in a prioritized manner with respect to location and anomaly measurement. Individual tool specifications are established and reported by each ILI Vendor.

The department reviews Vendor personnel qualifications as described within the Integrity Department *Qualification and Training Guideline Document*.

6.0 SCHEDULE

6.1 PRELIMINARY SCHEDULE

The inspection schedule is prepared by the Inspection Coordinator with input from internal and external departments and customers that could affect the success of the program:

- Pipeline Integrity,
- Shipper Services,
- Pipeline Control,
- Operations,
- Regional Offices,
- Pipeline Maintenance (PLM),
- Tool vendors,
- Tracking contractors

A preliminary schedule is presented to the various departments so that changes can be made should conflicts occur with other maintenance activities or operational issues on the system.

6.2 DETAILED RUN SCHEDULE

Following the tool / vendor selection process a detailed inspection schedule is prepared by the Inspection Coordinator working with Enbridge Pipeline Control. Pipeline Control is the department responsible for controlling and managing all the maintenance and operational activities on the system. No work on the system can proceed without the approval of Pipeline Control.