# BESS Alinta Wagerup Peaking Power Station

*Field Inspection Checklist – Electrical trenching*

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

# Document Information

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| **Checklist title** | **Earthworks** |
| **Checklist No** | RR-SEPD-BESS-FIC-003 |
| **Lot Description** |  |
| **Revision no.** | 00 |
| **Revision Date (DD/MM/YYYY)** |  |
| **Description of Changes** | First Issue |

# Document Review

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| **Prepared by:** | | | |
| **Responsibility** | **Name** | **Signature** | **Date (DD/MM/YYYY)** |
| **Drafted by (Engineer)** | Juan Orozco | A close up of a logo  Description automatically generated | 07/10/2024 |
| **Reviewed by (Supervisor)** | Craig Stein | A close up of a signature  Description automatically generated | 07/10/2024 |
| **Approved by (Manager)** | Artur Krupinski |  | 08/10/2024 |

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| **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

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