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DATE 13 May 1997

TO/DEST. The Chair and Members of Council

FROM/EXP. Director Engineering Division
 Environment and Transportation Department

SUBJECT/OBJET **HEMLOCK SEWAGE PUMPING STATION**
 CLASS ENVIRONMENTAL ASSESSMENT

INTRODUCTION

This report, prepared for information purposes, will outline the Environmental Study Report highlights for the Hemlock Sewage Pumping Station as well as the process followed to conform with the Class Environmental Assessment requirements.

BACKGROUND

The Hemlock Sewage Pumping Station is owned and operated by the Regional Municipality of Ottawa-Carleton. The pumping station is located in the Village of Rockcliffe Park adjacent to the outlet of McKay Lake and north of Hillsdale Road. The pumping station currently serves a portion of the Village of Rockcliffe Park, an RCMP facility located north of Sandridge Road and the City of Ottawa's Manor Park Subdivision. The majority of the area which drains to the pumping station is serviced with combined sewers. As a result, during spring melt/rainfall conditions, a significant volume of effluent arrives at the pumping station. Volume in excess of pumping station capacity bypasses the pumping station into a storm sewer, which ultimately discharges into the Ottawa River. The Village of Rockcliffe Park has a long-term sewer separation program in place. As this program is implemented there will be some reduction in the flows arriving at the pumping station.

PROBLEM DESCRIPTION

The Hemlock Sewage Pumping Station was constructed in 1959 and many components of the station are nearing the end of their useful life. The station was originally constructed to meet the operational maintenance and safety standards of its day.

Information Previously Distributed

To be listed on Planning and Environment
Committee Agenda of 10 June 1997

Since then a number of these standards have been revised/upgraded which has resulted in the station not meeting a number of these current standards.

The Regional Municipality of Ottawa-Carleton retained the services of Cumming Cockburn Limited to evaluate the existing pumping station and to complete an Environmental Assessment on the proposed solution.

RECOMMENDED SOLUTION

The following four alternative solutions were considered;-the 'do nothing' alternative-upgrade existing station, sewage treatment on site, and construction of a new combined sanitary pumping station.

Very early in the assessment it became apparent that the construction of a new pumping station was the most practical and cost-efficient solution. The new station will have increased capacity which will reduce the volume and frequency of overflows at this location.

For the construction of a new pumping station it was determined that a Schedule 'B' Class Environmental Assessment would fulfil the requirements of the Ontario Environmental Assessment Act. In addition, since the pumping station would be located on federal property (land owned by the National Capital Commission), the requirements of the Canadian Environmental Assessment Act would also have to be met. A combined process was used which addressed all the various Provincial and Federal environmental issues effecting the construction of a new pumping station.

The new pumping station will consist of a one-storey building approximately 50 m² (500 sq. ft.) in area. The building will contain electrical and SCADA controls and the stand-by diesel generator. The pumps will be located below grade in a wet well adjacent to the building.

Design is scheduled to be completed by the end of 1997. The project would then be tendered in early 1998 with construction taking place during the remainder of 1998. The new pumping station would be commissioned in early 1999.

CONSULTATION

As part of the environmental assessment process, two public Open Houses were held in the Village of Rockcliffe Park in addition, meetings were held with The Village of Rockcliffe Park Environment and Site Plan Committees and the National Capital Commission. No significant environmental issues arose at the Open House or these meetings. The majority of the issues raised relate to appearance, aesthetics, preservation of natural areas and noise levels. All these will be addressed during the detail design phase.

An Environmental Study Screening Report was produced which identifies and addresses all the issues raised during the process.

This report was filed for public input on 30 April 1997. If no written comments are received by 4 June 1997, the sewage pumping station will proceed to design and construction.

*Approved by
J. Miller, P.Eng.*