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**REGIONAL DISTRICT OF BULKLEY-NECHAKO**

**WASTE MANAGEMENT COMMITTEE**  
*(Committee of the Whole)*

**AGENDA**

**Thursday, August 14, 2014**

<b>Page</b>		<b>Action</b>
	1) <b>Accept Supplementary Agenda</b>	
	2) <b>Minutes</b>	
2-5	Waste Management Committee Meeting Minutes May 1, 2014	Receive
	3) <b>Business Arising Out of the Minutes</b>	
	4) <b>Items for Discussion</b>	
	Industrial Waste Generated from Pipeline Projects	
	5) <b>Reports</b>	
6-10	Janine Dougall, Director of Environmental Services – Manson Creek Landfill – RDBN Staff Inspection Results	Recommendation (Pg. 10)
	6) <b>Correspondence</b>	
	7) <b>New Business</b>	
	8) <b>Adjournment</b>	

**REGIONAL DISTRICT OF BULKLEY-NECHAKO****WASTE MANAGEMENT COMMITTEE MEETING**  
**(Committee Of The Whole)****Thursday, May 1, 2014**

**PRESENT:** Chair Taylor Bachrach

Directors Steve Freeman  
Carman Graf  
Tom Greenaway  
Dwayne Lindstrom  
Rob MacDougall  
Bill Miller  
Rob Newell  
Jerry Petersen  
Ralph Roy  
Gerry Thiessen

Directors Absent Bill Holmberg, District of Houston  
Thomas Liversidge, Village of Granisle  
Stoney Stoltenberg, Electoral Area "A" (Smithers Rural)  
Luke Strimbold, Village of Burns Lake

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

**CALL TO ORDER**

Chair Bachrach called the meeting to order at 10:51 a.m.

**AGENDA**Moved by Director Roy  
Seconded by Director Miller**WMC.2014-3-1**

"That the Waste Management Committee receive the May 1, 2014 Waste Management Committee Agenda."

(All/Directors/Majority)

**CARRIED UNANIMOUSLY****MINUTES****Waste Management**  
**Committee Meeting Minutes**  
**-March 6, 2014**Moved by Director Petersen  
Seconded by Director Miller**WMC.2014-3-2**

"That the Minutes of the Waste Management Committee for March 6, 2014 be received."

(All/Directors/Majority)

**CARRIED UNANIMOUSLY**

## REPORT

### Implications of Proposed Draft Interim Second Edition Landfill Criteria for Municipal Solid Waste on RDBN Landfill Facilities

Discussion took place regarding the Landfill Gas Generation Assessments for Knockholt and Clearview Landfills. The requirement to complete the Landfill Gas Generation Assessment is dependent on both annual as well as total in place landfill garbage tonnages. Additional waste landfilled from the Mt. Milligan Mine and the Newgold Blackwater Project will accelerate the need to complete the landfill assessment while implementation of successful recycling programs will delay the requirement.

The Landfill Criteria includes wording requiring the installation of security fencing around the entire perimeter of the landfill on the landfill site boundary. The potential cost to implement this requirement was discussed. Currently the RDBN typically only installs security fencing and bear fencing around landfill facilities in a phased approach. The fence system increases as additional phases of the landfill are developed.

Concerns were brought forward regarding the Ministry of Environment's (MoE) interpretation of the Landfill Criteria at a policy branch level and operations level. At this time MoE staff has indicated that the Landfill Criteria is meant to be used as guidelines only and would not become a regulatory requirement unless incorporated into landfill operational certificates. There are concerns with the restructuring of the MoE. This will result in the guidelines being incorporated into operational certificates more often than not.

Discussion took place regarding the potential costs for landfill expansion if the Landfill Criteria becomes a regulatory requirement. Concerns were also expressed regarding the Manson Creek Landfill and the impacts and costs should the Landfill Criteria be implemented at the site. The site is very small and isolated and services a seasonal population. It is currently being operated as a natural control facility. It was brought forward that in such areas as Manson Creek, if residents do not have a location to take their garbage, they will potentially dump it anywhere they find convenient.

