



REGIONAL DISTRICT OF BULKLEY-NECHAKO

WASTE MANAGEMENT COMMITTEE (Committee of the Whole)

AGENDA

Thursday, October 9, 2014

Page		Action
	1) Accept Supplementary Agenda	
	2) Minutes	
2-3	Waste Management Committee Meeting Minutes August 14, 2014	Receive
	3) Business Arising Out of the Minutes	
	4) Items for Discussion	
	5) Reports	
4-7	Janine Dougall, Director of Environmental Services – Packaging and Printed Paper Recycling – Planning for 2015	Direction (Page 7)
8-10	Janine Dougall, Director of Environmental Services – Manson Creek Landfill – Discussions with MoE	Recommendation (Pg. 10)
	6) Correspondence	
	7) New Business	
	8) Adjournment	

REGIONAL DISTRICT OF BULKLEY-NECHAKO**WASTE MANAGEMENT COMMITTEE MEETING**
(Committee Of The Whole)**Thursday, August 14, 2014**

PRESENT: Acting Chair Gerry Thiessen

 Directors Carman Graf
 Tom Greenaway
 Dwayne Lindstrom
 Rob Newell
 Jerry Petersen
 Ralph Roy
 Stoney Stoltenberg

 Directors Taylor Bachrach, Town of Smithers
Absent Steve Freeman Electoral Area "E" (Franois/Ootsa Lake Rural)
 Bill Holmberg, District of Houston
 Thomas Liversidge, Village of Granisle
 Rob MacDougall, District of Fort St. James
 Bill Miller, Electoral Area "B" (Burns Lake Rural)
 Luke Strimbold, Village of Burns Lake

 Alternate Chris Beach, Village of Burns Lake
Directors Rosanne Murray, Electoral Area "E" (Franois/Ootsa Lake Rural)
 Charlie Northrup, Town of Smithers

 Staff Gail Chapman, Chief Administrative Officer
 Cheryl Anderson, Manager of Administrative Services
 Hans Berndorff, Financial Administrator
 Janine Dougall, Director of Environmental Services
 Julie Thompson, Planning Student – left at 1:17 p.m.

CALL TO ORDER

Acting Chair Thiessen called the meeting to order at 1:05 p.m.

AGENDAMoved by Director Graf
Seconded by Director Greenaway**WMC.2014-4-1**

"That the Waste Management Committee receive the August 14, 2014 Waste Management Committee Agenda."

(All/Directors/Majority)

CARRIED UNANIMOUSLY**MINUTES****Waste Management**
Committee Meeting Minutes
-May 1, 2014Moved by Director Stoltenberg
Seconded by Alternate Director Beach**WMC.2014-4-2**

"That the Minutes of the Waste Management Committee for May 1, 2014 be received."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

ITEMS FOR DISCUSSION

Industrial Waste Generated from Pipeline Projects

Discussion took place regarding industrial waste generated from pipeline projects and camps. The Operational Certificate issued by the Ministry of Environment (MoE) for the Regional Districts Landfills in general do not allow the acceptance of industrial waste. Special authorization can be sought from the MoE by the Regional District of Bulkley-Nechako Board of Directors if desired. Historically industry has managed its own industrial waste material. The capacity of the Regional District of Bulkley-Nechako Landfill/Transfer Station facilities were discussed.

Moved by Director Stoltenberg
 Seconded by Director Newell

WMC.2014-4-3

"That the Waste Management Committee recommend that the Regional District of Bulkley-Nechako Board of Directors refuse to accept industrial waste generated from pipeline projects or other short-term projects in the region in accordance with the Regional District of Bulkley-Nechako's Operational Certificate issued by the Ministry of Environment."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

REPORT

Manson Creek Landfill
 -RDBN Staff Inspection
 Results

Moved by Alternate Director Northrup
 Seconded by Director Greenaway

WMC.2014-4-4

1. "That the RDBN Waste Management Committee receive the Director of Environmental Services' July 28 2014 memo titled Manson Creek Landfill – RDBN Staff Inspection Results."
 2. Further, that the Waste Management Committee recommend that the RDBN Board of Directors direct staff to initiate conversations with Ministry of Environment (MoE) representatives to discuss the results of the inspection by the RDBN and determine what upgrades will be required by the MoE."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

ADJOURNMENT

Moved by Director Stoltenberg
 Seconded by Director Greenaway

WMC.2014-4-5

"That the meeting be adjourned at 1:21 p.m."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

Gerry Thiessen, Acting Chair

Cheryl Anderson, Manager of
 Administrative Services



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REGIONAL DISTRICT OF BULKLEY-NECHAKO

MEMORANDUM

To: Chairperson Bachrach and Waste Management Committee (October 9, 2014)
From: Janine Dougall
Director of Environmental Services
Date: September 29, 2014
Subject: Packaging and Printed Paper Recycling: Planning for 2015

The purpose of this memorandum is to provide to the Waste Management Committee the current service availability and funding of packaging and printed paper (PPP) recycling in the RDBN and receive guidance on establishing 2015 policies and funding levels.

