



ALBERTA  
PACIFIC  
FOREST INDUSTRIES INC

ISO Version 1  
April 4, 2007



## TABLE OF CONTENTS

<b>INTRODUCTION .....</b>	<b>1</b>
<b>GOAL.....</b>	<b>1</b>
<b>PREVENTION OBJECTIVES.....</b>	<b>1</b>
<b>PRE-SUPPRESSION OBJECTIVES.....</b>	<b>1</b>
<b>SUPPRESSION OBJECTIVES .....</b>	<b>1</b>
<b>RESOURCES .....</b>	<b>2</b>
COMPANY PERSONNEL .....	2
CONTRACTOR PERSONNEL .....	6
COMPANY EQUIPMENT.....	6
EMERGENCY RESPONSE SERVICES.....	7
CONTRACTOR EQUIPMENT.....	8
<b>PREVENTION ACTION PLAN .....</b>	<b>8</b>
FOREST PROTECTION AWARENESS PROGRAM .....	9
COMMUNITY PROTECTION PLANS.....	10
<b>PRE-SUPPRESSION ACTION PLAN.....</b>	<b>11</b>
TRAINING .....	11
TEMPORARY LOG STORAGE YARD PROTECTION PLAN.....	12
IN THE EVENT OF A FIRE IN A PIT (DISTRIBUTED TO LOADER OPERATORS) .....	12
ENGINEERING.....	13
<b>SUPPRESSION ACTION PLAN .....</b>	<b>15</b>
FIRE REPORTING.....	15
FIRE SUPPRESSION ACTION.....	16
SUPPLEMENTARY FIRE SUPPRESSION ACTION .....	16
<b>2007 OPERATIONS .....</b>	<b>16</b>
SLASH HAZARD ABATEMENT PROGRAM.....	18
PRESCRIBED BURNING PROGRAM.....	19
SPRING SCANNING PROGRAM.....	19
<b>APPENDIX 1 – SCHEDULE A WOODLANDS FIRELINE CERTIFICATION AND TRAINING RECOMMENDED .....</b>	<b>1</b>
<b>APPENDIX 1 – SCHEDULE B WOODLANDS CONTRACTOR FIRELINE CERTIFICATION LIST .....</b>	<b>2</b>
<b>APPENDIX 1 – SCHEDULE C WOODLANDS FOREST PROTECTION CONTACTS .....</b>	<b>3</b>
FOREST PROTECTION TEAM .....	3
BACKUP .....	4
<b>APPENDIX 1 – SCHEDULE D WEEKEND ON-CALL ROSTER.....</b>	<b>6</b>
<b>APPENDIX 1 – SCHEDULE E WOODLANDS OPERATIONS CONTRACTORS.....</b>	<b>7</b>
<b>APPENDIX 1 – SCHEDULE F FIRE SEASON HARVEST SCHEDULE .....</b>	<b>8</b>
<b>APPENDIX 1 – SCHEDULE G ASRD CONTACT LIST.....</b>	<b>9</b>
<b>APPENDIX 1 – SCHEDULE H FIRE SITUATION REPORT.....</b>	<b>10</b>
<b>APPENDIX 1 – SCHEDULE I ALBERTA-PACIFIC WILDFIRE REPORTING FORM.....</b>	<b>11</b>
<b>APPENDIX 1 – SCHEDULE J ALBERTA-PACIFIC FIRE EVACUATION PLAN (EXAMPLE).12</b>	<b>12</b>





**APPENDIX 1 – SCHEDULE K SHORTWOOD PIT DESIGN..... 13**  
**APPENDIX 1 – SCHEDULE L FIRE SUPPRESSION CONTRACTORS..... 14**  
**APPENDIX 1 –SCHEDULE M ESCAPED WILDFIRE DANGER TO REMOTE LOG STORAGE  
YARDS ..... 15**





## INTRODUCTION

This Fire Control Plan has been prepared by Alberta-Pacific Forest Industries Inc. in accordance with Paragraph 23(1) of the Forest and Prairie Protection Act (1986) and the Company's Fire Control Agreement with the Province of Alberta. The plan describes the Company's roles and responsibilities for the 2007 fire season. It will be presented to Alberta-Pacific's (Al-Pac) Woodlands team members, Emergency Services, Integrated Land Services team members and all primary Woodlands contractors employed by the Company prior to the 2007 fire season.

The Company's role in fire control will remain primarily preventative. Pre-suppression and suppression responsibilities are the Department of Sustainable Resource Development (ASRD) mandate, and are supported by the Company through an annual holding and protection charge. The Company's roles in pre-suppression and suppression will be limited to those areas defined in the Forest and Prairie Protection Act and Regulations, the Company's Forest Management Agreement (FMA) and the Fire Control Agreement.

## GOAL

To support ASRD in efforts to limit the area lost to fire on the FMA area.

## PREVENTION OBJECTIVES

To develop and maintain policies and procedures designed to reduce the risk of fires starting as a result of Company operations.

To maintain a public awareness program that will support the ASRD fire prevention program by providing fire prevention information to Company team members, contractors and the general public.

## PRE-SUPPRESSION OBJECTIVES

To have any Woodlands team member or contractor that may encounter a fire prepared to take appropriate action to minimize fire losses and report the fire to ASRD as soon as possible.

## SUPPRESSION OBJECTIVES

To report and take initial action on all fires discovered by Company team members and contractors.

To provide assistance as requested by ASRD to suppress fires in emergency situations or in situations that exceed their capabilities on the FMA area.



## RESOURCES

The Company has a number of resources available to support the activities identified in the plan. They are categorized by personnel and equipment.

### COMPANY PERSONNEL

The Woodlands department consists of more than 40 team members involved in all aspects of forest management. All Woodlands team members and contractors have a responsibility to participate in the forest protection program, however certain individuals will be identified to take a lead role.

The chart in Appendix 1 – Schedule A lists the company personnel with fireline certification and training required to meet academic requirements or to advance to the next level.

### Forest Protection Coordinator

Al-Pac has appointed a Forest Protection Coordinator who will be the main contact with ASRD and other stakeholders within the FMA area. During regular office hours, all fire control matters should be directed to the Forest Protection Coordinator or his/her alternate(s), see Appendix 1 – Schedule C. Specific responsibilities of the Forest Protection Coordinator include:

- Overall coordination of the forest protection programs including:
  - completion and updating of the fire control agreements and fire control plans.
  - liaison with ASRD and other stakeholders on forest protection issues.
- Development and coordination of the Landscape Fire Management Program.
- Participate in the development as required for Community Protection Plans.
- Communications with ASRD on fire weather, hazard, risk and fire activity within the FMA area.
- Ensure fire information is communicated to Company management and that Woodlands team members and contractors are informed.
- Fire cause investigations and reports for fires suspected to be caused by Al-Pac employees and contractors (Internal and ASRD as required).
- Acquisition of fire data for inventory updates.
- Represent the Company on various forest protection working groups.
- Coordinate wildland fire training for company team members and contractors.
- Participate on the Fire Duty Roster.
- Complete the “Woodlands Division – Weekly Report” on fire information and forward to the Woodlands Administrative Assistant by 0845 hours every Tuesday.



## Area Fire Coordinators

Each working area will have an Area Fire Coordinator to represent the area on all forest protection issues, see Appendix 1 – Schedule C. Specific responsibilities of the Area Fire Coordinators include:

- Overall coordination of the Forest Protection Program as it applies to the working area.
- Liaison with ASRD on escaped fires within the working area and act as Industry Liaison on ASRD overhead teams during campaign fires in the working area.
- Provide backup and assistance to the Forest Protection Coordinator.
- Participate on the Fire Duty Roster.

## Fire Guardians

For the 2007 fire season, pursuant to paragraph 4(1) of the Forest and Prairie Protection Act, all operations coordinators will be recommended for appointment as forest guardians. A list of names will be submitted to the FPD Fire Centre in Lac La Biche. Fire guardian responsibilities are to:

- Encourage and promote fire prevention.
- Assist and supervise voluntary fire suppression (at the direction of and under the supervision of a Forest Officer).
- Look for and report the existence of conditions that may cause fire danger.
- Report unauthorized fires or wildfires that come to their attention.

