



REGIONAL DISTRICT OF BULKLEY-NECHAKO

WASTE MANAGEMENT COMMITTEE (Committee of the Whole)

AGENDA

Thursday, May 14, 2015

Page		Action
	1) Accept Supplementary Agenda	
	2) Minutes	
2-3	Waste Management Committee Meeting Minutes March 12, 2015	Receive
	3) Business Arising Out of the Minutes	
	4) Reports/Documents	
4-5	Report: Janine Dougall, Director of Environmental Services, Solid Waste Management Plan Review Process	Receive
	Document: RDBN Solid Waste Management Plan Review – Stage 1 Report, March 19, 2009 (Under Separate Cover)	Receive
	Document: RDBN Solid Waste Management Plan, September 1996 (Under Separate Cover)	Receive
	Document: Ministry of Environment, Guide to the Preparation of Regional Solid Waste Management Plans for Regional Districts, Revised Edition/December 1994 (Copy Will Be Available at Meeting for Review)	Receive
6-7	Information Sheet: Ministry of Environment, Considerations for the Inclusion of Waste-to-Energy Facilities in Solid Waste Management Plans, December 2010	Receive
8-9	Taylor Bachrach, Chair – Waste Management Committee, Document: Proposed Solid Waste Management Plan Review and Renewal Process	Receive
	5) Items for Discussion	
	Solid Waste Management Plan Review	
	6) Correspondence	
	7) New Business	
	8) Adjournment	

REGIONAL DISTRICT OF BULKLEY-NECHAKO**WASTE MANAGEMENT COMMITTEE MEETING**
(Committee Of The Whole)**Thursday, March 12, 2015**

PRESENT: Chair Taylor Bachrach

Directors Eileen Benedict
Shane Brienen
Mark Fisher
Tom Greenaway
Dwayne Lindstrom
Rob MacDougall
Bill Miller
Rob Newell
Mark Parker
Jerry Petersen
Darcy Repen
Gerry Thiessen

Directors Absent Thomas Liversidge
Luke Strimbold

Alternate Directors John Illes, Village of Burns Lake
Linda McGuire, Village of Granisle

Staff Gail Chapman, Chief Administrative Officer
Cheryl Anderson, Manager of Administrative Services
Hans Berndorff, Financial Administrator
Janine Dougall, Director of Environmental Services
Wendy Wainwright, Executive Assistant

Others Falko Kadenbach, Vice-President, ABC Communications
Steven Derksen, Area Manager, Burns Lake, ABC
Communications

CALL TO ORDER

Chair Bachrach called the meeting to order at 2:59 p.m.

AGENDAMoved by Director Miller
Seconded by Director MacDougall**WMC.2015-1-1**

"That the Waste Management Committee receive the March 12, 2015 Waste Management Committee Agenda."

(All/Directors/Majority)

CARRIED UNANIMOUSLY**MINUTES****Waste Management**
Committee Meeting Minutes
-October 9, 2014Moved by Director Petersen
Seconded by Director Benedict**WMC.2015-1-2**

"That the Minutes of the Waste Management Committee for October 9, 2014 be received."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

CORRESPONDENCE

Correspondence

Moved by Director Benedict
 Seconded by Director Miller

WMC.2015-1-3

"That the Waste Management Committee receive the following correspondence:

- Letter to Earnie Harding, Smithers and Area Recycling Society
 Re: Response to Letter Dated March 3, 2015;
- Letter from Earnie Harding, Smithers and Area Recycling Society
 Re: Reference to RDBN Letter Dated February 17, 2015;
- Letter from Will Corbett, Manager, Bulkley Valley Bottle Depot
 Re: Diversion Credits;
- Letter to Earnie Harding, Smithers and Area Recycling Society
 Re: S.A.R.S Contract Changes November 5, 2014;
- Letter from Earnie Harding, Smithers and Area Recycling Society
 Re: S.A.R.S – Contract Changes November 5, 2014."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

Chair Bachrach mentioned that a meeting was held in Smithers on March 11, 2015 with Multi-Material B.C. (MMBC), Smithers and Area Recycling Society (S.A.R.S), and the Regional District of Bulkley-Nechako to discuss issues and concerns regarding depot services.

Chair Bachrach noted that he spoke with MMBC regarding their provision of recycling service levels to the entire RDBN. MMBC indicated that they require more producers to become part of the program in order to have the budget to move forward with any additional recycling programs.

Discussion took place regarding the RDBN Board of Directors advocating to the Provincial Government and the Minister of Environment the need for adequate service levels in the RDBN.

Further discussion will take place at a future Waste Management Committee meeting.

