

**Codes of Practice
for Small Business Sectors
in the CRD**

9th Canadian Pollution Prevention Roundtable
June 1-2, 2005

Core Area Liquid Waste Management Plan



Programs:

- Source control
- Wastewater & marine assessment
- Stormwater quality
- Harbours environmental action
- Trucked liquid waste control
- Inflow, infiltration & overflows
- On-site sewage systems

Core Area Liquid Waste Management Plan

Programs:

- Source control



Source Control Program Objectives



To protect:

- Marine receiving environment
- Sewerage facilities
- Treatment processes
- Public health & safety
- Biosolids quality

What are Codes of Practice?



- Specific to small business sectors
- Generic mandatory requirements
- Supported by Best Management Practices (BMP's) & outreach

Code of Practice Development Process

- Local business profile
- Recommendations from studies
- Identification of priority sectors
- 5 year implementation plan
- Selection of stakeholder task forces



Summary of Codes, Contaminants & Pre-treatment

Code of Practice	Adopted	Contaminants	Pre-treatment
Food Services Operations	1999	fats, oils&grease	grease interceptor
Dry Cleaning Operations	1999	tetrachloroethene (PERC)	separators, activated carbon filters
Photographic Imaging Operations	1999	silver, pH	silver recovery cartridges
Dental Operations	2000	mercury, silver, copper, zinc	amalgam separator
Automotive Repair Operations	2001	petroleum products, metals, solids	oil-water separator
Vehicle Wash Operations	2001	petroleum products, metals, solids	vehicle wash interceptor
Carpet Cleaning Operations	2002	solids, metals, solvents	fine screen
Fermentation Operations	2002	solids, pH	separation, filtration
Printing Operations	2002	solvents, petroleum products, metals	interceptor, oil-adsorbing and activated carbon filters
Laboratory Operations	2003	metals, solvents, pH	contaminant-specific pre-treatment (various)
Recreation Facility Operations	2003	solids, chlorine	filtration, dechlorination

Summary of Progress on Proper Waste Management

Code of Practice	Fully Implemented	Operations Properly Managing Waste
Photo Imaging	June 2000	97%
Dental	July 2001	93%
Food Services	January 2003	62%
Carpet Cleaning	July 2003	80%
Fermentation	July 2003	100%
Auto Repair	January 2004	85%

