



Ontario

Ministry
of the
Environment

Central
Region

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Don Mills, Ontario
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(416) 424-3000

1982 09 20

Mr. Michael H. Boggs
Chief Administrative Officer
City of Burlington
P.O. Box 5013
Burlington, Ontario
L7R 3Z6

Dear Mr. Boggs:

Re: Bayview Park
Former Landfill Site
City of Burlington
Our File No. WM 11-02

This will acknowledge the City's request of August 10, 1982, that the Ministry of the Environment Laboratories perform the chemical analysis on samples collected at the above site. While the Ministry should be able to assist the City it is our opinion that long term monitoring should be a prerequisite not only to determine the extent of any pollutant migration as it may exist today but to serve as an early detection system for any environmental problems that may arise in future.

On the basis of discussions with our staff in your office on June 9, 1982, it is our understanding that the proposed study by the Waterloo Hydrogeology Group could compliment the City's program at the closed landfill site and as such is a reasonable use of our laboratory facilities. However, with the cost and increasing demands for sample analysis, we are instructed to continually review the analytical requirements and priorities being committed to our laboratory to reduce anticipated delays in obtaining analysis results in future. At present the analytical capability of our laboratory facility is being fully utilized in carrying out our routine programs and analysis requirements in support of special projects. With these constraints we find it necessary to reserve a decision on committing our laboratory to perform the analyses until the Ministry has had an opportunity to review the City's program. Once the details of the sampling program are available for our review, we will assess the commitment to our facilities and the completeness of the monitoring program in meeting all the requirements of the participating parties, including the Ministry of the Environment.

In our opinion there exists a need for the City to establish terms of reference for the establishment and implementation of a long term monitoring program at the Bayview Park Site. Initially a comprehensive program should be implemented to provide extensive monitoring of ground water, surface water, gas and leachate. In order to provide the analytical capability to carry out the large number of analyses at our laboratory the Regional Municipality of Halton will be asked to review their landfill monitoring programs and to assess the possibility of reducing their analytical requirements at our facility. Provided Halton agrees and their Hydrogeologist confirms that this is reasonable based on the data collected to date, an extensive program could be undertaken at the Bayview Park Site without increasing the current commitments at our laboratory.

The monitoring programs carried out by Halton Region are well developed providing very extensive and comprehensive monitoring at their sites. With the progress that has been made at these sites in data collection, data interpretation and reporting on findings, conclusions and recommended remedial measures, a reduction in the number of analysis performed on samples from these sites may be justified.

The City is therefore requested to submit terms of reference prepared by the City's Hydrogeologist for the establishment of a long term monitoring program at the Bayview Site. As part of the terms of reference the Hydrogeologist should be required to site permanent sampling stations based on the physical setting of the landfill and the geological and hydrological characteristics on and adjacent to the site. The consultant should provide recommendations on the frequency of sampling, parameters to be analyzed, data presentation and interpretation, and method of reporting on the results, findings, conclusions and any recommendations for remedial measures. With the establishment and implementation of a satisfactory monitoring program at the site we can be assured that the Ministry's participation in the test program by the Waterloo Hydrology Group will compliment the City's program to provide monitoring at the site to the satisfaction of the Ministry of the Environment.

By copy of this letter to George N. Woodburn, Senior Waste Disposal Engineer with the Regional Municipality of Halton we are requesting that they assess the current requirements of their landfill monitoring programs and advise on a possible reduction in their laboratory requirements. If you have any comments or questions concerning the establishment

of a suitable program at the site, please contact our Mr.
G. L. McCarty at this office.

Yours truly,

A handwritten signature in dark ink, appearing to be 'G.R. Trewin', with a stylized, flowing script.

G.R. Trewin, P. Eng.
Manager
Municipal and Private
Abatement Section

GLM/yf

cc: Mr. George N. Woodburn
Alderman W. Mulkewich, Chairman
Solid Waste Management Committee