

# **WASTE MANAGEMENT PLAN**

**JEAN MARIE RIVER FIRST NATION**

**LAND USE PERMIT**

**TIMBER CUTTING LICENCE FA 005332**

2<sup>nd</sup> Revision

Revised March 02, 2020

Revisions:

1. RE Table 2: Deleted KBL. Added Carter Industries Ltd.
2. Waste Generator Number for JMRFN added.

Prepared by: JC Bartlett & Associates Ltd

## **WASTE MANAGEMENT PLAN**

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### **BACKGROUND**

The purpose of this LUP is to enable the Jean Marie River First Nation (JMRFN) economic development from its forest resources.

The Jean Marie River First Nation has been involved with milling timber since the 1930s. Both the Community and the Government of the Northwest Territories (GNWT) are committed to supporting sustainable levels of timber harvesting to provide timber for lumber products and jobs in the community.

The GNWT is supportive of developing a forest industry that creates economic investment opportunities, provides long-term employment to local communities and enhances environmental stewardship and sustainability of regional forests. JMRFN now possess a mill site, sawmill equipment, and support equipment, that is ready to be commissioned.

### **INTRODUCTION:**

Jean Mare River First Nation (JMRFN) is applying for this Land Use Permit, to enable Timber Cutting License #005332 to be issued by the GNWT Environment and Natural Resources (ENR) – Dehcho Region, in order to log timber to support the JMRDC sawmill project, and the economic development of Jean Marie River First Nation.

The harvesting operations are planned to occur over a 5-year period.

### **Contact Information**

The applicant for this LUP is:

Stanley Sanguiez, Chief  
General Delivery, Jean Marie River, NT, X0E 0N0  
867.809.2000; [chief@jmrfn.com](mailto:chief@jmrfn.com)

## **Project Location**

The LUP area is accessed from the Jean Marie River Road, at about kilometer 10. This is approximately 17 km from the Community of Jean Marie River First Nation. Harvesting will occur throughout the planning area, and the logs will be transported to the JMRDC sawmill site. See Figures 1a and 1b.

## **WASTE MANAGEMENT PLAN PURPOSE**

This Waste Management Plan identifies the types of waste generated through timber harvesting activities and describes the activities and methods of waste management from generation to final disposal - including the infrastructure required.

Simplistically, the following timber harvesting Activities occur in the following manner:

- The trees on the roads and landings are felled; after which, said roads and landings are constructed, with either the crawler tractor or the hydraulic hoe. These may remain at site for occasional use only; such as road maintenance.
- After the Feller Buncher finishes falling the trees, it leaves the site.
- After the trees are skidded to the landings, the skidder leaves the site.
- Either the hydraulic hoe, or the Front End Loader, will be present from when the tree skidding begins, and when the logs are being hauled from the site.
- During deactivation activities, the crawler tractor and//or the hydraulic hoe will resume operations on the site. All other equipment will be gone.

There are expected to be harvesting Activities, that will take from 3-5 years to complete, depending upon a variety of factors.

Note that these Activities are conducted within each calendar year, during a relatively short-term time period (from about 15-30 days). The Activities are also expected to be conducted seasonally, depending upon the road access, the Activity itself, and the mill needs for wood.

Typically, the road construction, tree felling, skidding, and merchandizing Activities will be conducted during the winter months (for about 15-30 days). A significant portion, or all, of the log loading and hauling will occur then; as well as seasonal deactivation, or debris piling or disposal. During the non-winter months, some logging, log loading and hauling may occur (for about 10 days). Debris piling and disposal, and deactivation activities may occur then as well, depending upon access and logistics planning.

Generally, there will be minimal waste generated from these timber harvesting Activities. There is no heavy equipment maintenance, such as oil changes on site. The sources of waste material are only associated with routine daily maintenance of equipment, such as greasing. The waste would include items such as; empty grease tubes, broken hydraulic hoses, oil or glycol plastic containers (20 liter pails, 4 liter jugs), and cardboard and plastic parts packing.

The exception would be a reportable Major spill, that would create contaminated soil, water, or snow. A Major spill would be the only reason to require a Hazardous Waste Generator Number.

There will be no camp or hazardous storage facility on the Site. Equipment fueling is transferred from portable slip tanks on pick up trucks. All other hazardous materials; such as oils, lubricants, glycol, compressed gases, and gasoline, are stored in pick up trucks, or a secured trailer on site.

## Waste Management Principles

This section identifies the types of waste generated through timber harvesting activities and describes how each will be managed.

