

ENVIRONMENTAL ASSESSMENT – REGISTRATION FORM

NAME OF UNDERTAKING: Town of Torbay Municipal Water Supply – North Pond South Pond Connection

PROPONENT:

- (i) Town of Torbay
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THE UNDERTAKING: The nature of the undertaking consists of construction of a 2m high earth fill dam with a concrete spillway, along with an open channel connection with control structure between North Pond and South Pond.

The purpose of this undertaking is to supplement the existing Town of Torbay municipal water supply located at North Pond, by expanding its watershed to include South Pond.

DESCRIPTION OF THE UNDERTAKING:

(i) **Geographical Location:** With reference to the enclosed plan, entitled “*Town of Torbay Boundary, Mapping and Zoning*” the geographical location is comprised of neighbouring ponds located within the limits of Torbay’s municipal boundary, in an area designated “Watershed” by municipal zoning regulations.

- (ii) **Physical Features:** Physical features of the undertaking consists of a proposed earth fill dam and concrete spillway located at the outlet of South Pond, along with an open channel connection between North Pond and South Pond having a control structure located at South Pond. A Concept Plan of the proposed works is enclosed for information purposes.
- The earth fill dam would have a height of 2m and would effectively raise the water level of South Pond by 1m, while the channel connection will span approximately 300m of land between the neighbouring ponds. The channel depth will vary with topography, having a maximum depth of 5m.
- (iii) **Construction:** Total construction period is anticipated to be two (2) months. The proposed first date of physical construction activity would be during early Spring 2005, in order to have the water supply supplement available during drier months of summer. Potential sources of pollutants during construction would involve siltation related to excavation activity for the channel and construction of the earth fill dam, and a probability of pollution related to the presence of construction equipment.
- (iv) **Operation:** Operation of the control structure between North Pond and South Pond is anticipated to be conducted through manual operation of a sluice gate, which will be opened or closed according to water levels in North Pond. This operation would maximize storage in North Pond, while minimizing spillage from either North Pond or South Pond.
- (v) **Occupations:** The Town of Torbay currently has personnel that operate and maintain the Towns municipal water distribution system. These personnel would monitor water levels and operate the control structure whenever required.
- (vi) **Project Documents:** “*Town of Torbay Water Supply Alternatives (1998 Update)*”, Newfoundland Design Associates Limited, 1998. This report summarizes various aspects of the proposed undertaking, including water quality sampling.

APPROVAL OF THE UNDERTAKING:

The main authorizations required for the undertaking consist of Provincial Department of Environment and Conservation Approval, Provincial Department of Municipal and Provincial Affairs Approval, as well as Municipal Council Approval.

SCHEDULE:

Assuming all approvals are in place, the earliest desired construction commencement date would be early Spring of 2005. This would allow construction to be complete by Summer of 2005, allowing the Town to supplement its existing water supply during the drier months of summer.

FUNDING:

This undertaking would be conducted through currently approved Multi-Year Capital Works Funding on a 50/50 basis between the Provincial Department of Municipal and Provincial Affairs and the Town of Torbay.

An estimate of Capital Costs for the undertaking at this time amounts to approximately \$357,000 including HST.

Date: _____

Signature: _____