Results of Five-Year Review

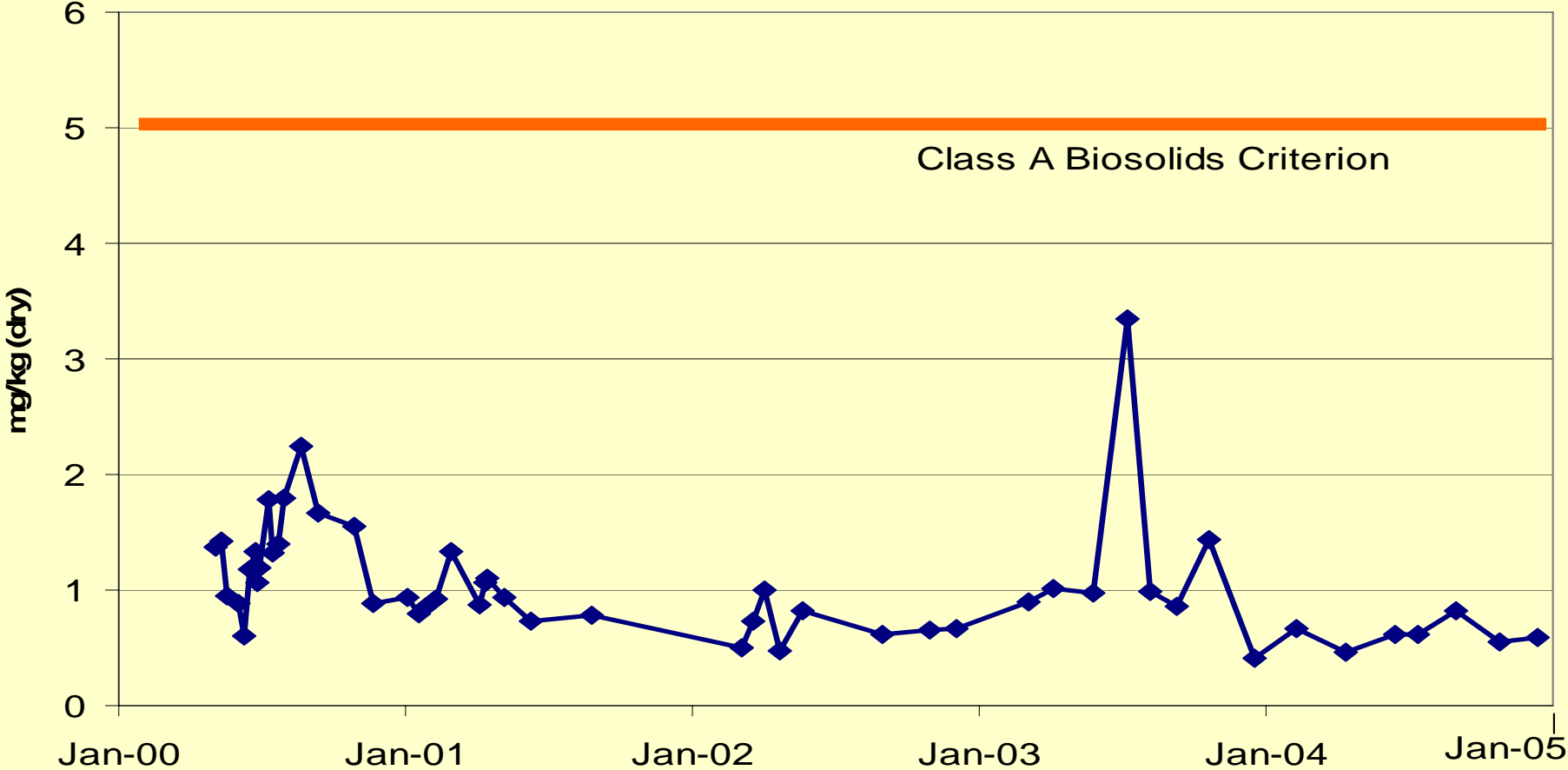


- Program objectives and LWMP commitments met
- Significant reductions in influent contaminant loads achieved
- Improvement in biosolids and sludge quality
- Program compares well to other North American programs

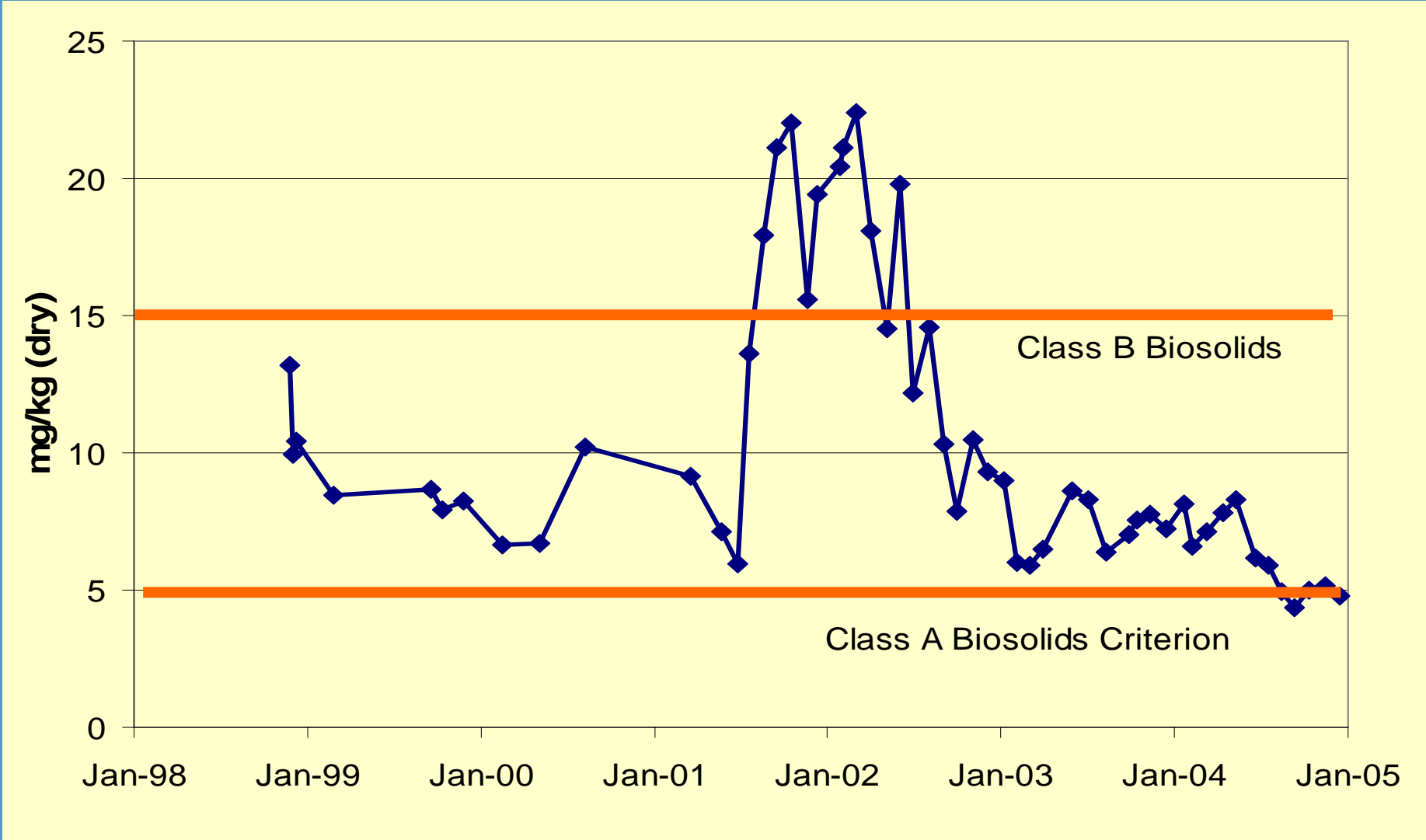
Summary of Core Area Contaminant Reductions (1996 – 2003)

