



An Update on the Federal Contaminated Sites Action Plan (FCSAP)

Report on Progress & Plans for the Future

RemTech 2010

Presented by

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Overview

- The FCSAP Program
- Canada's Economic Action Plan
- Program Renewal
- FCSAP Phase 2 (2011-16) Opportunities





Definition

- Sites on lands owned or leased by the GoC, or on non-federal lands where GoC has accepted full responsibility for the contamination.
- Result of poor past practices in government operations
 - Leaking fuel storage tanks, PCB spills, heavy metal contamination, etc.
 - Typical locations: military bases, federal harbours, airports, lighthouses, firing ranges, FN lands
- Result of poor past management of 3rd federal Crown land
 - North of 60: e.g abandoned mines

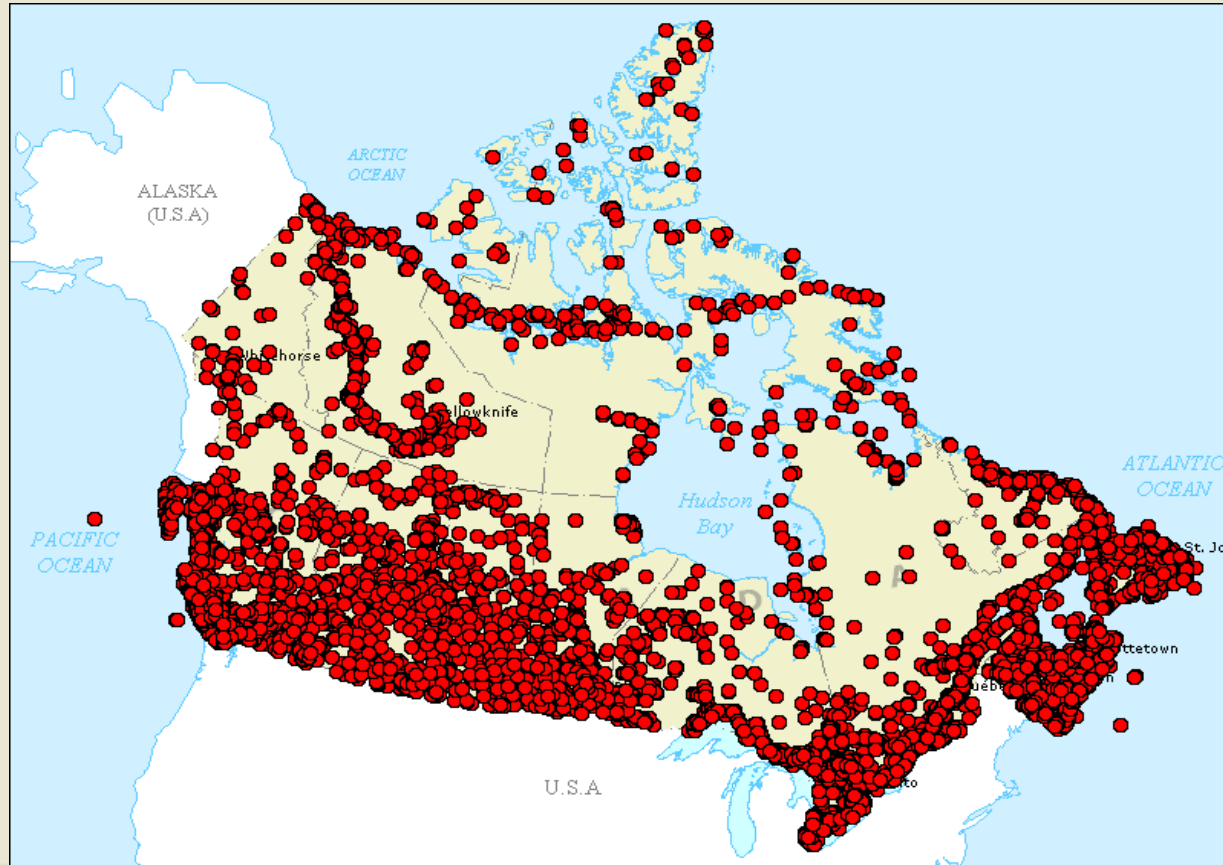




Federal Contaminated Sites



Federal Contaminated Site Inventory



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Federal Contaminated Sites

The Federal Contaminated Sites Action Plan (FCSAP)

- \$3.5 billion, 15-year program established in 2005
- Reduce and manage risks to human health and the environment
- Manage federal financial liabilities
- Secondary benefits





