

ANNUAL WORK SCHEDULE

for the
Algonquin Park Forest

Algonquin Park District, Southern Region
Algonquin Forestry Authority
for the one-year period from April 1, 2010 to March 31, 2011

I/We hereby confirm that this annual work schedule has been prepared in accordance with the requirements of the Forest Management Planning Manual and the Forest Information Manual, and is consistent with the approved forest management plan.

Prepared by: _____
Stephen Bursey, R.P.F.
Pembroke Area Forester, AFA
[date]

Submitted by: _____
G. H. Cumming, R.P.F.
Chief Forester, AFA
[date]

I/We hereby certify that the access, harvest, renewal and maintenance operations which are scheduled in this annual work schedule have been developed in accordance with the requirements of the Forest Management Planning Manual.

[R.P.F. Seal] Keith Fletcher, R.P.F.
Area Forester [date]

[R.P.F. Seal] Stephen Bursey, R.P.F.
Area Forester [date]

I have read this annual work schedule, and found it to be complete and consistent with the approved forest management plan and in accordance with the direction contained in the Ministry of the Environment concurrence letter dated July 7, 2010.

Approved by: _____

John E. Winters,
Park Superintendent/
District Manager
Algonquin Provincial Park

[date]

Forest Information Portal Submission Identifier: _____

Original hard copy of the preceding title, certification and approval page with all required signatures and a reference to this electronic submission will be kept on file at the following Offices:

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Ministry of Natural Resources
31 Riverside Drive, Box 220
Pembroke, ON
K8A 8R6

Algonquin Forestry Authority
Main Office
222 Main Street West
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1.0 Introduction

This Annual Work Schedule (AWS) for the Algonquin Park Forest covers the term April 1, 2010 to March 31, 2011, and outlines the scheduling of previously planned and approved forest management activities in the 2010-2020 Forest Management Plan (FMP) for the Algonquin Park Forest. Table 14 in section 4.2.1.1 of the FMP text contains Conditions on Regular Operations, and Appendix 6.2.10 contains Standard Operating Conditions, both of which will be followed during the implementation of this Annual Work Schedule. More detailed planning information can be referenced in the FMP. This AWS has been prepared in accordance with the 2009 Forest Management Planning Manual (FMPM 2009) and the 2009 Forest Information Manual AWS Technical Specification.

The 2010-2020 FMP for the Algonquin Park Forest was approved on April 14, 2010. There are currently 2 outstanding requests submitted to the Ministry of the Environment (MOE) for an Individual Environmental Assessment (IEA) for this FMP. On June 17, 2010 the MNR Southern Region Director requested concurrence from MOE on the decision to approve forest operations in the Algonquin Park Forest while the outstanding IEA requests are being considered by MOE. In a letter dated July 7, 2010 MOE has provided concurrence with MNR's decision with the following two conditions:

1. It will limit the harvesting of hemlock in the 2010-2011 Annual Work Schedule (AWS) to 14,972 cubic metres (m³) until a decision is rendered on the IEA requests to ensure that the FMP's current fibre commitments to existing mills are maintained.
2. No operational road construction will occur within "Scheduled Road Construction Only" areas identified in the 2010-2011 Annual Work Schedule until a decision is rendered on the IEA requests. MNR will ensure that the Algonquin Forestry Authority (AFA) minimizes the construction of operational roads and MNR will approve all operational road locations prior to construction until a decision is rendered on the IEA requests.

All operations in this Annual Work Schedule will be in accordance with this direction.

The Algonquin Park Forest Management Unit is administered by Ontario Parks, a branch of the Provincial Services Division of the Ontario Ministry of Natural Resources (MNR). Algonquin Park is located in the MNR's Southern Administrative Region.

The Algonquin Forestry Authority (AFA), an Ontario Crown Agency, is responsible for forest management and harvesting activities within Algonquin Park, under the Algonquin Park Forestry Agreement. The Authority is the sole licensee in the management unit.

2.0 Harvest

Forest stands scheduled for harvest are identified in the accompanying Harvest Area geospatial information product. The area identified for harvest totals approximately 19,417 ha, which is about 1.4 times the average annual rate of forecast depletion for the five-year term of the FMP. This excess area has been identified in order to provide flexibility to accommodate weather and market related fluctuations, as well as seasonal wildlife and recreation related operational constraints.

A comparison of the area identified in this AWS for harvest, relative to the average annual harvest by forest unit type (determined from FMP-15) reveals that for each individual forest unit, the actual planned harvest area is less than two years of area, with the exception of the red oak forest unit. The three adjacent '152' series operating units in the northern portion of Master Township have a significant oak component, which results in this relatively small overall forest unit being highly represented in this particular AWS (approximately 2.8 times the planned annual average).

Approximately 5,000 hectares of candidate bridging area from the previous FMP (2005-2010) have also been identified for harvest. An amendment to the new FMP will be completed to add this candidate bridging area to the plan prior to these operations commencing. The actual bridging area harvested will be limited to 3 months of the available harvest area (AHA) from the previous FMP (3,363 hectares) and will be harvested during this AWS. In the event that the actual bridging area harvested exceeds this maximum area, it will be treated as carryover area, and the equivalent amount of area will be removed from the FMP through an amendment.

Stand level residual requirements will be addressed according to FMP text section 4.3.4 Planned Clearcuts, FMP Text Appendices section 6.2.5 Tree Marking Prescriptions, as well as the Forest Management Guide for Natural Disturbance Pattern Emulation (NDPE), 2001. Prior to tree marking, each FMP planned Forest Disturbance Area allocated for harvest will be reviewed in light of actual conditions in the field. In most cases, this will result in a different disturbance configuration than was planned. Residual patches that are not areas of concern (AOC) may be relocated during tree marking in order to better reflect a natural post-fire configuration. For disturbance areas greater than 100 hectares, total residual area targets will be maintained.

3.0 Renewal and Maintenance (Tending and Protection)

Forest stands scheduled for renewal and maintenance activities are identified in the accompanying Renewal and Maintenance geospatial information product. Areas scheduled for harvest may also receive renewal and maintenance treatments in this AWS. The total area identified exceeds the forecast of actual area to be treated in order to provide operational flexibility.

During the period of this AWS, approximately 600 ha of mechanical site preparation for planting, 300 ha of scarification for natural regeneration, and 1100 ha of planting are planned. Actual site preparation and scarification treatment amounts will depend on the amount of previously treated area in the OPU, and the development of sufficient cone crops, respectively. The actual amount of area planned for natural regeneration cannot be determined from the amount of area identified for harvest in this AWS because more than one year of area has been identified to provide operational flexibility. From table FMP-15 Forecast (10 year) and Planned (5 year) Harvest Area, on average, 2,292 ha of uniform shelterwood seeding cut area, 722 ha of clearcut area, and 7,322 ha of selection harvest area will be regenerated naturally.

Tending activities planned during this AWS include approximately 450 ha of manual cleaning and 450 ha of pre-commercial thinning (thinning and stand improvement).

There are no protection activities, prescribed burns, or aerial applications of herbicides or insecticides planned during the period of this AWS.

