

CITY OF BURNABY

ENVIRONMENT AND WASTE MANAGEMENT COMMITTEE

HIS WORSHIP, THE MAYOR
AND COUNCILLORS

RE: STREAM SAMPLING PROGRAM IN SOUTH BURNABY

RECOMMENDATIONS:

1. **THAT** Council approve a diazinon sampling program for Burnaby streams as outlined in this report at an approximate cost of \$6,500 to be drawn from operating contingency.
2. **THAT** a copy of the report be forwarded to the Parks, Recreation and Culture Commission and Simon Fraser University.

REPORT

The Environment and Waste Management Committee, at its meeting held on 2000 April 11, received the *attached* report outlining a potential partnership between the City of Burnaby and Simon Fraser University to undertake a study to determine levels of diazinon in Burnaby streams.

Arising from discussion, the Committee endorsed the stream sampling program. The Committee noted that SFU has agreed to subsidize the project with a \$5,000 assistantship for student field analysis related work. The Committee concluded by advising that the net cost to the City, after the \$5,000 assistantship, would be approximately \$6,500.

Respectfully submitted,

Councillor D. Johnston
Chair

Councillor C. Redman
Member

Councillor B. Der
Member

:COPY - CITY MANAGER
- DIRECTOR ENGINEERING
- DIRECTOR FINANCE

TO: CHAIRPERSON & MEMBERS
ENVIRONMENT & WASTE
MANAGEMENT COMMITTEE

DATE: 2000 04 11

FROM: DIRECTOR ENGINEERING

FILE: 60-05-01

SUBJECT: STREAM SAMPLING PROGRAM IN SOUTH BURNABY

PURPOSE: To provide the Committee with additional cost information on the study of Diazinon levels in Burnaby streams

RECOMMENDATION:

1. **THAT** this report be received for information.

R E P O R T

INTRODUCTION

At the Environment and Waste Management Committee of 2000 February 08, the Committee received a staff report on the cost of undertaking a limited Diazinon study in Burnaby streams. The study would focus initially in the Big Bend area to confirm the levels of Diazinon, a broad spectrum insecticide used in agricultural and non-agricultural settings to control a wide range of sucking and leaf eating insects.

The report indicated that the cost of sample analysis (7 stations with sampling frequency extended over three time periods) would be approximately \$7,200.00. Arising from the discussion of the report, the Committee requested staff to investigate the feasibility of creating a partnership with Simon Fraser University to conduct the Diazinon study.

Pursuant to the Committee's request, staff have discussed the matter with SFU officials and the outcome of the discussion is presented in this report.

STATUS UPDATE

Following the discussion between City and SFU staff on the potential partnership in the Diazinon sampling program, we have received a proposal from SFU offering their service to undertake the program as a research project with grant funding from the City. Under the terms of the research

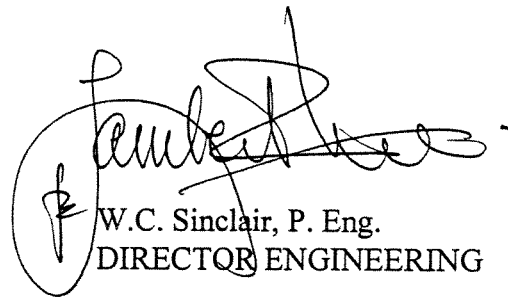
project, SFU reserves the rights to publish the results of the program as scholarly publications or graduate thesis. As part of the research project, SFU would subsidize the project with a \$5,000 student research assistantship for student field analysis related work. The net cost to the City, after the \$5,000 assistantship, would be approximately \$6,500 and the cost would include approximately 50 sample analyses based on single parameter (Diazinon) and related student field work and interviews with farm operators.

Staff are mindful of the in-kind contribution from SFU which would provide an excellent opportunity for partnership between the City and SFU and would stimulate further collaborative research efforts in the future.

FINANCING

The cost to the City for the Diazinon sampling program would be approximately \$6,500.00. As the testing for Diazinon is beyond the scope of the City's regular stream sampling program which focus primarily in bacteriological water quality data, there is no provision in the City's 2000 budget for the expanded chemical analysis. However, should the Committee and Council wish to undertake the work, the funds required could be drawn from Operating contingency. The Director Finance confirmed there is sufficient funding available to finance the proposed work.

In order to proceed with the program, Council approval of the expenditure is required. This is provided for the information of the Committee.



W.C. Sinclair, P. Eng.
DIRECTOR ENGINEERING

LSC:jh

cc: City Manager
Director Finance