In the event of a ministerial closure due to extreme fire hazards, the Company's Forest Guardians would, if requested, participate in joint actions to assist in the management and control of the FMA lands. Such actions may include:

- Increased patrols and monitoring of Company roads within the FMA area.
- Public contact and assistance in increasing public awareness of current fire hazard conditions and forest closures.
- Liaison with local ASRD, communities and other stakeholders on projects within or adjacent to their areas.
- Act as patrolman and fire guardian on behalf of Al-Pac.
- Participate in fire activities as required.
- Fire equipment maintenance.
- Other assigned duties as required.

## Fire Duty

Al-Pac has designated a Forest Protection Team to coordinate all wildland fire management activities on the FMA. The team consists of the Forest Protection Coordinator and Area Fire Coordinators. A Fire Duty Roster has been developed (see Appendix 1 – Schedule C).



## Responsibilities of the Duty Person

- Be available by phone for fire reporting and requests.
- One-window contact for ASRD for communications on fire hazards, fire activities and resource requests.
- One-window contact for the Forest Industry Liaison (FIL).
- Ensure information received from the ASRD and FIL is disseminated and forwarded to the required locations:
  - Woodlands OST.
  - Executive Assistant to VP, Operations.
  - Public Affairs.
  - Forest Protection Team.
- Ensure fire information boards are kept current.
- Ensure fire hazard signs at the mill entrances are kept current.
- At HFI 4+, when there are active fires on the FMA, or as required, the Duty Person will arrange and conduct daily briefings and strategy sessions with the Woodlands Business Unit Leaders. These sessions will include:
  - Present and forecasted weather.
  - Fire status on the FMA area.
  - Summary of fire situation reports from the FIL (if activated).
  - Conference call with the FIL.
  - Updated maps (to be provided by the area planners).
  - Company personnel committed to fire action.
  - Review of personnel available if requested by the ASRD.
  - Strategy for anticipated fire action.
  - Meetings will be held at 0800 hours daily in the Woodlands Large Boardroom (Room 133) as required. The Duty Person on call will also be available to brief Senior Management and Executive if required.
- The Backup Duty Person will be available to fill in for the Duty Person in the event that he/she is unavailable.





## Forest Industry Liaison

The Forest Industry Liaison (FIL) provides overall co-ordination of Company involvement on major fire events within his/her area of interest and is an active member of the ASRD Incident Command team. The position serves as a two-way conduit for information flow from the Incident Command team to the Company and from the Company to the Incident Command team. The FIL participates in overhead strategy/update meetings and provides key input to strategy and plans development and fire line operations in matters related to Company manpower, equipment and timber resources. The position is filled at the request of the Company or ASRD for all Level one and two fires or at times of significant risk due to hazard or multi-start potential where timber resources are at risk. The FIL must meet the qualifications of the ASRD Fireline Certification requirements for FIL, and can if requested, communicate and represent other Forest Companies if the fires are in their sphere of influence.

The FIL is responsible to provide the following to the Incident Commander and the Company:

- Communicate regularly with the Duty Person and with Company personnel involved in suppression activities.
- Coordinate the provision of Company resources (manpower and equipment) as directed by the Incident Commander.
- Provide planning and strategy information to the Company.
- Complete and forward the “Fire Situation Report” to the Duty Person prior to 0700 hours daily (see Appendix 1 – Schedule H).
- Participate in overhead team function.
- Respond to Company-related inquiries regarding fire activities.
- Attend conference call with Company personnel at the 0800 briefing each morning.
- Ensure pertinent information from the Company is available to the Incident Command team (resource data, manpower, and equipment lists).
- Participate in fire reviews and audits.
- Represent and communicate with other forest industry companies if fires are in their sphere of interest.

See Appendix 1 – Schedule C for a list of designated FIL personnel.

## Public Affairs and Communication

Members of AI-Pac’s Public Affairs team will assist ASRD by providing team members to assist ASRD in dealing with media, the public and the stakeholders during campaign fire operations. This will be dependent on Company situations at the time. Team members are trained and experienced in dealing with the media and public. Public Affairs will maintain and update the “Fire Watch” on the Company intranet and will post fire advisories when necessary.





## CONTRACTOR PERSONNEL

Al-Pac utilizes a number of contractors and consultants in the various phases of its Woodlands operations. See Appendix 1 – Schedule E for a list of harvest, road construction and reclamation contractors. Schedule B lists the certified personnel on contract to Al-Pac.

Contract employees and equipment under contract to Al-Pac that are hired through Al-Pac will be paid straight time and overtime by Al-Pac at Company contract rates. Al-Pac will in turn invoice ASRD at the Company rate.

### Harvesting Contractors

The Company's harvesting contractors will have planning units scheduled periodically throughout the summer. During the fire season, changes in crew locations and schedules will be forwarded to the ASRD Fire Centre in Lac La Biche (by facsimile) as the information becomes available. Appendix 1 – Schedule F provides harvesting activities proposed for the 2007 fire season.

### Geographical Information Systems (GIS)

Al-Pac contracts Timberline Forest Inventory Consultants Ltd. to complete forest inventory, harvest planning and layout. Timberline is a forest consulting firm specializing in resource inventory and analysis forest management planning, GIS outsourcing services, and forest information systems. Al-Pac will supply AVI/FBP mapping services for large fire operations. Timberline personnel can be contacted through Al-Pac to provide mapping services on the FMA area, or Al-Pac can provide mapping services through its GIS department.

## COMPANY EQUIPMENT

### Vehicles

All Company personnel and contractor vehicles carry the following standard equipment during the fire season:

- Axe.
- Fire extinguisher.
- Long or D-handle shovel.
- Backpack with hand pump, complete with 5 gallons of water.
- Cellular telephone and/or Company radio.
- Each All Terrain Vehicle (ATV) will have a fire extinguisher.



## Wildland Fire Equipment

As per the Fire Control Agreement, the Company will locate a cache of equipment within close proximity to each operating area to ensure availability in the event of a forest fire. The equipment will be housed in a mobile trailer and will consist of the following:

### Bush Trailer

- One 300-gallon water tank
- 1 power pump; Wajax Mark III
- 1,500 feet of 1½" hose, instantaneous coupling
- 1 foam kit
- 1 power saw c/w safety kit
- 15 backpacks c/w pumps
- 5 axes
- 10 pulaski tools
- 15 shovels
- 2 pails; canvas
- 1 torch; brush burning

### Pit Trailer

- One 300-gallon water tank
- 1 power pump; Wajax Mark III
- 3,000 feet of 1½" hose, instantaneous coupling
- No foam kit
- No power saw
- 5 backpacks c/w pumps
- 5 axes
- 2 pulaski tools
- 5 shovels
- 2 pails, canvas
- No torch

The location of the fire equipment will be coordinated with activity and fire hazard conditions on the FMA. Location changes will be passed on to ASRD as they occur. There are three bush trailers fully equipped and two pit trailers fully equipped. Backup equipment will be located in the Poplar Farm Quonset near the Al-Pac millsite.

## Communications Equipment

Emergency Response Services provide 24-hour radio/telephone coverage for emergency purposes (**1-780-525-8200**). Al-Pac has a dedicated mobile radio network using satellites and VHF for supplementary communications between woodlands contractors and the millsite.

## EMERGENCY RESPONSE SERVICES

Al-Pac has 55 emergency response team members. At any given time there are 6 to 15 members on site. Members are qualified in: standard first aid; transportation of dangerous goods; H<sub>2</sub>S alive; Fire-fighter Parts 1, 2, 3, & 5; pump operator "A"; high-angle rescue; incident command; vehicle extrication; and basic wildland fire fighting. The primary purpose of Emergency Response Service is to provide protection and emergency services on site and the immediate surrounding area. The Company participates in mutual agreements with the county and local industries and the AMAP Group (Athabasca Mutual Aide Partners). Emergency Response Service is limited to a 5-kilometer radius of the mill site.