4.0 Roads

Road construction corridors and associated AOCs for new primary and branch roads, existing roads subject to maintenance, as well as operational road boundaries have been identified in accompanying Roads geospatial information product.

Section 4.5 Roads and Aggregate Pits and Appendix 6.2.10 of the FMP provides detailed roads planning and documentation for all roads to be constructed during the ten-year period. The construction of several primary and branch roads is planned during the period of this AWS, with the exact lengths to be constructed subject to a variety of factors (i.e. market demand, weather, wildlife and recreational constraints). At the time of AWS preparation, it is anticipated that the following roads will be constructed during this AWS period.

Primary roads: Billy Lake Road, 8.5 km built up to Mole Creek; Manta Lake Road, 1.5 km.

Branch roads: Alco Lake Road, 3.9 km; Bronson Road, 6 km; Devil's Chute Road, 3.2 km; East End Lake Road, 2.9 km; East Plover Road, 1.8 km; Frog Lake Road, 1.1 km; Furrow Lake Road, 5.3 km; Guthrie Lake Road, 5.9 km; Kellys Lake Road, 2.4 km; Number One Lake Road, 3.9 km; Hollow River Road, 6.3 km; Koko Lake Road 2 km; Little McCraney Lake Road, 6.8 km; McCraney Lake Road, 1.5 km; Presto Lake, 0.5 km; Rowan Lake Road, 4.2 km; Teal Lake Road, 2.2 km; Wilkes Lake Road, 0.6 km.

Decommissioning of roads will primarily be accomplished through natural regeneration, and through the removal of water crossings as identified in table AWS-2 and the associated geospatial information products. The entrances of operational roads

originating along public access roads within the park, and operational roads within certain AOC's may also be rehabilitated throughout the year. Refer to table FMP-22 Forecast (10 year) and Planned (5 year) Road Construction and Use Management, and FMP-23 Road Crossings of Areas of Concern for further details.

4.1 Water Crossing Construction

The planning of water crossings occurs over two successive annual work schedules to enable the MNR review of water crossings with respect to the Fisheries Act. Table FMP-23 Road Crossings of Areas of Concern details the conditions on location and construction for each individual crossing on primary and branch roads, and collectively on all operational roads. At the time of AWS preparation, all conditions listed in FMP-23 are believed to be accurate. Table AWS-1 and crossing related information in the Roads geospatial information products (supplied to Ontario Parks) describe each proposed crossing; including the structure, conditions on construction, and recommendation on future removal.

Table AWS-1 shows the Area of Concern identifier number, proposed structure and a construction conditions code. The term "portable bridge" in table AWS-1 includes structures made of various materials including wood, where in-stream construction is not required. In an engineering context, bridge implies a span of 3 meters or more. Portable bridges in AWS-1 will include structures less than 3 meters. All portable bridges used will be sized to adequately protect the feature being crossed (i.e. braided streams).

Construction Condition Codes for AWS-1

Portable bridge cold water. Portable bridge CW

- No in-stream construction from October 1 to May 31 for cold water. The structure to be installed will not require in-stream construction and equipment crossings will be minimal.

Portable bridge warm water. Portable bridge WW

- No in-stream construction from April 1 to June 30 for warm water. The structure to be installed will not require in-stream construction and equipment crossings will be minimal.

Culvert equivalent to 5 foot diameter or less in cold water: Culvert CW

- No in-stream construction from October 1 to May 31 for cold water, unless risk to fish population(s) can be prevented or mitigated as approved by MNR. The structure to be installed will require in-stream construction.

Culvert equivalent to 5 foot diameter or less in warm water: Culvert WW

- No in-stream construction from April 1 to June 30 for warm water, unless risk to fish population(s) can be prevented or mitigated as approved by MNR. The structure to be installed will require in-stream construction.

Existing Crossing: Existing Crossing

- No in-stream construction from October 1 to May 31 for cold water and April 1 to June 30 for warm water.
- The existing crossing is in suitable condition and has been in place for 10 years or more without environmental risks. Only road and culvert maintenance will be carried out to the existing structure.

Constructed bridge cold water: Bridge CW

- No in-stream construction from October 1 to May 31 for cold water, unless risk to fish population(s) can be prevented or mitigated as approved by MNR. The structure is constructed on site for a span of 12 feet or more and is approved by an engineer. Constructed abutments are required.

Constructed bridge warm water: Bridge WW

- No in-stream construction from April 1 to June 30 for warm water, unless risk to fish population(s) can be prevented or mitigated as approved by MNR. The structure is constructed on site for a span of 12 feet or more and is approved by an engineer. Constructed abutments are required.

Ford cold water: Ford CW

- Suitable crossing to meet fording conditions in the Environmental Guidelines for Access Roads and Water Crossings.
- No in-stream construction or fording from October 1 to May 31 for cold water, unless risk to fish population(s) can be prevented or mitigated as approved by MNR.

Ford warm water: Ford WW

- Suitable crossing to meet fording conditions in the Environmental Guidelines for Access Roads and Water Crossings.
- No in-stream construction or fording from April 1 to June 30 for warm water, unless risk to fish population(s) can be prevented or mitigated as approved by MNR.

Intermittent Stream: Intermittent

- Only common conditions listed above apply.

Other type of Construction: Other

- Crossing will be applied for by letter, with construction and mitigation details.

Many of the portable bridges for silviculture operations also show decommissioning in the same year. Many of these are roads used approximately 12 years ago. The proposed structure is usually a portable bridge and the construction condition a culvert. Many of these old crossings require rehabilitation which requires in-stream work. Consequently, the construction condition is classed as a “culvert” to allow proper crossing rehabilitation.

4.2 Other Crossings of Areas of Concern

For each operational road crossing of an area of concern that does not involve a water crossing, as of the time of AWS preparation, the conditions described table FMP-23 Road Crossings of Areas of Concern are believed to be accurate. These crossings are identified in the accompanying scheduled non-water AOC crossings geospatial information product. At the time of AWS submission it is not possible to identify this detail for Species at Risk AOC crossings, as direction from MNR regarding roads in SAR AOCs is still outstanding.

The following portage crossings are planned for the 2010-11 season:

Rain Lake to Little McCraney Lake portage in McCraney township,
Acanthus Lake to Mishimokwa Lake portage in Deacon township.

Portage crossings and cart trails will be kept in good condition and rehabilitated, as discussed with Ontario Parks, upon completion of forest management operations.

4.3 Water Crossing Decommissioning

Table AWS-2 and crossing related information in the Roads geospatial information products (supplied to Ontario Parks) describe each crossing to be decommissioned, and include conditions on removal and review with respect to the Fisheries Act. Table FMP-23 Road Crossings of Areas of Concern details conditions on removal for each individual crossing on primary and branch roads, and collectively on all operational roads. Table FMP-22 describes future use management strategies (including abandonment through water crossing removals) for each individual primary and branch road, and collectively for operational roads.

