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BESS Alinta Wagerup Peaking Power Station

Field Inspection Checklist – Concrete slabs

Document Number: **RR-SEPD-BESS-FIC-002**

Document Information

Checklist title	**Concrete slabs**
Checklist No	RR-SEPD-BESS-FIC-002
Lot Description	
Revision no.	00
Revision Date (DD/MM/YYYY)	
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)	Jake Scott		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-007			
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-007			
1.4	Safety inductions and toolbox talks	All personnel inducted; safety briefings completed	Induction record			

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1.5	Environmental controls in place	Dust, noise, and sediment barriers installed and functioning	SEPD environmental requirements			

Part 2 – Survey (photos where applicable)

Inspection Acceptance		Acceptance Criteria	Specifications/Drawings Reference	(Yes/No/NA)	Initial & Date	
2.1	Set-out of slab location	Slab set-out conforms to approved design coordinates	Site Layout Drawings, Survey Plan			
2.2	Level and alignment check	Levels and alignment of formwork and slab position verified	WBS-SS-CI-SPC-0007, Survey Report			
2.3	As-built survey after formwork and reinforcement	Survey to confirm reinforcement cover and formwork position	As-Built Drawings, Survey Report			

Part 3 – Pre-pour inspection (photos where applicable)

Inspection Acceptance		Acceptance Criteria	Specifications/Drawings Reference	(Yes/No/NA)	Initial & Date	
3.1	Review of approved concrete mix design	Mix design approved P3220100	AS 1379 WBS-SS-CI-SPC-0007			
3.2	Formwork installation	Formwork aligned, clean, and secure; dimensions correct	AS 3610 WBS-SS-CI-SPC-0007			
3.3	Reinforcement placement	Reinforcement size, placement, spacing and cover as per drawings	AS 4671 WBS-SS-CI-SPC-0007			
3.4	Reinforcement ties	Reinforcement securely tied in place, no loose bars	AS 4671			
3.5	Installation of dowels	Correct placement of all embedded items, dowels aligned	WBS-SS-CI-SPC-0007			
3.6	Waterproofing membrane	Membrane installed per design; overlaps secured	WBS-SS-CI-SPC-0007			
3.7	Crack control joints	Joints placed and cut as per drawings and specifications	AS 3600 WBS-SS-CI-SPC-0007			
3.8	Construction joints	Joints placed and prepared as per drawings and specifications	AS 3600 WBS-SS-CI-SPC-0007			
3.9	Site safety inspection prior to pour	Site clear, access routes checked, and emergency plans in place	Safety Plan WBS-SS-CI-SPC-0007			

Part 4 – Concrete pouring and compaction (photos where applicable)

Inspection Acceptance		Acceptance Criteria	Specifications/Drawings Reference	(Yes/No/NA)	Initial & Date	
4.1	Concrete delivery	Delivery in line with approved mix design	AS 1379 Delivery dockets			
4.2	Slump test	Slump within specified range (e.g., 100mm +/- 20mm)	AS 1012 Slump Test Results			
4.3	Concrete placement	Concrete placed within formwork without segregation or delays	WBS-SS-CI-SPC-0007			
4.4	Compaction of concrete	Concrete compacted using vibrators, no visible voids or honeycombing	AS 3600 WBS-SS-CI-SPC-0007			
4.5	Cylinder sampling for compressive strength	Cylinder samples taken for 7, 14, 28-day tests	AS 1012 Sample Register			

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4.6	Concrete temperature monitoring (if required)	Temperature recorded during pouring	WBS-SS-CI-SPC-0007 Pour record			
Part 5 – Post-pour inspection (photos where applicable)						
Inspection Acceptance		**Acceptance Criteria**	**Specifications/Drawings Reference**	**(Yes/No/NA)**	**Initial & Date**	
5.1	Surface finish	Class 5	AS 3610 WBS-SS-CI-SPC-0007			
5.2	Curing method	Curing compound or wet curing applied as per requirements	AS 3799 WBS-SS-CI-SPC-0007			
5.3	Formwork stripping	Formwork removed after concrete reaches required strength	WBS-SS-CI-SPC-0007			
5.4	Compressive strength testing	Compressive strength results meet >32 MPa at 28 days	AS 1012 Test Results			
5.5	Inspection of surface cracks and defects	No major cracks or surface defects observed	WBS-SS-CI-SPC-0007			
Part 5 – Final survey and as-built verification (photos where applicable)						
Inspection Acceptance		**Acceptance Criteria**	**Specifications/Drawings Reference**	**(Yes/No/NA)**	**Initial & Date**	
5.2	As-built survey verification	As-built levels and layout match design	As-Built Drawings, Survey Report			
5.4	Final inspection sign-off	Final approval of the slab surface, dimensions, and finish	FIC sign-off			

Document sign-off

Final sign-off				
Company	**Name**		**Signature**	**Date** (DD/MM/YYYY)
ROBAR				
SEPD				