## Emergency Services Equipment

- One 1,050 gpm pumper
- 1 rapid attack pumper with 200 gallon tank
- 2 fully stocked ambulances
- One 150-gallon portable drafting bladder
- Two 2,000 to 4,000 gal/min water monitors with 5” inlets
- 2,000 litres Class A foam
- 1,000 litres AFFF foam
- 1,500 foot forestry hose, quick couple and swedges
- Assortment of wildland fire hand tools
- Personal Protective Equipment (PPE), including breathing apparatus
- Assortment of emergency equipment necessary for rescue, vehicle extrication, spill containment, lighting, etc.

## CONTRACTOR EQUIPMENT

Al-Pac contracts a number of local companies for harvesting, road construction and reclamation. These contractors have a variety of heavy equipment that could be utilized for fire suppression. All equipment meets the standards required for ASRD fire suppression contracts. For a complete list of contractors see Appendix 1 – Schedule E.

## PREVENTION ACTION PLAN

The Forest Protection Coordinator will ensure that Woodlands team members and contractors are kept aware of present fire hazard conditions as provided by ASRD and will reinforce the importance of fire prevention during all active woods operations during the fire season. Education on reporting procedures and Company responsibilities will also be provided. ASRD and Alberta-Pacific Forest Industries Inc. are participating in the Partners in Prevention Program. The program will enhance the prevention program by bringing other regional forest users into the planning, development and promotion of forest fire prevention and detection.

Al-Pac will work with ASRD and other stakeholders to reduce the risk and severity of fires to assets at risk. This will be achieved through the integration of fire science into forest management planning and community protection.

A hazard reduction program for the mill site and surrounding fields will be developed in conjunction with Site Services and Emergency Response Services. Appropriate treatment of vegetation in and around the site will be implemented prior to spring hazard development. If prescribed fire is recommended for hazard reduction, a prescribed burn plan will be developed and the burn will be completed with the co-operation of Woodlands, Site Services, Emergency



Response Services, and ASRD. The Company has a Log Yard Fire Response Plan to deal with on-site fire emergencies.

## FOREST PROTECTION AWARENESS PROGRAM

Al-Pac will participate in a Forest Protection Awareness Program to inform Company team members, contractors and visitors to the mill site of local fire hazard information and the importance of a fire prevention program.

The following specific tasks, towards instituting a program, will be undertaken during the 2007 fire season:

- The fire hazard awareness signs at the entrances to the mill site and the Wabasca Field office will be kept current.
- The daily fire hazard will be communicated to Woodlands personnel on the OCTEL telephone message system with the dispatch report.
- Pre-season information sessions will be held with Company team members and contractors to provide basic information on fire prevention.
- Basic fire presentations will be made at the annual spring contractors meetings.
- The Company will cooperate with ASRD regarding fire prevention programs. An advertising campaign on the local radio station has been undertaken as part of the Partners in Prevention Program.
- Information will be provided to the Public Affairs Division to be included with public tours of the mill site, demonstration forest, and other public education programs that are conducted by Public Affairs.
- Team members and contractors will immediately report to ASRD any fire hazards they find while conducting field operations.
- Team members and contractors will watch for hazardous trees along power lines. Locations of hazardous trees will be reported to the responsible utility company.

## All Terrain Vehicles (ATVs)

- ATVs will be cleaned and inspected daily when they are used during the fire season in order to prevent build up of debris near potential ignition points.
- During high to extreme fire hazards, “muskeg” will be cleaned off the engine and exhaust area every time the quad leaves the musket and is back on high ground.
- ATV training will include fire awareness and maintenance to prevent fire starts from ATVs.



## Work Orders

Restrictions may be invoked when the fire hazard level reaches HFI level 4 and/or there are active fires on the FMA area. Work hours may be restricted depending on the fire hazard, risk and fire activity. Restrictions will be determined by the Forest Protection Team in consultation with and approval by the Woodlands Business Unit Leaders and the Woodlands Manager.

- All Woodlands staff and contractors:
  - Restricted ATV use (confined to gravel roads or bare mineral soil).
  - Smoking restrictions (smoking only permitted inside vehicles, machinery, or on bare mineral soil).
  - Fire equipment readily available.
  - Fire watch for 30 minutes after work stoppage.
- Harvesting/Reclamation/Site Preparation/Road Construction/Loading Contractor:
  - Equipment is washed once daily.
  - All welding, grinding or other equipment repairs are to be completed on bare mineral soil and a designated fire watcher present on site.

## COMMUNITY PROTECTION PLANS

Many of the communities located on the Al-Pac FMA area are adjacent to forests that are associated with increased fuel loading, older age classes, increased forest densities and continuous fuels. Values at risk and strong probability of wind-driven fire events limit forest protection capability under high and extreme fire hazard. Uncontrolled wildfires have the potential to spread between flammable landscapes and communities where FireSmart strategies have not been applied. Efforts to make communities FireSmart may be compromised if the landscape surrounding the community is not also FireSmart.

Al-Pac will support ASRD in developing strategies to minimize wildfire threat potential and mitigate the larger high intensity fires through the development of community protection plans for communities that reside on the FMA area. As a stakeholder and a partner, Al-Pac will assist with providing information and where practical, overlay harvesting plans to meet specific objectives outlined in the plan. Where harvesting is a strategy outlined in the plan, Al-Pac will incorporate the areas into the spatial harvest sequence (SHS).

Al-Pac has endorsed the Conklin, Janvier and Calling Lake community protection plans and has issued a blanket approval for prescribed burn activities on the passive land base within the FMA area.



## PRE-SUPPRESSION ACTION PLAN

The following measures will be undertaken to ensure a level of fire action readiness:

- Inform team members and contractors of changing hazard and fire weather conditions.
- A special advisory will be provided to team members and contractors of weather warnings, such as extreme wind events and red flag days (extreme burning conditions).
- Team members will increase field presence and patrols during predicted wind events and red flag days. Special attention will be applied to high-risk areas, such as power lines.
- All contractors must maintain at the work site a supply of fire fighting equipment designated for “fire use only” in accordance with the Forest and Prairie Protection Regulations.
- Contractors must ensure their work-site employees are familiar with proper maintenance and use of the fire fighting equipment and that checks on the condition of this equipment are conducted throughout the fire season.
- Contractors must conduct monthly on-site reviews to ensure all site employees are aware of the location of water supplies.
- The Forest Protection Coordinator and Operations Coordinators will conduct inspections of contractor fire equipment readiness throughout the fire season and contractor employees will be checked for their knowledge of required procedures regarding fire discoveries and action.
- The Forest Protection Team will meet with the Fire Managers from the three ASRD Fire Centres before the fire season to discuss and confirm operations for the upcoming fire season.
- The Forest Protection Team will provide each Fire Centre with maps showing the location of inventory left in the bush.
- A Wildfire Evacuation plan will be prepared for contractors working on the FMA in the event of operations being threatened by an escaped wildfire (Appendix 1 – Schedule J).

## TRAINING

A Fireline Certification and training program has been developed and implemented for all Woodlands team members and contractors. A training and fire experience review will be completed for each individual and a list provided to ASRD for certification and inclusion in their Fireline Certification program. Training programs will be identified and provided. Upon completion of a training program, a list of successful candidates will be submitted to the Lac La Biche Fire Centre. All Woodlands team members are required to complete the Basic Wildfire Orientation Course, the Self-Study Incident Command System 100 (ICS 100), Principles of Fire Behaviour, and Safety on the Fireline interactive CD training (see Appendix I, Schedules A and B for a list of certified personnel).



In order to work on the fire line, team members and contractors must meet the ASRD physical fitness standards. The basic standard that team members will be required to achieve is the two-mile walk in 30 minutes while carrying 25 pounds. Company and contractor personnel will be tested to qualify for the ASRD physical fitness standards and a list of successful participants will be forwarded to ASRD.

## TEMPORARY LOG STORAGE YARD PROTECTION PLAN

A network of temporary log staging yards have been established in order to have a source of fibre that is accessible during the summer. These pits are located in remote areas of the FMA (their locations are specified under 2007 Operations). All temporary log yards will be assessed prior to the summer to determine suppression requirements.

