

**July 24, 2008**

**DAISHOWA-MARUBENI INTERNATIONAL LTD.  
Peace River Pulp Division**

**FINAL ANNUAL OPERATING PLAN**

**INTRODUCTION**

This plan is for Compartment **DTLP530009** (located in T95-R23–W5) issued under **Deciduous Timber Allocation P530001**.

The proposed location of manufacture for coniferous volume harvested under the authority of this plan is the Boucher Brothers Sawmill in located Nampa, Alberta.

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

Table 7 of Peace River Pulp Division's (PRPD) 2008 General Development Plan (GDP) summarizes incidental conifer volumes and destination.

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

**STAND PRODUCTION (Quadrant)**

Proposed production for this timber year:

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Deciduous Dominated Stands: **70,014 m<sup>3</sup>**

Coniferous Dominated Stands: **0 m<sup>3</sup>**

Incidental Deciduous: **0 m<sup>3</sup>**

Incidental Coniferous: **17,900 m<sup>3</sup>**

The deciduous production record is summarized in **Table 1** of PRPD's 2008 GDP.

## **WOOD OPERATIONS**

Deciduous operating conditions and merchantability standards are subject to the **DMI Timber Harvest Planning and Operating Ground Rules, Operating Conditions listed in Section 5 of PRPD's General Development Plan** and any additional **Operating conditions listed in the Alberta Sustainable Resource Development (ASRD) Letter of Approval.**

The coniferous operations and merchantability standards will comply with the **Alberta Timber Harvest Planning and Operating Ground Rules** and any additional **Operating conditions listed in the ASRD Letter of Approval.**

## **ACCESS DEVELOPMENT**

Prior to company use of any existing road, pipeline, powerline, wellsite or other disposition held by a third party, the consent of the holder will be obtained.

Reclamation will be concurrent with completion of operations. The access development and reclamation will follow the company's weed control plan.

## **Licences of Occupation:**

<b>Number</b>	<b>Held By</b>	<b>Road Class</b>	<b>Season of operation</b>
LOC012389	Penn West Petroleum Ltd	IV	Dry/frozen
LOC022620	Penn West Petroleum Ltd	IV	Dry/frozen
PLA022941	Penn West Petroleum Ltd	Pipeline	Dry/frozen

## **Road Construction**

### **Class V Roads**

In-block roads will be installed during the harvest of 2008. The block roads will be reclaimed upon completion of hauling.

### **Access Construction:**

<b>Disposition</b>	<b>Road Number</b>	<b>Class</b>	<b>Operating Season</b>	<b>Tenure</b>	<b>Development Required</b>	<b>Reclamation</b>	<b>Company</b>
DTLP530009	29	V	Non-frozen	1 Year	Pre-log and stump access and block roads	Rollback and piling as required	DMI
DTLP530009	30	V	Non-frozen	1 Year	Pre-log and stump access and block roads	Rollback and piling as required	DMI
DTLP530009	31	V	Non-frozen	1 Year	Pre-log and stump access and block roads	Rollback and piling as required	DMI
DTLP530009	32	V	Non-frozen	1 Year	Pre-log and stump access and block roads	Rollback and piling as required	DMI
DTLP530009	33	V	Non-frozen	1 Year	Pre-log and stump access and block roads	Rollback and piling as required	DMI

## **STREAM CROSSINGS**

No crossing where identified at time of layout. If any crossing are found the forest officer will be notified.

## **OPERATIONS**

Coniferous harvesting will be mechanized and completed with a feller-buncher, grapple skidder, and stroke delimeter with tree-length haul to the sawmill

Deciduous harvesting will utilize a feller-buncher, grapple skidder and a bush chipper with a chip haul to the pulp mill.

## **TRAPPER NOTIFICATION**

All Trappers will receive a copy of this Final AOP.