The garbage outside the perimeter and in the trees at the Knockholt Landfill was brought forward for discussion. Spring time is when litter cleanup begins but there are challenges with garbage being transported into the surrounding trees by wind and birds. Greater than anticipated volumes of garbage have been received at the Knockholt Landfill since completion of the new phase 2C development. These additional volumes will shorten the lifespan of the phase.

Assessing the potential total cost to the RDBN if the Landfill criteria become regulatory can be challenging as the timeframe in which the criteria will be implemented is unknown. It is important, however, to have a total cost analysis of the impacts of the implementation of Landfill Criteria to the RDBN.

**REPORTS**

Implications of Proposed Draft Interim Second Edition Landfill Criteria for Municipal Solid Waste on RDBN Landfill Facilities Moved by Alternate Director Illes  
Seconded by Director Miller

WMC.2014-3-3

1. "That the RDBN Waste Management Committee receive the Director of Environmental Services' April 16, 2014 memo titled "Implications of Proposed Draft Second Edition Landfill Criteria for Municipal Solid Waste on RDBN Landfill Facilities."

2. Further, that the Waste Management Committee recommend that the Board of Directors direct staff to submit a letter to the Ministry of Environment, by May 31, 2014, outlining the concerns of the RDBN with the Proposed Draft Second Edition Landfill Criteria for Municipal Solid Waste as currently written.

3. Regional District of Bulkley-Nechako Board of Directors direct staff to work with northern Regional District representatives to put forward a joint northern summary submission to the Ministry of Environment."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

**CORRESPONDENCE**

Correspondence

Moved by Director MacDougall  
Seconded by Director Roy

WMC.2014-3-4

"That the Waste Management Committee receive the following correspondence:

- Article from The Prince George Citizen, April 18, 2014, titled: Expanded Service Unaffordable for Now: MMBC;
- Letter from: Craig Wisehart, Chair, Stewardship Agencies of British Columbia, Re: SABC 2013 Action Plan Comments;
- Letter to: Stewardship Agencies of British Columbia, Re: Comments Regarding Stewardship Agencies of BC – Action Plan to Enhance Extended Producer Responsibility in BC (2013 Action Plan);
- Letter from: Julia Kokelj, Environmental Protection Technician, MoE Northern Region, Re: Electric Fence Operation and Landfill Maintenance – 2014."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

### **NEW BUSINESS**

Comment Regarding  
Vanderhoof Transfer Station

Director Petersen mentioned that he received a public comment on the Vanderhoof Transfer Station and it being a clean and great facility.

Town of Smithers Curbside  
Recycling Program

Chair Bachrach reported that Town of Smithers staff has started to distribute the carts for its curbside recycling program. They have stickers on the carts to explain what can be put in the carts and are also distributing educational material for residents. The Town of Smithers has also hired a person to fulfill a short term contract to assist with community education.

Village of Telkwa Curbside  
Recycling Program

Director Graf mentioned that the Village of Telkwa would be changing from a 5 stream sort to a 2 stream sort.

### **ADJOURNMENT**

WMC.2014-3-5

Moved by Director MacDougall

"That the meeting be adjourned at 11:30 a.m."

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Taylor Bachrach, Chair

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Wendy Wainwright, Executive Assistant



## REGIONAL DISTRICT OF BULKLEY-NECHAKO

### MEMORANDUM

To: Chairperson Bachrach and Waste Management Committee (August 14, 2014)

From: Janine Dougall  
Director of Environmental Services

Date: July 28, 2014

Subject: Manson Creek Landfill – RDBN Staff Inspection Results

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At the March 6, 2014 Waste Management Committee meeting discussion was held regarding the results from a MoE inspection of the Manson Creek Landfill in September 2013. Based on the inspection, the following were concerns/requirements outlined by the MoE should the RDBN wish to continue to operate the Manson Creek Landfill in the long-term:

- A new Operational Certificate will be issued for the facility;
- Site improvements will be required to upgrade vehicle safety barriers, install surface water diversionary works and installation of adequate fire breaks between the site and encroaching forest;
- Of primary concern of the MoE was the apparent accessing of the garbage by bears. Either adequate fencing or site improvements will be required to prevent bears from accessing the waste.