4.4 Forestry Aggregate Pits

Aggregate pits will be established, utilized and rehabilitated as per FMP sections 4.5.3 Aggregate Pits, 4.5.4 Conditions on Forestry Aggregate Pits, and 4.5.5 Aggregate Extraction Areas. The accompanying geospatial information identifies active pit locations. No applications for a Category 9 permit are planned at the time of AWS preparation.

5.0 Fire Prevention and Preparedness

The Annual Fire Plan (Appendix A) identifies the resources available to carry out annual fire prevention and suppression operations. Additional information with respect to fire management in Algonquin Park is contained in FMP section 3.4.1.15.

6.0 Monitoring and Assessment

Appendix B comprises the Annual Monitoring Plan, which details the annual compliance strategy for the Algonquin Forestry Authority.

Areas scheduled for regeneration assessment will be completed as detailed in section 4.7.3 Assessment of Regeneration Success on page 177 of the FMP. The actual amount of area assessed to management standards in HDSEL forest unit will depend on actual harvest levels during the year of this AWS. Targets for free to grow surveys for all other forest units will be approximately one fifth of the 5-year values stated in table FMP-25. In addition, 2-year assessments will be completed in areas that were previously planted, and 5-year assessments will be completed on areas that received regeneration and tending treatments approximately 5 years ago. Ten year stocking assessments will also be conducted in shelterwood areas that previously received seeding and first removal harvests. A program has also been initiated to assess areas that were previously declared free to grow, but that potentially require further treatment. These areas include all areas classified by Ontario Parks as not free-to-grow in their SEM audits. In the event that further treatment is prescribed, these will be reported as re-treatment area in the Annual Report and will be deducted from the total free-to-grow reported area.

All new water crossings are monitored when installed, and AFA staff invoke preventative maintenance/ removal as required on existing crossings. All water crossings are subject to monitoring, as stated in table FMP-22 Forecast (10 year) and Planned (5 year) Road Construction and Use Management. Roads and water crossings will generally be subjected to a visual inspection to identify safety and environmental concerns, with results being documented in bridge inspection files and through the AFA's internal Water Crossing Information Database (WCID).

7.0 Annual Work Schedule Summary Map

An annual work schedule summary map is available on the AFA's internet website at <http://www.algonquinforestry.on.ca/summary.htm>. Areas available for fuelwood are not portrayed on the summary map because there is no publicly available fuelwood within the Algonquin Park Forest. Forest Management Plans, Annual work schedules and associated products (including summary maps) for all forest management units within Ontario can be obtained through the Ontario Ministry of Natural Resources FMP website at www.ontario.ca/forestplans.

Appendix A

Annual Fire Prevention and Suppression Plan for the Algonquin Park Forest (2010-2011)

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1 Main Contact Persons

During normal business hours (Monday to Friday) **John MacDonald, Fire Management Supervisor** for the MNR in Pembroke can be reached at (613) 732-5540, and Jeff Leavey, Manager of Operations for the AFA in Pembroke at (613) 735-0173, ext. 226. After hours, the Pembroke Fire Duty Technician can be contacted at (613) 732-5541 or toll free 1-800-853-4937. For fire reporting, see section 9.10.

2 Operation Contacts in the Event of a Fire

Algonquin Forestry Authority

Bill Hubbert	Area Manager	Huntsville	(705) 789-9647, ext. 27
Jeff Leavey	Manager of Operations	Pembroke	(613) 735-0173, ext. 226

Tembec Forest Resource Management - South (Huntsville)

[REDACTED]	Fibre Management Superintendent	Huntsville	[REDACTED]
[REDACTED]	President - Tom Fisher Logging	Huntsville	[REDACTED]

Walter Dombroski & Sons Limited

[REDACTED]	President	Barry's Bay	[REDACTED]
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G. Visneskie Logging Limited

[REDACTED]	President	Killaloe	[REDACTED]
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Robert D. Robinson Logging Ltd.

[REDACTED]	President	Maynooth	[REDACTED]
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Jessup Bros. Forest Products Ltd.

[REDACTED]	President	Pembroke	[REDACTED]
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Makwa Community Development Corporation

[REDACTED]	Forestry Operations Manager	Golden Lake	[REDACTED]
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3 Location of Operations During Fire Season

Harvesting operations during the period of the fire season are identified in Table 1. AFA operation updates will be sent to Ontario Parks by e-mail. They are also sent to Pembroke Fire Management H.Q. at pem.firemail.mnr@ontario.ca during the fire season (April 1 to October 31).

Table 1 - Schedule of Harvesting Operations

Forest Operations	Location/Schedule of Operations (OPU's)
Harvest	
G. Visneskie Logging Ltd.	Spring/Summer: 1316, 3207, 3208, 3291,3 Summer: 1424 Fall: 1403, 3242, 3421, 3302, 3311,2,4, 3317, 3332 , 3408, 3413 , 3461, 3462 , Winter: 3382, 3395
Jessup Bros. Forest Products	Summer: 1273,4,6 Fall: 1431, 1198, 1183, 1073, 1186, 1520, 1521 Winter: 1520, 1521
AFA Contractor	Summer: 2031 Fall: 2031, 2032, 2113 Winter: 2133, 2134
Makwa Community Development Corporation	Summer: 1097, 1098 Fall: 1094 , 2632, 2633, 2634, 2702 Winter: 2751,2,3, 1082
Robert D. Robinson Logging Ltd.	Spring/Summer - 3782, 3785, 3823,6,8 Fall - 3591, 3592 Fall - 3694 Winter - 3613, 3615 Winter - 3735
AFA Contractor West - Brule	Winter - 3063, 3081,7,8
Tembec Forest Products Inc. Huntsville	Spring/Fall - 3042,3,4 Winter - 3051, 3053
Walter Dombroski & Sons Logging	Summer: 1574,5, 1603, 1612 ,3,4 Fall: 1335, 1354, 1365, 1366 Winter: 1344, 1610, 1701, 1702

Forest Operations	Location/Schedule of Operations (OPU's)
Road Construction - West	<p>Summer: 1421, 1423, 1426, 3751, 3752 Fall: 3423, 3541, 3545,</p> <p><u>Primary Roads:</u> Billy Lake</p> <p><u>Branch Roads:</u> Furrow Lake East End Lake Little McCraney Lake McCraney Lake West Hollow River Teal Lake Koko Lake Presto Lake</p>
Road Construction - East	<p>Summer: 1102 Fall: 1343, 1361</p> <p><u>Primary Roads:</u> Manta Lake</p> <p><u>Branch Roads:</u> Alco Lake Bronson East Plover Lake Frog Lake Guthrie Lake Kelly's Lake Number One Lake Rowan Lake Wilkes Lake</p>
Renewal & Tending	
Planting	May and August- silviculture areas identified on Fire Values Map
Motor-Manual Cleaning	June to September - silviculture areas identified on Fire Values Map
Site Preparation	June to November - silviculture areas identified on Fire Values Map
Tree Marking	April to December

Operating units identified in **bold** are the primary conifer areas, with plans to be operated during the fire season. These have a higher risk of fire danger than other OPU's listed, which are

hardwood dominated or will be operated in the winter season. Winter operations are also displayed to suggest some alterations of scheduling are possible.

