The Federal Contaminated Sites Action Plan and Canada’s Economic Action Plan

Overview and Progress

RemTech 2009

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Environment Canada
Overview

• Federal Contaminated Sites
• The FCSAP Program
• Canada’s Economic Action Plan (CEAP)
• Details of funding available 09/10 and 10/11
• Progress To Date
• Key Program Accomplishments
• Program Challenges
• Next Steps
Federal Contaminated Sites

Federal Contaminated Sites in Canada

- Sites on lands owned/leased by the GoC, or on non-federal lands where GoC has accepted responsibility for the contamination
- Result of practices prior to 1998
- Sites on the public inventory (FCSI)
  - 4,200 sites in 2002 → 19,926 sites (Sept 2009)
- Currently:
  - 12,722 sites suspected
  - 3,869 Class 1 and 2 (high or medium priority for action)

80% of sites with known liabilities are less than $250K
8.8% of sites with known liabilities are over $1 million
37 sites represent a total liability of $2 billion
Regional Distribution of Federal Contaminated Sites

<table>
<thead>
<tr>
<th>Region</th>
<th>Number of Sites on public Inventory (FCSI)</th>
<th>% of current financial liability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlantic</td>
<td>4713</td>
<td>7.5%</td>
</tr>
<tr>
<td>Quebec</td>
<td>2072</td>
<td>2.8%</td>
</tr>
<tr>
<td>Ontario</td>
<td>3960</td>
<td>19.1%</td>
</tr>
<tr>
<td>Prairies</td>
<td>3140</td>
<td>2.3%</td>
</tr>
<tr>
<td>British Columbia</td>
<td>4110</td>
<td>7.1%</td>
</tr>
<tr>
<td>Territories</td>
<td>1886</td>
<td>61.2%</td>
</tr>
</tbody>
</table>
The Federal Contaminated Sites Action Plan (FCSAP)

- $3.5 billion, 15-year program established in 2005
  - Program funding tied to recorded financial liabilities
- Reduce and manage risks to human health and the environment
  - Priority to those posing higher human health and/or ecological risk
- Manage federal financial liabilities
  - Goal is to reduce reported liabilities in Public Accounts over the life of the program
- Secondary benefits
  - Employment, training, technology advancement and innovation
Governance Model

- Deputy Minister EC
- Secretary TBS
- FCS ADM Steering Committee
- DG Committee
- CSMWG
- CSMWG Sub-Committees
- TBS/FCSAP Secretariat
- Expert Support Departments at HQ
- Custodian Headquarters
- Interdepartmental Regional Working Groups
- Regional Expert Support Departments
- Custodian Project Managers
Canada’s Economic Action Plan

- $80.5M in new funding to accelerate assessment activities and program management;
- $165M to accelerate remediation / risk management activities of the current program.
<table>
<thead>
<tr>
<th>Details of Funding for 2009/10 and 2010/11</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current FCSAP Program</strong></td>
</tr>
<tr>
<td>2009/10</td>
</tr>
<tr>
<td>Assessment</td>
</tr>
<tr>
<td>Remediation/Risk management</td>
</tr>
<tr>
<td><strong>Canada’s Economic Action Plan</strong></td>
</tr>
<tr>
<td>2009/10</td>
</tr>
<tr>
<td>Assessment</td>
</tr>
<tr>
<td>Remediation/Risk management</td>
</tr>
</tbody>
</table>
Total Funding Allocated to Date

TB Approved
2003-04 to 2010-11
Approved projects

**Priority Projects and Sites**
- **FY 10/11**: 444 Projects (821 sites)
- **FY 09/10**: 445 Projects (888 sites)
- **FY 08/09**: 343 Projects (742 sites)
- **FY 07/08**: 279 Projects (524 sites)
- **FY 06/07**: 197 Projects (370 sites)
- **FY 05/06**: 98 Projects (141 sites)
- **FY 04/05**: 56 Projects (87 sites)
- **FY 03/04**: 18 Projects (27 sites)

• Note: Not all assessment projects lead to priority projects
Implementation progress - Canada’s Economic Action Plan

• Third Parliament report released Sept 29
• Projects
  – Nearly all of the $92 million in 2009-10 funding committed
  – Departments have selected 127 projects for accelerated remediation and will conduct 1,279 site assessments this year.

• Information reported on Public CEAP website
# Plans for 2009/10

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Assessment</th>
<th>Remediation/Risk Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Projects</td>
<td>1350</td>
<td>142</td>
</tr>
<tr>
<td>Existing Projects</td>
<td>550</td>
<td>303</td>
</tr>
<tr>
<td>Total Projects</td>
<td>1900</td>
<td>445</td>
</tr>
<tr>
<td>Funding</td>
<td>$63 M</td>
<td>$282 M</td>
</tr>
</tbody>
</table>
2009/10 Distribution of Funding

- Atlantic: 6%
- Quebec: 4%
- Ontario: 14%
- Prairies: 7%
- BC: 9%
- The North: 60%
- NU: 27%
- NB, PE, NS, NL: 6%
- QC: 4%
- YT: 12%
- AB, SK, MB: 7%
- ON: 14%
- NT: 21%
## Plans for 2010/11

<table>
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<tr>
<th>Project Type</th>
<th>Assessment</th>
<th>Remediation/ Risk Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Projects</td>
<td>1275</td>
<td>217</td>
</tr>
<tr>
<td>Existing Projects</td>
<td>275</td>
<td>227</td>
</tr>
<tr>
<td>Total Projects</td>
<td>1550</td>
<td>444</td>
</tr>
<tr>
<td>Funding</td>
<td>$44 M</td>
<td>$345 M</td>
</tr>
</tbody>
</table>
2010/11 Expected Distribution of Funding

- Atlantic: 5%
- Quebec: 4%
- Ontario: 12%
- Prairies: 6%
- BC: 16%
- The North: 57%
- NT: 19%
- NU: 22%
- NB, PE, NS, NL: 5%
- QC: 12%
- AB, SK, MB: 6%
- YT: 16%
Key Program Accomplishments to Date

- Program development / implementation
  - 4,300 assessment projects completed since 03/04
  - 325 projects at 700 sites currently underway
  - 120 priority projects completed
  - Total project cost since 2003 $802 M, of which the FCSAP program contributed $631M

- Program evaluation completed in 2008
  - Recommendations identified

- Training, Guidance, Procedures, Tools

- Continually implementing Program improvements/streamlining

- Communication products
  - brochures, fact sheets, bookmarks and web portal etc.
Program Challenges

• Measuring success
  – Liability decreases through remediation but progress on assessment often results in an increase in liability – small net effect
  – Measuring risk reduction is complex
  – Site remediation/risk management not a linear process – constant evolution of science and knowledge
Next Steps

- Continue implementation
  - Canada’s Economic Action Plan
  - FCSAP program
- Continue to develop strategies to address program challenges
  - Identify program efficiencies/streamlining
  - Develop consistent tools to demonstrate results, progress and performance
  - Reporting
  - Advance science
  - Training
Thank-you Questions?

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