

	ACACIA FOREST INDUSTRIES SDN BHD STANDARD OPERATING PROCEDURE OPERATIONS	Document No.: AFI/SUPP/04
		Date Issued : 01/03/2012
		Last Update: 09/05/2017
Section: HARVESTING	Work Scope Area: COMPARTMENT AREA	Revision No: 2
Activity: SKID TRAIL ESTABLISHMENT BY BULLDOZER		Responsible Person: Head of Operations
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STANDARD OPERATING PROCEDURE

1.0 TITLE **Skid trail establishment by bulldozer**

2.0 OBJECTIVE

- To enable truck access to plantation logs stored in field, which cannot be reached by the existing road network push earth skid trails by front blade of bulldozer.

3.0 PERSON IN CHARGE

- This procedure applies to the bulldozer operator, pushing skid trails to stock piled plantation logs to prepare for truck loading.

4.0 JUSTIFICATION AND SCOPE

All plantation logs are cross cut into main saw log and chip log sections. Saw logs and chip logs are stock piled on different piles in field. Certain stacks are not accessible by the existing road network, in such cases short access roads need to be pushed for trucks to be loaded.

- To ensure that there is nobody near the bulldozer before starting.
- To ensure that all controls and gauges respond correctly.
- To ensure that when hooking on or parking the blade must be lowered.
- To ensure no unsupervised personnel climb on or sit on driver seat while the unit is operating or idling.
- To ensure and know the limitations and capabilities of the bulldozer.
- To ensure to keep adequate distance from the edge of cliffs, overhangs and slide area.
- To ensure to keep the machine under control and do not extend it beyond the recommended capacity.
- Make sure other people are aware of the bulldozer approaching.
- To ensure to always use clear lines of communication with other members of the work team.
- To ensure that soil movement is kept to a minimum.
- No skid trails in steep terrain.
- To ensure soil is not pushed into protected areas such as HCVF sites, river buffer, mangrove forest, streams, lakes, swamps, grave yards or other protected/ unique sites.
- To ensure no standing plantation tree stock is pushed or damaged.

PREPARED BY:	APPROVED BY:
HARVESTING MANAGER	SUPPLY CHAIN MANAGER

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5.0 PROCEDURE

- Safety
 - Mandatory
 - Safety Helmet
 - Safety Shoes
 - High visibility vest(If not wearing company T-shirt green/orange)
 - Optional
 - Ear Plug/Muff

- Method/Operation guidelines

START UP

- Know your machine.
- Know how to operate all equipment on your machine.
- Know the purpose of all controls, gauge and Indicators.
- Sit in the driver seat and adjust the seat for proper driver control.
- Ensure that there is nobody under, on or near the machine before starting.
- Move all the controls to the hold position before starting.
- Ensure that all controls and gauges respond correctly.
- Final visual inspection that the area is clear of personnel.
- Place the throttle to start/idle.
- Allow the engine to idle – listen for any unusual sounds or vibrations.
- The operator must ensure that while carrying out any oil check on the tractor, it is parked level, stable and the engine is not running.

PRE- OPERATION

- Determine best skid trail alignment for safe and efficient work, with a minimum of soil movement.
- Prefer flat or less steep terrain.
- Identify danger to the tractor, “no-go” and other problem areas.
- All hazardous or sensitive areas are to be identified and marked.
- Identify steep areas or cliffs.
- Adjust bulldozer front blade with suitable angle according to slope degree and needed width of skid trail, not more than 4 m.

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Bulldozer Operation

- Bulldozer front blade ready adjusted to slope degree and needed width of skid trail.
- Lower front blade and use appropriate gear.
- Push soil in front, lift blade slightly up if load becomes too heavy to push, in order to reduce weight to be moved.
- In hilly terrain push soil to the downhill site.
- Move bulldozer backwards and push again.
- Fill up all depressions to create a smooth surface.
- Avoid steeper angles to contour lines.
- Assure suitable width, not more than 4 m.
- Unnecessary or bigger soil movements must be avoided.

SHUT DOWN

- Park on a level ground.
- Lower all attachments to the ground, ensure that they are stable.
- Ensure all controls are in a neutral position.
- Check all gauges and instrumentation for correct readings.
- Check all instrumentation ensuring correctly shut down.
- The tractor must always be parked in a level and secure area.
- Park brake must be applied and the blade lowered to the ground.

6.0 RELATED DOCUMENTATION

- Nil

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