

# NATIONAL ENVIRONMENTAL STANDARDS – PLANTATION FORESTRY

## SCHEDULE 4 – CHECKLIST

### QUARRY EROSION & SEDIMENT MANAGEMENT PLAN SPECIFICATIONS

<b>QUARRY CHECKLIST NES-PF</b>	<b>Applicable</b>	<b>Detail / Plan reference (where applicable)</b>
<b>1. Person and property details</b>		
The person and property details are –		
(a) The plan date	<input type="checkbox"/>	
(b) The name of, and contact details for the landowner or their agent	<input type="checkbox"/>	
(c) The name of, and contact details for the forest owner (if different)	<input type="checkbox"/>	
(d) The name of, and contact details for the quarry manager (if different)	<input type="checkbox"/>	
(e) The contact details for service – postal address, email, contact phone(s)	<input type="checkbox"/>	
(f) The region and district in which the quarry is located	<input type="checkbox"/>	
(g) The name of the road used for quarry access and rural number of entry point	<input type="checkbox"/>	
(h) The property location identifier and the legal title shown on the computer register	<input type="checkbox"/>	
(i) The cadastral and map references, or GIS polygon reference.	<input type="checkbox"/>	
<b>2. Map</b>		
The plan must include a map that includes –		
(a) A 1:1 000 – 1:5 000 scale	<input type="checkbox"/>	
(b) The title, the date and a north arrow	<input type="checkbox"/>	
(c) The external property legal boundaries	<input type="checkbox"/>	
(d) The contour lines at less than or equal to 20 m intervals	<input type="checkbox"/>	
(e) The erosion susceptibility classification (NES-PF overlay map)	<input type="checkbox"/>	
(f) The proposed quarry layout	<input type="checkbox"/>	
(g) Any sight lines to dwellings on adjacent properties within 2 km of the quarry	<input type="checkbox"/>	
(h) The boundaries of the plantation forest.	<input type="checkbox"/>	
<b>3. Water and on-site risk areas</b>		
The plan must identify the location of (and mark on a map) –		
(a) Wetlands larger than 0.25 ha and lakes larger than 0.25 ha	<input type="checkbox"/>	
(b) Rivers to their perennial extent, with arrows showing direction of flow	<input type="checkbox"/>	
(c) Any water table that the quarry may intercept	<input type="checkbox"/>	
(d) The coastal marine area	<input type="checkbox"/>	
(e) Any setbacks.	<input type="checkbox"/>	

**PLANNING CHECKLIST NES-PF**

Applicable

**Detail / Plan reference**  
(where applicable)

**4. Management practices**

The plan must document the management practices that will be used to avoid, remedy, or mitigate risks due to quarrying that have been identified on the map, in sufficient detail to enable a site audit of the management practices to be carried out.

**5. Further details**

The plan must include details of –

- (a) The amount, timing and duration of quarrying
- (b) The erosion and sediment control measures to be used, including –
  - (i) methods used to maintain stability of any cut faces
  - (ii) methods used to manage overburden, including stability and erosion of exposed soil
  - (iii) methods used to manage sediment and storm water
  - (iv) methods used to avoid effects on riparian margins and water bodies
- (c) Maintenance and monitoring procedures
- (d) Heavy rainfall response and contingency measures
- (e) Restoration of the quarry after quarrying ceases
- (f) Corrective action processes.