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# **PROPOSED STAGE 12 CSR AMENDMENT**

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Contaminated Sites Officer  
Sept 6, 2018



Ministry of  
Environment and  
Climate Change Strategy

# COMPONENTS OF STAGE 12

Purpose of this amendment is to make changes to:

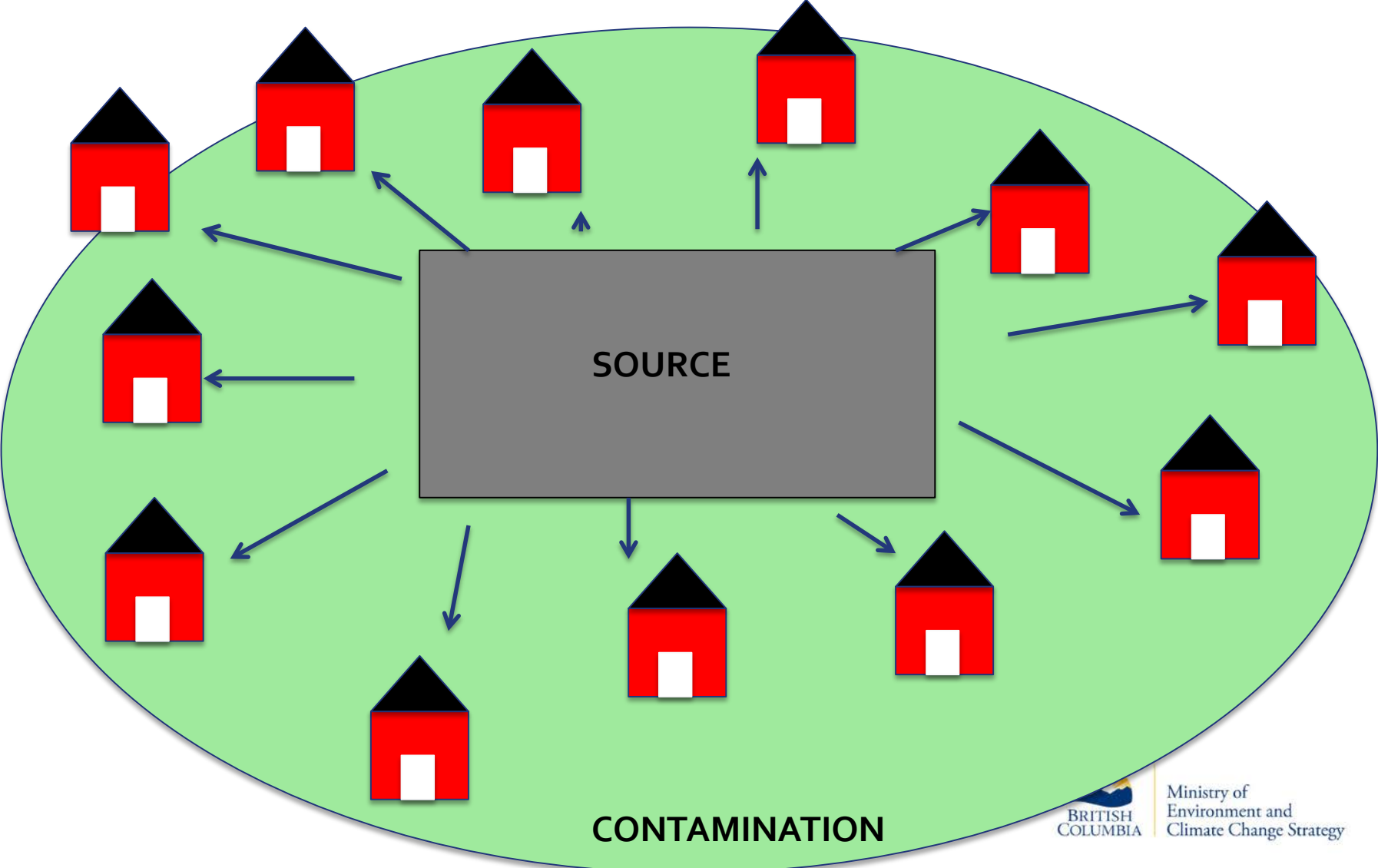
- The Wide Area Site name
- Outstanding errors from Stage 10/11