Road construction activities that are exclusive of harvest operations have been included by indicating the operating unit for Huntsville (west) and Pembroke (east) operations. The road construction section of Table 1 also contains road names that correspond with primary and branch road construction corridors displayed on AWS map products.

A description of forest units can be found in the Forest Management Plan, Table FMP-3. Briefly, primary conifer areas are OPU's primarily comprised (>50%) of stands with a conifer component of 40% or more.

Location of the AFA equipment during the "fire season" can be determined by **contacting the respective AFA office**. AFA's emergency response plan map for workers and contractors instructs users to contact the AFA offices for current fire cache locations. When not required elsewhere, one AFA pumping unit is typically stored at [REDACTED]

A fire values map for the fire season has been supplied to MNR fire staff and accompanies this AWS. The map depicts fire priorities for protection. It shows all pine and mixedwood forest units. The map also shows current areas in the Annual Work Schedule, access road system, and major bridges.

4 Modifications to Operations During Periods of High Fire Danger

AFA utilizes MNR Aviation and Forest Fire Management Branches' ***"Modifying Industrial Operations Protocol."*** During the fire season, field staff will contact their respective AFA office for the latest "Fire Intensity Codes" and will use the ***"Field Guide to the Modifying Industrial Operations Protocol"*** for modifying forest operations in response to fire danger. AFA Huntsville and Pembroke offices will use the most representative weather station relevant to the location of each active operation in order to determine Fire Intensity Codes. Generally, the Lake Travers weather station will be used for operations in the eastern portion of the park, with that information being accessed through the Pembroke forest user line at 613-735-5538. As appropriate, northwestern and southwestern operations within the park will use the Kiosk and Eagle Lake weather stations respectively, which are both accessed via the North Bay MNR district forest user line at 705-475-5609.

Charts in the protocol specify when operations go to short shift, restricted shift, and when operations are shut down. When an operation requires short shift, based on the protocol, activities will finish by 1200 noon and not restart until 1900 hours. During this time, equipment will be parked on bare ground (i.e. in the middle of landings and gravel pits). More than one hour after the operation has ceased, but before dark, the area will be inspected to verify it is safe. Best practices for equipment cleaning are at shift end. Most equipment fires occur within 30 minutes of equipment shut off.

When the MNR East Region invokes interim fire guidelines, the AFA and the Pembroke Fire Management Supervisor, or his designate, will implement further action as deemed necessary as a result of their discussions.

5 Fire Prevention Awareness

All forest workers will receive training regarding the AFA Fire Plan within ten days of commencing work. Forest workers will comply with this plan as required in AFA contracts. Forest workers will make all reasonable efforts to prevent the occurrence of fires, and to make all reasonable efforts to extinguish any fires occurring for any reason in their area. The AFA fire plan is available to contractors on the AFA intranet site, and all key information is contained in the Emergency Response Plan, which is available at each work site.

6 Promoting Fire Prevention

Conforming to the ***“Forest Fire Prevention Act”*** is a condition stipulated in both AFA ***“Contractors Agreements”*** and ***“Sale of Standing Timber Agreements.”*** AFA personnel monitor operations for compliance pertaining to the agreement and the various Acts covered within. Fire inspections will be noted in FOIP reports during the fire season, as per the schedule in the monitoring plan (generally monthly).

7 Training

Pump crews have been organized and trained. Contractors considered “trained and capable” have means of communication (i.e. two-way radios, cell phone with reception or satellite phone) and a minimum of 25% of their field personnel trained, at a minimum, to SP 102 standards. As operations commence, a list of trained operators on each contractor job is provided to the Ministry of Natural Resources Fire Operations Supervisor. The list will become obsolete as contractors gain and lose employees throughout the fire season. Current lists of trained personnel are kept on file by AFA and are available on request.

SP 102 Fire training consists of the following:

- Personal safety on the fire line
- Fire behavior
- Hand tool fire line construction
- Pump operation and maintenance
- Hose layout and retrieval
- Nozzle operation and water application
- Bulldozer fire line construction and assist fire line construction
- Fire line patrol and observation
- Helicopter operations - safety
- Fixed wing aircraft safety and water bombing drop zones
- Safety around chainsaw operations
- Field exercise pump setup
- Fire mop up

This training, along with provided communications equipment, and implementation of ***“Modifying Industrial Operations Protocol”*** will allow operations to qualify for “trained and capable” status. By meeting prescribed standards, operations can continue under slightly higher fire danger conditions. Operators that have been “trained and capable” are noted with an asterisk in section 8.

8 Operation Size and Fire Suppression Equipment

Table 2 - Fire Suppression Resources

Operation	Crew Size	Skidders	Bulldozers	Pump unit
Dombroski *	15 - 20	4 - 8	2	as required
Jessup *	10 - 15	4 - 8	1	as required
Robinson *	10 - 15	8 - 12	1	as required
Tembec - Huntsville *	20 - 25	7 - 8	1	as required
Visneskie *	10 - 15	6 - 8	1	as required
Makwa *	8 - 10	3 - 12	1	as required

* = Operators that have been "trained and capable."

Table 3 - Fire Equipment Requirements

Operation	Number of Machines	Number of Equipment Caches*	Backpack Pumps**
Heavy equipment with tire chains or tracks, working in forest fuels.	1 - 5	0	1/machine
	6 +	1	
OR***: Heavy equipment at work within a 10km radius of each other (includes hot work)	1 - 9	0	1/machine
	10 +	1	
Tree plant, motor-manual cleaning or other labour-intensive operations.		0	1 for every 4 workers (maximum 10 per site)

* A fire equipment cache contains a minimum of one pumping unit and 3 shovels.

** A serviceable pressurized water delivery system located on a machine can replace a backpack pump. Due to the rough driving conditions encountered by skidders and forwarders, operators may elect to store their backpack pump at the roadside or landing that they are working on, rather than on the machine itself.

*** Only one fire equipment cache will be required on site providing it is within 20 minutes (by

ground transportation) of all equipment (10km radius).

Pumping Unit - Minimum Contents:

- 1 centrifugal power pump capable of delivering water at a minimum of 65 psi., when used with a nozzle with a ½" (one-half inch) opening attached directly to the pump
- 1 tool box which contains nozzles with assorted tip sizes, wye, strainers, hose coupling wrenches, spark plugs, assorted tools (screw drivers, crescent wrench, pliers, etc. for field repairs)
- 1 full 5 gallon sceptre gas can with proper gas/oil mixture to run the pump
- 1 intake hose - 8 to 10 feet in length complete with foot valve
- 24 lengths of serviceable 1-1/2" (one and one-half inch) forestry fire hose with each length measuring 90 to 100 feet and packed 4 lengths per box/packsack

Note: Pumping units must be stored/cached securely and in serviceable conditions at all times and readily available. The AFA has two Wajax pump units and contractors will be equipped with fire caches as required.

Backpack Pump:

A flexible or rigid container containing at least 18 L of water which is equipped with a serviceable single action hand pump to disperse the water.