Log yards that are associated with the Rail Terminals are the responsibility of Athabasca Northern Railway to protect and insure.

There are several issues that need to be considered when locating and constructing a remote log storage yard.

- Location due to the fact that the haul into and out of the pit needs to be optimized and not subjected to seasonal road bans.
- The surrounding timber and the distance to a water source.
- An existing clearing of suitable size.

## IN THE EVENT OF A FIRE IN A PIT (DISTRIBUTED TO LOADER OPERATORS)

1. Contact Health and Safety **525-8200**
2. Send any trucks in the pit, out of the pit to a safe location regardless of loading situation. Ensure access routes are not blocked.
3. Move loader(s) to Bared soil.
4. If the fire is small (size of a pickup truck) Attempt to put it out using the fire trailer on site. Do not put yourself at risk. **At full throttle, the fire pump will empty the tank in 5 minutes.**
5. If possible move any other values at risk (trailers, pick-ups etc.) to bared soil.
6. If aircraft (water bombers) arrive, clear the area.

## Pit Location

When a pit location is determined, the forest protection team will conduct an assessment of the area and develop a specific plan for each pit. The following criteria will be assessed:





### Water Source

- If a pit cannot be located near a water source, a sump should be constructed or water storage tanks brought on site during periods of high hazard.
- It is critical that the size of the water source be adequate to meet the requirements of the fire suppression system. This can be determined by taking the volume requirements of the pump and then determining the time it would be required to run. Forest Service information shows that a three-hour water supply is what is required to sustain an advance by a fire.
  - o Example:
    - ✓ Pump capacity = 600 gal/min
      - Time required = 3 hours (180 mins)
      - 108,000 gal water supply required
        - ➔ = 408 m<sup>3</sup>
        - ➔ = 408,000 l
      - The size of pit required would be 12m x 10m x 5m (600m<sup>3</sup>). This would provide a safe buffer and freeboard in the hole.

### Adjacent Area

- The adjacent area should either be cleared or have a fire resistant species such as aspen.
  - o The least desirable species to have adjacent to a staging area are continuous black spruce or pine.
  - o When a pit location is selected, a Fire Behavior Potential (FBP) map will be generated to determine the adjacent fuel types by the forest protection team. If it is necessary to locate a pit adjacent to flammable fuels, fuel modification may occur to reduce their amount and continuity.
  - o A suitable fuel break exists between the decked inventory and adjacent timber.

### Pit Access

- o It is desirable to have two access routes into the pit for use as escape routes.
- o Where possible, access should be controlled with a gate in order to minimize undesirable traffic in the pit.

### Pit Size

- o As temporary pits are often selected that make use of existing clearings such as gravel pits or other clearings, pits should be large enough to accommodate the expected volume plus area for firebreaks and roads. It is generally accepted that based on 32' logs, you can fit 8,000m<sup>3</sup>/ha, leaving adequate space for roading and fire breaks.

## ENGINEERING

There are two main concerns regarding protection from fire in remote pits: a fire originating outside the pit then entering and a fire originating inside the pit. Each different scenario has a



distinct method of prevention and control. Engineering is the most important aspect and probably has the largest impact on the prevention side.

## Prevention

- Signage:
  - No smoking signs placed at the entrance to the pit.
  - Access clearly signed on approaches from both directions to the pit for emergency vehicle access.
- Equipment:
  - All maintenance conducted on loaders, graders, or crawlers inside the pit that involves cutting or welding must be completed on bare mineral soil a minimum of 10 meters from the nearest log deck.
  - Equipment working in the pit should be kept clean at all times and outfitted with an approved spark-arresting device.
- Notifications:
  - Sustainable Resource Development will be informed of all Remote Log Storage locations via the decked inventory map, which is provided on a monthly basis to the fire centres and communicated at the spring Fire protection meetings.
- Decking plan:
  - The arrangement in which the wood is decked inside the pit is the most critical element for fire prevention and suppression.
    - ✓ Continuous decks provide a higher resistance to control than decks with regular firebreaks.
    - ✓ If a fire enters a deck, losses can be minimized by having regular breaks in between.
  - Based on these general principles, the ideal decking configuration is pictured in Appendix 1 – Schedule K.
  - Follow the “Procedure for Delivery of Short Wood Pits for Truck Deliveries.”
- Removal of decked inventory:
  - If the situation occurs where there is a wildfire in close proximity to the storage yard and the inventory may be at risk, when it is safe to do so, the removal of decked inventory inside the pit should expedited. Coordination of this should occur in conjunction with the Transportation team. Additional loaders and trucks should be committed to this haul while a risk exists.
  - The removal of the inventory in this situation should be completed in the following manner:
    - ✓ Removal of the inventory along the outer perimeter of pit.
    - ✓ Removal of the inventory nearest the threat.
      - If time does not allow for the removal of inventory in this manner, then a series of fuel breaks should be created by removing sections of the inventory intermittently throughout the pit.



## Fire Suppression Systems

- Each pit will be viewed prior to the fire season to determine a fire suppression infrastructure in the pit. Should the need occur for a suppression system, the appropriate equipment can be dispatched in a timely manner.
- Have company fire equipment on site in the pits for the duration of active operations to action and control potential starts in the pit.
- Train loader contractors in fire pump deployment and basic fire suppression.
- Hire, as required during periods of high hazard and risk, water trucks and crews to water decks on pit perimeter.

## SUPPRESSION ACTION PLAN

Upon discovering any fire, contractors and team members must immediately report the fire and take appropriate suppression action until relieved by ASRD personnel. In emergency situations that exceed the capabilities of ASRD, and at the request of ASRD, Al-Pac will provide supplemental resources to the best of their ability.

## FIRE REPORTING

All fires on the FMA or discovered by Al-Pac personnel must be reported to the Al-Pac Emergency Number at **1-780-525-8200** or by **radio to Central Dispatch**. Personnel there will immediately contact the ASRD, Lac La Biche Fire Centre or the Toll Free Fire number (**310-3473**) and the Al-Pac wildfire duty person. (See Appendix 1 – Schedule G for a list of ASRD contact numbers.)

When reporting, the following information will be provided (see Appendix 1 – Schedule I, Wildfire Reporting Form):

- Name
- Telephone or mobile number
- Location, in as much detail as possible
- Size of fire
- Fuel type fire is burning in (i.e., timber, slash grass, etc.)
- Observed weather details
- Wind direction and presence of gusts
- Time of discovery
- Distance to water supply
- Potential danger to personnel and equipment
- Action being taken
- Additional resources required



In the event the fire cause may be suspicious, note any people or vehicles in the area. ASRD may require specific measures to be taken to preserve the scene for further investigation.

Dispatch or Emergency Services personnel will then contact the Al-Pac Duty Person on call. They will also provide relay communications between ASRD and the fire site until ASRD personnel arrive and take control of the scene.

## FIRE SUPPRESSION ACTION

If there is a crew on site, the supervisor or most qualified person will ensure the safety of all personnel and will direct and supervise suppression activities until relieved by ASRD. This person will:

- ensure the rest of the crew is notified and cease operations.
- maintain contact with Emergency Services and ASRD.
- designate someone to document:
  - how and where the fire originated. (Preserve the scene if arson is suspected.)
  - time of discovery
  - time initial suppression action was taken
  - time remainder of crew arrived at the fire
  - time equipment arrived or was set up (i.e., cats, pumps, etc.)

The crew must continue fire suppression action or other assigned duties until relieved by ASRD personnel.

## SUPPLEMENTARY FIRE SUPPRESSION ACTION

The Lac La Biche Fire Centre will be the one-window contact for requesting supplementary fire suppression resources, including Company team members, contractors and equipment. Requests from all fire centres will be cleared through Lac La Biche. Lac La Biche will coordinate all requirements and contact the Duty Person on call. As fire activity increases, meetings will be held with Business Unit Leaders to identify and confirm available resources. At HFI 4+ or if there are active fires occurring on the FMA, daily briefings will be held in the Woodlands Operations Boardroom (Room 133) at 0800 hours. The Duty Person will make arrangements with Company team members and contractors and fill requests to the best of his/her ability, pending circumstances at the time. The Duty Person will be the one-window contact for Al-Pac and will handle all issues dealing with supplementary resources and information exchange.