## IDENTIFICATION OF WASTE TYPES

Hazardous or potentially hazardous waste includes materials that are potentially harmful to human health and/or the environment due to their nature and quantity, and that require special handling techniques. Non-mineral waste includes solid, domestic waste.

As stated previously, generally, there will be minimal waste generated from these timber harvesting Activities. Timber harvesting operations do not produce mineral waste.

The types of waste generated either seasonally or annually through these operations are listed in Table 1.

**Table 1 Types and Estimated Volumes of Generated Waste**

Category	Waste Type	Source	Estimated Annual Volume Generated
Hazardous or Potentially Hazardous	Contaminated soils//snow	Fuel/Oil/glycol spills	1 cubic meter
	Used oil and filters, fuels, lubricants, greases, and solvents	Heavy equipment	None
Non-Mineral	Domestic refuse	Parts packaging	1 cubic meter
	Plastics	Oils & glycol containers	1 cubic meter
Mineral	None		None

## INFRASTRUCTURE REQUIRED FOR WASTE MANAGEMENT

The following Waste Disposal Facilities are registered and approved facilities that may receive waste materials generated from these timber harvesting operations (see Table 2).

**Table 2 Approved local waste receiving facilities**

Waste Type	Facility, Waste Generator Number and Location
Solid waste	Jean Marie River municipal Landfill. Per Figure 3.
Plastics	Return empty 20 l pails and 4 l jugs to the petroleum bulk suppliers; JMR Landfill.
Hydrocarbon-contaminated soil	Carter Industries Ltd, Hay River, NT.
All other hazardous waste types including contaminated water	Carter Industries Ltd, Hay River, NT.



## **MANAGEMENT OF EACH WASTE TYPE**

Waste management procedures aim to reduce wildlife attractants (e.g.; food wastes, glycol leaks), reclamation costs and health hazards. Some best practices for managing waste are outlined below.

Equipment used to pick-up or deliver materials are not serviced, fueled, or left on-site unattended. Similarly, equipment used temporarily for a specific task may be fueled on-site, but are serviced in town.

### **Management of Solid Waste**

There will be small quantities of solid waste, mostly paper and cardboard packaging. Solid waste generated from these operations follow the following procedures:

- a) Any store non-combustible solid waste are at least 100 metres from a water body.
- b) Progressively remove non-combustible solid wastes from the site and dispose at an approved facility for receiving solid waste (see Table 2).
- c) At the seasonal closure, ensure all wastes are removed from the site and disposed of at a designated waste site location.

### **Management of Liquid Waste**

There is no camp, and there will be no liquid waste. Portable toilets on site.

### **Management of Hazardous or Potentially Hazardous Waste**

As described previously, hazardous waste material generated from these timber harvesting operations will be minimal. Any waste generated it will be temporarily stored in pick up trucks, or a secured trailer, pending disposal. Drip trays will be set up under parked heavy equipment.

If there is a spill, the contaminated materials may be stored at a designated location, at least 100 metres from all water bodies, and removed as soon as possible. In addition, the following procedures will be followed:

- a) Store hazardous waste materials in clearly marked containers with lids.
- b) Remove hazardous materials from the site to an approved facility for receiving hazardous waste (see Table 2).
- c) Complete the appropriate waste Movement Document/Manifest form for transporting hazardous waste and submit this to the Manager who will, in turn, report to the ENR Hazardous Waste Specialist. Figure 2.

JMRFN Waste Generator Number is NTG593.



