

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

**FINAL ANNUAL OPERATING PLAN (revised)
EP-WhiskeyJack
Aug. 13, 2009**

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1.0 INTRODUCTION

This plan for Operating Area **EP-WhiskeyJack** 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 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: **185,322 m³**

Incidental Conifer: **56,811 m³**

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	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
LOC940184	Huskey Oil	V	Winter	NA
LOC032247	DMI	V	Winter	NA
LOC0000206	Baytex	V	Winter	NA
LOC920770	DMI East Haul Road	III	Dry weather or winter	NA
LOC991030	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.

Crossing No.	Structure	Stream Class	Company
1	Snowfill	Intermittent	DMI
2	Snowfill	Intermittent	DMI
3	Snowfill	Intermittent	DMI
4	Snowfill	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.

Number	Holder	Contact Date	Method
1573	Dollard Dollaire	May 2009 FHP	Registered Mail
1621	Lawrence Hunter	May 2009 FHP	Registered Mail
2508	Gene Alm	May 2009 FHP	Registered Mail

This AOP was sent out to all stakeholders and block 220 was amended (as per new AOP map) at the request of one of the stakeholders.

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 Hoggling 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 Strategy for Harvesting in Winter Ungulate Zone

The following Table lists the blocks from this disposition which are proposed to be harvested this season in the ungulate zone. The estimated number of days to harvest each block is also included. The total volume to be harvested in frozen conditions is 55082 m3. Peace River Logging is the contractor working in that area and they have 2

chippers that will be used. Based on an average production of 1700m³ per day for the 2 chippers, it will take 32.4 days to complete the chipping. If chipping starts on December 1, it will be completed by January 14. There will be no production from December 24 – January 3. There is a possibility of getting into the blocks earlier than Dec.1 and DMI will be ready to go in as soon as ground conditions allow. Hog processing will occur in haul cleared blocks while the chipper is working in other blocks and will be completed several days after the chipping has concluded. Incidental conifer will be handled at the same time as the aspen to ensure there are no delays with reclamation. Reclamation will take place after blocks are haul cleared (chipping, incidental conifer, and hog removed).

DMI tracks chipping production on a daily basis and if the production is ahead of schedule, all the blocks planned in the ungulate zone will be completed and an extension of a few days past the deadline to get the hogging and reclamation done may be requested. However, if the production is so low that chipping would extend well past the Jan 15 deadline, DMI will leave blocks 215,216,217 and 218 and move into contingency blocks which are outside the ungulate zone. This decision will be made before any feller bunching is done in the 4 blocks.

EP-WhiskeyJack Ungulate Zone Blocks

Block No.	Op. Year	Op Ground Conditions	Merch Area	Plan Con Vol M3	Plan Dec Vol M3	Total m3	No. days to chip block
0208	2009	Frozen	15.1	614	2849.6	3463.6	2.0
0209	2009	Frozen	45.5	2207.4	8233.6	10441	6.1
0210	2009	Frozen	29.3	1020.9	5251.4	6272.3	3.7
0211	2009	Frozen	27	944.6	4463.5	5408.1	3.2
0212	2009	Frozen	5.6	258.7	1093.1	1351.8	0.8
0213	2009	Frozen	15.4	665.6	2929.4	3595	2.1
0214	2009	Frozen	18.8	825.2	3611.6	4436.8	2.6
0215	2009	Frozen	13.5	685.2	2350.1	3035.3	1.8
0216	2009	Frozen	15.7	517.2	2367.6	2884.8	1.7
0217	2009	Frozen	12.2	760.9	2055.6	2816.5	1.7
0218	2009	Frozen	23.6	1529.6	4078.3	5607.9	3.3
0219	2009	Frozen	24.7	738	3310.7	4048.7	2.4
0221	2009	Frozen	6.9	434.7	1286.1	1720.8	1.0
				11202	43880.6	55082.6	32.4
0220	2009	Non Frozen	23.2	1032.5	3855.5		
0222	2009	Non Frozen	31.5	1330.1	5300.4		
0232	2009	Non Frozen	15.2	627	2423.3		

8.0 ENDORSEMENT OF AOP

AOP prepared by:

