



GOVERNMENT OF
NEWFOUNDLAND AND LABRADOR

Department of Environment and Conservation

Pollution Prevention Division
P.O. Box 8700, St. John's, NL
A1B 4J6
Tel: 709-729-2556
Fax: 709-729-6969

GUIDANCE DOCUMENT

Title: **Sampling of Water and Wastewater – Industrial Effluent Applications**

Prepared By: Anita Doody
Anita Doody, Environmental Scientist

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Approved By: Derrick Maddocks
Derrick Maddocks, Director

**Sampling of Water and Wastewater –
Industrial Effluent Applications
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Important

Information contained in this document is meant to serve as a guideline for conducting water and wastewater sampling at industrial sites. Sampling methods and procedures may vary depending on sampling locations, media and industry requirements. Details specific to individual industries will be clearly outlined in the CofA and CofA's that include water and wastewater monitoring clauses should reference this guidance document.

1.0 Subject

Procedures for sampling of water and wastewater from sites with industrial applications.

2.0 Objective

To outline the steps for the preparation, collection and shipping/delivery of water samples for laboratory analysis.

3.0 Definitions

ALT (acute lethality test) means a test conducted as per Environment Canada's Environmental Protection Service reference method EPS/1/RM-13 Section 5 or 6.

CofA means Certificate of Approval issued under Part XI of the *Environmental Protection Act* SNL2002 Chapter E-14.2.

Composite Sample means a quantity of undiluted effluent collected continually at an equal rate or at a rate proportionate to flow over a designated sampling period.

Department means the Department of Environment and Conservation and its successors.

DOC means dissolved organic carbon.

EEM means Environmental Effects Monitoring.

Environment includes

- i) air, land and water,
- ii) plant and animal life, including human life,
- iii) the social, economic, recreational, cultural and aesthetic conditions and factors that influence the life of humans or a community,
- iv) a building, structure, machine or other device or thing made by humans,
- v) a solid, liquid, gas, odour, heat, sound, vibration or radiation resulting directly or indirectly from the activities of humans, or
- vi) a part or a combination of those things referred to in subparagraphs (i) to (v) and the interrelationships between 2 or more of them.

Grab Sample means a quantity of undiluted sample collected at any given time.

Leachate means a liquid that has percolated through solid waste and has extracted dissolved or suspended materials.

MSDS means Material Safety Data Sheet.

QA/QC means Quality Assurance/Quality Control.