**Figure 1b. LUP Application Area Map**

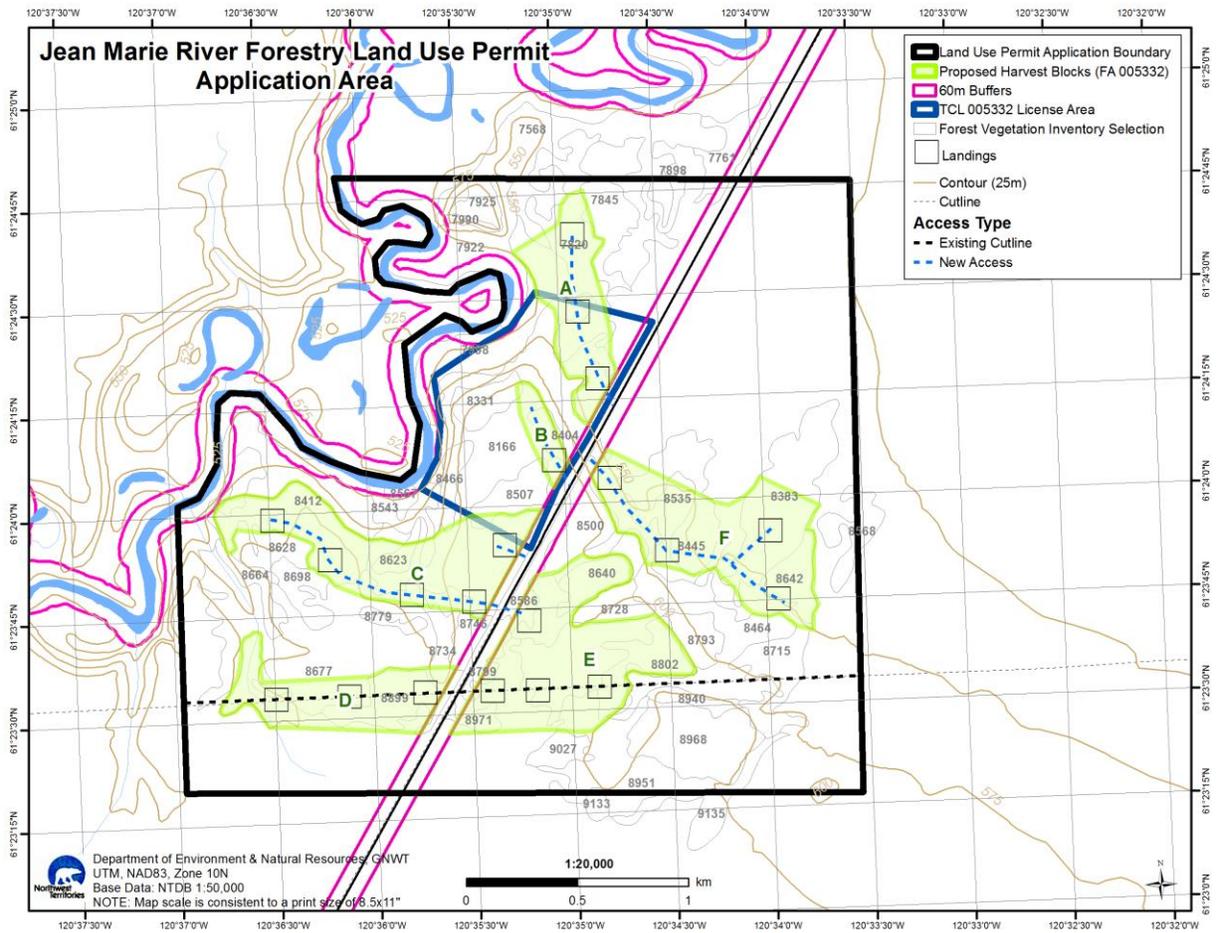


Figure 2: Sample Movement Document/Manifest

**MOVEMENT DOCUMENT / MANIFEST**  
**DOCUMENT DE MOUVEMENT / MANIFESTE**

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation. Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

**2486089-2**

Movement Document / Manifest Reference No. / N° de référence du document de mouvement/manifeste