# WIDE AREA SITES

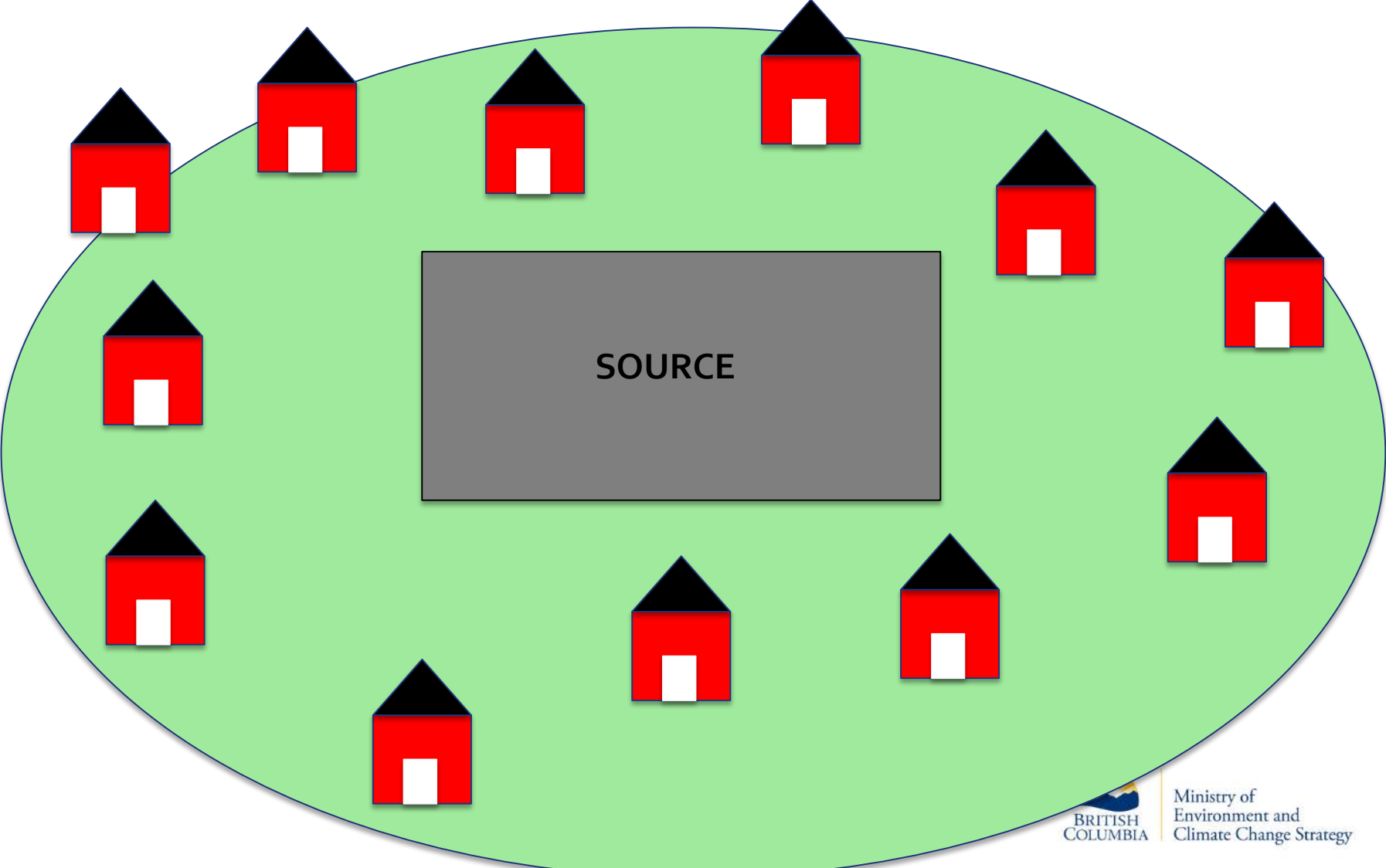
A Wide Area Site (WAS) is designated by a Director under section 14 of the CSR and applies to specific contaminants and sources. The key features of a WAS is that it covers a large geographic area with many individual properties, and many (or all) of the individual properties may be contaminated with the specified contaminants.

