

SOIL AND WATER

PURPOSE AND SCOPE

The intent of this document is to eliminate or minimise the risk of environmental harm as a result of soil and water quality impacts at Gamuda Australia (GA) projects / workplaces. This standard applies to any work that involves soil and water which must be managed to prevent erosion and water pollution, both on-site and off-site.

CRITICAL CONTROLS

SOIL AND WATER

- A specific risk assessment is conducted for soil and water aspects.
- Erosion and Sediment Control Plans are documented, implemented, and maintained. The plan must be approved prior to any ground disturbance.
- Clean water diversions are in place to prevent clean water entering the site from upstream / offsite areas.
- Sediment basins are the required size in accordance with the requirements of the Blue Book, Best Practice ESC (IECAV2008) guidelines, the environmental licence, and the relevant conditions of approval. Provisions for emergency spillways are in place.
- A Permit to Dewater is in place and approved for all water discharge activities.
- Stormwater pits and stockpile areas have functioning sediment controls in place.
- Wheel wash / shaker grid and hardstand areas are established and maintained at site exits to prevent tracking sediment onto roadways. Roadways are clear of tracked sediment.
- Regular inspections are completed and recorded for Soil and Water related aspects. Inspect all erosion and sediment controls after a significant rainfall event (>25mm/24hrs).

Note: The above controls are to be read in conjunction with the Regulations, Standards and Codes listed below.

REGULATIONS, STANDARDS AND CODES

- Water Act 2007 (Commonwealth)
- Protection of the Environment Operations Act 1997 (POEO Act) (NSW)
- Protection of the Environment Operations (General) Regulation 2009 (NSW)
- Environmental Planning and Assessment Act 1979 (EP&A Act) (NSW)
- Water Management Act 2000 (NSW)
- Contaminated Land Management Act 1997 (NSW)
- Environmental Protection Act 1970 (Victoria)
- Environmental Protection Act 2017 (Victoria)
- Environment Protection Amendment Act 2018 (Victoria)
- Fisheries Act 1995 (Victoria)
- Water Act 1989 (Victoria)
- Environmental Protection Act 1994 (Queensland)
- Water Act 2000 (Queensland)

INTEGRATED MANAGEMENT SYSTEM
CRITICAL RISK STANDARD
SOIL AND WATER



- Environmental Protection (Water and Wetland Biodiversity) Policy 2019 (Queensland)
- Soil Conservation Act 1986 (Queensland)
- Soil and Land Conservation Act 1945 (WA)
- Soil and Land Conservation Regulations 1992 (WA)
- Contaminated Sites Act 2003 (WA)
- Waterways Conservation Regulations 1981 (WA)
- Conservation and Land Management Regulations 2002 (WA)
- Environment Protection Act 1993 (SA)
- Water (Commonwealth Powers) Act 2008 (SA)
- Water Resources Act 1997 (SA)
- Environment Protection (Water Quality) Policy 2015 (SA)
- Environmental Management and Pollution Control Act 1994 (Tasmania)
- Water Management Act 1999 (Tasmania)
- Environmental Protection Act 2019 (NT)
- Water Act 1992 (NT)
- Environmental Protection Act 1997 (ACT)

FORMS AND CHECKLISTS

- **GA-FRM-HSE-138** Permit to Discharge Water
- **GA-FRM-HSE-150** Permit to Clear
- **GA-FRM-HSE-154** Environment and Sustainability Inspection
- **GA-FRM-HSE-155** Erosion and Sediment Control Plan Template