



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. 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. 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. 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. 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. 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. 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.



Additional information

For more information about contaminated sites, please contact:

Email: envprot@gov.yk.ca

Phone: 867- 667-5683 or toll free in Yukon: 1-800-661-0408, ext. 5683.

Approved:

Date: December 20, 2017

Manager, Standards and Approvals Section

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