9 Fire Prevention

Forest operations follow the ***“Field Guide to the Modifying Industrial Operations Protocol”*** using fire codes supplied by MNR. AFA accesses these fire codes from the MNR by code a phone or extranet at www.extranet.mnr.gov.on.ca/home/main.asp and provides the information to AFA Operations Supervisors who convey the information to contractors. Operations Supervisors and contractors will assess their situation relative the guidelines and indices.

When indices approach levels requiring modification, the AFA Manager of Operations and Area Manager will additionally contact Contractors to ensure prevention measures are being taken. Contractors will adhere to all applicable guidelines. Contractors will check fire equipment weekly, and during short shift fire hazard times, fire equipment will be checked daily to ensure all is serviceable. During the fire season, AFA personnel conducting ***“Forest Operations Inspections”*** in Algonquin Park will check that required fire equipment is present and in good working condition.

When operations require modifications to short shift, in response to fire danger, operations may move to lower risk forest conditions (forest fuel groups), remove tire chains or otherwise modify operations to reduce the operational risk. Indices are normally updated by the MNR in the afternoon. Under normal circumstances, if modification is required after 8:00 a.m., the operation modifications will be adopted the following day.

9.1 Fire Prevention Rules These Apply to Woods Workers and Operations in Algonquin Park

1. Do not smoke while fuelling, working or walking.
2. When operating power saws:
 - (a) Allow saw to cool before refuelling.
 - (b) Place saw on mineral soil for fuelling.
 - (c) Saw must be moved a minimum of 10 feet from fueling area prior to starting.
 - (d) Have a working fire extinguisher readily available. The "*Forest Fire Prevention Act*" requires chainsaws to have a fire extinguisher rated for ABC type fires with a minimum 225 grams of dry chemical.
3. Fire extinguishers are to be installed in camps, and with all moving equipment (on or within 5 meters of mechanical equipment). The "*Forest Fire Prevention Act*" requires moving equipment to have fire extinguishers rated at least 6A 80BC.
4. No fires are permitted outdoors during the fire season, except for the purpose of cooking and warmth. When the fire hazard is high, no fires are permitted.
5. All equipment must have proper mufflers and spark arresters, which are not altered in any way.

In addition, the following fire prevention program is carried out.

1. Required fire fighting equipment as per Table 3 to be available and properly stored in good working order at all times. Equipment to be checked weekly under low to moderate conditions and daily when fire indices reach the invoke prevention measures stage.
2. Fire equipment caches will be visible and the locations familiar to all workers.
3. Contractors and supervisors are to remind crews of fire hazard index weekly under moderate conditions and daily when fire indices reach the invoke prevention measures stage.
4. All equipment must be clear of flammable material and debris.
5. Contractors and supervisors must know who to report fires to.

10 Reporting Fires and Communication Equipment

Priority MNR contacts for reporting fires in the Algonquin Park Area are:

Sector Response Officer (24hr)

(705) 457-9935

Toll Free Number

1-888-239-4565

Fire Operations Headquarters, Haliburton

(705) 457-2107

Fire Attack Base Pembroke (24 hour)	Toll free 1-800-853-4937	(613) 732-5541
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Fire Management Supervisor Pembroke	John MacDonald	(613) 732-5540
Fire Management Supervisor Haliburton	Dave Brown	(705) 457-8829
Fire Operations Supervisor Haliburton	Ed Cyr	(705) 457-1129
Fire Operations Supervisor Haliburton	Doug MacMillan	(705) 457-4931
Fire Operations Supervisor Pembroke	Dan Leonard	(613) 732-5547

East Fire Region Fire Reporting Line (24 hr) Sudbury	(705) 564-6072
	Toll free 1-888-863-3473

AFA has a low band radio system that provides park-wide coverage using two repeater towers. Approximately 20 vehicles can be contacted in the Park by phoning:

AFA Huntsville Office	(705) 789-9647
AFA Pembroke Office	(613) 735-0173

Several logging operations have their own radio frequencies and they may be contacted by phoning their respective offices:

1. Dombroski
2. Visneskie
3. Tembec - Huntsville



Cell phone communication is available in several areas of Algonquin Park.

11 Fire Detection Program

During periods of high fire danger, operations will be modified as per Modifying Industrial Operations Protocol. When restrictions are in place, a one hour dedicated patrol is needed after operations cease.

12 Responsibility

The company will start initial attack on any fire in the immediate area of their operation. The senior supervisor on the operation at the time is responsible for initial attack. They will notify MNR and AFA immediately. The objective is to contain the fire without jeopardizing safety or loss of equipment until the fire is out or until released by the MNR Initial Attack Incident Commander (IAIC). Initial attack will involve available heavy equipment, shovels and pack pumps. The pump unit will be immediately sent for. The company will supply any information available, such as when the fire was discovered, the suspected cause, time and method of attack, human resources and equipment on the fire, and hours worked.

Where company assistance is required to fight fires off their limits, it will be a situation of the utmost emergency and the company will be advised by MNR.

Appendix B

Algonquin Forestry Authority
Annual Monitoring Plan
for the 1 year period from
April 1, 2010 to March 31, 2011

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1.0 Introduction

As prescribed by the Forest Information Manual under Forest Operations Compliance Information, this Annual Monitoring Plan has been prepared in accordance with the Guideline for Forest Industry Compliance Planning (January 2005) and following supplementary interim direction for the implementation of compliance planning and reporting contained in the new Forest Compliance Handbook.

Strategic direction from the Strategic Compliance Plan (2010-2020) has been incorporated into this annual plan.

Direction and terminology as provided from the amended Procedure FOR 07 03 04 and FOR 07 03 05 have been used, representing significant change in routine and compliance philosophy. The Forest Compliance Handbook and the following policy and procedures should be consulted for additional direction and clarification:

- FOR 07 02 03, Forest Compliance Planning, the Directive;
- FOR 07 02 04, Forest Compliance Planning, the Procedure;
- FOR 07 03 04, Forest Operations Inspection and Reporting, the Directive, and
- FOR 07 03 05, Forest Operations Inspection and Reporting Procedures.

2.0 Annual Monitoring Priorities

Compliance records from the Forest Operations Information Program (FOIP) have been summarized for the period of April 1, 2009 to March 31, 2010 for section 2.1 the "Summary of Non-Compliance Reports". Unlike previous annual monitoring plans, the time frame covered by this section of the plan is the actual AWS period. The AWS is usually submitted in late December or early January with only partial information on the year's compliance activities being included. Delayed approval of the forest management plan has afforded us this opportunity.

2.1 Summary of Non-Compliance Reports

Following is a summary of submitted and approved FOIP reports prepared by AFA inspectors and by Ontario Parks inspectors (during Ontario Park's Spot Checks and Audits) for the time frame identified above. Out of a total of 155 approved reports submitted, 18 non-compliance issues were identified. There were 8 non-compliant reports under Access with 8 non-compliant issues, and 10 non-compliance reports under Harvest with 10 non-compliant issues. There were 14 Renewal and Maintenance reports, all being in compliance. AFA reported 7 of the non-compliance issues and Ontario Parks reported 11.