ADJOURNMENT

Moved by Director MacDougall
 Seconded by Director McGuire

WMC.2015-1-4

"That the meeting be adjourned at 3:13 p.m."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

Taylor Bachrach, Chair

Wendy Wainwright, Executive Assistant



REGIONAL DISTRICT OF BULKLEY-NECHAKO

MEMORANDUM

To: Chair Bachrach and Waste Management Committee (May 14, 2015)

From: Janine Dougall
Director of Environmental Services

Date: April 28, 2015

Subject: Solid Waste Management Plan Review

The Regional District of Bulkley-Nechako's Solid Waste Management Plan (SWMP) was adopted in late 1996. Since the original development of the document, there have been significant changes in the solid waste management industry and in the RDBN (eg. mountain pine beetle epidemic, Specified Risk Material waste designation, extended producer responsibility programs).

The Solid Waste Management Planning process can be broken down into three stages. They are as follows:

- Stage 1 – A review of the existing solid waste management system including a status report on the progress that has been made with respect to the goals outlined in the SWMP. Basically it is a report card which outlines what has been completed and what remains to be implemented or addressed. The RDBN completed a Stage 1 Review of the RDBN SWMP in 2009. The report is included as an item in the Waste Management Committee Agenda for further reference.
- Stage 2 – Development and detailed evaluation of solid waste management options (eg. recycling, tipping fees) and strategies. Involves public consultation.
- Stage 3 – Plan preparation and adoption based on previously completed Stage 1 and 2 work. Involves public consultation and approval by the Ministry of Environment.

The public consultation portion of the solid waste management plan planning process can be extensive and can involve the establishment of advisory committees such as a public advisory committee and a technical advisory committee.

Many Regional Districts in the province have proceeded with a full review and update of their individual plans (ie. completion of Stages 1-3) In some instances the review and update of the plan was spurred by demand from the public for additional services (eg. recycling) and a full plan review allowed for the gathering of required public input.



Outlined in the Ministry of Environment's "Guide to the Preparation of Regional Solid Waste Management Plans for Regional Districts, Revised Edition/December 1994" is the following (full document is included in the Waste Management Committee Agenda for further reference):

37. Plan Amendment Procedure

- (1) *A regional district that proposes to amend an approved plan shall notify the manager in writing of the proposed amendment and the reasons for the amendment.*
- (2) *A major amendment is an amendment which involves:*
 - (a) *a change in the boundary of the plan which would significantly change the amount of solid waste to be managed under the plan or significantly change the population of the plan area,*
 - (b) *the addition, deletion or revision of policies or strategies which in the opinion of the manager will adversely affect adjacent regional districts,*
 - (c) *the opening or changing the location of a site or facility for the disposal of municipal solid waste or*
 - (d) *a significant horizontal expansion of a disposal site.*
- (3) *The manager may designate any other proposed amendment to a plan as a major amendment if the amendment involves:*
 - (a) *changes to a requirement of an operational certificate attached to the plan where the requirement was specified in the plan itself;*
 - (b) *the closing of a site or facility for the disposal of municipal solid waste or the opening, closing or changing the use of a site or facility for the storage or processing of recyclable material or the temporary storage of municipal solid waste;*
 - (c) *the vertical expansion of a disposal site, or*
 - (d) *any other change that, in the opinion of the manager, would have a significant social, environmental or economic impact which was not anticipated and addressed in the plan.*
- (4) *With respect to a major amendment, every regional district should comply with sections 8, 9, and 10 and the relevant provisions of Part 3.*
- (5) *With respect to an amendment other than a major amendment, every regional district should comply with those provisions which are specified by the manager.*

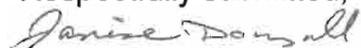
Given the complexity and regulatory requirements surrounding solid waste management planning should the RDBN wish to proceed with a review and update of its Solid Waste Management Plan consultation with the Ministry of Environment should occur as early as possible to determine the expectations of the Ministry and obtain confirmation of the process required.

RECOMMENDATION

(All/Directors/Majority)

1. That the Waste Management Committee receive the memorandum titled, "Solid Waste Management Plan Review" and dated April 28, 2015.

Respectfully submitted,


Janine Dougall

Director of Environmental Services

Considerations for the Inclusion of Waste-to-Energy Facilities (WTE) in Solid Waste Management Plans

Introduction

The purpose of this document is to help local governments assess their waste management practices and goals before considering the use of waste-to-energy (WTE) to manage municipal solid waste (MSW). The considerations listed below are based on Ministry of Environment operational policy used to guide Ministry staff during the review of solid waste management plans (SWMP). These considerations are used to assess WTE proposals within Solid Waste Management Plans. Regional Ministry staff should be consulted to determine if additional considerations apply.

The Ministry expects that local governments will set key waste reduction targets before considering the inclusion of WTE facilities within their SWMP. The purpose of this is to ensure that recycling initiatives are enhanced and that the pollution prevention hierarchy¹ continues to be the tool used for determining best waste management options.

Considerations

- 1) WTE is an allowable activity under the *Environmental Management Act*.
- 2) All local governments that plan to direct a portion of their MSW to a WTE facility must seek an amendment to their SWMP to reflect this intention.

