

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

**ANNUAL OPERATING PLAN  
KR-Twin Lakes**

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## 1.0 INTRODUCTION

This plan for Compartment **Keg River- Twin Lakes** 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 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 Tolko Forest Products located in High Level, 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: 45,064 m<sup>3</sup>

Incidental Conifer: 8,863 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 all Block considerations as well.

## 3.0 ACCESS DEVELOPMENT

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
LOC021812	Encana	IV	Dry/ Frozen

### 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.

Crossing No.	Structure	Stream Class	Company
34	Culverted logfill	Intermittent	DMI

## 4.0 STAKEHOLDER CONSIDERATIONS

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

Name	Value	CONTACT DATE	METHOD	ISSUES
2187	Robert Richards	Copy of FHP May 2009 Copy of AOP	Registered Mail Registered Mail	

## **5.0 SLASH DISPOSAL**

Slash disposal guidelines set out in section five of the 2009 GDP will be followed.

## **6.0 REFORESTATION PROGRAM**

**Table 1, Appendix A** outlines the proposed harvest system, silviculture system (strategy) and reforestation tactic 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.

## 7.0 ENDORSEMENT OF AOP

AOP prepared by:

<b>Name:</b> Trina Tosh	<b>Name:</b> Paul Kitchen
<b>Position:</b> Forest Resources Supervisor, Planning	<b>Position:</b> _____
<b>Signature:</b> _____	<b>Signature:</b> _____
<b>Date:</b> _____	<b>Date:</b> _____
<b>Daishowa Marubeni International Ltd</b> <b>Peace River Division</b> <b>Postal Bag 6500</b> <b>Peace River, AB T8S 1V5</b> <b>(780) 624-7337</b>	<b>Contact Information:</b> <a href="#">Tolko Industries</a> Ltd. <a href="#">High Level Lumber Division</a> <a href="#">11401-92 Street</a> <a href="#">High Level</a> , Alberta T0H 1Z0 (780) <a href="#">926-2989</a>

## **APPENDIX A (Block Information Table)**

## AOP Checklist

Area:	KR-TwinL	Disposition Number	
Company:	DMI	QAAC	4,170,000m3
Season of Harvest	Non-frozen	Quadrant Production to Date	
DTA number	FMAP8900027	Quadrant Volume Remaining	
Date Disposition Issued	Sept 1989	Proposed Production (this year)	48,064m3
Date Disposition Expires	Sept 2009	Submission Date	June 1, 2009
<b>Approval Item</b>	<b>Yes/No</b>	<b>Initial/Date</b>	
Validated by RPF	yes		
Plan signed by imbedded tenure holders	Under review		
AOP has approved FHP(s)	Under review		

### 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

### 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

**Company SRD**

yes

yes

yes

Under  
review

n/a

n/a

n/a

yes

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

Under

review

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

Maps accurate as per section 3.4.5

-approved inventory

-approved SHS & variances

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

-Current dispositions & reserves

-Watercourses, their classification & buffers

yes

yes

yes

None

found

- Springs, watersource & seepage areas

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

Access Control

-Watercourse crossing locations & types

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

yes

yes

yes

None

found

-sensitive wildlife sites

Additional information as per section 3.4.6

yes

Comments for each harvest area as per section 3.4.8

yes

Upon

request

Detailed harvest plans as per section 3.4.10

**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

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**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

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n/a

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

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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



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

Op Area: KR-TwinL

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
0100		61.9	1,262.7	6,404.0				4	0100	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN Suckering	No		No	0.0	0.0	0.0	61.9
0107		17.9	371.1	2,364.5				4	0107	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN Suckering	No	Ungulate Winter	No	0.0	0.0	0.0	17.9
0109		10.2	310.4	1,182.6			1.1	0	0109	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN Suckering	No	Ungulate Winter	No	1.0	0.0	0.0	9.2
0111		129.8	3,303.3	16,680.1				5	0111	V	Blade line, log and stump block road	Yes	Non Frozen	In Block Chipping	Clearcut	LFN Suckering	No	Ungulate Winter	No	3.3	0.0	1.2	125.2
0112		30.2	1,126.4	3,386.5			1.4	2	0112	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN Suckering	No	Ungulate Winter	No	0.9	0.0	5.2	24.1
0124		30.0	492.7	3,183.3			4.4	2	0124	V	Blade line, log and stump block road	Yes	Non Frozen	In Block Chipping	Clearcut	LFN Suckering	No		Yes	0.0	0.0	0.0	30.0
0126		20.2	504.9	3,139.3				5	0126	V	Blade line, log and stump block road	Yes	Non Frozen	In Block Chipping	Clearcut	LFN Suckering	No	Ungulate Winter	No	0.0	0.0	0.0	20.3
0127		80.7	1,491.3	8,723.9				5	0127	V	Blade line, log and stump block road	Yes	Non Frozen	In Block Chipping	Clearcut	LFN Suckering	No	Ungulate Winter	No	1.1	0.0	0.0	79.6
		380.9	8,862.8	45,064.2			6.9													6.3	0.0	6.4	368.2