

**Daishowa Marubeni International Ltd  
Peace River Pulp Division**

**FINAL ANNUAL OPERATING PLAN  
EP-KepplerC**

**August 14, 2009**

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## 1.0 INTRODUCTION

This plan for Operating Area **EP-KepplerC** issued under **Forest Management Agreement 8900027** covers the operating period from May 1, 2009 to April 30, 2010.

This AOP addresses all conditions from related FHPs. It follows the 2009 GDP and MDFP's operating ground rules. An overview map showing blocks and access is included with this AOP.

The proposed location of manufacture for deciduous volume under the authority of this plan is the Daishowa Marubeni International Ltd., Peace River Pulp Mill located near Peace River, Alberta.

Incidental coniferous timber harvested as a result of deciduous harvesting operations, will be directed to Boucher Brothers lumber in Nampa, AB, Alberta Plywood Ltd. in Slave Lake, AB and Buchanan Lumber in High Prairie, AB

Table 7 of Peace River Pulp Division's (PRPD) 2009 General Development Plan (GDP) summarizes incidental conifer volumes and destination.

Upon delivery to respective mill sites all material will be weigh scaled.

## 2.0 PRODUCTION (Quadrant)

Proposed Production for this timber year:

Deciduous Dominated Stands: **113,652 m<sup>3</sup>**  
Incidental Conifer: **43,996 m<sup>3</sup>**

The deciduous production record is summarized in **Table 1** of PRPD's 2009 GDP.

Table 1, Appendix A includes lists all planned blocks for this AOP. The table includes most block considerations as well. Roadside screening and line of sight will be considered for blocks 12, 14 and 24 and detailed block plans showing actual retention will be submitted prior to harvest.

### 3.0 ACCESS DEVELOPMENT

Main access to this operating area is the East Haul Road. The Whiskey Jack Gate located at km56 will be opened during operations. Access restrictions will be implemented and followed through in a manner that is satisfactory to SRD and DMI. Prior to company use of any existing road, pipeline, power line, well site or other disposition held by a third party, the consent of the holder will be obtained.

#### 3.1 Existing Access requiring consent:

Number	Held By:	Road Class	Season of Operation	Access Control
RRD9122256	Northern Sunrise County	III	Dry weather or winter	NA
RRD9122257	Northern Sunrise County	III	Dry weather or winter	NA
RRD9123573	Northern Sunrise County	III	Dry weather or winter	NA
LOC920770	DMI East Haul Rd	III	Dry weather or winter	Whiskey Jack Gate
LOC981731	DMI East Haul Road	III	Dry weather or winter	NA
LOC11947	Baytex	V	winter	NA
LOC6338	Baytex	v	Winter	NA
LOC002052	Baytex	V	Winter	NA
LOC002051	Baytex	V	Winter	NA
LOC12715	Baytex	V	Winter	NA

#### 3.2 Road Construction

Class V Roads

Inter block roads are given the same number of the block being accessed by it. In-block roads will be installed during the harvest of 2009/2010. The block roads will be reclaimed upon completion of hauling. **Table 1, Appendix A** lists these roads and outlines the development that is required.

#### 3.3 Stream Crossings

The table below lists the crossings to be utilized during this timber year. This table does not list crossings that are located on routes held under LOC by DMI or other companies. The crossings listed in this table do not require any approval from Department of Fisheries and Ocean Canada or the Water Management Division of Alberta.

<b>Crossing No.</b>	<b>Structure</b>	<b>Stream Class</b>	<b>Company</b>
1	Snow fill	Intermittent	DMI
2	Snow fill	Intermittent	DMI
3	Snow fill	Intermittent	DMI
4	Snow fill	Intermittent	DMI
5	Snow fill	Intermittent	DMI
6	Snow fill	Intermittent	DMI
7	Snow fill	Intermittent	DMI
8	Snow fill	Intermittent	DMI
9	Snow fill	Intermittent	DMI
10	Snow fill	Intermittent	DMI

Crossings constructed as snow or logs fills will be removed after operations are completed.

## 4.0 STAKEHOLDER CONSIDERATIONS

All stakeholders affected by operations will receive a copy of this Final AOP.

