



NAME OF UNDERTAKING: Labrador City Storage/Waste Transfer Facility

PROPONENT:

(i) Name of Corporate Body:

Matrix Environmental Incorporated

(ii) Address:

10 Ilsley Avenue, Suite 3
Dartmouth, Nova Scotia
B3B 1L3

(iii) Chief Executive Officer:

Name: Alton Payne
Official Title: President
Address: 10 Ilsley Avenue, Suite 3
Telephone No.: (902) 468-2771

(iv) Principal Contact Person for Purposes of Environmental Assessment

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THE UNDERTAKING:

(i) Nature of Undertaking:

Matrix Environmental Incorporated (Matrix) has developed a management plan to construct and operate a temporary waste storage facility for industrial and hazardous wastes in Labrador City, NF. This management plan will include a certificate of approval to operate the facility and a transportation system in order to service our clients.



(ii) Purpose/Rationale/Need for the Undertaking:

The purpose of this undertaking is to better service our clients in the waste management industry. By establishing a waste transfer building and associated transportation network we are confident we will be able to:

- reduce the associated costs to our clients
- reduce the time required for service
- provide expertise and professional services at the local level

DESCRIPTION OF THE UNDERTAKING:

(i) Geographical Location:

The temporary storage building for industrial and hazardous wastes will be located in Labrador City Industrial Park, Labrador City, Newfoundland. The building is neighbored to the north, south, east and west by undeveloped industrial lots. Additional land use of the surrounding area is industrial. Land use for this project is type F as per Use Zone Table of the Labrador City Development Regulations.

Please see appendix for site location maps, existing access routes, and visual depictions.

(ii) Physical Features

The location of the facility will be in the Labrador City Industrial Park, Labrador City, Newfoundland.

The aforementioned industrial park is located along the Town's most easterly boundary on approximately 25 acres of land. The town is strategically positioned to access Labrador West's large industrial base and extensive transportation network.

The industrial park is presently flat undeveloped woods and scrub land.

(iii) Construction

Construction of the facility will commence immediately after all applicable permits are in place. Matrix wishes to start construction mid summer of 2002 with a completion date tentatively late fall 2002.



There are no potential sources of pollutants during construction other than from heavy equipment mishaps.

There are no potential causes of resource conflicts.

(iv) Operation

Matrix intends to construct and utilize a self-contained, non-combustible structure for the purpose of temporarily storing drummed wastes. This operation would be limited to storing and/or bulking drums for out of province disposal. The wastes would be limited to liquid and solid industrial wastes with the majority being petroleum based. A portion of these wastes would be bulked on site into tanks or sealed roll-off containers as part of the waste management system.

To coincide with this building and enabling Matrix to service it's clients a transportation system in the form of a hazardous waste transport permit is also being requested.

The building will have a total of approximately 4,000 square feet with a 4" reinforced epoxy coated floor and a HDPE liner underneath the floor. The floor will be surrounded by a 4" concrete berm which supplies containment. The building will be all steel and have two 10' x 12' roll up steel doors along with man-doors.

The building will be divided into two sections. One section will be for truck wash outs and the other for drum storage. The truck wash out side will be complete with an oily water separator.

All drums will be stored within the building and kept on pallets therefore allowing good visibility of all materials.

Adjacent to the building there will be a 25' x 45' bermed containment pad for the storage of roll-off containers to be used for bulking solid petroleum based wastes. And an optional additional 100' x 100' bermed containment pad for the storage of soil to held for eventual thermal treatment.

There will also be a small tank farm consisting of 2 x 36,000 L mild steel tanks. These tanks will be horizontal above ground tanks surrounded by a concrete dyke and used to store liquid petroleum based wastes.



The facility would be for **temporary storage** of wastes only and have limited operations as follows:

- Storage of drums for further shipment
- Bulking of solids into roll-off containers for further shipment
- Bulking of waste oil, oily waters and antifreeze for further shipment
- Consolidation of lab packs and lab pack items for further shipment
- Temporary storage of contaminated soils for treatment

Matrix will ensure that all waste handled under the approval is shipped to receiving facilities approved to handle such waste by the environmental regulatory agency of the receiving jurisdiction.

An on-going inventory of all materials received, stored and shipped will be maintained at all times.

A maximum of 520 drums, 72,000 L of liquid petroleum wastes, 50 cubic yards of solid petroleum wastes, and 100 metric tonnes of contaminated soil will be stored on site at one time.

Wastes received will be limited to:

- Greases
- Oily rags and sorbents
- Petroleum contaminated soil
- Used oils and antifreeze
- Waste fuels (TDG class 3 only)
- Waste solvent (TDG class 3 only)
- Miscellaneous lab packed materials such as lab chemicals and household hazardous wastes (TDG class 2.1, 3, 4, 5.1, 6.1 & 8)

Matrix wishes to be able to accept from the Atlantic provinces and the province of Quebec.

A safe, contained, properly run temporary storage unit such as the one proposed poses minimal risk to the environment. There will be no discharge of wastes to the environment and no fugitive air emissions. A temporary storage facility in this location also enables quick response to our clients in the region. It will also provide a drop point for HHW material from local residents.



Potential sources of pollution include mechanical leaks from equipment used and spillage of wastes. Equipment will be kept in good repair, inspected regularly, and properly maintained. Drums will be of good integrity, overpacked as required, and inspected regularly. There will be ample spill response equipment and supplies on site at all times and all staff will be properly trained in its proper use.

The site will be managed and occupied by one on-site manager and two trained technicians.

Personnel will be trained in TDG, WHMIS, first aid, confined space and 40-hour HAZWOPER.

A full contingency plan will be in place and made available to your department when operations at the facility begin.

(v) Occupation

The anticipated occupations required for this facility are:

- Inspector, hazardous waste, environmental health (1)
- Material handlers (2)

APPROVAL OF THE UNDERTAKING:

This undertaking will require the following:

- Release of the undertaking under the Environmental Assessment Act – Department of Environment
- Certificate of Approval from the Department of Environment
- Building Permit for the Town of Labrador City

SCHEDULE:

Assuming all approvals and permits are in place construction could commence mid July, 2002 and completed late September, 2002.

These dates have been selected as Matrix would like to proceed with this business development quickly due to our clients needs and market conditions.



FUNDING:

This project is not dependant on any government funding.

Date

Signature of Chief Executive Officer