



GOVERNMENT OF  
NEWFOUNDLAND AND LABRADOR

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**GUIDANCE DOCUMENT**

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

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**Issue Date:** **May 5, 2011**

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Industrial Effluent Applications  
GD-PPD-066**

## *Table of Contents*

1.0	Subject .....	2
2.0	Objective .....	2
3.0	Definitions .....	2
4.0	Background .....	3
5.0	Quality Assurance/Quality Control .....	3
	5.1 Trip Blanks/Field Blanks .....	4
	5.2 Duplicates .....	4
6.0	Industrial Wastewater Sampling: Typical Parameters .....	5
7.0	Preparation for Sample Collection .....	5
8.0	Sample Collection .....	6
	8.1 Sampling Types .....	6
	8.2 Surface Water and Effluent Sampling .....	7
	8.3 Groundwater Sampling .....	7
	8.3.1 Purging of the Well .....	8
9.0	Shipping Samples .....	8
10.0	References .....	10

### *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.