## 2007 OPERATIONS

Al-Pac will have operations on the FMA area throughout the summer of 2007. The location of harvesting and road activities for the summer is included in the General Development Plan, Section 3.0 – Harvest Area Development (harvesting) and Section 4.2 – Construction Activities (main roads) of the 2007 Annual Operating Plan.



Appendix 1 – Schedule F provides locations of planned summer harvest operations.

The exact locations of crews will vary throughout the summer due to weather and productivity. All Company and contractor crew locations will be updated as changes occur through the fire season.

Al-Pac will stockpile wood north of Fort McMurray and Wabasca for a summer haul. Three decking yards have been established to store wood for transport by rail. Stockpile sites and rail decking yards have been assessed for fire protection. A comprehensive protection plan has been developed in conjunction with Athabasca Northern Railway to address prevention and pre-suppression measures.

The Wabasca Permanent Log storage yard has been constructed and log inventory is currently stored there for a summer haul. Two (2) drainage ponds have been constructed on site that are suitable water sources for drafting in the event of a fire.

#### Permanent Log Staging Yard

- Wabasca: E ½ -81-24-W4M (55° 59' 17"N 113° 43' 4" W)

#### Temporary Log Staging Yards

- Oilsands: SW 5-95-10-W4M (57° 12' -35" N 111°35'47" W)
- Poplar Creek: NW 4-92-10-W4M (56° 57' 19" N 111° 33' 16" W)

#### Rail Decking Yards

- Quigley: SE 5-82-06-W4M (56° 4' 31" N 110° 53' 56" W)
- Conklin: NW 13-77-8-W4M (55° 40' 31" N 111° 6' 39" W)
- Lynton: NE 13-88-8-W4M (56° 38' 7" N 111° 7' 42" W)



## SLASH HAZARD ABATEMENT PROGRAM

The following debris management strategies apply for blocks within the Planning Unit.

Methods described in the Forest and Prairie Protection Act and Regulations, and/or

- Thinly spread slash throughout the block, and/or
- Stumps processing.

For blocks not within the Firesmart Community Zones as identified by the ASRD, the retention of debris piles may also be utilized in addition to the above strategies. If the retention of debris piles or an alternate strategy which is not listed above is proposed, the strategy will be included in the table below or in a future FHP amendment for approval by the ASRD.

Slash disposal will conform to the Forest and Prairie Act and Regulations, Part III. In areas where slash reduction is required by burning, a disposal plan (including follow-up, extinguishing, and scanning reports) will be submitted. Brush and debris disposal from road construction projects will be completed in conjunction with the project itself. All winter burning locations are recorded and will be scanned and extinguished before commencement of the fire season. All related burning during the fire season would be under the authority of a Fire Permit.

### Slash Burning Specifications

**PURPOSE:** *Minimize risk associated with burning slash.*

The following guidelines need to be implemented when total disposal of slash by burning is required:

- General Provisions
  - o Piles are to be burnt within 24 months of logging.
  - o Burning locations to be documented on a burning ledger and a map for spring scanning.
  - o Piles to be scanned immediately after the fire assumed extinguished. Obtain hand scanner from ASRD.
  - o No burning between March 10 and November 1 each year. Confirm dates annually with the forest protection team.
  - o Burning locations to be noted on ASRD weekly report.
  - o ASRD Fire permit required under certain conditions.
  - o Fires need to be extinguished. Check periodically until extinguished.
  - o Piles may need to be extinguished prior to completion of burning should weather conditions change and potential for fire spreading occurs.
  - o "Smoke" signs to be erected at least 500m on either side of where burning is taking place when piles are burnt adjacent to active company roads or in blocks near a road. The appropriate department needs to be consulted and their requirements met where burning is occurring near a municipal or provincial road.



- Piling Guidelines
  - Piles at least 30 meters (100 feet) from adjacent timber.
  - Construct piles on mineral soil to minimize the potential for ground fires. Stripping not required if the duff under the piles is less than 18 inches.
  - Piles to be free of dirt and other non-combustible material to ensure a complete burn of the debris and minimize amount of re-burning. Piling is best accomplished using a brush rake.
  - Optimum pile shape is round.
  - Avoid piling at the bottom of a slope.
  - Pile size will be dictated by the slash loading in the area. Pile can be as large as a D7 cat can construct if all Safety Provisions are met.
    - ✓ This minimizes the number of piles that need to be ignited, monitored and extinguished.
  - A break every 15 meters (50 feet) is required if large windrows are to be burned.

If the piling guidelines cannot be met due to physical constraints, consult a member of the forest protection team prior to burning.

## **PRESCRIBED BURNING PROGRAM**

If site treatment by prescribed fire is decided upon, a detailed plan, as outlined in the ASRD Prescribed Burn Manual, will be submitted.

## **SPRING SCANNING PROGRAM**

All areas where slash was burnt over the winter will be scanned in late March or early April depending on availability of helicopter and equipment. Any hot spots found will be reported to ASRD and actioned by Al-Pac. DVDs of the scan will be kept by Alberta-Pacific and supplied to the Lac La Biche Fire Centre upon request. A detailed burning ledger will be maintained throughout the winter and supplied to Lac La Biche Fire Centre prior to the fire season.





## APPENDIX 1 – SCHEDULE A WOODLANDS FIRELINE CERTIFICATION AND TRAINING RECOMMENDED

NAME	CERTIFICATION	TRAINING RECOMMENDED
Baker, Wes	Maps & Records Tech	
Belland, Bernie	Trainee	Dozer Boss
Bertschi, Al	Trainee	
Brownlie, Darren	Trainee	Principles of Fire Behaviour, Safety on the Fireline
Borejko, Steve	Trainee	Principles of Fire Behaviour, Safety on the Fireline, ICS
Crawford, Roy	Trainee	Dozer Boss
Dribnenki, George	Trainee	Integrating Fire and Forest Management
Fisher, Al	U/C Dozer Boss	Dozer Boss
Flaherty, Ward	U/C Safety Officer Certified Industrial and Municipal Fire Brigade	Principles of Fire Behaviour, Safety on the Fireline
Hayward, Aaron	Dozer Boss	Safety Officer
Howe, Mike	U/C Dozer Boss	Dozer Boss
Ledieu, Kevin	U/C Sector Leader	
L'Heureux, Remi	U/C Sector Boss	Principles of Fire Behaviour, Safety on the Fireline
Kopansky, Cameron	Trainee	Dozer Boss
Polson, Ryan	Trainee	Principles of Fire Behaviour, Safety on the Fireline
Pope, Don	Trainee	
Ramsum, Ernie	U/C Dozer Boss	
Robinson, Alan	IC III	Principles of Fire Behaviour, Safety on the Fireline
Roeben, Helmut	U/C Dozer Boss	Orientation, ICS
Thompson, Rob	Operations Section Chief 2 - Certified	Principles of Fire Behaviour, Safety on the Fireline
Tuck, Evan	Type I crew member	
Winter, Axel	U/C Dozer Boss	Advanced Fire Behaviour



## APPENDIX 1 – SCHEDULE B WOODLANDS CONTRACTOR FIRELINE CERTIFICATION LIST

COMPANY	NAME	CERTIFICATION
Timberline Forest Inventory Consultants Athabasca, 780-675-8324	Kailey Baldwin	Trainee
	Maureen Bannard	Trainee
	Bryun Daniel	U/C Cat Boss
	Les Dean	Mapping
	Kerri DeVries	Mapping
	Mike Elfstedt	Mapping
	Marilynne Green	Mapping
	Laressa Gushier	Trainee
	Cary Gulka	Mapping
	Thomas Hutch	Trainee
	Hal Jackson	Trainee
	Mike Pozniak	Trainee
	Andrew West	Trainee
Greg Yoder	U/C Cat Boss	
Deanna Zelt	Mapping	
Taylor Forest Consulting Corp. Lac La Biche 780-623-3750, 780-525-8337, 780-623-0332	Glen Zatorski	Dozer Boss
KR Enterprises Ltd. Lac La Biche, 780-623-4420, cell 404-3183	Ken Staples	U/C Safety Officer
Frontier Resource Services Ltd. Grande Prairie 780-539-7592	Emery Gorman Russ McRae	Trainee
Road Tech Safety Services Boyle 780-212-0962	Don Clark	U/C Dozer Boss
964886 Alberta Ltd. Wabasca 780-891-0798	Richard Auger	U/C Dozer Boss