¹ The Ministry defines the Pollution Prevention hierarchy as reduce, reuse, recycle, recovery and residual management. The hierarchy is in descending order of preference, such that management is not undertaken at one level unless or until all feasible opportunities for management at a higher level have been taken.

- 3) Performance criteria (listed in Table 1 below) should be met for all WTE facilities.
- 4) The Pollution Prevention Hierarchy should be followed. As a result, the Ministry prefers WTE facilities that incorporate resource recovery.
- 5) The Ministry expects local governments to have a minimum target of 70% reduction of waste before utilizing a WTE facility as a waste management option. The 70% target is calculated only from Reduce, Reuse, and Recycle initiatives.
- 6) The Ministry expects that resource recovery facilities (4th R) will obtain at least 60% of the potential energy from the MSW used as fuel.²
- 7) If a WTE facility does not achieve 60% energy efficiency, the Ministry will consider that WTE facility as a residual management facility (5th R).
- 8) If an environmental impact assessment is considered necessary for any new or existing WTE facility and the assessment indicates a potential for adverse environmental or human health effects, more stringent criteria, beyond the limits listed in Table 1, may be deemed necessary by a Director.

² Energy efficiency criteria modelled after Annex II of the European Commission Waste Framework Directive model (for existing facilities), available at

<http://register.consilium.europa.eu/pdf/en/08/st03/st03646.en08.pdf>

$$\text{Energy efficiency} = \frac{\text{Energy produced} - \text{Energy from fuels} - \text{Other energy imported}}{0.97 \times (\text{Energy of waste input} + \text{Energy from fuels})}$$

Application

This information applies to thermal treatment technologies such as mass-burn incineration (including cement kilns and pulp and paper mills), gasification and pyrolysis that produce energy from MSW, but does not apply to anaerobic digestion and agricultural greenhouses and does not describe site specific requirements of proposed facilities.

Please note that this information is for the convenience of the reader and may change from time to time. The current legislation and regulations should be consulted for complete information.

If you require additional information please contact your regional office of the BC Ministry of Environment.

Ministry Contact

For more information, consult our website at:
<http://www.env.gov.bc.ca/epd/mun-waste/waste-solid/sw-mgmt-plan/>

Or email the Ministry at:
Envprotdiv@victoria1.gov.bc.ca

Table 1: Criteria for WTE facilities

(A) Criteria for local governments planning to direct MSW to WTE facilities		(B) Criteria for WTE facilities utilizing MSW as a feedstock		
Waste Reduction Target	Technical Assessment	Technology	Ash Management	Emission Requirements
Local governments must have an approved SWMP with a minimum reduce, reuse, recycle target of 70% before considering the use of WTE technologies for managing MSW.	A professional assessment must be completed to compare waste management options for the region.	Adopt the best achievable technology. This should be determined by assessing feasible options based on reliability, cost effectiveness and discharge intensity.	Clearly identify options for disposal or use of bottom ash and fly ash (if necessary consult the Hazardous Waste Regulation).	The emissions from a facility must meet the Ministry's <u>Emission Criteria for Municipal Solid Waste Incinerators*</u> and emission requirements set out in the site specific authorization for the facility.

*<http://www.env.gov.bc.ca/epd/bcairquality/reports/ecmswi.html>

Proposed Solid Waste Management Plan Review and Renewal Process 2015-2016

Phases:

1. Existing Plan Review

The Board, with the guidance of the Director of Environmental Services, should conduct a structured review of each section of the 1996 Plan. The goals of this review should be:

- a. To understand the structure of the current plan,
- b. To confirm which aspects of the plan have succeeded and which have failed; and
- c. To reflect on changes in provincial regulations, management practices, societal attitudes and operational realities in the 20 years since the Plan was drafted.

2. Jurisdictional Scan

A consultant will be retained to research and report back on best practices in waste management in different British Columbian, Canadian and international jurisdictions. The goal of this phase is to give the board a sense of what is possible, and what might be included in an aspirational Waste Management Plan.

3. Public Consultation 1:

The public will be consulted prior to the development of the new plan. Consultation will include:

- a. Familiarizing residents with the Regional District's current waste management services;
- b. Sharing the learnings from the Jurisdictional Scan; and
- c. Collecting input on what residents would like the new Plan to accomplish (vision, goals, objectives).

4. Board Direction

Based on the information collected to date, the Board provides high-level direction to RD staff with regard to what the new Waste Management Plan should include.

5. Draft Plan

Drawing on the jurisdictional scan and the input from the public consultation process, RD staff draft a new plan for review by the board.

6. Public Consultation 2:

This phase of public consultation will seek public feedback on the draft plan. Public feedback will be summarized and provided to the Board, to inform possible revisions to the draft plan.

7. Plan Revision:

Based on the feedback from public consultation, the Board decides whether revisions to the draft are warranted.

8. Plan Adoption:

The new Waste Management Plan is adopted by the Regional District Board