



# BESS Alinta Wagerup Peaking Power Station




## Field Inspection Checklist – Electrical trenching

Document Number: **RR-SEPD-BESS-FIC-003**

### Document Information

Checklist title	Earthworks
Checklist No	RR-SEPD-BESS-FIC-003
Lot Description	
Revision no.	00
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Description of Changes	First Issue

### Document Review

Prepared by:			
Responsibility	Name	Signature	Date (DD/MM/YYYY)
Drafted by (Engineer)	Juan Orozco		07/10/2024
Reviewed by (Supervisor)	Craig Stein		07/10/2024
Approved by (Manager)	Artur Krupinski		08/10/2024

Part 1 – Preliminaries (photos where applicable)						
Inspection/Test item		Acceptance Criteria	Specifications/Drawings Reference	(Yes/No/NA)	Initial & Date	
					ROBAR	SEPD
1.1	Review of approved construction drawings and specifications	All drawings and specifications approved and up to date	WBS-SS-CI-SPC-006			
1.2	Verification of permits	All relevant permits (GDA/GDP) in place	GDA/GDP			
1.3	Site access and safety preparation	Site access cleared and made safe	WBS-SS-CI-SPC-006			
1.4	Safety inductions and toolbox talks	All personnel inducted; safety briefings completed	Induction record			
1.5	Environmental controls in place	Dust, noise, and sediment barriers installed and functioning	SEPD environmental requirements			
1.6	Utility identification	All utilities marked as per drawings	Project as-built drawings			
Part 2 – Set-out and excavation (photos where applicable)						
Inspection Acceptance		Acceptance Criteria	Specifications/Drawings Reference	(Yes/No/NA)	Initial & Date	
2.1	Site set-out verification	Set-out verified and matches IFC drawings	Site IFC Drawings			
2.2	Accurate dimensions	Width, depth, and alignment match design drawings	WBS-SS-EL-DRG-3005			
Part 3 – Excavation (photos where applicable)						
Inspection Acceptance		Acceptance Criteria	Specifications/Drawings Reference	(Yes/No/NA)	Initial & Date	
3.1	Dimensions maintained	Depth and width meet design specifications	WBS-SS-CI-SPC-006 WBS-SS-EL-DRG-3005			
3.2	Stockpiling of excavated material	Material stockpiled properly, no contamination	WBS-SS-CI-SPC-006			
3.3	Stability of trench	No loose soil or collapses; protective measures in place if trench is over 1.5m	WBS-SS-CI-SPC-006			
3.4	Subbase inspection	Subgrade verified, compacted and stable	Geotechnical report			
3.5	Subbase compaction testing	Compaction results meet project criteria. 1 test every 40 linear meters and 1 every two layers.	AS 1289 geotechnical report			
Part 4 – Fill material and compaction (photos where applicable)						
Inspection Acceptance		Acceptance Criteria	Specifications/Drawings Reference	(Yes/No/NA)	Initial & Date	
4.1	Backfill material	Approved material used for backfill	WBS-SS-CI-SPC-0006			
4.1	Imported fill material testing	Material complies with particle size, moisture content, MMDD	WBS-SS-CI-SPC-0006 Test material results			
4.2	Fill placement in 150mm layers	Layers placed in maximum 200mm (loose) thickness	WBS-SS-CI-SPC-0006			
4.3	Compaction testing	Compaction >92% MMDD for general fill	AS 1289 Compaction test results			
4.4	Level and grading check	Levels and grading match design tolerances (+/- 20mm)	WBS-SS-CI-SPC-0006, Survey Report			



**Part 5 – Environmental and erosion controls (photos where applicable)**

Inspection Acceptance		Acceptance Criteria	Specifications/Drawings Reference	(Yes/No/NA)	Initial & Date	
5.1	Dust control measures	Dust suppression methods in place and effective	SEPD Environmental Plan			
5.2	Erosion and sediment control measures	Sediment barriers, silt fences, and basins installed and maintained	WBS-SS-CI-SPC-0006			
5.3	Site drainage	Temporary drainage in place to control stormwater and prevent site flooding	Drainage Plan Site Inspection			

**Part 6 – Final inspections and acceptance (photos where applicable)**

Inspection Acceptance		Acceptance Criteria	Specifications/Drawings Reference	(Yes/No/NA)	Initial & Date	
6.1	Final surface inspection	Surface is stable, free from defects, and meets design criteria	Site inspection Proof roll			
6.2	As-built survey verification	As-built levels and layout match design	As-Built Drawings Survey Report			
6.3	Removal of temporary works	All temporary structures, barriers, and access points removed	Site inspection			
6.4	Final inspection sign-off	All earthworks activities completed and accepted	WBS-SS-CI-SPC-0006			

## Document Sign-off

Prepared by:			
Responsibility	Name	Signature	Date (DD/MM/YYYY)
ROBAR (Engineer)			
SEPD (Engineer)			