STANDARD OPERATING PROCEDURE SP012 WASTE MANAGEMENT

ENVIRONMENTAL RISK ACTION PLAN Waste Management				
Legal, Contractual & Other Requirements	Contract SpecificationSee ENV005 Legal Requirements			
Targets	Reduce waste generation through detailed works planning.			
	Maximise reuse and recycling through the separation of waste types.			
Responsibilities	Site Supervisor are required to ensure that the requirements of this standard operating procedure are implemented			
	Subcontractors are required to ensure that the requirements of this ERAP are implemented for their operations.			
	The Project Manager is responsible for providing updates on the status of the project to the relevant stakeholders.			
Controls (means & resources)	 Establish a secure waste area and provide containers/bins for the collection of waste and recyclables. Do not place near drainage areas. Seek out opportunities and markets for the reuse and recycling of waste materials. Provide impervious bunded storage areas for liquids and liquid wastes. Store all building materials in a manner that prevents loss or damage (ie secure and undercover, separate to waste). Promote the sustainable use of resources by personnel including water and energy. Undertake regular site clean ups. Provide and regularly check spill kit supplies. Ensure the kits are not being used for litter and that they are clearly visible. Prepare monthly waste reports (Wrapp) Doc No: ENV027 and provide them to the Systems Manager. Conduct inspections and complete checklist to assess the condition of waste compounds, waste/litter accumulation on the site and any maintenance requirements/improvements. Undertake a documented inspection to assess site environmental controls and identify improvements to controls or work methods 			
Timeframe	Duration of site works.			
Monitoring & Reporting	Monthly Wrapp Report Doc No: ENV027 to be provided to the Systems Manager			
	Weekly inspections to be recorded on the Daily Site Safety Checklist Doc No: OHS013.14			
	Monthly Management Inspections recorded on Form Doc No: OHS113			
	Monthly project status briefs to be provided to the clients representative and stakeholders if required under the contract			
Review & Evaluation	 In order to ensure this procedure remains effective, it will be reviewed by Senior Management on an annual basis or in the event of a major environmental incident, changes in legislation or if raised by workers concern/s. 			

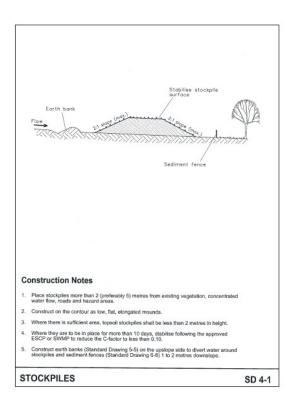
Version Control

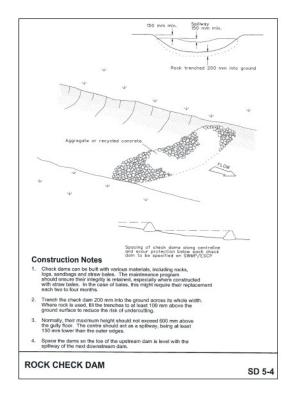
Date	Version	Owner	Comments
22.03.11	1	Michelle Murphy	For Issue
23.12.13	2	Michelle Murphy	Management Review
18.05.15	3	Michelle Murphy	Management Review
20.08.18	5	Michelle Murphy	ISO Accreditation Review
09.09.19	6	Michelle Murphy	Management Review
03.02.22	7	Michelle Murphy	Management Review