Non-Compliance Reports by Activity under Access Reporting:

All but two of the Access non-compliance issues are open at this time. The majority of reports were approved in late 2009 and as such the actions required to resolve them have not been addressed at this time. All the issues were viewed as minor in significance.

Road Construction: (1)

One landing was found that exceeded the .2 hectare maximum size.

Aggregate (1)

An aggregate pit was found where material was excavated within 1.5 metres of the water table. The necessary rehabilitation of the site has been conducted. Ontario Parks has applied a \$500 administrative penalty as remedy to this situation. AFA has accepted responsibility and levied similar remedy to its contractor for their participation in the occurrence.

Water Crossing: (3)

There was a reported lack of erosion and sedimentation control where a skidder bridge was removed. The site had erosion mitigation materials put in place once this was reported. This issue has resulted in a Compliance Order directing AFA to conduct a sediment and erosion control workshop stressing to staff and contractors the importance of taking appropriate mitigative measures when installing and removing water crossings. The workshop has been conducted according to specified topics, participants and timelines.

One portable bridge site was determined not in compliance where the road material compacted under the weight of truck wheels and allowed water to reach the water course. There was one report for water crossing installations occurring prior to a completed fisheries review by Ontario Parks.

Area of Concern (AOC) : (3)

There are 3 incidents where roads and or landings have been constructed within identified AOC's without Ontario Parks approval.

Non-Compliance Reports by Activity under Harvest Reporting:

Four of the 10 issues have been resolved while the others remain open. As with the Access reports they were approved in late 2009 and as such the actions required to resolve them have not been addressed at this time.

Area of Concern: (6)

Five of 6 AOC issues were for operations being conducted within an AOC. Three of these occurred when AFA did not seek prior approval from Ontario Parks before work began. One instance occurred when the landing was located within an AOC in error, and one problem occurred where the 30m reserve line was too short and there were operations up to the marked line but within the AOC. The remaining issue was for debris entering the water at a skidder bridge location.

Cutting: (3)

One issue was for site disturbance exceeding the rutting guidelines following heavy rains. AFA has since made further recommendations for operators to follow in the event of soft ground conditions. The second issue was for exceeding skid trail coverage when harvesting with a feller/buncher processor combination. This issue has prompted further research to be conducted regarding the relationship between trail coverage and stand damage. A warning letter has been issued by Ontario Parks to emphasize the importance of conducting further surveys and work together on determining appropriate standards for rutting and skid trail coverage. The last cutting issue occurred when recovery of blowdown trees began before Ontario Parks was notified. This issue was closed with a "warning" and inclusion of conditions for recovering blowdown timber now appears within the AWS (and now in the 2010 FMP).

Wood Measurement: Conditions of the ATH were not followed. (1)

A load was delivered to a destination that was not on the list of approved destinations. The AFA sales agreement had been prepared but the ATH request was still being processed. The contractor was made aware that the ATH must be in place. This issue was viewed as minor and has been resolved as “self-corrected”.

2.2 Monitoring Priorities for 2010-2011

AFA responds to compliance issues on an individual basis and provides corrective action that is intended to reduce the possibility of a repeat non-compliance of a similar nature.

Continued efforts will be made by AFA management and AFA Operations Supervisors by participating in joint workshops and field visits in 2010-11 with a goal to work with Ontario Parks towards improving communications, resolve on-ground differences of interpretation, calibrate operational standards, learning and clarification of issues, and ultimately improving the compliance record.

The Joint Spring Workshop continues to be a key element in training and communication. During the 2009/10 workshop, continued open communication was stressed as being a necessary part of AFA/Ontario Parks relations and for successful resolutions to compliance issues. Specific compliance topics from the past season's issues and resolutions were reviewed. These included; wood movement and ensuring ATH's are in place, Category 14 aggregate conditions, hauling within the timing restrictions, skid trail guidelines, making sure that any harvest areas being finished from a previous year are included in the current AWS, blowdown harvest conditions, roadside piling conditions, and temporary holding yards used to forward wood. A slide show review of water crossings was also part of the day long session.

Monitoring priorities identified for 2010-11 include:

- Monitoring AOCs will remain a high priority as a result of the frequency of the past season's monitoring results. This includes ensuring proper approvals are in place prior to operations and values verifications have been approved.
- Monitoring of water crossings, especially erosion and sedimentation control will also be a high priority.
- Implementing new compliance direction and Special Operating Conditions contained within the 2010-2020 Forest Management Plan with special attention to implementing utilization strategies and reporting by-pass areas.

Other monitoring priorities are identified in the 2010-2020 FMP Strategic Compliance Plan (Supplementary Documentation 6.1.25).

2.3 Training

Training of woods workers, machine operators and truck drivers is ongoing. This training includes the communication of operational controls and work instructions by AFA Operations Supervisors. In addition, AFA's Annual Contractors Meeting is used to train the forest operations work force with respect to forestry practices in Algonquin Park. Supplementary sessions are scheduled to review new requirements pertaining to the new FMP and EMS/SOP

revisions.

The Spring Joint Workshop between AFA and Ontario Parks is planned once again to assist in calibration of compliance issues and to continue to identify solutions.

AFA will be conducting a Spring Staff Training Day to review the past season and deliver new information for the up coming year, focusing on the new FMP.

Training of tree markers is also conducted every year to identify areas for improvement and update markers on new requirements. Refresher training is being scheduled to maintain Ontario Tree Marker certification for contractors and staff.

3.0 Monitoring-Inspection-Reporting Schedule

The Algonquin Park Management Unit is divided into 220 operating units ranging in size from approximately 1,900 to 3,200 hectares. Each operating unit is divided into sub-compartments, based on topographic features, operable feasibility and Park constraints and vary in size from 200 - 800 hectares. Sub-compartments are delineated at the time of Forest Management Plan preparation and information is summarized in Annual Work Schedules and Annual Reports by these sub-compartments (ie. OPU 316-1).

Compliance Reporting Area (CRA):

The geographic basis for compliance reporting will be by operating unit or aggregate of nearby operating units and sub-compartments, referred to as Compliance Reporting Areas (CRA), unless the operation is a renewal activity. Renewal operations will be grouped together for reporting purposes. For example, all sites scheduled for a spring tree plant during the AWS period will be a CRA and be inspected as operations progress. A final inspection for the spring tree planting program will be entered into FOIP within 20 working days of the completion of the last spring planting site.

Harvest operations conducted by a given contractor normally includes activities in more than one OPU and sub-compartment at any point in time. In order to provide a meaningful compliance report for the contractor's harvest activities, OPUs and sub-compartments will be grouped appropriately into a CRA. Most of the grouped OPUs are adjacent to or within close proximity and are of similar operating conditions. (see Table 1). Although the suggested maximum size for a CRA is 500 hectares, exceeding this size is a result of including gross mapped areas that are unlikely to be fully utilized and difficult to predict for AWS mapping purposes.

3.1 Description of Forest Operations Inspection Program

Tree Marking Inspections:

AFA will continue to submit internal tree marking inspections to Ontario Parks on an ongoing basis throughout the operating season. AFA staff will email or fax their counterparts in Ontario Parks on the location of tree marking crews as changes occur.