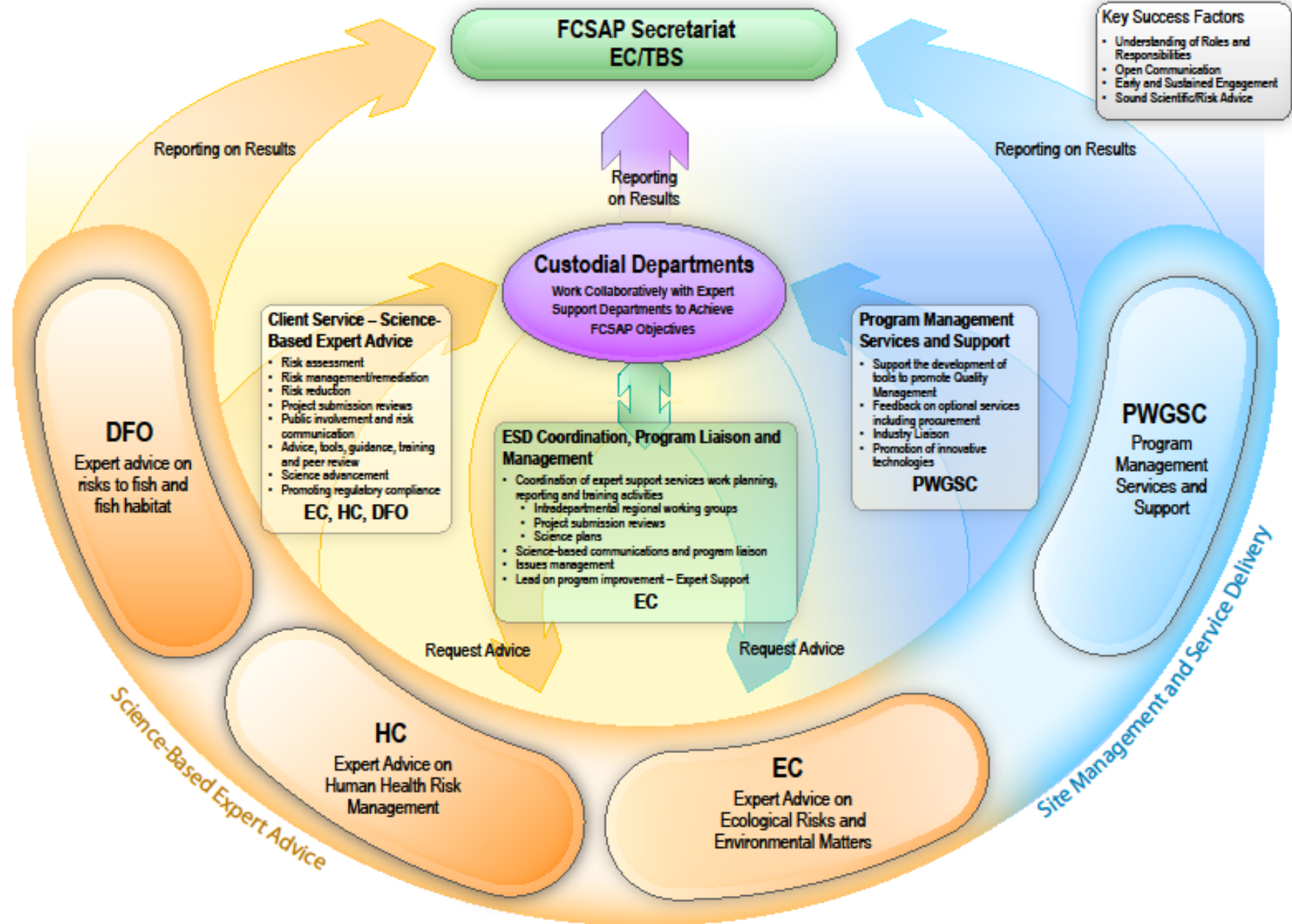
FCSAP Framework

- Cost share program between FCSAP funding and custodial departments
- Program ran jointly by Treasury Board and EC (collectively referred to as the FCSAP Secretariat)
- ADM-level steering committee
- Contaminated Sites Management Working Group – interdepartmental HQ-level meetings
- 17 federal custodial departments
- 3 federal technical “Expert Support” departments: EC, DFO, HC
 - PWGSC – expert support for contracting



