

MINUTES

TECHNICAL COMMITTEE

CENTRAL NEWFOUNDLAND SOLID WASTE MANAGEMENT

January 29, 2004 at 10:00 A.M. Gander Town Hall

Present: Jeff Saunders, Chairperson
Cluny Matchim
Allan Scott, Chairperson Executive Committee
Wayne Manuel, Bae Newplan

Committee Structure

Merv Roach, a committee member has moved away creating a vacancy on the Technical Committee. The committee decided not to fill the position until the Environmental Impact Study is requested and then a decision will be made based on requirements of the Technical Committee.

Environmental Impact Study

Most of the background information required to submit the project for E.I.S. registration is addressed in the existing reports. It will take approximately one week to finalize the application. The Committee suggested that Bae Newplan prepare the cost to finalize the application for presentation at our next executive meeting.

Site Selection

The Committee discussed the process for site relocation and the constraint mapping that was used to determine the possible site. In light of the discussion over the chosen site at our last meeting, the Committee asked Bae Newplan to prepare a Power Point presentation on the process for our next executive meeting.

Preliminary Financial Investigation

The Committee discussed the financial cost of three sites. Number one did prove to be the most economical.

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There was discussion on the costs for fire protection. It appears to be high and the Committee suggests there must be more economical means of meeting this requirement. Bae Newplan did state that this is the worst

case scenario. The costs could be reduced with a storage pond adjacent to the site.

Detailed Investigation

When site screening process and financial analysis was completed, site no. 1 was chosen for further detailed investigation. Components of the investigation are as follows:

- Site Development Concept
- Land Use Conflicts
- Archaeological
- Receiving Water
- Geotechnical
- Hydrogeology

The investigation also included review of information collected during the original ranking process.

The investigation has established that site no. 1 meets all of the technical criteria required for further consideration as the preferred site of the regional waste management facility.

Alternative Daily Cover System

The site analysis identified an acceptable fill layer over the site. The material is high in silt content but will be used as daily cover material.

Local Waste Management Facilities

The Committee discussed the locations. Two had changed from the original report (Botwood moved to Northern Arm on Point Leamington access road and Virgin Arm location moved to an area across from the school).

The level of service to all areas is critical. The regional committee will have to consider having this addressed. Municipalities may have to compliment

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the services provided by the regional authority. This will have to be conveyed to the communities.

A review of the costs identified the cost for Buchans to be high and alternatives may have to be considered. Capital costs for the sites are similar due to minimum sizing but the operating costs will vary depending

on use.

Material Recovery System (M.R.F.)

The draft “Environmental Standards for Material Recovery Facilities” was followed in determining the requirements for the M.R.F.

The capital cost of this facility is 7.6 million with an estimated annual operating cost of 1.1 million.

It was assumed that the M.R.F. would operate for two shifts Monday to Friday. This resulted in the building and equipment being sized smaller to accommodate this operation and reduce costs.

Compost Facility

Two options were considered:

1. Wright Environmental Composting System
2. US Filter IPS Composting System

Both methods were acceptable and costs were comparable. IPS system is preferred because it provides a higher quality compost using lower quality feedstock. This system also allows more flexibility than the Wright system.

Household Hazardous Waste

Household Hazardous Waste will be collected at each facility. This will provide a standard level of service to municipalities.

Construction and Demolition Site

There will be a C & D site at each facility. This will provide a standard level of service to municipalities.

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Landfill Facility

This is the final step in the Waste Management System. The government has not yet finalized the guidelines covering liners. There is still the question on whether clay will be considered as a liner.

We have decided to construct a five year cell with a two year curtain separation.

There are several ways to treat the leachate. The final decision will be

made during the design process.

The landfill is scheduled to be open 5 ½ days per week to accept waste from the public.

Total waste collected (residential and IC and I) in the region presently is 46,500 tonnes. The volume used for the costing model is 40,596 tonnes. This number will change when residents become more involved in waste reduction.

Costs of Regional Waste Management System

The total capital cost is \$42,267,655.00 with an estimated operating cost of \$4,162,801.00. The cost estimated for public education was reduced from \$300,000.00 to \$200,000.00 and the administration cost was reduced from \$350,000.00 to \$300,000.00.

The estimated tipping fee is \$102.54 per tonne or \$34.91 per person.

Phasing of Project

The Committee discussed how to implement this project. It would not be wise to attempt to have all aspects of the project coming on stream at the same time.

The recommend phasing is as follows:

- Construct the regional landfill and have municipalities who haul directly to the site use the facility.

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- Construct transfer station. When these are complete, all waste will be going to landfill site.
- Construct compost facility to eliminate organics going to landfill.
- Construct M.R.F.

There was concern expressed with respect to government making the strategy mandatory. If government does not make all municipalities participate in the regional authority then the project will not succeed. The only way to meet the strategy is to have the M.R.F., composting, recycling and 100% participation from communities.

In order for us to meet the strategy, scheduling is important and we must prepare a realistic schedule for presentation to government when the report is final. Also, government must finalize the Regional Authority

Legislation to allow the regions to set up an authority to govern the facility.

It is also recommended that no work will start until 100% funding is in place for the project.

The curbside collection issue will be separate from this report.

Bae Newplan will prepare draft Executive Summary of Phase II Report for presentation at the next executive meeting.

The Committee recommends acceptance of Phase II report with the changes as noted.

The meeting adjourned at 1:45 p.m.