

## **SEDIMENT CONTROL REQUIREMENTS: LARGE PROJECTS**

The purpose of this guide is to inform applicants for demolition and/or building permits of their responsibility to prevent the discharge of any “prohibited substances” into the City storm drain or drainage system.

Required Include:

1. Allowing a prohibited substance to enter the City drainage system is a significant environmental concern, and a violation of the Stream and Drainage System Protection Bylaw, No. 7541, 2003.
2. As part of the demolition and building application process, applicants must submit a “Sediment Control Plan”, in compliance with the requirements of the “Stream and Drainage System Protection Bylaw, No. 7541, 2003”.
3. No permit will be issued until the Sediment Control Plan has been implemented, and the erosion control issues on your site mitigated to the City’s satisfaction.
4. The Sediment Control Plan must include all of the works and measures required during all phases of the construction work to prevent the discharge of prohibited substances to the drainage system.
5. The Sediment Control Plan must be signed and sealed by a professional engineer registered as a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia.

The Sediment Control Plan shall include:

1. Detailed plans, specifications and design calculations necessary to describe any works required to convey, control and treat suspended solids in run-off water from the site;
2. A monitoring program to measure the suspended solids in the run-off water discharged from the site. The results of the monitoring program shall be made available to the City upon request; and,
3. An operation and maintenance program during all phases of the construction work that contains a maintenance schedule, methodology and maintainer’s name and address and emergency contact telephone number.

The Sediment Control Plan shall include a letter of undertaking signed by a professional engineer, who commits to accept responsibility for the management of the Sediment Control Plan, including:

1. The inspection of the construction work to ensure that construction is in accordance with the approved Sediment Control Plan;
2. The periodic inspection of the construction work to ensure that the standards for "Excessive Suspended Solids Discharge" established by this bylaw are not exceeded;
3. Inspection of the receiving waters of the "drainage system" during the "construction work", to determine whether "Excessive Suspended Sediment Discharge" has occurred.

The City of North Vancouver "Stream and Drainage System Protection Bylaw", No. 7541, 2003 includes the following definitions:

"Prohibited Substances" include:

- pesticides, herbicides, fertilizers, soaps, detergents, household and commercial grade cleaning compounds, paints, solvents, chemicals, chlorinated water, waste oil or any material or substance which is a "hazardous product", "contaminant", "toxic substance", "deleterious substance", "special waste", dangerous good" or "reportable substance" that is identified or described in or defined by any applicable statute, regulation or law, including any substance that violates the Fisheries Act R.S.C. 1985 or the Waste Management Act R.S.B.C. 1996, c.482 which, if introduced to the "drainage works", would foul it; or
- any sediment, rock, gravel, sand, clay, silt, sediment, earth, construction or excavation wastes, cement, concrete, exposed aggregate wash water or other substances which, when introduced into a drainage system, will at the point of deposition, result in an "Excessive Suspended Solids Discharge" or a pH value outside of the range 6.5 - 8.0, or temperature increase of 2 degrees Celsius or more.

"Excessive Suspended Solids Discharge" means the discharge of a fluid containing "total suspended solids" of 25 milligrams per litre above background "total suspended solids" of the receiving environment during the months of May to September, or 75 milligrams per litre above background "total suspended solids" of the receiving environment during the months of October to April.

Enforcement and Penalties:

Allowing any material from your site to enter City streams or the storm drainage system is a serious environmental concern, and is prohibited under the Stream and Drainage System Protection Bylaw, No. 7541, (2003). Penalties include fines of up to \$10,000.00 per offence.

As the City drainage system is connected to fish-bearing streams and Burrard Inlet, any discharges to the storm drain are also prohibited under the Federal Fisheries Act, with fines of up to \$300,000.00 for first time offences.

Please Note: This bulletin is provided as a reference guide only. It is the responsibility of the applicant to ensure compliance with all applicable by-laws and legislation.