Start-up Notification:

The Area Manager - Huntsville and Manager of Operations - Pembroke will ensure that notice is

sent to the Ministry of Natural Resources by e-mail at the start-up of harvest operations, access road projects and silviculture operations. This notice will normally be part of the weekly operations updates, before commencement of operations and will state the type of operation, the location(s) by OPU number, the contractor, the AFA Supervisor responsible for the operation and the general description and size of operation. The minimum requirement for notification is prior to or within 5 working days of the beginning of a new operation.

In-Progress Inspections:

In-progress harvest inspections are regularly conducted by AFA Operations Supervisors, as a minimum at least monthly unless only a few pieces of equipment have been active. i.e., 1-2 skidders. The requirement to submit in-progress FOIP reports has been removed and replaced with FOIP reports to identify Operational Issues, or providing Release or Suspended notification to MNR using FOIP. AFA will continue to inspect and report monthly as a requirement of their internal Environmental Management System, however monthly in-compliant reports submitted to FOIP will remain as only optional. Optional reporting of in-compliant operations will be entered and submitted using FOIP under the inspection purpose designation of "Other". Refer to Section 4.1, the flowchart Box 5 found on page 11, and FOR 07 03 05 page 9 for further direction in identifying an Operational Issue and corresponding required FOIP reporting.

If not otherwise provided with a required FOIP report, a map, displaying harvest progress will be submitted by fax or email to the Forestry Technical Specialist on a monthly-basis as they are produced for AFA internal purposes. If additional information or interim map product is required, the Forestry Technical Specialist or Ontario Parks Compliance Inspector will contact the appropriate AFA supervisor.

Table 1 (Monitoring - Inspection - Reporting Schedule) indicates the approximate timing (season) of operations and the contractor's name who is expected to carry out the operation as well as the groups of OPUs that comprise the Compliance Reporting Area. On operations where there is a history of compliance problems, or there is an increased risk in operating, such as a greater number of AOC's and difficult operating conditions, the AFA may choose to increase the frequency of inspections.

In-progress access inspections will follow the same inspection schedule and reporting requirements providing there is active road construction ongoing. Exceptions to this are when AOC water crossings are involved.

AOC Water crossings and or decommissioning of AOC water crossings will be inspected and reported under the Access report - Water Crossing Activity for all classes of road. See Section 4.0 for report scheduling.

Access reports for primary and branch road maintenance activities will be submitted annually as Completed FOIP reports.

Suspended Notification:

FOR 07 03 04 and 07 03 05 redefined the conditions of a suspended operation. The AFA will provide a FOIP report notification to MNR - Ontario Parks prior to or within 20 working days of suspending an operation or activity, using the FOIP "Other" inspection purpose designation.

A suspended operation is one where the operational activities must be delayed and are not complete and therefore cannot be assessed for some aspects of compliance. Notification will clearly describe the operation being suspended, its location, and why the operation is being suspended and when it is proposed to be restarted. Operations may not be suspended for more than the balance of the period of the current AWS and one further AWS period.

Two basic criteria for determining if an operation or activity is suspended are:

- i) Where weather conditions, markets, physical site limitations, operating conditions or equipment problems require an operation to cease for a limited time period until the situation is corrected for a period greater than 20 working days a suspended operation report is required.
- ii) Where primary harvesting activities have taken place and all merchantable wood/forest resources has been moved to roadside BUT NOT hauled. A suspended report must be completed if the haul is expected to be delayed for a period greater than 20 working days.

Release Notification:

A Release Notification may be provided by AFA to MNR-Ontario Parks for any part of an operation's Compliance Reporting Area where there are no operational issues identified and MNR may audit the portion of the operation that has been identified as being finished. The release notification will utilize the FOIP "Other" inspection purpose reporting format.

A Release Notification is required no less than 10 working days prior to the commencement of any new operation within the CRA. A Release Notification must be clear and specific about what is being released, the area being released and why the release is being provided. AFA anticipates this may be most common where site preparation operations are scheduled on a CRA recently harvested but not complete, or the wood is not yet hauled.

Completed Reports:

Completed harvest reports will be submitted and approved in FOIP within 20 working days when the CRA is completed or when the licence expires. AFA Supervisors will be encouraged to submit completed reports annually for areas they consider finished within an OPU or group of OPUs. Completed access reports will be submitted when road construction is completed for an OPU or when the licence expires.

Renewal and Tending Reports:

Renewal and tending reports will be submitted annually upon completion of the activity being reported on.

Monitoring of Other Resource Values:

Monitoring of other resource values will be conducted as prescribed by the Forest Information Manual (FIM). AFA will confirm the existence of other resource values observed as OPUs are tree marked and/or harvested. Information on new or changed values will be forwarded to Ontario Parks by AFA using the AFA's AOC Revision Management System (ARMS). Ontario Parks will verify the accuracy of these values, enter them into NRVIS and provide the digital values back to AFA, as specified in FIM.

3.2 Forest Operations Information Program (FOIP) Reporting Schedule

For the period April 1, 2010 to March 31, 2011 inspections and reporting will be carried out on the operations grouped by OPUs into CRAs as identified in Table 1. These locations are a best estimate at the time of AWS preparation and are subject to change. Ontario Parks will be notified of changes to this schedule as they occur.

Table 1 - Monitoring - Inspection - Reporting Schedule

Forest Operations	Location/Schedule of Operations (OPUs)
Access	<p>In-progress access reports for operational roads will be submitted monthly if there has been an AOC water crossing, otherwise the checklist provided under Road Construction in Harvest reports will be used.</p> <p>Access reports for road maintenance activity on primary and branch roads will be submitted annually.</p> <p>East operations- OPUs for road construction only - 134-3, 136-1, 110-2, 202-4 Primary Road Construction- Manta L. Rd. Branch Road Construction - Wilkes Rd. Frog L. Rd. Guthrie L. Rd. Rowan L. Rd Bronson Rd. Kelly's L. Rd. Number One L. Rd. Alco L. Rd. East Plover L. Rd.</p> <p>West operations - OPUs for road construction - 3541, 3545, 3751, 3752, 3423, 1421, 1423, 1426 Primary Road Construction - Billy Lake Road Branch Road Construction - Furrow L. Rd. East End L. Rd. McCraney L. Rd. West Little McCraney L. Rd. Hollow River Rd. Teal L. Rd. Koko L. Rd. Presto L. Rd.</p>

