



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

**PROTOCOL No. 1:
Site-Specific Numerical Standards**

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

SITE-SPECIFIC NUMERICAL STANDARDS

1.0 Introduction

Section 21(1)(e) of the *Contaminated Sites Regulation*, OIC 2002/171 authorizes the Minister or his/her delegate to approve or adopt protocols for the application of site-specific numerical standards at contaminated sites. This protocol provides procedures for the development and application of site-specific numerical standards.

2.0 Acceptable Methods

Site-specific numerical standards for use under the *Contaminated Sites Regulation* shall be developed and applied in accordance with one of the following approved methods, as amended from time to time:

- 2.1 British Columbia Ministry of Environment, 1998. Protocol 2 for Contaminated Sites: Site-Specific Numerical Soil Standards. Available at <http://www.env.gov.bc.ca/epd/remediation/>.
- 2.2 British Columbia Ministry of Environment, 2002. Protocol 10 for Contaminated Sites: Hardness Dependent Site-Specific Freshwater Water Quality Standards for Cadmium and Zinc. Available at <http://www.env.gov.bc.ca/epd/remediation/>.
- 2.3 Canadian Council of Ministers of the Environment, 1996. Guidance Manual for Developing Site-Specific Soil Quality Remediation Objectives for Contaminated Sites in Canada. Publication number PN 1197. Available at <http://www.ccme.ca/>.

The Yukon CSR standards are adopted from both the British Columbia Ministry of Environment (BC MoE) and the Canadian Council of Ministers of the Environment (CCME). Therefore, the selected method used for derivation of a site-specific standard must be consistent with the adopted source or jurisdiction from which the corresponding generic Yukon CSR standard was obtained. For example, if a site-specific standard is proposed to be developed for a generic Yukon CSR standard that has been adopted from BC MoE, then the BC MoE methodology and protocol must be used for the derivation of the site-specific standard. Please contact the Standards & Approvals section of the Environmental Programs Branch for confirmation of the jurisdiction from which a particular Yukon CSR standard was adopted.

The above approved methods shall not be used to develop risk-based restoration standards, nor shall standards developed using a risk-based approach be classified as site specific standards.

3.0 Use of Site-Specific Numerical Standards

The use of site-specific numerical standards must be approved by the Standards & Approvals section. In order to obtain approval, proponents must submit:

- a description of the methods selected;
- supporting data;
- relevant background information;
- calculations;
- assumptions and justification for assumptions; and
- any other information requested by the Standards & Approvals section.

4.0 Special Considerations

Variations to the methods referenced in section 2.0 may be approved by the Manager, Standards and Approvals Section, on a case by case basis.

5.0 Effective Date

The effective date of this protocol shall be **March 1, 2011** and it shall remain in effect until replaced or rescinded by the Standards & Approvals section.

6.0 Additional Information

For more information on contaminated sites, please contact:

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: envprot@gov.yk.ca
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Approved: 

Date: March 1, 2011

Manager, Standards and Approvals Section
Environmental Programs Branch
Environment Yukon