A WAS designation provides relief to the responsible party for some requirements under the CSR, to help streamline the administrative burden of the remediation process.

# WIDE AREA SITES



# WIDE AREA SITES



# WAS COMPONENT

Amend the WAS name to an Environmental Management Area (EMA)

- WAS provisions will not change (i.e. only a name change)
- Wide Area Remediation Plan (WARP) name will not change
- Change applies to existing WAS designation holders and future WAS sites

# ERRATA COMPONENT

## Background:

- Stage 10 amendments to the CSR were approved on October 27, 2016,
- Stage 11 amendments to the CSR were approved on October 31, 2017.

Since Stage 11: typographical, transcription and other errors have been identified.

# ERRATA COMPONENT

## CSR Schedule 1.1 - Summary of Site Conditions

- Updates to schedule names and land uses

## CSR Schedules 3.1 – 3.4

- Updates to 30 known errors in the schedules
  - Administrative Bulletin 5 will be released soon after this webinar



# CSR SCHEDULE 1.1 – SUMMARY OF SITE CONDITION EXAMPLE



## Summary of Site Condition

**4.4 Applicable Numerical Concentration Standards and Criteria**  
 (if more than one land or water use applies to the site, expand this section to specify additional land uses covered by the instrument, i.e. riparian areas, roadways, etc. Include a diagram to clearly show the areas with different standards)

**Soil (standards Schedule 3.1):**

Property		CSR Land Use						
		AL	PL	RL <sub>LD</sub>	RL <sub>HD</sub>	CL	IL	Other
Subject site	Current	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Proposed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Receiving site <i>(if completed in support of a Contaminated Soil Relocation Agreement)</i>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Offsite impacted property / management area		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If Other is specified above, please explain: *(e.g. WL<sub>N</sub>, WL<sub>R</sub> applicable or excluded guidance, protocols or policies specific to the site)*

Note: If amendments approved, the fillable SoSC form will also be updated.

# CSR SCHEDULES 3.1 - 3.4 ERRATA EXAMPLES

## Schedule 3.1 – Part 1: Matrix 37, Uranium

The matrix for Uranium contains a typographical error for Column 7 Human Health Protection: Groundwater used for drinking water, standard 3040. The correct standard is 30.

## Schedule 3.2: Generic Numerical Water Standards

Error for substance thiocyanate CAS 302-04-5, Column 6 standard 0.8<sup>4</sup>. Correct standard is 200<sup>8</sup>.

## Schedule 3.1 – Part 2: Generic Numerical Soil Standards to Protect HH

Standard represents a “Benzo(a)Pyrene Toxicity Equivalent Quotient (BaP TEQ)”. Standard is set equal to the corresponding land use, Human Health Protection – Intake of contaminated soil, matrix soil standard for benzo(a)pyrene divided by the the 1998 World Health Organization “Benzo(a)Pyrene Toxicity Equivalent Factor (BaP TEF)” for the substance. ~~The sum of the concentrations of: benz(a)anthracene, benzo(b+j)fluoranthenes, benzo(k)fluoranthene, dibenzo...(a, h)anthracene, and indeno(1,2,3-cd)pyrene in soil, multiplied by each substance’s respective 1998 World Health Organization “BaP TEF” must not exceed the corresponding land use, Human Health Protection Intake of contaminated soil, matrix soil standard for benzo(a)pyrene. Consult a director for further advice.~~

# TIMELINE FOR STAGE 12

- Package for signing: Late September/October
- (If approved) → Deposited to the Registrar of Regulations within a few days
- Ministerial Order/Order in Council package posted on LRS website
- Consolidated on website (up to 3 months)
- Available from the Queen's Printer (up to 6 months)
- No transition period for new standards



# THANK YOU

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