Harvest	
G. Visneskie Logging Ltd.	Spring/Summer CRA #1 - 1316, 1424
	Summer CRA #2 - 3207, 3208
	Summer CRA #3 - 3291,3, 3302, 3421, 3242, 3311,2,4
	Fall CRA #4 - 1403, 3317, 3332, 3413
	Fall CRA #5 - 3408, 3461, 3462
	Winter CRA #6 - 3382, 3395
Jessup Bros. Forest Products	Spring/Summer CRA #7 - 1273,4,6
	Fall CRA #8 - 1073, 1198
	Fall CRA #9 - 1183,6, 1431
	Winter CRA #10 - 1520,1,4
AFA Contractor - East	Summer/Fall CRA #11 - 2031, 2032
	Fall CRA#12 – 2113
	Winter CRA #13 - 2133, 2134
Makwa Community Development Corporation	Spring/Summer CRA #14 - 1097, 1098
	Fall CRA #15 – 1094
	Fall CRA #16 - 2632, 2633, 2634, 2702
	Winter CRA #17 - 2751,2,3
	Winter CRA #18 - 1082
Robert D. Robinson Logging Ltd.	Spring/Summer CRA #19 - 3782,5, 3823,6,8
	Fall CRA #20 - 3591, 3592
	Fall CRA #21 – 3694
	Winter CRA #22 - 3613, 3615
	Winter CRA #23 – 3735
AFA Contractor - West - Brule	Winter CRA #24 - 3063, 3081,7,8
Tembec Forest Products Inc. Huntsville	Spring/Fall CRA #25 - 3042,3,4
	Winter CRA #26 - 3051, 3053

Walter Dombroski & Sons Logging	Spring/Summer CRA #27 - 1574,5, 1603, 1612,3,4
	Fall CRA #28 – 1335, 1354, 1365, 1366
	Winter CRA #29 – 1344
	Winter CRA #30 - 1610, 1701, 1702
Renewal & Tending	Reports will be submitted upon completion of the activity (2) May and August
Planting	
Motor Manual Cleaning	June to August
Site Preparation	June to December
Tree Marking	May to December

Resource values present within areas scheduled for operations are identified at the stand level on the Areas Selected for Operations Maps at a scale of 1:15,840, and will be monitored as encountered during harvest and access activities.

4.0 Reporting Requirements

Reports with no operational issues are to be submitted to FOIP no more than 20 working days after completion of the operation for Access, Harvest, Renewal and Maintenance activities (Completed FOIP Report).

Access reports will be submitted within 10 working days of the completion of a AOC water crossing (i.e., does not include drainage pipes).

AFA produced FOIP reports will be submitted to and approved by either the Manager of Operations in Pembroke, or the Area Manager in Huntsville.

4.1 Operational Issue Identification

An inspector must determine whether or not an Operational Issue exists for each of the applicable checklist items under each of the applicable activities for that type of Operation. FOIP automatically assigns an “In-Compliance” status to those reports that have no issues identified.

Where an inspector sees a potential or correctable situation, they should take immediate corrective action. This will result in those situations being avoided or prevented and the operation remain fully compliant.

Where an Operational Issue has been identified, FOIP will assign Pending compliance status for the report, once submitted and approved. MNR is required to verify all Operational Issues.

The timelines described below are maximums. Effort should be made to report Operational Issues to the other party (AFA to Ontario Parks and vice versa) as soon as possible so that the

determination of appropriate corrective action can be made. The following timelines will apply:

- Where an Operational Issue has resulted in loss or damage that is not a discrete event (e.g. continues to occur such as siltation in fish habitat (HADD)) or where immediate mitigative action is required to prevent further loss or damage, **AFA must notify MNR within 24 hours**. This notification can be verbal and must be followed up with written notification within 5 working days.
- The AFA and MNR **must** provide written (e.g. e-mail) notification to the other party within 5 working days of the discovery of an Operational Issue.
- The Inspector is to submit an inspection report that contains an Operational Issue to FOIP within 10 working days of discovery of the Operational Issue.

There is no difference in timelines for submitting reports for MNR and AFA inspectors

The flowchart that is used in FOR 07 03 05 (Monitoring and Operational Issue Management Process Chart) has been included herein for context and ease of reference. The chart describes the required suite of actions to take upon discovery of an operational issue with potential to be an incidence of non-compliance and is to be used in conjunction with direction contained in procedure FOR 07 03 05 section entitled Forest Operations Compliance Monitoring and Operational Management Issue Process.

FOREST OPERATIONS COMPLIANCE MONITORING AND OPERATIONAL ISSUE MANAGEMENT PROCESS

START OF MONITORING PROCESS
Applies to both MNR and Industry

1. Certified inspector
conducts inspection of
operations & files report.

2. Has an **Operational
Issue** been identified?
Communication is Key

YES

NO

3. Report is Approved and
submitted to FOIP.

4. **Operational Issue** identified.
*Notify and discuss with Industry
and/or MNR Inspector*

5. Operational Issue is created.
Report is Approved and submitted
to FOIP.
FOIP assigns compliance status
of **Pending**.

REPORTING

6. MNR Verifies.
*May require further
communication with Industry*
Is Operational Issue valid?

NO

7. Issue **Rejected** by
MNR.
Issue is updated.
Issue closed by MNR.

YES

8. Issue **Confirmed** by
MNR.
Issue is updated.

9. Can Issue be resolved by assigning
a **Corrective Action**?
Communication with Industry required.

YES

10. Corrective Action
determined with
advice to MNR from
Industry. MNR
assigns Corrective
Action in FOIP Issue.

YES

11. Corrective
Action **completed**
as assigned.
MNR closes
Operational Issue
and sends Advisory
Note.

NO

NO

12. Corrective Action
not completed as
assigned.

ISSUE MANAGEMENT

13. Issue is updated by MNR and
FOIP changes compliance status
to **Not in Compliance**.

14. MNR determines and applies
appropriate remedy.
Remedy is entered on FOIP
report and Issue is closed.

15. FOIP assigns or
changes the compliance
status to **In Compliance**

RESULTS

COMMUNICATION IS KEY

FOIP inspections will only be carried out by those individuals that hold a valid Forest Operations Compliance Inspection Certificate.

4.2 Description of Desirable/Undesirable Site Conditions

Comments relating to the following will be encouraged: the description of the operation site, overall operation size and progress, and comments where extra effort to improve a job has occurred.

Reports will record undesirable conditions encountered that may have an impact on forest management or sustainability. Examples are, a road washout in an AOC, blowdown, forest fires, insect infestation and reportable spills to the Ministry of the Environment .

5.0 Data Requirements

Reports from the field will be entered into the FOIP program and submitted to the FOIP database. Data standards for inspection and reporting, as contained in Procedure FOR 07 03 04 and FOR 07 03 05, will apply.

5.1 Identification Data

FOIP reports will include the following data identification:

- Inspector Name
- FMU
- Licence Number
- Approval Number (mandatory on Harvest report as applicable)
- Compliance Reporting Area or OPU (name or number as per FMP or AWS)
- Location of Activity; Township, operating unit number (OPU)'s, map will include location of any non-compliance

- Operation Type; Access, Harvest, Renewal or Maintenance
- Fiscal Year of Operation
- Date of Inspection
- Method of Inspection; ground, aerial, remote sensing or other.

5.2 Compliance Assessment

Compliance inspections and resulting FOIP reports will report on the following activities under these operations:

Access Operation - road construction (includes new and maintenance), aggregate, water crossing, area of concern, fire prevention, general.

Harvest Operation - area of concern, cutting, utilization (wasteful practices), wood measurement/movement, fire prevention, road construction, general.

Renewal Operation - renewal, pesticide application, fire prevention, general.

Maintenance Operation - tending, pesticide application, fire prevention, general.