

**Professional Environmental
Engineering Services**

Statistical Inventory Reconciliation (SIR)

The Liquid Fuels Handling Code 2007 (*Ontario Regulation 217/01*) requires continuous monitoring for existing single-walled underground storage tanks. The SIR method uses sophisticated computer software which analyzes data (daily recordings of inventory, sales and deliveries) over a one-month period to determine whether or not your underground storage tank is leaking.

<<< Attention >>>

By implementing the SIR program, facility owners and operators can extend the precision leak testing frequency requirement by an additional three (3) years. (see reverse side)

ADVANTAGES OF SIR

- The SIR analysis can detect a leak as small as 0.38 L/hour.
- The SIR monitoring system is an approved continuous leak detection method by TSSA.
- The SIR method has been proven to be much more sensitive and accurate than standard reconciliation.
- The SIR program is the lowest cost approved solution of long term continuous monitoring of your underground storage tanks.



PHOTO: TANKTEK

*Registered Contractor with TSSA (Fuel Oil & Liquid Fuels)
Member of Ontario Petroleum Contractors Association
General Liability, Professional Errors & Emissions, and Pollution Insurance*

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Leak Detection Testing and Monitoring of Underground Storage Tanks
(Revised Liquid Fuels Handling Code, Ontario Regulation 217/01)

Type of Containment	Commis- sioning Test	In-Service Monitoring		Leak Suspected
		Continuous	Periodic	
Single-walled	n/a	Inventory Reconciliation	Precision Leak Detection Test every 2 years	Precision Leak Detection Test
		Statistical Inventory Reconciliation (SIR)	Precision Leak Detection Test every 5 years	
		Electronic In-Tank Leak Detection (Static or Continuous)	None required	
Double-walled	Precision Leak Detection Test or Secondary Containment Test	Secondary Containment Monitoring	None Required	Precision Leak Detection Test or Secondary Containment Test

TankTek's Additional Services:

Cathodic/Corrosion Protection Surveys	Precision Leak Testing (Underground Tanks & Lines)
Underground Storage Tank Removals	Contaminant Management Plans
Phase I, II, & III Environmental Site Assessments	Remediation of Contaminated Soil & Water
Site Decommissioning Plans	Environmental Impact Assessments

Let our team of professional engineers, scientists, and licensed petroleum mechanics (PM2, PM3, PMH) be your compliance partner in environmental related issues.