

# NES Plantation Forestry Information Sheet – Checklist

## Earthworks and Harvesting Management Plan



Management plans are required for:

- Earthworks that involve more than 500m<sup>2</sup> of soil disturbance in any 3-month period; and
- All harvesting activities.

### OFFICE USE ONLY

Reference

Processing officer

Date received

### 1. Type of management plan

#### What type of management plan is being applied for?

- Yes  No Forestry Earthworks Management Plan (Regulation 27)
- Yes  No Harvest Plan (Regulation 66)
- Yes  No A combined Forestry Earthworks Management Plan and Harvest Plan

### 2. Person and property details (complete for all types of management plans)

- Yes  N/A The plan date
- Yes  N/A The name of and contact details for the land owner or their agent
- Yes  N/A The name of and contact details for the forest owner (if different)
- Yes  N/A The name of and contact details for the harvest and earthworks managers (if different)
- Yes  N/A The contact details for service—postal address, email, contact phone(s)
- Yes  N/A The region and district in which the forest is located
- Yes  N/A The name of the road used for forest access and rural number of entry point
- Yes  N/A The forest name or property location identifier
- Yes  N/A The cadastral and map references, or GIS polygon reference

### 3. Map

#### The plan must include a map or maps that include and show

- Yes  N/A Scale not less than 1:10 000
- Yes  N/A The computer freehold register, the date, and a north arrow
- Yes  N/A The harvest area boundary
- Yes  N/A The external property boundaries within 200 m of the harvest and earthworks area
- Yes  N/A The contour lines at less than or equal to 20 m intervals
- Yes  N/A The erosion susceptibility classification (NESPF overlay map)
- Yes  N/A The proposed harvesting method (hauler or ground-base, or other) and arrows showing extraction directions to the skid or landing
- Yes  N/A The proposed forestry road locations, and landing or skid locations
- Yes  N/A Any on-site risk areas as identified under Schedule 3, clause (3) – see section 4.3
- Yes  N/A The boundaries of the plantation forest

## 4. Water and on-site areas

### 4.1 Water on site

The plan must identify the location of and mark on a map:

- Yes  N/A Wetlands larger than 0.25 ha and lakes larger than 0.25 ha
- Yes  N/A Rivers to their perennial extent
- Yes  N/A Rivers where the bankfull channel width is 3 m or more
- Yes  N/A Any outstanding freshwater body or water body subject to a water conservation order
- Yes  N/A The coastal marine area
- Yes  N/A Any setbacks

### 4.2 Downstream risks

The plan must:

- Yes  N/A For sites with a perennial river, identify the risks downstream of the operation, should slash or sediment be mobilised, to any:
  - Yes  N/A (i) public roads and other infrastructure
  - Yes  N/A (ii) downstream properties and show the location of dwellings
  - Yes  N/A (iii) downstream river, lake, estuary or sea
- Yes  N/A Identify any registered drinking water supply, including drinking water sources for more than 25 people within 1 km downstream of the activity

### 4.3 On-site risks

- Yes  N/A The plan must identify the location of and mark on a map any features that are to be protected during the operation, including significant natural areas

### 4.4 Forestry infrastructure

The plan must identify the location of and mark on a map any:

- Yes  N/A Existing roads, tracks, landings, firebreaks, and river crossings:
- Yes  N/A Proposed new roads, tracks, landings, firebreaks, river crossings (permanent and temporary), and fuel storage and refuelling sites:
- Yes  N/A Proposed end-haul deposit sites
- Yes  N/A Slash storage areas

## 5. Forestry Earthworks Management Plan (do not complete for other management plans)

### The plan must:

- Yes  N/A Identify the area to which the plan applies:
- Yes  N/A Describe the scope of work covered by the earthworks and whether it is for maintenance, upgrade, road widening, realignment, or new works
- Yes  N/A Describe clearly the management practices that will be used to avoid, remedy, or mitigate risks due to forestry earthworks that have been identified on the map, including the proposed erosion and sediment control measures to be used and the situations in which they will be used, in sufficient detail to enable site audit of the management practices to be carried out:

### Include the following for earthworks management:

- Yes  N/A (i) water run-off control measures
- Yes  N/A (ii) sediment control measures during construction and during harvest
- Yes  N/A (iii) the method used to manage excess fill for large-scale cut and fill operations, and if end haul, the proposed disposal location
- Yes  N/A (iv) methods used to stabilise batters, side cast, and cut and fill
- Yes  N/A (v) post-harvest remedial work (timing and methods).

## 6. Harvest Plan (do not complete for other management plans)

### The plan must include:

- Yes  N/A The harvesting method, whether ground-based or hauler, or any other method, and the hauler system type
- Yes  N/A The planned timing, duration, intensity, and any proposed staging of the harvest
- Yes  N/A The management practices that will be used to avoid, remedy, or mitigate risks due to forest harvesting on features identified under clause 3(3) [see section 3.3.3 – onsite risks] and mapped

### The slash management and procedures for:

- Yes  N/A (i) avoiding instability of slash at landing sites
- Yes  N/A (ii) keeping slash away from high-risk areas (no-slash zones):
- Yes  N/A (iii) slash management in the vicinity of waterways, including identifying any areas where it would be unsafe or impractical to retrieve slash from water bodies
- Yes  N/A (iv) measures to ensure that slash is not mobilised in heavy rain events (5% AEP or greater) and contingency measures for such movement, including requirements for slash removal from streams and use of slash traps:
- Yes  N/A (v) post-harvest remedial work (timing and methods).

## 6. Management practices for maintenance and monitoring

### The plan must include:

- Yes  N/A The proposed routine maintenance and monitoring processes

### The proposed heavy rainfall contingency and response measures, including:

- Yes  N/A (i) specific triggers or thresholds for action; and
- Yes  N/A (ii) post-event monitoring and remedial works
- Yes  N/A The post-harvest monitoring of residual risks, and the corrective action processes