Contaminant	Load Reduction
Mercury	- 70%
Lead	- 57%
Silver	- 54%
Nickel	- 38%
Zinc	- 38%
Copper	- 36%
1,4 –dichlorobenzene	- 63%
Total organic carbon	- 24%

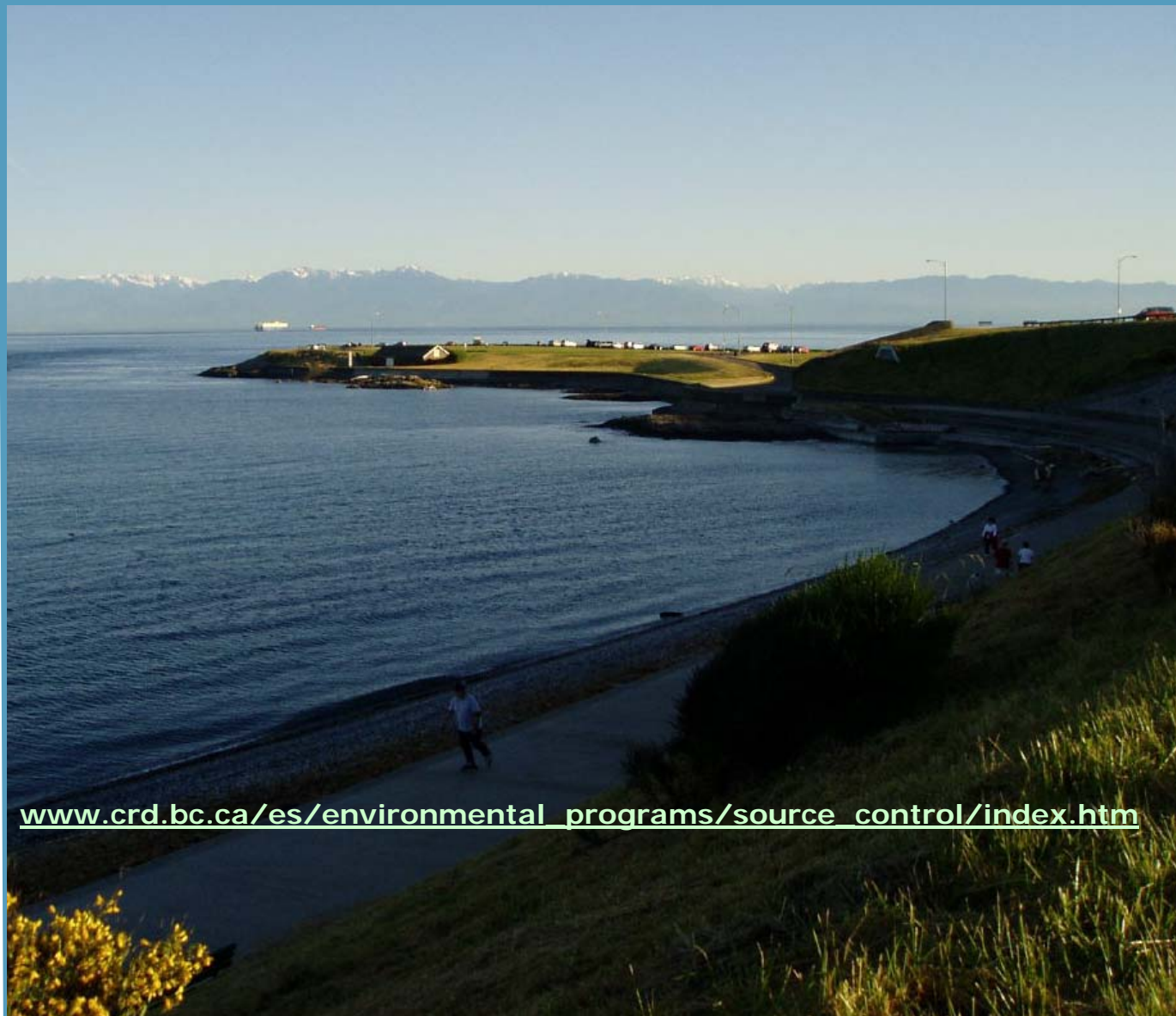
Saanich Peninsula Treatment Plant Biosolids - Mercury



Ganges Treatment Plant Sludge - Mercury



Summary



www.crd.bc.ca/es/environmental_programs/source_control/index.htm