



**PROTOCOL FOR THE CONTAMINATED SITES REGULATION  
UNDER THE ENVIRONMENT ACT**

**PROTOCOL NO. 2:  
Analysis of Samples Taken in Relation to the  
*Contaminated Sites Regulation***

Prepared pursuant to Part 6 – Administration, Section 21,  
*Contaminated Sites Regulation*, OIC 2002/171

# ANALYSIS OF SAMPLES TAKEN IN RELATION TO THE *CONTAMINATED SITES REGULATION*

## **1.0 Introduction**

Section 21(1)(c) of the *Contaminated Sites Regulation*, OIC 2002/171 authorizes the Minister or his/her delegate to approve or adopt protocols for the “testing or analyzing soil, water, and other media”. The protocol is designed to ensure that standardized analytical procedures and quality assurance/quality control procedures are used.

## **2.0 Use of Accredited Laboratories**

All samples taken for assessment or other work undertaken in relation to contaminated sites shall be analyzed at a laboratory that is accredited as conforming to ISO/IEC 17025 by an accrediting body that conforms to ISO/IEC 17011. The Standards Council of Canada and the Canadian Association for Laboratory Accreditation are two organizations in Canada that provide ISO/IEC 17025 accreditation of environmental analytical laboratories in accordance with the ISO/IEC 17011 standard.

## **3.0 Use of Approved Analytical Methods for Petroleum Hydrocarbons in Soil**

All analyses undertaken for assessment or work done in relation to petroleum hydrocarbons in soil at contaminated sites, as defined in the *Contaminated Sites Regulation*, shall be conducted using the following methods, *in order of priority*:

- 3.1 Methods approved by the Standards & Approvals section, Department of Environment, Government of Yukon,
- 3.2 Methods approved by the British Columbia Ministry of Environment for contaminated sites regulatory purposes, or
- 3.3 Methods approved by the Canadian Council of Ministers of the Environment.

## **4.0 Use of Approved Analytical Methods for Other Contaminants and/or Media**

All analyses undertaken for assessment or work done in relation to contaminants and/or media other than petroleum hydrocarbons in soil must use, *in order of priority*:

- 4.1 Methods approved by the Standards & Approvals section, Department of Environment, Government of Yukon,
- 4.2 Methods approved by the British Columbia Ministry of Environment for contaminated sites regulatory purposes, or
- 4.3 Methods approved by the Canadian Council of Ministers of the Environment.

## **5.0 Acceptable Method Detection Limits**

- 5.1 Subject to 5.2 below, all analyses undertaken for assessment or work done in relation to contaminated sites, as defined in the *Contaminated Sites Regulation*, shall be conducted such that the method detection limit is no greater than 20% of the standard to which the results are compared.

**5.2** Where the *Contaminated Sites Regulation* notes that a standard has been adjusted to accommodate achievable method detection limits, analyses shall be conducted such that the method detection limit does not exceed the standard.

## **6.0 Effective Date**


The effective date of this protocol shall be **August 30, 2012** and it shall remain in effect until replaced or rescinded by the Standards & Approvals section.

## **7.0 Additional Information**

For additional information regarding certified environmental analytical laboratories, analytical methods, or acceptable detection limits, please consult:

Standards & Approvals Environmental Programs Branch (V-8) Environment Yukon Box 2703, Whitehorse, YT Y1A 2C6	T: 867-667-5683 or 1-800-661-0408 ext. 5683 F: 867-393-6205 E: <a href="mailto:envprot@gov.yk.ca">envprot@gov.yk.ca</a>
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Approved:



Date: August 30, 2012

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Manager, Standards and Approvals Section  
Environmental Programs Branch  
Department of Environment