Service Delivery Model of Expert Support Services

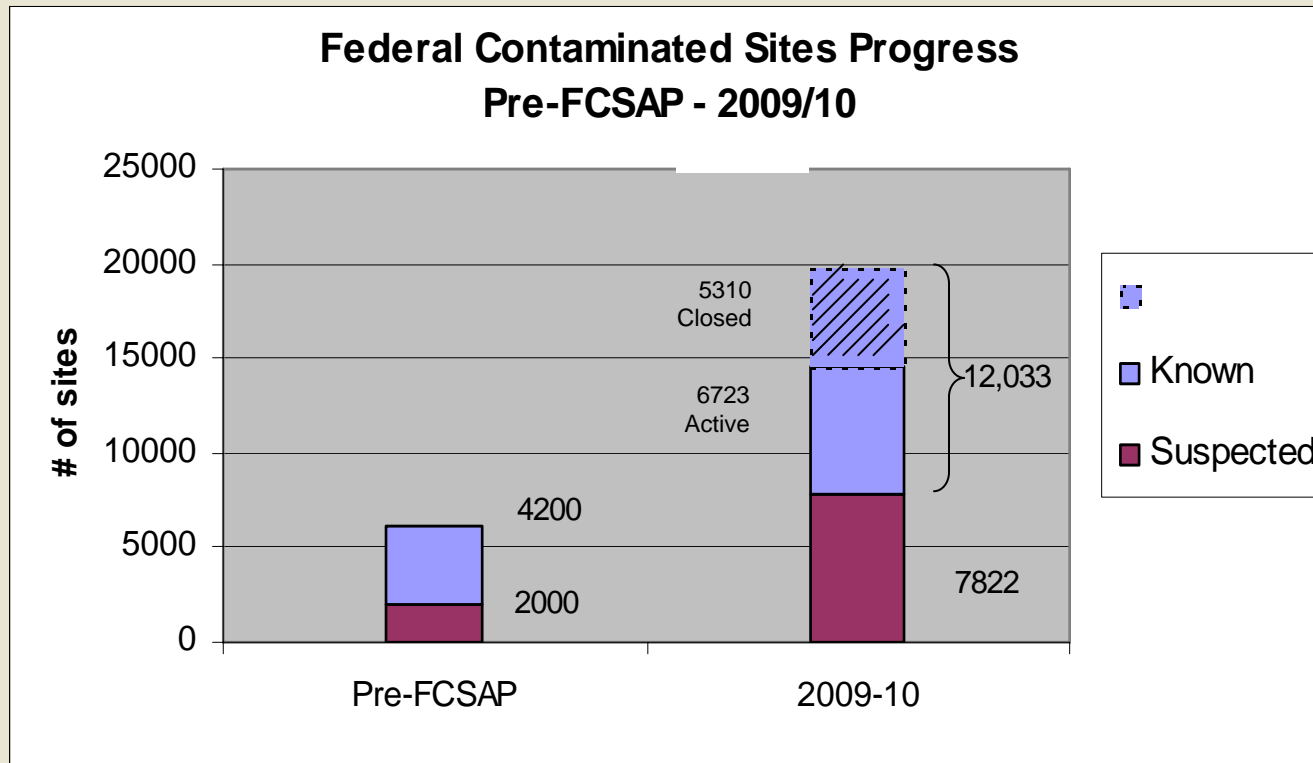
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Federal Contaminated Sites