<b>A Generator / consigneur</b> Producteur / expéditeur 1		Registration No. / Provincial ID No. / N° d'immatriculation - d'ID provincial 1		<b>B Carrier</b> Transporteur 23		Registration No. / Provincial ID No. / N° d'immatriculation - d'ID provincial 23		Reference No. of other movement document(s) used / N° de référence des autres documents de mouvement/manifestes utilisés 27																					
Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courrier électronique Tel. No. / N° de tél. ( )		Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courrier électronique Tel. No. / N° de tél. ( )		Recipient / consignee Réceptionnaire / destinataire 28		Registration No. / Provincial ID No. / N° d'immatriculation - d'ID provincial 28		Recipient / consignee information same as in Part A. Les renseignements du réceptionnaire / destinataire est la même qu'à la partie A. <input type="checkbox"/> Yes / Oui <input type="checkbox"/> No, complete the box below / Non, remplir la case ci-dessous																					
Shipping site address / Adresse du lieu de l'expédition City / Ville Province Postal code / Code postal		Vehicle / Véhicule Trailer - Rail car No. 1 / Remorque - wagon Trailer - Rail car No. 2 / Remorque - wagon Registration No. / N° d'immatriculation 24		Port of entry / Point d'entrée International use only 25		Port of exit / Point de sortie International use only 25		Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courrier électronique Tel. No. / N° de tél. ( ) Receiving site address / Adresse du lieu de destination Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure AM PM																					
Intended Recipient / consignee Réceptionnaire / destinataire prévu 2		Registration No. / Provincial ID No. / N° d'immatriculation - d'ID provincial 2		Carrier Certification / certify that I have received waste or recyclable material from the generator / consigneur for delivery to the recipient / consignee as set out in Part A and that the information contained in Part B is complete and correct. / Attestation du transporteur: j'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets. Name of authorized person (print) / Nom de l'agent autorisé (caractères d'imprimerie): 26		Part of entry / Point d'entrée International use only 25		Part of exit / Point de sortie International use only 25																					
Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courrier électronique Tel. No. / N° de tél. ( ) Receiving site address / Adresse du lieu de l'expédition City / Ville Province Postal code / Code postal		Year / Année Month / Mois Day / Jour Signature:		Year / Année Month / Mois Day / Jour Signature:		If waste or recyclable material to be transferred, specify intended company name / Si les déchets ou matières recyclables doivent être transférés, préciser le nom du destinataire 30		Registration No. / Provincial ID No. / N° d'immatriculation - d'ID provincial 30																					
Prev. code / Code préc. 3		Shipping name / Appellation réglementaire 4		Class / Classe / Sub. classes / Sub. classes 5		UN No. / N° UN 6		Packing / risk or Gr. d'emballage / de risque 7		Quantity shipped / Quantité expédiée 8		Units / Litres / L or / ou Kg / Unités 9		Packaging/Container Codes / Int.-est. 10		Phys. state / État / Phys. 10		Quantity received / Quantité reçue 31		Units / Litres / L or / ou Kg / Unités 31		Comments / Commentaires 32		Handling Code / Code de manipulation 33		Shipment / Envoi / Accepted / Reçu 34		Decert. / Vite. 35	
11-19 Notice No. / N° de notification 11		Notice Line No. / N° de ligne de la notification 12		Shipment / Envoi / Of / De 13		D or R code / Code D ou R 14		C code / Code C 15		Basel Annex VII or OECD Code / Annexe VII de Bâle ou Code OCDE 16		H code / Code H 17		Y code / Code Y 18		National code in country of / Code du pays 19		If handling code "Other" (specify) / Si code de manipulation « autre » (spécifier) 36		Recipient / consignee certification / certify that the information contained in Part C is correct and complete. / Attestation du réceptionnaire / destinataire: j'atteste que tous les renseignements à la partie C sont exacts et complets. Name of authorized person (print) / Nom de l'agent autorisé (caractères d'imprimerie) 37		Signature Tel. No. / N° de tél. ( )							
Generator / consigneur certification / certify that the information contained in Part A is correct and complete. / Attestation du producteur / expéditeur: j'atteste que tous les renseignements à la partie A sont exacts et complets. Name of authorized person (print) / Nom de l'agent autorisé (caractères d'imprimerie) Signature 20 Tel. No. / N° de tél. ( )		Name of authorized person (print) / Nom de l'agent autorisé (caractères d'imprimerie) Signature 20 Tel. No. / N° de tél. ( )		Name of authorized person (print) / Nom de l'agent autorisé (caractères d'imprimerie) Signature 20 Tel. No. / N° de tél. ( )		Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour Time / Heure AM PM 21		Scheduled initial date / Date d'ambition prévue Year / Année Month / Mois Day / Jour 22		Special handling / Manipulation spéciale <input type="checkbox"/> Attached / C-join <input type="checkbox"/> As follows / C-contre:		Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour Time / Heure AM PM 21		Scheduled initial date / Date d'ambition prévue Year / Année Month / Mois Day / Jour 22															

**Figure 3. Landfill letter of Permission from Jean Marie River FN**



Jean Marie River First Nation  
General Delivery,  
Jean Marie River, NT.  
X0E 0N0  
February 03, 2020  
reception@jmrfn.com

Jean Marie River Development Corporation  
General Delivery,  
Jean Marie River, NT.  
X0E 0N0

Attn: Misty Ireland, SAO

The Jean Marie River Development Corporation is preparing a Land Use Permit application to enable timber harvesting within the Jean Marie River First Nation area.

Included in the Land Use Permit application will be the use of the Jean Marie River Landfill, to dispose of garbage and general waste, resulting from our road construction, logging, and log hauling activities.

Please fill out the section below and return to us.

Thank you,

Jean Marie River Development Corporation

On behalf of Jean Marie River First Nation, permission is granted for the Jean Marie River Development Corporation, and its contractors, to dispose of garbage and general waste into the JMR Landfill site, for the purpose of road construction, logging, and log hauling activities.

Comments:

Signed: PRINT NAME & TITLE:

Stanley Sanguéz - chief

Signature:

Date: Feb. 3, 2020