Please note that when discussing PPP recycling programs that there is a difference in residentially generated PPP and commercially generated PPP. The BC Recycling Regulation which requires industry to implement recycling programs, **only** applies to residentially sourced PPP.

Historically, the RDBN has provided funding for recycling programs only for products not covered by the BC Recycling Regulation. In 2014 however, the RDBN continued to provide funding due to the desire to maintain existing recycling programs when industry failed to take over the programs.

Unfortunately, at this time, industry is not providing equitable service levels across the RDBN and therefore PPP recycling services are a mix of privately owned eco-depots, bins at RDBN transfer stations and municipal curbside pickup programs. In mid-September, through scanning the MMBC website, the RDBN learned that the Smithers and Area Recycling Society had been included in the MMBC program for depot service at their Tatlow Road facility. This service had begun in late August 2014. The table below outlines the existing PPP services and funding sources across the RDBN.



Existing PPP Recycling Services in the RDBN – As of September 29, 2014

Residents Served	Funding Provided By
Smithers and Area	
<ul style="list-style-type: none"> • Curbside pickup for municipal residents 	MMBC
<ul style="list-style-type: none"> • Depot Service (all PPP) 	MMBC (residential), RDBN (residential, commercial, institutional)
Telkwa	
<ul style="list-style-type: none"> • Curbside pickup for municipal residents 	MMBC
Houston and Area	
<ul style="list-style-type: none"> • Depot Service (paper & cardboard only) at Houston Bottle Depot 	RDBN
Granisle and Area	
<ul style="list-style-type: none"> • No Services at this time 	
Burns Lake and Area	
<ul style="list-style-type: none"> • Bins at Burns Lake Transfer Station (paper & cardboard only) • Bins at Southside Transfer Station (paper & cardboard only) 	RDBN
Fraser Lake and Area	
<ul style="list-style-type: none"> • Depot Service (paper & cardboard only) at Fraser Lake Bottle Depot 	RDBN
Fort St. James and Area	
<ul style="list-style-type: none"> • Curbside pickup for municipal residents and Nak'azdli Reserve 	MMBC
<ul style="list-style-type: none"> • Depot Service (all PPP) 	MMBC (residential)
<ul style="list-style-type: none"> • Depot service (GUF - at Integris Building) 	RDBN (residential, commercial, institutional)
Vanderhoof and Area	
<ul style="list-style-type: none"> • Bins at Vanderhoof Transfer Station (mixed paper and plastics) 	RDBN
<ul style="list-style-type: none"> • Cardboard bin at CO-OP building 	RDBN

Note: Two of the above mentioned recycling depots have changed ownership recently: the Fraser Lake Bottle Depot and the Houston Bottle Depot.



There are several different options for PPP recycling in 2015. Presented below are the options in no particular order:

1. The RDBN maintains existing levels of funding for PPP programs regardless of whether funding is being provided by MMBC. I.e. for the Smithers and Area Recycling Society maintain funding at 2014 levels even though MMBC is providing payment for residential component of recycling. Please note that the RDBN is not privy to the payment rates provided to recycling groups who have agreements with MMBC. The table below outlines the funding values approved for 2014 recycling contracts between the RDBN and local recycling organizations.

Area	Organization	2014 Approved Funding Amount (Estimated)
Smithers/Telkwa	Smithers and Area Recycling	\$87,000
Burns Lake & Southside	RDBN	\$6,000
Houston	Houston Bottle Depot	\$50,000
Fraser Lake	Fraser Lake Bottle Depot	\$45,000
Vanderhoof	Nechako Waste Reduction Initiative	\$78,000
Fort St. James	Greening Up Fort	\$53,000

2. The RDBN continues to fund residential PPP recycling in communities where MMBC is not providing recycling services at 2014 funding levels and reduce funding in areas where MMBC is providing residential recycling services. Under this scenario, funding levels in both Smithers and Fort St. James will decrease in accordance with the takeover of the residential recycling component by MMBC. The table below outlines the 2015 funding schedule under this option:

Area	RDBN Funded Programs	Sector	Estimated RDBN Funding Amount	MMBC Service
Burns Lake & Southside	Cardboard/Paper	Residential, Commercial, Institutional	\$6,000	None
Houston	Cardboard/Paper	Residential, Commercial, Institutional	\$50,000	None
Fraser Lake	Cardboard/Paper	Residential, Commercial, Institutional	\$45,000	None
Vanderhoof	Cardboard/Paper/ Mixed Plastics	Residential, Commercial, Institutional	\$78,000	None
Fort St. James	Cardboard/Paper	Commercial, Institutional	To be determined. Less than \$53,000	Residential Curbside/Depot
Smithers/Telkwa	Cardboard/Paper/ Mixed Plastics	Commercial, Institutional	To be determined. Less than \$87,000	Residential Curbside/Depot



3. The RDBN expand PPP recycling opportunities within the RDBN to match the products being collected under the MMBC program (eg. Plastic containers and film, Styrofoam, glass) at additional cost to the RDBN. RDBN staff have had preliminary conversations with Cascades Recovery Operations Manager Darren Wahl regarding the potential to expand. Should the Board wish to explore this option in greater detail, further discussions with Cascades representatives would be required.