## GIS and Mapping

### Al-Pac

#### Chris Kemble

**Office:** 525-8419                      **Mobile:** 689-1014  
**Home:** 675-9566                      **Fax:** 525-8093  
**E-mail:** chris.kemble@alpac.ca

#### Burck Hantel

**Office:** 525-8345  
**Home:** 623-3946                      **Fax:** 525-8093  
**E-mail:** burck.hantel@alpac.ca

#### Angie Smith

**Office:** 525-8482                      **Mobile:** 232-2441  
**Home:** 675-1184                      **Fax:** 525-8093  
**E-mail:** angie.smith@alpac.ca

### Timberline

#### Pat Gallupe

**Office:** 675-8342                      **Mobile:** 689-8474  
**Home:** 675-9695  
**E-mail:** Pdg@timberline.ca

#### Cary Gulka

**Office:** 675-8342                      **Mobile:** 689-0944  
**Home:** 675-9423  
**E-mail:** h@timberline.ca



## APPENDIX 1 – SCHEDULE D WEEKEND ON-CALL ROSTER

DATES ON CALL	ASSIGNED TO:	WORK #	PAGER #	HOME#	MOBILE	SAT PHONE
March 30,31 & 1	Al Bertschi	525-8119	5142	623-9382	213-4856	
April 6,7,8 & 9	Kim Rymer	525-8051	5142	675-2969	213-4099	
April 13, 14 & 15	Al Fisher	525-8046	5142	675-5078	689-7324 213-4519	600-701-0274
April 20,21 & 22	Axel Winter	525-8285	5142	675-4385	689-6715 213-0105	600-701-0263
April 27,28 & 29	Allan Robinson	525-8061	5142	675-3106	689-1651 213-0054	
May 4,5 & 6	Steve Borejko	525-8174	5142	675-5024	213-0118	
May 11,12 & 13	Kevin Ledieu	525-8431	5142	675-1934	689-6706 213-0800	600-701-0275
May 18,19, 20 & 21	Rob Thompson	525-8474	5142	675-3467	213-0156	
May 25,26 & 27	Helmut Roeben	525-8182	5142	675-5142	689-8630	600-701-0289
June 1,2 & 3	Keith Windeler	525-8055	5142	675-5894	213-0028	
June 8,9 & 10	George Dribnenki	525-8147	5142	623-3931	689-6696	
June 15,16 & 17	Aaron Hayward	525-8342	5142	623-3748	213-4853	
June 22,23 & 24	Dave Zelt	525-8049	5142	675-4877	689-6370	
June 29,30, 1 & 2	Mark Spafford	525-8160	5142	675-5357	689-9332	
July 6,7,& 8	Joanna Ramsum	525-8357	5142	525-3516	689-7344	
July 13,14 & 15	Evan Tuck	525-8272	5142	675-5069	213-4601	600-701-0279
July 20,21 & 22	John Ellison	525-8368	5142	675-7004	213-4098	
July 27,28 & 29	Michelle Sulz	525-8027	5142	689-4487	689-6225	
August 3,4, 5 & 6	Elston Dzus	525-8393	5142	675-3680	689-8708	
August 10,11 & 12	Randy McNamara	525-8059	5142	689-2096	213-4843	
August 17,18 & 19	Al Fisher	525-8046	5142	675-5078	689-7324 213-4519	600-701-0274
August 24,25 & 26	Conn Brown	525-8042	5142		689-6429	
August 31,1, 2 & 3	Dave Fox	525-8050	5142	623-7139	689-6375	
September 7,8 & 9	Don Pope	525-8047	5142	675-5128	689-7266	
September 14,15 & 16	Keith Windeler	525-8055	5142	675-5894	213-0028	
September 21,22 & 23	Rob Thompson	525-8474	5142	675-3467	213-0156	
September 28,29 & 30	Ward Flaherty	525-8485	5054	623-2192	689-6547	600-701-0272
October 5,6,7 & 8	Roger Butson	525-8154	5142	675-1947	689-7955	600-701-0268
October 12,13 & 14	Bob Nichol	525-8058	5142	675-3770	213-0053	
October 19,20 & 21	Darren Brownlie	525-8173	5142	675-1841	689-0510 213-4489	
October 26,27 & 28	Allan Robinson	525-8061	5142	675-3106	689-1651 213-0054	



## APPENDIX 1 – SCHEDULE E WOODLANDS OPERATIONS CONTRACTORS

### GENERAL CONTRACTORS

**Taylor Forest Consulting Corp., (Scaling)**

Lac La Biche, Alberta (780-623-3750)

**Frontier Resources Services Ltd., (Main Road Construction and Supervision)**

Grande Prairie, Alberta (780-539-7592)

**Ever Green Land Use Consultants, Land Use Administration**

Calgary, Alberta (403-237-6576)

### HARVEST AND RECLAMATION CONTRACTORS

**Bigstone Forestry Inc.**

Wabasca, Alberta (780-891-0699)

**Shera Forestry Ltd.**

Plamondon, Alberta (780-623-0170)

**Aspen Forest Management**

Plamondon, Alberta (780-689-8844)

**J.C. Cats Ltd.**

Boyle, Alberta (780-689-2555)

**San Forestry Ltd.**

Plamondon, Alberta (780-798-2016)

**Lien Logging Ltd.**

Boyle, Alberta (780-689-3347)

**Denis Forestree Ltd.**

Athabasca (780-805-1225)

**Strid Contracting Ltd.**

Smith, Alberta (780-829-2266)

**714202 Alberta Ltd. Lovlogging**

Plamondon, Alberta (780-789-2192)

**T.D.N. Contracting Ltd.**

Janvier, Alberta (780-559-2260)

**Norden Contracting Ltd.**

Boyle, Alberta (780-689-7706)

**Tchir Forest Products Ltd.**

Lac La Biche, Alberta, (780-623-4581)

**JHL Ltd.**

Janvier Alberta, (780-891-0337)





## APPENDIX 1 – SCHEDULE F FIRE SEASON HARVEST SCHEDULE

LOCATION	DATE	CONTRACTOR
75234	June 1-Oct 31	Bigstone Forestry
69124	June 1-Oct 31	JHL
78084	June 1-Oct 31	San Forestry
70144	June 1-Oct 31	Shera Forestry
68254	June 1-Oct 31	Strid Contracting
71134	June 1-Oct 31	Tchir Forest Products
68254	October 1-31	Denis Forestree
58254	June 1-Oct 31	J&D Logging
69124	June 1-Oct 31	Lov Logging
95094	June 1-July 31	No Logger Assigned



## APPENDIX 1 – SCHEDULE G ASRD CONTACT LIST

	LOCATION	PHONE	CELL	FAX
<b>Forest Protection Area Fire Centres</b>	Lac La Biche Duty Officer	780-623-5388	780-689-7646	780-623-2570
	Fort McMurray Duty Officer	780-743-7128	780-743-7244	780-743-2559
	Slave Lake Duty Officer	780-849-7429	780-849-1247	780-849-6826
<b>Provincial Fire Centre</b>	Edmonton	780-427-6807	—	780-422-7230
<b>Provincial Fire Number</b>	Edmonton	310-3473 (Toll Free)	—	