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

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

APPENDIX A
Block Information Table and AOP Checklist



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

Op Area: EP-WhiskeyJack

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
0200		15.2	1,377.7	2,679.1	2.0			3	0200	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	1.5	0.0	0.0	13.7
0201		49.8	3,435.1	9,456.2	4.0		1.5	8	0201	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	49.8
0202		32.7	2,037.9	7,226.4	2.0			10	0202	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	32.6
0203		55.4	3,978.0	12,128.0	5.0		0.9	8	0203	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	14.6	40.7
0204		16.0	925.9	3,443.3	2.0		0.2	2	0204	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	16.0
0205		25.4	1,766.9	4,894.1	3.0		1.2	4	0205	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	25.4
0206		12.7	1,450.6	2,196.4	1.0		0.6	8	0206	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	8.1	0.0	4.6
0207		11.8	501.8	2,237.5	1.0		0.5	8	0207	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	11.8
0208		15.1	614.0	2,849.6	1.0		0.6	8	0208	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	15.1
0209		45.5	2,207.4	8,233.6	3.0		0.9	8	0209	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	1.4	0.0	0.0	44.1
0210		29.3	1,020.9	5,251.4	3.0		0.8	8	0210	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	29.3
0211		27.0	944.6	4,463.5	3.0		0.5	8	0211	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	27.0
0212		5.6	258.7	1,093.1	0.0			5	0212	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	5.6
0213		15.4	665.6	2,929.4	1.0			8	0213	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	15.4
0214		18.8	825.2	3,611.6	1.0			8	0214	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	18.8
0215		13.5	685.2	2,350.1	1.0			8	0215	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.6	0.0	0.0	12.9
0216		15.7	517.2	2,367.6	1.0			8	0216	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	15.7
0217		12.2	760.9	2,055.6	1.0			8	0217	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.9	0.0	0.0	11.3
0218		23.6	1,529.6	4,078.3	2.0			8	0218	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	1.0	0.0	0.0	22.7
0219		24.7	738.0	3,310.7	2.0		0.6	8	0219	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	1.6	23.1
0220		23.2	1,032.5	3,855.5	5.0		1.2	8	0220	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	23.2
0221		6.9	434.7	1,286.1	0.0			1	0221	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	6.9
0222		31.5	1,330.1	5,300.4	2.0		1.6	8	0222	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	31.5
0223		9.2	526.1	1,902.5	1.0			1	0223	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	9.2
0226		9.5	472.6	1,517.8	1.0			1	0226	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	9.5
0227		15.9	753.4	3,169.6	1.0		1.4	8	0227	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	0.0	0.0	15.9
0228		0.7	30.9	130.8	0.0			0	0228	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	0.7
0230		6.2	592.3	486.8	0.0			0	0230	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	2.9	0.0	0.0	3.4
0231		19.2	1,090.8	4,030.0	1.0		0.1	10	0231	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	19.2
0232		15.2	627.0	2,423.3	1.0			10	0232	V	Blade line, log and stump block road	No	Non Frozen	In Block Chipping	Clearcut	LFN	No	Ungulate Winter	No	0.0	0.0	0.0	15.2
0233		8.0	281.5	1,448.5	0.0			1	0233	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	8.0
0235	Yes	58.2	4,002.4	12,999.1	5.0			10	0235	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.7	0.0	0.0	57.4
0236	Yes	24.1	1,256.2	4,437.3	3.0			8	0236	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	24.1
0237	Yes	16.2	878.1	3,165.3	2.0			8	0237	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	16.2
0238	Yes	3.5	208.1	612.4	0.0			0	0238	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No	Special Access	No	0.0	3.5	0.0	0.0
0239	Yes	41.8	1,612.5	7,857.1	4.0			8	0239	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	41.8
0240	Yes	5.5	450.3	1,308.2	0.0			0	0240	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	5.5
0241	Yes	19.4	1,969.8	3,945.3	2.0			8	0241	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	19.4
0242	Yes	41.1	3,274.5	8,100.2	4.0			8	0242	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	41.1
0245	Yes	24.7	1,857.9	5,690.9	3.0			8	0245	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	24.7
0246	Yes	73.4	5,433.6	15,652.3	8.0			8	0246	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	73.4
0247	Yes	15.3	934.6	2,946.1	3.0			8	0247	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No		No	0.6	0.0	0.0	14.8
0248	Yes	12.9	599.8	2,393.3	2.0			8	0248	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No		No	0.0	0.0	0.0	12.9
0249	Yes	18.7	920.5	3,808.4	2.0			8	0249	V	Blade line, log and stump block road	N/A	Frozen	In Block Chipping	Clearcut	LFN	No		No	0.0	0.0	0.0	18.7
		965.7	56,811.4	185,322.7	89.0		12.6													9.6	11.6	16.2	928.3

AOP Checklist

Area:	EP-WhiskeyJack	Disposition Number	FMA890027
Company:	DMI	QAAC	4,170,000 m ³
Season of Harvest	Frozen/non Frozen	Quadrant Production to Date	2,762,990 m ³
DTA number		Quadrant Volume Remaining	1,407,010 m ³
Date Disposition Issued		Proposed Production (this year)	185,322m ³
Date Disposition Expires		Submission Date	August 13/09
Approval Item	Yes/No	Initial/Date	
Validated by RPF	yes		
Plan signed by imbedded tenure holders	Out for review Boucher sig. included		
AOP has approved FHP(s)	NO		

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

Yes _____

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

Yes _____

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

n/a _____

Debris disposal

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, water source & 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	
-sensitive wildlife sites	Yes
Additional information as per section 3.4.6	No known
Comments for each harvest area as per section 3.4.8	Yes
Detailed harvest plans as per section 3.4.10	Yes
	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

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

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

Submitting RPF Validation

Company

Date

Submitting RPF Validation
(intergrated plans)

Company

Date

SRD Sign-off

Reviewing RFO Validation

Date