<b>Number</b>	<b>Holder</b>	<b>Contact Date</b>	<b>Method</b>
2147	Myron Krupinski	July 2008 (Final AOP)	Registered Mail

## **CUTBLOCK AND RETENTION DESIGN CONSIDERATIONS**

The deciduous component of this plan was designed with objectives from the 1999 DMI Detailed Forest Management Plan and PRPD's 2008 GDP.

1. The blocks that are being harvested are the second pass blocks from the original Preliminary submitted in 1999.
2. Retain merchantable volume within harvested areas as outlined in PRPD's "Retention Strategy". This retention will contribute to the overall goal of retaining 15% at the landscape level. The actual retention for individual blocks will vary between 0 and 30%.
3. Design in-block roading that minimize road construction, reclamation requirements, and minimize access throughout the area after harvest.

## **CUTBLOCK SUMMARY**

The cutblock summary is listed below.

<b>Disposition</b>	<b>Block Number</b>	<b>Total Area (ha)</b>	<b>DEC. VOL. (m<sup>3</sup>)</b>	<b>CON. VOL. (m<sup>3</sup>)</b>
DTLP530009	29	52.1	10,420	2,605
DTLP530009	30	119.3	23,860	5,965
DTLP530009	31	30.7	5,526	1,535
DTLP530009	32	97.2	18,468	4,860
DTLP530009	33	58.7	11,740	2,935
	<b>Totals</b>	<b>358.0</b>	<b>70,014</b>	<b>17,900</b>

## **HISTORICAL RESOURCE CONSIDERATIONS**

This plans operations will comply with the Alberta Historical Resources Act.

## **UNDERSTORY MANAGEMENT**

There was no understory concerns found when layout was completed.

The inspecting Forest-Officer will be notified of any changes to the understory protection prescriptions.

## **REFORESTATION PROGRAM**

The Reforestation Table below outlines the proposed harvest system, silviculture system (strategy) and reforestation tactic for the blocks to be harvested.

## **SILVICULTURE STRATEGIES**

Timber Year	DISPOSITION	Block	(ha) (0.1 ha)	Operating Season	Proposed Harvest System	SILVICULTURE SYSTEM	REFORESTATION TACTIC
2008	DTLP530009	29	52.1	Non-frozen	Roadside Chipper	Clearcut	Leave For Natural Suckering
2008	DTLP530009	30	119.3	Non-frozen	Roadside Chipper	Clearcut	Leave For Natural Suckering
2008	DTLP530009	31	30.7	Non-frozen	Roadside Chipper	Clearcut	Leave For Natural Suckering
2008	DTLP530009	32	97.2	Non-frozen	Roadside Chipper	Clearcut	Leave For Natural Suckering
2008	DTLP530009	33	58.7	Non-frozen	Roadside Chipper	Clearcut	Leave For Natural Suckering

The Table below outlines pre harvest strata polygons by the four cover types based upon the current Forest Inventory data.

## **Pre-harvest Landbase**

<b><u>Timber Year</u></b>	<b><u>DISPOSITION</u></b>	<b><u>Block</u></b>	<b><u>ha</u></b> <b><u>(0.1 ha)</u></b>	<b>Map Inventory Type (pre-harvest)-ha And Planned Declaration</b>			
				<b><u>C</u></b>	<b><u>CD</u></b>	<b><u>DC</u></b>	<b><u>D</u></b>
2008	DTLP530009	29	52.1	0.0	0.0	0.0	52.1
2008	DTLP530009	30	119.3	0.0	0.0	0.0	119.3
2008	DTLP530009	31	30.7	0.0	0.0	0.0	30.7
2008	DTLP530009	32	97.2	0.0	0.0	0.0	97.2
2008	DTLP530009	33	58.7	0.0	0.0	0.0	58.7
	Totals		358.0	0.0	0.0	0.0	358.0

**ENDORSEMENT OF AOP DTLP530009 :**

AOP prepared by:

Name: Trina Tosh,  
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Position: Forest Resources Supervisor -  
Planning

Name: Phil Dube  
RPFT 960017  
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Signature:

Signature:

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Date:

Date:

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