**APPENDIX 1 – SCHEDULE I  
ALBERTA-PACIFIC WILDFIRE REPORTING FORM**

<b>LAC LA BICHE FIRE CENTER</b>		
<b>PHONE: 623-5388, CELL: 689-7646 OR 310-3473</b>		
Name: _____ Phone/Cell: _____		
Location: _____		
Estimate Size of Fire: _____		
Type:	<input type="radio"/> Grass	<input type="radio"/> Slash
	<input type="radio"/> Spruce	<input type="radio"/> Aspen
Smoke Color:	<input type="radio"/> Black	<input type="radio"/> Grey
	<input type="radio"/> White	<input type="radio"/> Brown
Estimate Wind Direction and Speed: _____		Wind Gusts: <input type="radio"/> Yes <input type="radio"/> No
Time of Discovery:	_____ <input type="radio"/> AM	_____ <input type="radio"/> PM
Distance to Water Supply: _____		
Potential Danger to Personnel and Equipment: _____		<input type="radio"/> None
Action Presently Being Taken: _____		
Resources on Site:	<input type="radio"/> Water Pump	<input type="radio"/> Bulldozer
	<input type="radio"/> Hand Tools	
People:	_____	<input type="radio"/> No Resources
Is the Smoke Column Visible Above the Trees? <input type="radio"/> Yes <input type="radio"/> No		
Resources Required: _____		
Has Forestry Been Notified?	<input type="radio"/> Yes <input type="radio"/> No	If Yes, at what time? _____
Other: _____		
Received Call (time): _____		
<input type="radio"/> Phoned Lac La Biche	<input type="radio"/> Called Fire Coordinator	<input type="radio"/> Called Scale House
Initials: _____		





## APPENDIX 1 – SCHEDULE J ALBERTA-PACIFIC FIRE EVACUATION PLAN (EXAMPLE)



### MEMORANDUM

To: San Forestry

cc: Forest Protection Team      Greg Safar      Bruce Cartwright / ASRD

From: Axel Winter      Date:

Subject: **WILDFIRE EVACUATION PLAN PLANNING UNIT 97-09 4**

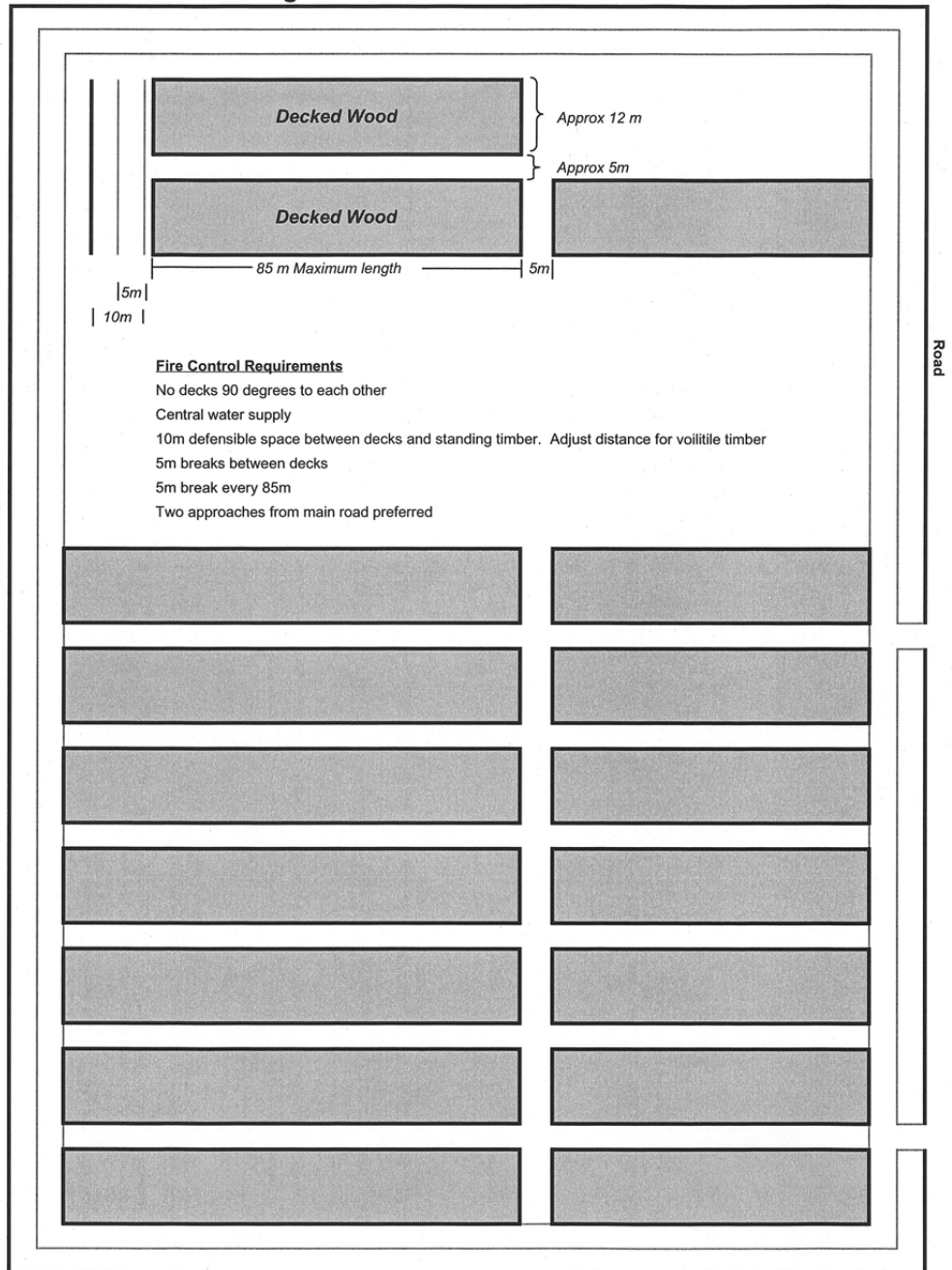
In the event of operations being threatened by an escaped wildfire in planning unit 97-09 4, the following evacuation plan will be implemented;

1. Department of Sustainable Resource Development (ASRD) in Fort McMurray will contact [REDACTED] via cell phone ([REDACTED]) or [REDACTED] via cell (780-623-0824) if the camp or operations require evacuation. In the event that these two people cannot be contacted, ARSD is to contact the Alberta-Pacific Fire Duty Person for that week (780-525-8200). ASRD will advise when the fire front is expected to reach operations.
2. Tracked equipment/ skidders/ fuel tanks will be moved to an existing cut block located in the SW 12- 97-10 W4M. An appropriate cat guard will be constructed around the equipment.
3. A head count is to be completed by the foreman ([REDACTED]) as staff and equipment leave the area. A second head count is to take place at the logging camp located in SE 4 97-10-W4M.
4. Evacuation is via the Bitmount Tower Rd, west to Highway 63.
5. Light trucks are to be in front of tracked equipment to allow rapid evacuation should the fire front threaten to over run.
6. Camp propane tank is to be shut off as well as the camp generator. All doors are to be closed and window shutters put in place.
7. Contact Fort McMurray Wildfire Center that the camp has been evacuated and all personnel accounted for.
8. Contact Axel Winter (Office: 780-525-8285, Cell: 780-689-6715, Home: [REDACTED]) or the Al-Pac Fire Duty person at 525-8200.