<b>Number</b>	<b>Holder</b>	<b>Contact Date</b>	<b>Method</b>
1431	Herb Simpson	May 2009 FHP	Registered Mail
1573	Dollard Dollaire	May 2009 FHP	Registered Mail
2131	Hans Fuchs	May 2009 FHP	Registered Mail

## 5.0 SLASH DISPOSAL

Slash disposal guidelines set out in section five of the 2009 GDP will be followed. Chipping debris (hog piles) in these blocks will be processed, live fed into B -trains and transported to the DMI mill site where it will be used to power the boiler. A copy of DMI's Hogging Procedures on Crown Land is in Appendix 5 of the GDP.

## **6.0 REFORESTATION PROGRAM**

**Table 1, Appendix A** outlines the proposed silviculture system and strategy for the blocks to be harvested.

The Table also outlines pre harvest strata polygons by the four cover types based upon the current Forest Inventory data. DMI recognizes that small areas of other land bases (DC,CD,C) do fall within some D blocks. Strategies will be taken in accordance to DMI's reforestation plan to ensure that land base areas get balanced.

## 7.0 ENDORSEMENT OF AOP

AOP prepared by:

<b>Name: Peggy Pike</b>	<b>Name:</b> _____
<b>Position: Forest Resources Supervisor, Planning</b>	<b>Position:</b> _____
<b>Signature:</b> _____	<b>Signature:</b> _____
<b>Date:</b> _____	<b>Date:</b> _____
<b>Daishowa Marubeni International Ltd Peace River Division Postal Bag 6500 Peace River, AB T8S 1V5 (780) 624-7337</b>	<b>Murray Chomocovski Alberta Plywood Ltd. Box 517 Slave Lake, AB T0G 2A0 Phone (780) 805-3691</b>

<b>Name:</b> _____	<b>Name: Phil Dube</b>
<b>Position:</b> _____	<b>Position:</b> _____
<b>Signature:</b> _____	<b>Signature:</b> _____
<b>Date:</b> _____	<b>Date:</b> _____
<b>Contact Information: Buchanan Lumber Box 38 High Prairie, AB T0G 1E0 Phone: 523-4544</b>	<b>Contact Information: Boucher Brothers Lumber Box 488 Nampa, AB T0H 2R0 Phone: (780) 322-3945</b>

**APPENDIX A**  
Block Information Table and AOP Checklist



**Table 1 - Block Information Report**  
Timber Year: '2009'

Op Area: EP-KepplerC

Block Id	Contingency Block	Merch Area	Plan Con Vol M3	Plan Dec Vol M3	Plan Retention Patch Area	Retention Large Area (>2Ha)	Retention Small Area (<=2Ha)	Op Retention Percent	Road Number	Road Class	Road Development	PHA Complete	Op Ground Conditions	Harvest Method	Silv System	Silv Strategy	Understory	Wildlife	Historic Concern	C Area	CD Area	DC Area	D Area
0011	Yes	8.6	346.8	1,213.1	0.0			10	0011	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	8.6
0012		186.8	9,675.4	30,230.1	20.0			8	0012	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	13.6	193.3
0013	Yes	22.5	987.8	3,455.0	2.0			8	0013	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	24.5
0014		123.4	5,675.1	20,407.2	14.0			8	0014	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	14.4	123.0
0015	Yes	25.3	630.8	3,293.1	2.0			8	0015	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	27.3
0016	Yes	4.6	184.3	644.5	0.0			0	0016	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	4.6
0017	Yes	83.4	8,046.0	15,137.7	9.0			8	0017	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	41.5	50.9
0018	Yes	19.9	803.2	2,809.3	2.0			8	0018	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	19.9
0021	Yes	22.8	4,343.3	4,268.6	3.0			8	0021	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	25.8	0.0
0022	Yes	113.7	6,768.8	18,986.2	12.0			8	0022	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	27.0	98.7
0023	Yes	44.3	1,990.7	6,962.4	5.0			10	0023	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	49.3
0024		26.7	2,800.6	4,222.6	3.0			10	0024	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	18.9	10.8
0026	Yes	11.8	1,743.4	2,022.7	2.0			5	0026	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	13.8	0.0
		693.8	43,996.2	113,652.5	74.0															0.0	0.0	155.0	610.9