At the Waste Management Committee meeting, it was determined that the first step in evaluating the situation would be to have Environmental Services Staff conduct a site visit at the Manson Creek Landfill to assess the site and determine the appropriate approach (plan) to address MoE concerns as noted in the September 6, 2013 Inspection Report.

The purpose of this memorandum is to provide the results of the RDBN staff visit and to provide options in moving forward.

#### **Background**

The Manson Creek Landfill site is located on unsurveyed crown land approximately 6 kilometres north-northwest of Manson Creek, British Columbia at kilometer 65.5 on the Finlay-Manson Forest Service Road. The site has been operated as an unattended landfill since 1987 and landfilling is conducted in excavated trenches. The site contractor is required to compact and cover the disposed garbage at least once per month from June through October. As the site is unattended, there is no fencing at the facility, although there are separate piles for wood and metal wastes.

According to the RDBN Regional Solid Waste Management Plan (September 1996), the site was slated to be operated as a long term landfill, with the RDBN requesting exemptions to the landfill criteria for such requirements as monitoring, waste measurement, supervision, etc. Some upgrades to the site were anticipated as being possibly required, such as surface water drainage



and bear access control. The Plan also states that should the RDBN requested exemptions from the MoE be rejected, the site is to be closed.

The population base utilizing the landfill site is seasonal in nature, with the majority of use occurring during the summer months by small mining camps and tourists. Winter population numbers are estimated at about 35 residents, while in summer this number can grow to as high as 100.

### **RDBN Inspection Results**

On June 3, 2014, Rory McKenzie (Operations Manager) and Janine Dougall conducted an inspection of the Manson Creek Landfill site. The following were observed:

- Site signage had been vandalized and requires repair.
- Wood pile was relatively small and metal pile was approximately 1,200m<sup>3</sup>
- Based on visual observation, garbage in trench contained very little organic material. Mostly cardboard and plastic waste. Very little odor.
- Litter surrounding facility was minimal. Wind fencing is being used around active trench.
- Establishment of adequate fire guards are required.
- Logs are being effectively used as barriers to trench access.
- Surface water drainage is acceptable, other than in one low area.
- Overall, site is very clean and tidy considering it is an unattended site.









### Next Steps

Based on the site inspection by RDBN Staff on June 3, 2014, there does not seem to be a significant bear issue at the Manson Creek Landfill. The waste observed in the active trench on that day did not have a significant amount of organic waste content, there was very little odor and signs of bear activity in the surrounding bush was minimal. Even though there does not seem to be a significant bear issue, given that the site is not fenced, bear access to the garbage is occurring. If the RDBN were to install a solar powered electric fence at the site along with an electrified cattle guard (to allow for the continuance of an unattended site) the capital cost is estimated to be approximately \$50,000-\$60,000. Annual maintenance costs are estimated at \$4,000 which includes the replacement of the solar panels (assuming they are vandalized or stolen).

Removal of trees for the establishment of an adequate fireguard as well as establishing some additional surface water drainage is required at the site. Cost for this work is estimated at \$10,000-\$15,000.

The use of logs as a methodology for blocking access to the trench is considered by RDBN staff as a reasonable approach and should not require upgrading.

The MoE has also indicated the intent to issue an Operational Certificate (OC) for the site, if it is to be operated in the long term as a landfill. In a letter sent to the MoE in February 2014, it was requested that a draft of the OC to be issued for the site, be provided to allow the RDBN to consider the implications in reviewing the overall long-term costs for the facility. To date the RDBN has not received the document.

At this time, it is recommended that RDBN staff initiate conversations with MoE representatives to discuss the results of the inspection by the RDBN and determine what upgrades will be required by the MoE. Further updates to the Waste Management Committee will be provided as additional pertinent information is obtained.

#### RECOMMENDATION

(All/Directors/Majority)

1. That the Waste Management Committee receive the memorandum titled, "Manson Creek Landfill – RDBN Staff Inspection Results" and dated July 28, 2014.
2. Further, that the Waste Management Committee direct staff to initiate conversations with MoE representatives to discuss the results of the inspection by the RDBN and determine what upgrades will be required by the MoE.

Respectfully submitted,

A handwritten signature in blue ink that reads "Janine Dougall".

Janine Dougall  
Director of Environmental Services