## APPENDIX 1 – SCHEDULE K SHORTWOOD PIT DESIGN

### Shortwood Pit Design





## APPENDIX 1 – SCHEDULE L FIRE SUPPRESSION CONTRACTORS

COMPANY	LOCATION	SERVICE	CONTACT PERSON	PHONE No.
Safety Boss	Red Deer	Fire trucks, crash trucks, aerial platforms, pumps	Dale Hornung	1-800-882-4967
Chedkor Contracting	Lac La Biche	100 bbl tandem water truck, 36,000 l tanker, 6" trash pump, lowbed, D58 bulldozer	Brian Chwedoruk	780-689-7170 780-623-2407
JLG Ball Enterprises	Boyle	80 bbl vacuum trucks	Lisa Ball	780-689-7678
TUC's Contracting	Fort McMurray	100 bbl water trucks	Dan Smith	780-598-2293
Eagle Hydo Vac	Fort McMurray	Water trucks	Brian Bridge	780-715-0990
Tchir Forest Products	Lac La Biche	Lowbedding	Rocky Tchir	780-623-8907
Shamrock Heavy Hauling	Wabasca	Lowbedding	Ed Deelm	780-891-0456
JC Cats	Boyle	D-7, D-6, hoes	Jerry Chamzuk	780-689-8701
Athabasca River Meadows	Athabasca	D5 Cat, Lowbedding, Bobcat	Ron Byrtus	780-689-6390 780-675-4946
Eric Auger & Sons Contracting	Wabasca	100 bbl water truck, skidder with tank	John or Dennis Auger	Office 891-3751 John Cell 891-0003 Dennis Cell 891-0078
L. Robert Enterprises	Fort McMurray	400 bbl storage tanks	Rolly Shaw	Office 780-791-0118 Cell 780-598-1368
Central Water & Equipment Services	Red Deer	Portable pumps, pipe sprinklers	Perry Jofin	Office 403-343-9125 Cell 403-358-6282
Rapid Fire	Red Deer	Sprinklers	Troy O'Conner	Office 403-341-3000 Cell 403-357-7821





## APPENDIX 1 –SCHEDULE M ESCAPED WILDFIRE DANGER TO REMOTE LOG STORAGE YARDS



ALBERTA  
PACIFIC  
FOREST INDUSTRIES INC

### MEMORANDUM

To: Fire Duty Person

cc:

From: Forest Protection Team Date: April 4, 2007

Subject: **ESCAPED WILDFIRE DANGER TO REMOTE LOG STORAGE YARDS**

During times of extreme and high fire hazard, the Forest Protection Team will generally have someone to assist you or to call should the pit(s) become threatened during a weekend. For some reason, you are unable to contact a member of the team after hours (team members are listed in the Fire Control Plan ), and a fire threatens one of our remote storage yards ( not rail yards ) the attached matrix will assist you making the correct call in the mobilization of resources. The Fire Suppression Contractors listed in Appendix 1-Schedule B have blanket orders with Alberta Pacific.

If you mobilize any of these resources, you will need an ALPAC rep on site ( Woodlands Consultants are acceptable ). Contractors will need the following information:

- pit location and directions \*
- nearest water source\*
- on site contact person & phone number
- staging area
- linear distance of decks ( for sprinklers )\*

The items marked with “ \* ” can be found on the pit maps which are updated monthly and can be found in the accordion folder given to you along with the on call binder.

Note that you must keep the Incident Commander as well as the Woodlands Manager informed of any decision to mobilize resources.

# FIRE NEAR REMOTE LOG STORAGE YARD PROCEDURES

Item #	Hazard Rating	Distance from Pit(s)	Wind/ Fire Direction	Action	Communications
1	Extreme	< .5 KM	Towards Pit	Increase fire guards. Mobilize sprinkler systems contractor, .Mobilize water delivery, & storage tanks.	ALPAC Staff on site
1	Extreme	.6> 2.5 KM	Towards Pit	Increase fire guards. Mobilize sprinkler systems contractor, .Mobilize water delivery, & storage tanks.	ALPAC Staff on site
1	Extreme	2.6>5.0 KM	Towards Pit	Increase fire guards. Mobilize sprinkler systems contractor, .Mobilize water delivery, & storage tanks.	ALPAC Staff on site
1	Extreme	5.0> 7.5 KM	Towards Pit	Stand by cats for fire guards. Stand by sprinklers. Stand by water delivery & storage tanks contractors.	ALPAC Staff on site
1	Extreme	> 7.6 KM	Towards Pit	Stand by cats for fire guards. Stand by sprinklers. Stand by water delivery & storage tanks contractors.	ALPAC Staff on site
1	Extreme	< .5 KM	Away From Pit	Increase fire guards. Mobilize sprinkler systems contractor, .Mobilize water delivery, & storage tanks.	ALPAC Staff on site
1	Extreme	.6> 2.5 KM	Away From Pit	Increase fire guards. Mobilize sprinkler systems contractor, .Mobilize water delivery, & storage tanks.	ALPAC Staff on site
2	Extreme	2.6>5.0 KM	Away From Pit	Stand by sprinkler systems, water trucks, & storage tanks.	SRD Liason via phone
2	Extreme	5.0> 7.5 KM	Away From Pit	Stand by sprinkler systems, water trucks, & storage tanks.	SRD Liason via phone
2	Extreme	> 7.6 KM	Away From Pit	Stand by sprinkler systems, water trucks, & storage tanks	SRD Liason via phone
1	High	< .5 KM	Towards Pit	Increase fire guards. Mobilize sprinkler systems contractor, . Stand by water delivery, & storage tanks.	ALPAC Staff on site
1	High	.6> 2.5 KM	Towards Pit	Increase fire guards. Mobilize sprinkler systems contractor, . Stand by water delivery, & storage tanks.	ALPAC Staff on site
2	High	2.6>5.0 KM	Towards Pit	Stand by cats for fire guards. Stand by sprinklers. Stand by water delivery & storage tanks contractors	ALPAC Staff on site
2	High	5.0> 7.5 KM	Towards Pit	Inform by cats for fire guards. Inform sprinklers. Inform water delivery & storage tanks contractors	ALPAC Staff on site
2	High	> 7.6 KM	Towards Pit	Inform by cats for fire guards. Inform sprinklers. Inform water delivery & storage tanks contractors	SRD Liason via phone
3	High	< .5 KM	Away From Pit	Stand by cats for fire guards. Stand by sprinklers. Stand by water delivery & storage tanks contractors	SRD Liason via phone
3	High	.6> 2.5 KM	Away From Pit	Stand by cats for fire guards. Stand by sprinklers. Stand by water delivery & storage tanks contractors	SRD Liason via phone
3	High	2.6>5.0 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	High	5.0> 7.5 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	High	> 7.6 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Medium	< .5 KM	Towards Pit	Stand by cats for fire guards. Stand by sprinklers. Stand by water delivery & storage tanks contractors	ALPAC Staff on site
3	Medium	.6> 2.5 KM	Towards Pit	Inform cats for fire guards. Inform sprinklers. Inform water delivery & storage tanks contractors	ALPAC Staff on site
3	Medium	2.6>5.0 KM	Towards Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Medium	5.0> 7.5 KM	Towards Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Medium	> 7.6 KM	Towards Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Medium	< .5 KM	Away From Pit	Monitor with ALPAC personal on site	ALPAC Staff on site
3	Medium	.6> 2.5 KM	Away From Pit	Monitor with ALPAC personal on site	ALPAC Staff on site
3	Medium	2.6>5.0 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Medium	5.0> 7.5 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Medium	> 7.6 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Low	< .5 KM	Towards Pit	Monitor with ALPAC personal on site	ALPAC Staff on site
3	Low	.6> 2.5 KM	Towards Pit	Monitor with ALPAC personal on site	SRD Liason via phone
3	Low	2.6>5.0 KM	Towards Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Low	5.0> 7.5 KM	Towards Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Low	> 7.6 KM	Towards Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Low	< .5 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Low	.6> 2.5 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Low	2.6>5.0 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Low	5.0> 7.5 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
3	Low	> 7.6 KM	Away From Pit	Monitor with SRD Industry liason/ no ALPAC people required on site	SRD Liason via phone
				Stand By Equipment to be mobilized within 4 hours of call	
				Inform; Heads up, no action required by contractor, have the contractor to potentially be called out within 12 hours.	
				<b>ESCAPED FIRE IN THE PIT. DISCUSS WITH INCIDENT COMMANDER &amp; WOODLANDS MANAGER.</b>	
				<b>MOBILIZE SAFETY BOSS and/or LIFEVIEW and CENTRAL WATER SERVICES.</b>	
				Items 1 and 2 are to be implemented after discussion with the incident commander and senior Al-Pac management	
				Items 3 decision can be made with the on-call staff	
				SRD Industry Liason staff will contact the Al-Pac on call person regarding information on escaped wildfires	