## AOP Checklist

Area:	EP-KepplerC	Disposition Number	FMA890027
Company:	DMI	QAAC	4,170,000 m <sup>3</sup>
Season of Harvest	Frozen/non Frozen	Quadrant Production to Date	2,762,990 m <sup>3</sup>
DTA number		Quadrant Volume Remaining	1,407,010 m <sup>3</sup>
Date Disposition Issued		Proposed Production (this year)	178,488m <sup>3</sup>
Date Disposition Expires		Submission Date	Aug.14/09
<b>Approval Item</b>	<b>Yes/No</b>	<b>Initial/Date</b>	
Validated by RPF	yes		
Plan signed by imbedded tenure holders	Out for review Have Boucher signature (attach)		
AOP has approved FHP(s)	FHP accepted	August 14, 2009	

### Administration

#### Digital copies of AOP to:

Area Planning Forester

Forest Officer

Other

Conditions from FHP have been addressed

Outstanding operations identified (Outstanding debris disposal, hauling, clean-up, reclamation, ect)

Delegation of signing authority included where required

Company requesting dues relief, explanation and justification provided

Opening date verification submitted-all blocks logged in previous year cross referenced against ARIS report

**Company SRD**

yes

yes

Submitted

Yes

n/a

n/a

Yes

### Operating Schedule (as per section 3.5.4c)

Block table submitted for all blocks scheduled for harvest including area & volume by species with totals

List of roads proposed for construction, maintenance & reclamation for non-LOC roads including watercourse crossings to be built or installed or removed/maintained

Declaration of outstanding operational items, or an agreement with Alberta on reporting of outstanding operational items

Debris disposal

Yes

Yes

n/a

Yes

**Applicable Final Harvest Plans (as per section 3.4)**

SHS was followed or variances identified as per section 3.4.1

Yes

All affected operators have agreed to the design as per section 3.4.4

Under review

Maps accurate as per section 3.4.5

Yes

-approved inventory

Yes

-approved SHS & variances

Under review

-All laid out Class 1-3 roads & harvest boundaries

In progress

-Current dispositions & reserves

Yes

-Watercourses, their classification & buffers

Yes

- Springs, watersource & seepage areas

No known

-Road corridors, LOC numbers & classes for existing & proposed roads;

Access Control

Yes

-Watercourse crossing locations & types

Yes

-Current information on previously harvested area, existing trails, seismic trails, powerline, pipelines

Yes

-sensitive wildlife sites

No known

Additional information as per section 3.4.6

Yes

Comments for each harvest area as per section 3.4.8

Yes

Detailed harvest plans as per section 3.4.10

Upon request

**Compartment Assessments ( as per section 3.2) – Where Applicable**

Is approved and including any maps, analyses, & reports deemed necessary to address the issues

**Reforestation Program (as per section 8.2)**

Silviculture prescription is acceptable as per the Silviculture table

Yes

Proposed silviculture treatment schedule

Yes

Summaries of stratum declarations, stratum changes, final stratum, QAC adjustments

Yes

Proposed blocks are listed for declaration in lieu of survey & re-treatment

n/a

Seed amounts are sufficient as per STIA manual section 11.2

n/a

**Fire Control Plan (as per section 7.3)**

Fire control plan is complete

Yes

**Road Plan (as per section 11.2)**

All roads regardless of class, with a lifespan of >5 yrs have been built under the authority of a LOC

n/a

All watercourse crossings are documented in the monitoring program as per section 11.4.26

yes

**General Development Plan (as per section 3.3)**

Summary of variance as per section 4.1

Describes volume supply by area, roads/construction schedule & reclamation

Agreement by other affected forest operators prior to GDP approval

Includes GDP schedule & map as per section 3.3.5

Includes an as-built map from previous years harvest

Amendments to any AOP components are submitted and justified

(reforestation program, road plan, ect)

Incidental volume is to be used as per GDP

Consultation has been done for the GDP as per First Nations Consultation

Guidelines

**Company Sign-off**

Daishowa Marubeni  
International

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Submitting RPF Validation

Company

Date

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Submitting RPF Validation  
( intergrated plans)

Company

Date

**SRD Sign-off**

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Reviewing RFO Validation

Date