

Appendix N

Environmental Management Plans (Outline)

The following tables present indicative summary outlines which describe the intended contents of the following key environmental management plans to be prepared and implemented for the Project:

- Environmental Management Plan (Construction) (EMP(C))
- Water Quality Management Plan (WQMP)
- Acid Sulfate Soils Management Plan (ASSMP).

Each management plan outline has been prepared in accordance with DCCEE's Environmental Management Plan Guidelines (DCCEE 2024) to enable DCCEE to assess the effectiveness of the proposed Project mitigation measures (as described in Section 6).

Development of complete management plans is the responsibility of the Contractor following Project contract award. Whilst minor content variations/structure may occur in response to Contractor specific requirements/preferences, the complete management plans will be required to comply with DCCEE's Environmental Management Plan Guidelines and other relevant State, SCC and TMR requirements. All EMPs be required to be reviewed and approved by SCC and TMR for implementation prior to construction works commencing.

Environmental Management Plan (Construction) (EMP(C))
1. Cover page, declaration of accuracy (where required) and document version control
2. Introduction <ul style="list-style-type: none"> – Project description – Objectives, targets and key performance indicators – Definitions and terminology
3. Environmental and contractual obligations <ul style="list-style-type: none"> – Commonwealth and State legislation, policies and guidelines – Project contractual obligations – Compliance and commitment matrix
4. Roles and responsibilities <ul style="list-style-type: none"> – Project roles (Directors, managers, engineers, supervisors – as applicable) – All personnel – Subcontractors/suppliers
5. Planning, implementation and operation <ul style="list-style-type: none"> – Construction activities and sequence – Key Project milestones and dates – Licences, permits, approvals and authorities – Site offices and ancillary facilities – Sensitive areas/no-go areas

Environmental Management Plan (Construction) (EMP(C))

6. Environmental aspects, impacts and management sub-plans

Objectives, performance criteria, policies/standards/guidelines, mitigation measures and corrective actions described for each of:

- Air quality
- Aquatic ecology and the Moreton Bay Ramsar Wetland
- Contaminated land
- Cultural heritage
- Fauna management
- Fire ant management
- Hazardous substances and spill management
- Lighting and amenity
- Noise and vibration
- Pest and weed management
- Traffic
- Vegetation management
- Waste and resource recovery

Reference made/copies appended of standalone EMPs:

- ESCP
- ASSMP
- WQMP

7. Competence, training and awareness

- Competence
- Training and inductions
- Environmental and cultural heritage awareness

8. Communications

- Project strategy/protocol covering internal/external stakeholders and the wider community

9. Incidents, response and corrective actions

- Environmental incident management
- Emergency contacts, notification and reporting
- Corrective actions

10. Inspections, monitoring and auditing

- Environmental inspections
- Environmental monitoring
- Auditing and reporting

11. Review and improvement

12. References

13. Appendices

- Environmental policies
- Project approvals/compliance matrix
- Inspection checklist templates
- Incident notification/investigation/reporting template
- Environmental progress report template
- Separate standalone EMPs
- Supporting mapping

Water Quality Management Plan (WQMP)

- **Cover page, declaration of accuracy (where required) and document version control**

- **Introduction**

- Project description
- Objectives, targets and key performance indicators
- Roles and responsibilities
- Definitions and terminology

- **Environmental and contractual obligations**

- Commonwealth and State legislation, policies and guidelines
- Project contractual obligations
- Compliance and commitment matrix

- **Background and catchment description**

- Existing environment and key influences on water quality
- Environmental values and water quality objectives

- **Baseline water quality monitoring**

- Methods and monitoring locations
- Summary and analysis of monitoring data
- Derivation of site-specific water quality objectives and trigger values

- **Potential environmental impacts and risks**

- Erosion and sediment control, changes in water and sediment quality
- Habitat modification and loss
- Flow and water hydrology
- Spills of hydrocarbons and other contaminants
- Litter and waste
- Pests and weeds

- **Performance objectives and parameters**

- Discharge criteria and design targets, early warning indicators
- Proposed water quality protection strategies
- Management during construction

- **Incidents, response and corrective actions**

- Incident management
- Emergency contacts, notification and reporting
- Corrective actions

- **Management and reporting**

- Competence, training and awareness
- Reporting, auditing and review

- **References**

- **Appendices**

Acid Sulfate Soils Management Plan (ASSMP)

- **Cover page, declaration of accuracy (where required) and document version control**

- **Introduction**

- Project description
- Objectives, targets and key performance indicators
- Roles and responsibilities
- Definitions and terminology

Acid Sulfate Soils Management Plan (ASSMP)

■ Environmental and contractual obligations

- Commonwealth and State legislation, policies and guidelines
- Project contractual obligations
- Compliance and commitment matrix

■ Existing environment

- Historical investigations
- Site description
- Receiving environment

■ Construction methodology

■ ASS management and mitigation measures (aspects and impacts)

- General ASS management principles
- Performance criteria, policies/standards/guidelines, mitigation measures
- Management and treatment areas
- Stockpiling and transport
- Liming rates
- Management of naturally acidic soils (non-potential ASS/actual ASS)
- Visual observations
- Field testing and National Association of Testing Authorities laboratory requirements
- Hold Point releases as per *MRTS04 General Earthworks*.

■ Incidents, response and corrective actions

- Incident management
- Emergency contacts, notification and reporting
- Corrective actions

■ Management and reporting

- Competence, training, site inductions which should detail potential locations of ASS/PASS and awareness
- Reporting, auditing and review

■ References

■ Appendices