

ITEM	5
MANAGER'S REPORT NO.	43
COUNCIL MEETING	93/06/28

TO: CITY MANAGER 1993 JUNE 23

FROM: MEDICAL HEALTH OFFICER

SUBJECT: SILT CONTROL FROM CONSTRUCTION SITES

PURPOSE: 1. TO OUTLINE ADMINISTRATIVE PROCEDURAL CHANGES
REQUIRED TO IMPROVE SILT CONTROL IN WATERCOURSES
ADJACENT TO DEVELOPMENT SITES.
2. TO IDENTIFY POTENTIAL PUBLIC INFORMATION MEASURES
TO ASSIST IN REDUCING THE PROBLEM OF SILTATION IN
WATERCOURSES.

RECOMMENDATIONS:

1. THAT this report be received for information purposes.

REPORT

1.0 INTRODUCTION

At the regular Council Meeting on 1993 April 05, Council requested a staff report outlining administrative procedural changes required to improve silt control in watercourses adjacent to sites under development, including single and two family dwellings. In addition, the report was to identify potential public information measures to assist in reducing the problem of siltation in watercourses.

2.0 ADMINISTRATIVE PROCEDURAL IMPROVEMENTS RESPECTING SILT CONTROL REQUIREMENTS FOR SITES UNDER DEVELOPMENT.

For any residential, commercial and/or industrial developments in Burnaby, the owner is required under the provisions in the Burnaby Watercourse Bylaw to install and maintain a sediment control system.

As a component of the rezoning and/or subdivision application review process, Environmental Health Services comments on the requirement of silt control measure(s) to minimize discharges of contaminants to the storm sewer during site development.

During the preliminary plan approval process for the development of industrial, commercial or multi-family dwellings, the applicant is required to submit detailed silt control plan(s) for the site. During the construction stage, random site inspections are conducted by Environmental Health Services' staff to ensure that appropriate silt control measure(s) are constructed, installed and maintained.

With respect to single and/or two-family residential dwellings, Environmental Health Services does not review the related plans for these developments. To assist an owner of a single and/or two-family residential development in complying with the bylaw, Environmental Health Services' staff, in conjunction with the Engineering and the Planning and Building Departments, have developed the following administrative procedural improvements:

1. An information bulletin on silt control measure(s) (See Attachment #1) is to be provided to the applicant by the Planning and Building Department's staff when a building permit for the construction of any single and/or two-family residential dwellings is issued;
2. For those proposed single and/or two-family residential dwellings located adjacent to the creeks identified to be of importance to the B.C. Ministry of Environment, Lands and Parks - Water Branch, and the Federal Department of Fisheries & Oceans (See reduced sketch plan, Attachment #2), proposed plans are to be forwarded to Environmental Health Services for review and comment. In addition, the applicant is also notified to obtain approvals from the aforementioned agencies. Building permits are withheld until comments from Environmental Health Services, Federal Department of Fisheries & Oceans and the B.C. Ministry of Environment, Lands and Parks have been received by the Planning and Building Department.

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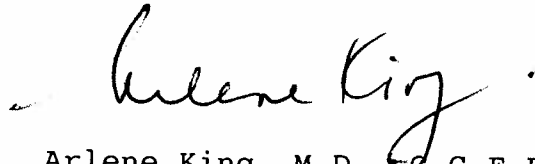
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3.0 IDENTIFICATION OF POTENTIAL PUBLIC INFORMATION MEASURES TO ASSIST IN REDUCING THE PROBLEM OF SILTATION IN WATERCOURSES

The installation of spill reporting signs adjacent to various creeks throughout Burnaby has assisted in minimizing discharges to watercourses. However, an article in the upcoming issue of Information Burnaby would further increase public awareness regarding discharges of silt and other contaminants to watercourses.

4.0 CONCLUSION

The outlined administrative procedural improvements with respect to silt control for single and/or two-family residential developments will complement existing administrative practices to further reduce silt discharges to storm sewers during site developments. In addition, placement of an article in the upcoming issue of Information Burnaby will further enhance public awareness regarding this subject.



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MEDICAL HEALTH OFFICER

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Attachments

cc: Chief Environmental Health Officer
Director Administrative &
Community Services
Director Planning & Building
Chief Building Inspector
Director Engineering

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ATTACHMENT #1

SILT CONTROL GUIDELINES FOR SINGLE AND TWO FAMILY DWELLINGS

The Burnaby Watercourse Bylaw No. 9044 prohibits discharge of silt and other contaminants to stream, creek, waterway, watercourse, waterworks, ditch, drain, sewer, storm sewer or the soil. The purpose of these guidelines is to provide information on measures to minimize erosion and release of sediment offsite by controlling the site development and construction activities. These include:

Site Layout and Clearing:

- Retain existing vegetation and ground cover where possible.
- Restrict vehicle access and provide a surfaced working area.
- Minimize clearing and stripping of set backs and easements.
- Clearly mark building area and cleaning boundaries onsite.

Soil Erosion Control:

- Cover temporary fills or stockpiles with polyethylene or tarps.
- Re-vegetate or final landscape disturbed areas as soon as practically possible.
- Limit machine access and operation to prepared access areas only.

Drainage and Sediment Control:

- Divert runoff away from cleared areas by use of low berms.
- Utilize silt fences around soil stockpiles and sloped areas.
- Where possible, collect runoff into site sediment traps prior to discharge offsite.

For further information and or clarification on the above, please contact Burnaby Environmental Health at 294-7390.

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