

**November 28, 2007**

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

**FINAL ANNUAL OPERATING PLAN**

**INTRODUCTION**

This plan for Compartment **FMA P130125** (located in Twp82-Rng15 and Rng16 W5) issued under **Forest Management Agreement 8900027** covers the operating period from May 1, 2007 to April 30, 2008.

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 Canadian Forest Products (CANFOR).

This plan is contingency volume for Community Based Value Added Corporation (CBVAC) and is not represented in table 7 of 2007 GDP as this volume is not scheduled for chipping operations.

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

**DECIDUOUS PRODUCTION (Quadrant)**

Proposed Production for this timber year:

Deciduous Dominated Stands: **54,474 m<sup>3</sup>**

Incidental Conifer: **18,625 m<sup>3</sup>**

## **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, power line, well site 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.

### **Licenses of Occupation:**

<b>Number</b>	<b>Held By</b>	<b>Road Class</b>	<b>Season of Operation</b>
LOC890482	Daishowa Marubeni International Ltd	III	Dry-Weather
LOC900397	Daishowa Marubeni International Ltd	III	Dry-Weather
PLA060957	Admant Energy Inc.	crossing	
PLA2823	Nova	V	Frozen
PLA780093	Nova	V	Frozen
MLL910150	M.D. Northern Lights No. 22		

## Road Construction

### **Class V Roads**

In-block roads will be installed during the harvest of 2007/2008. The block roads will be reclaimed upon completion of hauling.

<b>Road Number</b>	<b>Class</b>	<b>Frozen or Non-Frozen Operable</b>	<b>Tenure</b>	<b>Development Required</b>	<b>Reclamation</b>
4	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
5	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
7	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
8	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
10	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
12	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
13	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
14	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
15	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
20	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
22	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
23	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
25	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
26	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
27	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
28	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
29	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
30	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
31	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
32	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required

Road Number	Class	Frozen or Non-Frozen Operable	Tenure	Development Required	Reclamation
33	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
34	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
35	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
43	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
213	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required
214	V	Frozen	1 Year	Blade line, Pre-log and stump block roads	Rollback and piling as required

### **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 removal of crossings constructed with snow or logs fills will be removed after operations are completed.

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
31	Snow/Log Fill	Intermittent	DMI
32	Snow/Log Fill	Intermittent	DMI
33	Snow/Log Fill	Intermittent	DMI
34	Snow/Log Fill	Intermittent	DMI
35	Snow/Log Fill	Intermittent	DMI
36	Snow/Log Fill	Intermittent	DMI
37	Snow/Log Fill	Intermittent	DMI
38	Snow/Log Fill	Intermittent	DMI
39	Snow/Log Fill	Intermittent	DMI
40	Snow/Log Fill	Intermittent	DMI
41	Snow/Log Fill	Intermittent	DMI
42	Snow/Log Fill	Intermittent	DMI
43	Snow/Log Fill	Intermittent	DMI
50	Snow/Log Fill	Intermittent	DMI
51	Snow/Log Fill	Intermittent	DMI
52	Snow/Log Fill	Intermittent	DMI
53	Snow/Log Fill	Intermittent	DMI
54	Snow/Log Fill	Intermittent	DMI

## **OPERATIONS**

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

Deciduous harvesting will be mechanized and completed with a feller-buncher, grapple skidder and, and a stroke delimber with tree-length to the 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>	<b>ISSUES</b>
2038	Geoffrey Exner	Copy of Preliminary AOP	Registered Mail	
		Copy of Final AOP	Registered Mail	

## **DESIGN CONSIDERATIONS**

The deciduous component of this plan was designed with objectives from the 1999 DMI Detailed Forest Management Plan and PRPD's 2007 GDP.

1. Implement a single-pass harvest system that utilizes natural stand boundaries as block boundaries to avoid potential fragmentation of the landbase.
2. Retain merchantable volume within harvested areas of retention 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 to minimize road construction, reclamation requirements, and access throughout the area after harvest.

## **CUTBLOCK SUMMARY**

The cutblock summary is listed below

<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>
4	12.9	2,507	454
5	13.6	2,037	368
7	17.6	3,128	542

Block Number	Total Area (ha)	DEC Vol (m <sup>3</sup> )	CON Vol (m <sup>3</sup> )
8	7.4	1,392	238
10	6.9	1,150	230
12	13.3	2,555	447
13	6.5	1,121	193
14	4.5	514	89
15	5.2	909	157
20	10.6	1,729	1,215
22	12.4	2,278	516
23	5.5	1,192	789
25	13.2	2,734	629
26	9.7	2,013	1,430
27	25.2	5,327	3,951
28	15.8	3,955	858
29	10.2	2,121	1,445
30	10.5	2,207	1,525
31	3.4	713	157
32	3.3	727	172
33	6.3	1,189	432
34	19.2	3,212	844
35	23.2	3,513	924
43	31.3	4,482	765
213	4.8	801	130
214	5.3	966	124
TOTALS	297.7	54,474	18,625

### **BLOCK SEQUENCING**

These blocks are in a “Special Access Area” (SRD 2006). Access will be blocked during long periods of inactivity (periods exceeding 72 hr). The block sequence for this area will be 10, 7, 213, 214, 24, 12, 8, 15, 13, 5, 4, 20, 35, 34, 30, 29, 26, 27, 23, 32, 33, 31, 28, 22 and 43.