Federal Contaminated Sites: 2005 to 2009-10

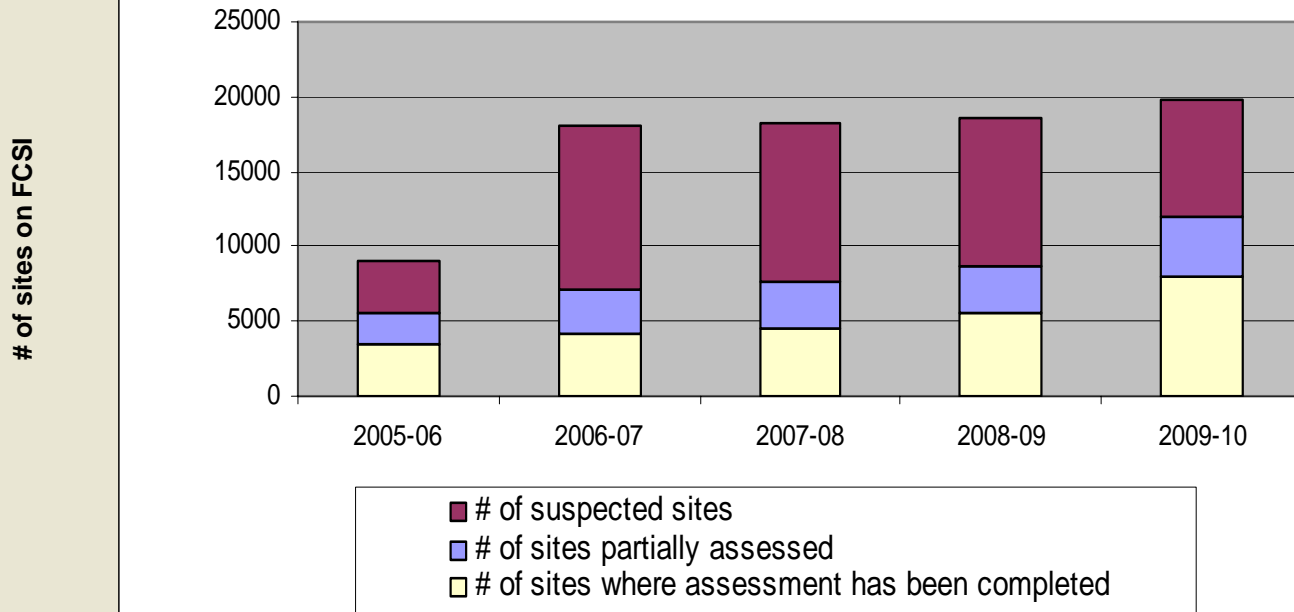




Federal Contaminated Sites

Assessments

Assessment Progress



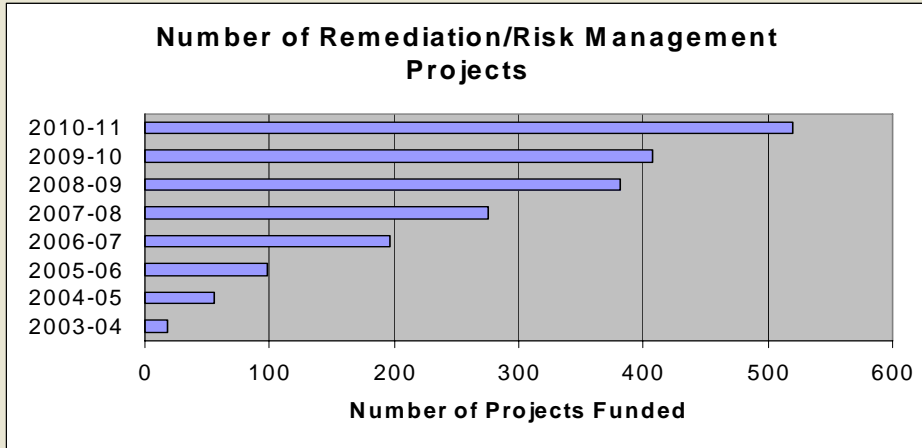
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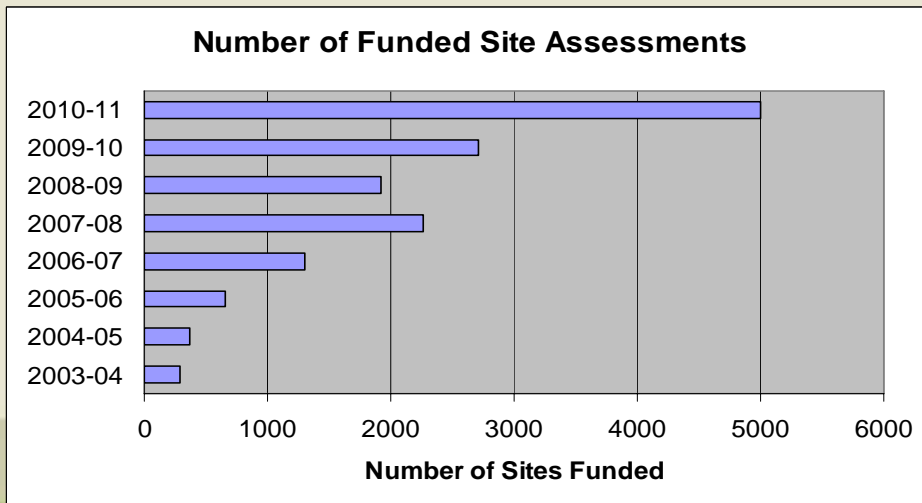


