

## Non-Point Source Pollution Management

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### Pleasure Craft Sewage

#### Policies

- P26. Designation of No-Discharge Zones**  
Where investigations have shown that discharges from pleasure craft is leading to waterway degradation or high bacterial levels, the District will request the province to nominate the waterway, or portion thereof, for designation as a no-discharge zone under the federal Pleasure Craft Sewage Prevention Regulation.
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#### Commitments

- C40. Pump-Out Facility Inventory**  
The District will complete an inventory of all available pump-out facilities in the region.
- C41. New Marinas and Major Renovations**  
Municipalities will modify or adopt bylaws that require all new marinas, or marinas undergoing renovations that exceed 50 percent of their assessed value, to install pump-out facilities for access by pleasure craft. As appropriate, these facilities should be connected to the municipal sewer system or designed for handling by trucked liquid waste.
- C42. Existing Marinas**  
The District, in consultation with municipalities, marina operators, boaters, and senior government agencies, will undertake a feasibility study to determine how existing marinas can accommodate pump-out facilities, the cost to install such facilities, and how they would be financed, maintained, and operated.
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## On-Site Sewage Disposal Systems

### Policies

- P27. Sewer Extensions and the Green Zone**  
Prior to extending sewers into the Green Zone, as defined by The Livable Region Strategic Plan, the District will request municipalities to examine local servicing and alternate advanced treatment systems.
- P28. On-site systems and disposal to waterways**  
The following guidelines should apply regarding discharges from on-site disposal systems to adjacent waterways. Where there is a conflict between these guidelines and Provincial regulations, the regulations will apply:
- Property owners with BC Hydro service and road access should investigate all land based options including approved innovative technologies and demonstrate that such land based options are non-viable solutions prior to any consideration of sewage effluent discharge into an adjacent water body.
  - Property owners in “isolated” locations without road access, should investigate conventional land-based options and demonstrate that such land-based options are non-viable solutions prior to any consideration of effective innovative technology or sewage effluent discharge into an adjacent water body.
  - The minimum acceptable level of treatment for properties in “isolated” locations having neither BC Hydro service or road access, should be a properly designed septic tank that provides treatment of domestic sewage prior to effluent discharge required to be in accordance with standards stipulated in the new Waste Management Act Municipal Sewage Regulation.
  - There should be no discharge of untreated domestic sewage to the marine/aquatic environment under any circumstances.
  - Property owners discharging to the marine/aquatic environment should obtain discharge permits from the appropriate jurisdiction.

- Property owners discharging or proposing to discharge effluent into an adjacent water body should obtain a “water body” easement for the placement and maintenance of a discharge outfall pipe, from the appropriate jurisdiction.
- Where the authority having jurisdiction for sewage discharge or sewage disposal is other than the local government, and where the bylaws or policies of the local government stipulate standards or requirements higher than those of the authority having jurisdiction, then the authority having jurisdiction should make best efforts to issue approvals which comply with requirements of the local government.

**P29. Assurance Plans**

No innovative treatment systems will be installed in the GVRD unless an assurance plan is in place for the proper operation, maintenance, and performance of the facility. The assurance plan will be developed in accordance with guidelines being prepared under the Ministry of Environment, Lands and Parks Municipal Sewage Regulation.

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**Commitments**

**C43. On-site Disposal Mapping**

The District and its member municipalities will complete an inventory map of areas containing on-site disposal systems on a watershed basis. The District and its member municipalities will also prepare mapping indicating projected on-site system densities to 2021.

**C44. Performance to be Considered by Ministry of Health**

The Ministry of Health will be requested to consider the performance of existing systems, known pollution issues, and projected on-site system densities in the watershed when approving new systems.

**C45. Performance to be Considered by Ministry of Environment, Lands and Parks**

The Ministry of Environment, Lands and Parks will be requested to consider the performance of existing systems and the projected density of on-site systems when assessing nitrate contamination levels in groundwater aquifers.

- C46. Environmental Monitoring and Assessment**  
The District will undertake environmental monitoring and assessments in the region's waterways to identify and determine if on-site disposal systems are contributing to waterway degradation.

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## Agricultural Runoff

### Policies

- P30. Stormwater Consideration by Municipalities**  
Municipalities will consider stormwater runoff from agricultural lands when undertaking integrated stormwater management planning for their municipality.

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### Commitments

- C47. Compilation of Agricultural Watershed Water Quality Data**  
The District will compile the monitoring information and findings from past scientific studies to determine the current base-line data associated with water quality in agricultural watersheds and in receiving waterways.
- C48. Environmental Monitoring and Assessment**  
The District will include waterways in agricultural areas and the associated receiving waterways in its comprehensive water quality monitoring and environmental assessment program. This work will be coordinated with the Nutrient Management Action Plan for the Lower Fraser Valley under the Fraser Basin Council.
- C49. Identification of Water Uses and Water Quality Objectives**  
Through their integrated stormwater management programs, municipalities will identify water uses and water quality objectives for waterways, or confirm the applicability of existing uses and objectives.

## Implementation Schedule – Non-Point Source Pollution Management

| Commitments / Initiatives                      | Budget                    | Year Completed |
|--|---------------------------|----------------|
| <b>C40 – Pump-Out Facility Inventory</b>       |                           |                |
| Regional Inventory and Map                     | Included in annual budget | 2001           |
| <b>C41 – New Marinas and Major Renovations</b> |                           |                |
| <b>Modification or adoption of bylaws</b>      |                           |                |
| City of Burnaby                                | Not Applicable            |                |
| City of Coquitlam                              | Not Applicable            |                |
| City of Langley                                | Not Applicable            |                |
| City of New Westminister                       | Bylaw in place            |                |
| City of North Vancouver                        | Bylaw in place            |                |
| City of Port Coquitlam                         | \$5,000                   | 2002           |
| City of Port Moody                             | Included in annual budget | 2005           |
| City of Richmond                               | \$10,000                  | 2004           |
| City of Surrey                                 | Included in annual budget | 2003           |
| City of Vancouver                              | Bylaw in place            |                |
| City of White Rock                             | Not Applicable            |                |
| Corporation of Delta                           | \$7,000                   | 2005           |
| District of Langley                            | Not applicable            |                |

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|--|--------------------------------------|------|
| District of Maple Ridge  | Not applicable                       |      |
| District of North Vancouver  | Included in annual budget            | 2004 |
| District of Pitt Meadows   | Included in annual budget            | 2005 |
| District of West Vancouver   | Not applicable                       |      |
| <b>C42 – Existing Marinas</b>  |                                      |      |
| Pump-out Facility Feasibility Study  | \$50,000                             | 2003 |
| <b>C43 – On-site Disposal Mapping</b>  |                                      |      |
| On-site disposal inventory and density mapping                                 | \$50,000                             | 2002 |
| <b>C46 – Environmental Monitoring and Assessment</b>                           |                                      |      |
| Monitoring program in consultation with the Environmental Monitoring Committee | Included in annual monitoring budget | 2005 |
| <b>C47 -Compilation of Agricultural Water Quality Data</b>                     |                                      |      |
|  | Included in annual monitoring budget | 2004 |
| <b>C48 -Monitoring and Assessment, Agricultural Areas</b>                      |                                      |      |
| Monitoring program in consultation with the Environmental Monitoring Committee | Included in annual monitoring budget | 2005 |