



## Regional Source Control Program



Boat Yard Workshop  
20 October, 2006  
Holiday Inn, Victoria

## Regional Source Control Program

### Purpose:

- To reduce the amounts of contaminants being discharged to sanitary sewers.

### Application:

- Point-of-discharge
- Industries, commercial businesses, institutions & households
- Region-wide



## Program Objectives

To protect:

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



## Sewer Use Bylaw

- Regulatory basis for program (1994)
- Prohibited & restricted wastes
- Waste discharge permits
- Authorizations
- Codes of practice



## Waste Discharge Permits

- Industrial Discharges
- Site-specific pre-treatment requirements
- Monitoring and reporting
- Discharge fees



## Permit Categories

- Manufacturing
- Food processing
- Waste Treatment
- Commercial laundries
- Hospitals
- Groundwater remediation
- Public works yards
- Airport de-icing operations



## Authorizations



- Sani-dumps
- Ship & boat waste facilities
- Laundromats
- Water bottling companies
- Light manufacturing
- Furniture restoration
- Other

## Codes of Practice



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

## 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

## Education & Outreach



### Business

- Guidebooks, posters, brochures
- Bulletins, information sheets
- Web site
- Eco-star awards

### Residential

- Home show events
- Hazardous product information
- Newspaper inserts
- TV / video clips

## 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%

## Summary



[www.crd.bc.ca/es/environmental\\_programs/source\\_control/index.htm](http://www.crd.bc.ca/es/environmental_programs/source_control/index.htm)