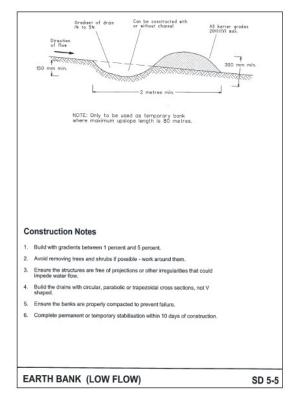
APPENDIX A

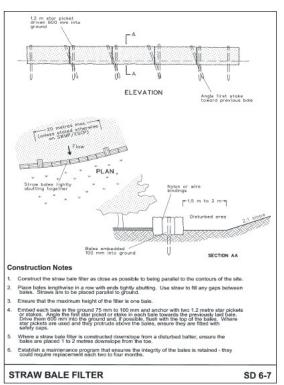
Standard Drawings

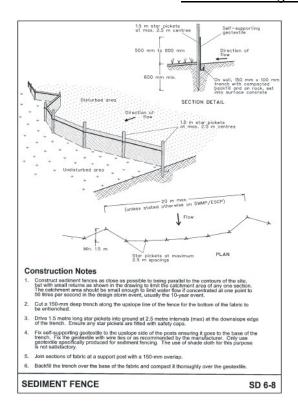
NSW Landcom Standard Drawing	SD 4-1	Stockpiles
NSW Landcom Standard Drawing	SD 5-4	Rock Check Dam
NSW Landcom Standard Drawing	SD 5-5	Earth Bank (Low Flow)
NSW Landcom Standard Drawing	SD 6-7	Straw Bale Filter
NSW Landcom Standard Drawing	SD 6-8	Sediment Fence
NSW Landcom Standard Drawing	SD 6-9	Alternative Sediment Fence
NSW Landcom Standard Drawing	SD 6-12	Geotextile Inlet Filter
NSW Landcom Standard Drawing	SD 6-14	Stabilised Site Access
NSW Landcom Standard Drawing	SD 6-4	Earth Basin - Wet

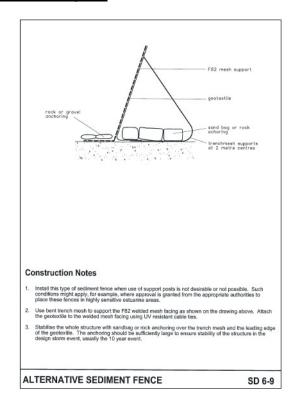


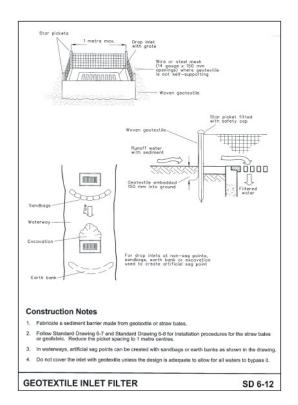


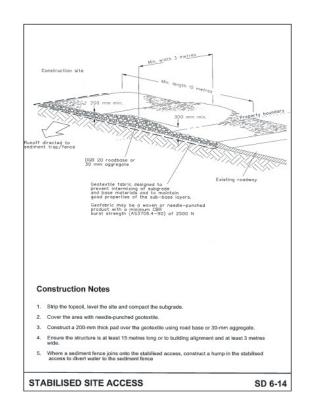


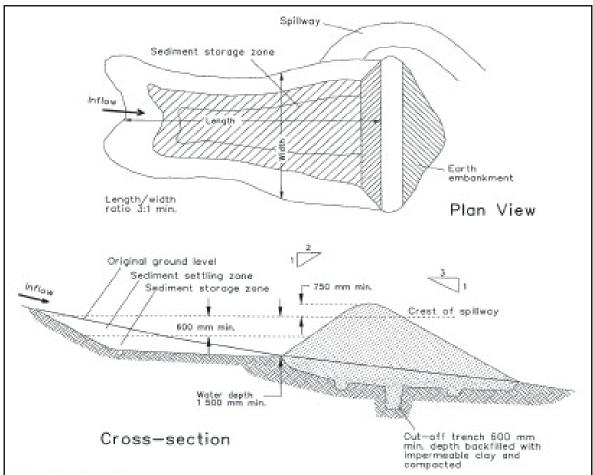












Construction Notes

- Remove all vegetation and topsoil from under the dam wall and from within the storage area.
- Construct a cut-off trench 500 mm deep and 1,200 mm wide along the centreline of the embankment extending to a point on the gully wall level with the riser crest.
- Maintain the trench free of water and recompact the materials with equipment as specified in the SWMP to 95 per cent Standard Proctor Density.
- 4. Select fill following the SWMP that is free of roots, wood, rock, large stone or foreign material.
- Prepare the site under the embankment by ripping to at least 100 mm to help bond compacted fill to the existing substrate.
- Spread the fill in 100 mm to 150 mm layers and compact it at optimum moisture content following the SWMP.
- 7. Construct the emergency spillway.
- 8. Rehabilitate the structure following the SWMP.

EARTH BASIN - WET

(APPLIES TO TYPE D' AND TYPE F' SOILS ONLY)

SD 6-4