Current contracts between the RDBN and local recycling groups expire as of December 31, 2014. It has also been indicated that potential additional service levels from MMBC will not occur until at least the second quarter of 2015. As such, Staff are seeking direction from the Waste Management Committee as to how the RDBN will fund PPP recycling services in 2015.

RECOMMENDATION

(All/Directors/Majority)

1. That the Waste Management Committee receive the memorandum titled, "Packaging and Printed Paper Recycling: Planning for 2015" and dated September 29, 2014.
2. That the Waste Management Committee provide direction on PPP recycling service levels and funding for 2015.

Respectfully submitted,

Janine Dougall
Director of Environmental Services



REGIONAL DISTRICT OF BULKLEY-NECHAKO

MEMORANDUM

To: Chairperson Bachrach and Waste Management Committee (October 9, 2014)

From: Janine Dougall
Director of Environmental Services

Date: September 4, 2014

Subject: Manson Creek Landfill – Discussions with Ministry of Environment

At the August 14, 2014 Waste Management Committee direction was provided to RDBN 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 for the RDBN to continue to operate the Manson Creek Landfill. The purpose of this memorandum is to provide to the Waste Management Committee the results from the discussions held with MoE representatives.

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.

Summary of Discussions with MoE (Eric Pierce, Environmental Protection Officer):

1. Although there does not seem to be a significant bear issue, bear access to the garbage is occurring. The MoE is requesting that the RDBN install infrastructure to prevent bear access to the putrescible waste (ie. garbage in the active trench area). One option is for the RDBN 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).
2. Removal of trees for the establishment of an adequate fireguard as well as establishing some additional surface water drainage is required at the site.



3. The use of logs as a methodology for blocking access to the trench is considered by both RDBN and MoE as a reasonable approach and does not require upgrading.
4. MoE has indicated that given the isolated nature of the facility, the issuance of a new Operational Certificate (OC) for the site, will not be required at this time. The site will continue to be operated under the existing permit. Existing requirements for reporting, environmental monitoring, landfill operation (trench operation and cover application) will not change as long as the above listed upgrades to the site are implemented and there are no other newly discovered environmental impacts. A new OC may be issued in the future, however the understanding is that the OC requirements will reflect the existing permit requirements and will be primarily be an exercise to update the language to better reflect the terminology and intent of OCs as set out in the *Environmental Management Act*.

Costs Associated with Implementing Required Upgrades to Facility

1. Bear Fencing and Cattle Guard

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).

2. Fire Guard Establishment and Surface Water Drainage Upgrades

Removal of trees for the establishment of an adequate fireguard as well as establishing some additional surface water drainage is estimated to cost \$10,000-\$15,000.

Next Steps

A decision ultimately needs to be made by the Waste Management Committee as to whether to continue to operate the Manson Creek Landfill, given information and costs presented or close it.

The Manson Creek Landfill is remotely located and the costs involved with formally closing the facility will be significant. The majority of these costs are not expected to be incurred in closure works (capping and grading) but in deactivating and blocking access to the site, both in the short-term and long-term. A further concern of closing the facility will be the increased incidence of illegal dumping of waste in the surrounding area.

RDBN Environmental Services Staff believe that the upgrades requested by the MoE are reasonable and that the benefits of maintaining the site as a landfill facility outweigh the additional capital and operational costs. As such, a recommendation is being made to proceed with planning and budgeting for completion of required upgrades at the Manson Creek Landfill in 2015. Further, that a letter be sent to the MoE, indicating the decision of the RDBN to continue to operate the Manson Creek Landfill and the commitment to completing the required upgrades in 2015. The upgrades will include the installation of infrastructure to prevent bear access to the putrescible waste (ie. garbage in the active trench area) and the removal of trees for the establishment of an adequate fireguard as well as establishing some additional surface water drainage.



RECOMMENDATION

(All/Directors/Majority)

1. That the Waste Management Committee receive the memorandum titled, "Manson Creek Landfill – Discussions with Ministry of Environment" and dated September 4, 2014.
2. Further, that the Waste Management Committee recommend to the Board of Directors to proceed with planning and budgeting for completion of required upgrades at the Manson Creek Landfill in 2015.
3. Further, that a letter be sent to the MoE, indicating the decision of the RDBN to continue to operate the Manson Creek Landfill and the commitment to completing the required upgrades in 2015. The upgrades will include the installation of infrastructure to prevent bear access to the putrescible waste and the removal of trees for the establishment of an adequate fireguard as well as establishing some additional surface water drainage.

Respectfully submitted,

A handwritten signature in cursive script that reads "Janine Dougall".

Janine Dougall
Director of Environmental Services