There are a number of Protective Notations in the north east corner of this disposition. The protective notations are PNT 890422, PNT820603, PNT890318.

### **SLASH DISPOSAL**

Slash disposal guidelines set out in section five of the 2007 GDP will be followed.

### **HISTORICAL RESOURCE CONSIDERATIONS**

This plan’s operations will comply with the Alberta Historical Resources Act.

## **UNDERSTORY MANAGEMENT**

Any additional areas of understory encountered during operations within these blocks will be assessed and protection measures implemented as indicated in DMI's understory protection guidelines.

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.

<b>Timber Year</b>	<b>Disposition</b>	<b>Block</b>	<b>Area (0.1 ha)</b>	<b>Pre-Harvest Assessment Completed</b>	<b>Frozen or Non-Frozen Operable</b>	<b>Proposed Harvest System</b>	<b>Silviculture System</b>	<b>Reforestation Tactic</b>
2007	FMAP130125	4	12.9	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	5	13.6	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	7	17.6	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	8	7.4	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	10	6.9	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	12	13.3	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	13	6.5	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	14	4.5	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	15	5.2	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	20	10.6	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	22	12.4	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	23	5.5	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	25	13.2	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	26	9.7	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering

<b>Timber Year</b>	<b>Disposition</b>	<b>Block</b>	<b>Area (0.1 ha)</b>	<b>Pre-Harvest Assessment Completed</b>	<b>Frozen or Non-Frozen Operable</b>	<b>Proposed Harvest System</b>	<b>Silviculture System</b>	<b>Reforestation Tactic</b>
2007	FMAP130125	27	25.2	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	28	15.8	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	29	10.2	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	30	10.5	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	31	3.4	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	32	3.3	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	33	6.3	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	34	19.2	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	35	23.2	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	43	31.3	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	213	4.8	No	Frozen	Tree-length	Clearcut	Leave for Natural Suckering
2007	FMAP130125	214	5.3	No	Frozen	Tree-length	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.

Timber Year	DISPOSITION	Block	Area (Ha)	Map Inventory Type (pre-harvest)-ha			
				<u>C</u>	<u>CD</u>	<u>DC</u>	<u>D</u>
2007	FMAP130125	4	12.9	0.0	0.0	0.0	12.9
2007	FMAP130125	5	13.6	0.0	0.0	0.0	13.6
2007	FMAP130125	7	17.6	0.0	0.0	0.0	17.6
2007	FMAP130125	8	7.4	0.0	0.0	0.0	7.4
2007	FMAP130125	10	6.9	0.0	0.0	0.0	6.9
2007	FMAP130125	12	13.3	0.0	0.0	0.0	13.3
2007	FMAP130125	13	6.5	0.0	0.0	0.0	6.5
2007	FMAP130125	14	4.5	0.0	0.0	0.0	4.5
2007	FMAP130125	15	5.2	0.0	0.0	0.0	5.2
2007	FMAP130125	20	10.6	0.0	0.0	10.6	0.0
2007	FMAP130125	22	12.4	0.0	0.0	0.0	12.4
2007	FMAP130125	23	5.5	0.0	0.0	5.5	0.0
2007	FMAP130125	25	13.2	0.0	0.0	0.0	13.2
2007	FMAP130125	26	9.7	0.0	0.0	9.7	0.0
2007	FMAP130125	27	25.2	0.0	0.0	25.2	0.0
2007	FMAP130125	28	15.8	0.0	0.6	0.0	15.2
2007	FMAP130125	29	10.2	0.0	0.0	8.9	1.3
2007	FMAP130125	30	10.5	0.0	0.0	10.5	0.0
2007	FMAP130125	31	3.4	0.0	0.0	0.0	3.4
2007	FMAP130125	32	3.3	0.0	0.0	0.0	3.3
2007	FMAP130125	33	6.3	0.0	0.0	0.0	6.3
2007	FMAP130125	34	19.2	0.0	0.0	5.1	14.1
2007	FMAP130125	35	23.2	0.0	0.0	0.0	23.2
2007	FMAP130125	43	31.3	0.0	0.0	0.0	31.3
2007	FMAP130125	213	4.8	0.0	0.0	0.0	4.8
2007	FMAP130125	214	5.3	0.0	0.0	0.0	5.3
<b>Totals:</b>			297.7	0.0	0.6	70.4	227.3

**ENDORSEMENT OF AOP BY FMA HOLDER**  
**ENDORSEMENT OF AOP: FMAP130125**

AOP prepared by:

Name: Trina Tosh

Name: \_\_\_\_\_

Position: Forest Resources Supervisor,  
Planning

Position: \_\_\_\_\_

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