

5 ECOLOGY

- 5.1 A detailed inventory and abundance assessment of the plant species present on the site will be collected for the purposes of record and establishing replacement vegetation. The vegetation survey will be undertaken prior to carrying out any work on site.
- 5.2 Regular monitoring will take place on the stored topsoil/turf to ensure that it is in a reasonably healthy state for reuse at the end of construction.

Ecological Mitigation Measures

Construction Phase

- 5.3 Programme the jetty construction period outside critical seasons (e.g. from October to December inclusively).
- 5.4 An exclusion zone of 250 m radius around piling activities should be scanned for 30 minutes prior to the start of the piling. If marine mammals are not sighted within the time, piling may commence.
- 5.5 Implement the mitigation measures as stipulated in **Appendix A**.

Operational Phase

- 5.6 As mentioned in Section 5.3, not only completion of the jetty will not bring adverse effect to the ecology but also provides opportunities to create new underwater surfaces to marine life. Left to be concerned during operation will be the radioactive influence on marine life. Potential for bio-accumulation and trophic transfer up the food chain will be presented in the EM&A Manual (Radiological). Non-radiological ecological monitoring during operational phase is considered not necessary.
- 5.7 The mitigation measures stipulated in Section 2.6 of the EP will be provided. These measures include:
- The grassland and low shrub habitat affected by the construction works shall be restored with the use of native, local grass and shrub species.
 - Shotcrete shall not be used for re-establishment of the cut slope behind the LRWF.