Approved projects



Priority Projects and Sites

- FY 10/11 520 Projects (~760 sites)
- FY 09/10 407 Projects (~850 sites)
- FY 08/09 343 Projects (~740 sites)
- FY 07/08 279 Projects (~520 sites)
- FY 06/07 197 Projects (~370 sites)
- FY 05/06 98 Projects (~140 sites)



• Note: Not all assessment projects lead to priority projects





Progress to date

Program development / implementation

over 5000 site assessments and >500 remediation projects since inception

Successful Horizontal Implementation

Over 20 participating partners in various roles

Effective committee-based decision making

Active interdepartmental governance

Benefits beyond program objectives

Job creation and skills development

Technology advancement - Innovative Remediation Workshops

Program-wide assessments have been positive

2008 OAG Report, 2008 Formative Evaluation

Program accelerated under Economic Action Plan (CEAP)





Canada's Economic Action Plan

- Sixth Report to Canadians released Sept 2010
- FCSAP results from CEAP:
 - over 1,900 site assessments
 - 195 remediation / risk management projects
 - \$88 million spent in 2009-10
 - \$150M committed in 2010-11
 - 97% spending of commitments

Information reported on Public CEAP website

<http://www.actionplan.gc.ca/initiatives/eng/index.asp?initiativeID=25&mode=3>





Activities in 2010/11

	Project Type	
	Assessment	Remediation/ Risk Management
New Projects	1120	120
Existing Projects	440	400
Total Projects	1560	520
Funding	\$63 M	\$282 M





Program Renewal

- 2011-2016 – Phase 2 of FCSAP
- Entering major remediation phase of FCSAP Program
- Proposal under development to seek policy and financial approval for next 5 years





FCSAP Phase 2 (2011-16) Opportunities

- Performance Measurement Tools
 - Risk Reduction and Site Closure
- Technology Transfer
 - Demonstration Sites
- Sustainability tools for the program





Risk Reduction and Site Closure

Risk Reduction Indicator Tool

- A set of summary questions and supporting worksheets filled-in by the custodian which lead to one of two outcomes:
 1. risk at site is acceptable – noting any restrictions
 2. risk at site may not be acceptable and further work is required
- Questions will follow risk assessment paradigm; questions to be answered depend on whether custodian is using a risk-based or Tier 1 criteria/guidelines approach to manage site
- Status: Tool yet to be approved by program partners

Proposed Site closure tool (PWGSC)

- Rationale for selecting R/RM options
- Objectives and description of chosen remedy
- O&M and LTM requirements
- Obligations for administrative controls
- Aim to have closure tool in place by beginning of renewed program





Demonstration Sites

- Showcase innovative solutions and approaches
- Demonstrate federal gov't performance at projects to inform public
- Knowledge transfer of applications for innovative technologies
- Extend benefits of the program to the public at large (aboriginal people, local communities, consulting industry etc.)





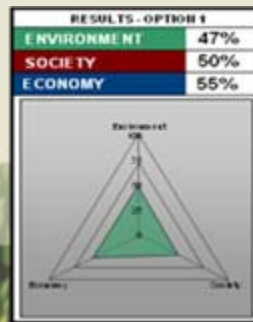
Sustainability

- FCSAP mapped to Federal Sustainable Development Strategy
- To strengthen sustainable development practices within the federal government.
 - Reduction of fossil fuel consumption and GHG emissions,
 - Better conservation of water and other natural resources,
 - Cost savings associated with increased use of optimized renewable energy treatment systems,
 - Improve air quality,
 - Increase property value,
 - Opportunities to support and increase biodiversity,
 - Supports local jobs creation and other employment opportunities related to local renewable energy businesses
 - Capacity building/Educational opportunities regarding sustainable approaches and environmental stewardship,
 - Supports greener and innovative technology development



Sustainable Decision Support Tool (SDST)

- Development of the Sustainable Decision Support Tool (2010) for renewed program
 - A multi-criteria-assessment (MCA) tool to assist with remedial decisions
 - Golder & Associates, based on GoldSET
 - Currently in phase 2 of tool development; beta-testing underway
 - Modules for hydrocarbons well defined, metals and other contaminants will be added to the tool in the future.





Next Steps

- Continue implementation
- Develop consistent tools to demonstrate results, progress and performance
- Continue to improve state of contaminated sites science and management
 - Advance science via linkages with academia and consulting
 - Make training more efficient so it reaches a broader audience.





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Thank-you Questions?

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www.ec.gc.ca

http://www.federalcontaminatedsites.gc.ca/index-eng_aspx



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