

PART G50W
ENVIRONMENTAL MANAGEMENT REQUIREMENTS

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1. GENERAL

- .1 The Contractor is responsible for environmental management at the worksite and must comply with:
 - (a) the requirements of the DPTI Environmental Code of Practice for Construction – Road, Rail, Bridge and Marine Facilities; and
 - (b) Part CH50W "Environmental Protection Issues".
 - (c) The Code of Practice is available from: <http://www.dpti.sa.gov.au/standards/environment>
 - (d) The Contractor must ensure that any detrimental effects on the environment resultant from any activity associated with the Contract are kept to the minimum practicable.
 - (e) If any damage to the environment occurs as a result of non-compliance with the requirements of the Specification, the Contractor must reinstate the damaged area to the condition existing prior to the commencement of work. This includes, but is not limited to, damage to vegetation and contamination of soil, the seabed or water. If it is not satisfactorily reinstated, the Principal will deduct damages from the Contract Sum. The amount of damages must be the cost of reinstating the damaged area to a condition comparable to that existing prior to the start of work.

2. ENVIRONMENTAL MANAGEMENT SYSTEM

- .1 The Contractor must establish, implement and maintain an Environmental Management System (EMS) in accordance with this specification and the requirements of AS 14001 "Environmental Management Systems – Specification with Guidance for use".
- .2 The Environmental Management System must be used throughout the course of the contract to ensure that the environmental aspects of the Contractor's and any subcontractor's work complies with the requirements of the Contract.
- .3 No part of the Contractor's Environmental Management System must be used to pre-empt, preclude or otherwise negate the technical requirements of the Contract. The acceptance of any part of the Contractor's Environmental Management System by the Principal must not in any way relieve the Contractor of the responsibility to comply with the requirements of the Contract.
- .4 In addition to the requirements of AS 14001 "Environmental Management Systems – Specification with Guidance for use" the EMS must outline:
 - (a) The method(s) proposed to ensure the Contractor and all subcontractor's products or services comply with the Environmental requirements of the Contract Documents.
 - (b) The approach to be taken regarding inspection and testing and the method of notification of all environmental aspects of the works.
 - (c) The audit schedule proposed for the Contractor's Environmental Management System and work activities, and external audits proposed for subcontractors.
- .5 If not submitted beforehand, the Contractor must submit controlled copies of the EMS prior to commencement of any work on Site. Provision of the EMS, or any proposed amendments to the EMS, must constitute a **HOLD POINT**. An electronic copy of controlled EMS documentation on CD is acceptable.

3. ENVIRONMENTAL MANAGEMENT

Induction

- .1 The Contractor must ensure that an appropriate environmental induction process for all persons engaged in the Works is documented and implemented and that they understand and meet the environmental requirements of the contract.

Monitoring and Reporting

- .2 The Contractor must monitor its performance in relation to all relevant environmental matters throughout the duration of the Contract. If a Contractor's Environmental Management Plan (CEMP) has been prepared, the Contractor must submit a status report on the implementation and progress of the plan at monthly intervals.
- .3 The Contractor must notify the Principal immediately of any notice issued on the Contractor in relation to any environmental legislation and a **HOLD POINT** must apply.

Audits

- .4 The Contractor must ensure that environmental audits of all works underway are conducted at least every 4 weeks. Details and results of audits and inspections must be kept on site for review and a copy provided to the Principal.
- .5 Audits must be undertaken in accordance with DPTI "Environmental Audit Guidelines for Construction – Road, Rail and Marine Facilities".
- .6 In addition to audits arranged by the Contractor, the Contractor must allow external audits of the Contractor and any subcontractor to be undertaken. Audits may be undertaken of the Contractor's compliance with any matter relating to the environmental requirements of this contract or legislation. Audits may be undertaken by the Principal, without notice, at any time.
- .7 Where a non-conformance is detected during an audit, the Contractor must take immediate action to rectify the non-conformance.

Environmental Awareness Training

- .8 Prior to any works commencing on site, the Contractor must ensure that the site supervisor and at least one other member of the Contractor's site team who will be permanently based on site have attended "Environmental Awareness for Marine Construction and Maintenance Activities" training or an interstate equivalent within the last 3 years.
- .9 Copies of training records must be supplied to the Principal prior to works commencing on site.

Environmental Management Representative

- .10 The Contractor must provide an Environmental Management Representative (EMR) who is directly responsible to the Contractor's senior management and has responsibility for ensuring that the requirements of the Environmental Management System are complied with. Any additional requirements for the EMR are detailed in the **Contract Specific Requirements**.
 - (a) Unless otherwise specified in the **Contract Specific Requirements** the EMR must attend the work site a minimum of two days per week when works are in progress and must be 'on call' at all other times when works are in progress until the Date of Practical Completion.
- .11 The EMR must have the authority to:
 - (a) enforce the implementation of all measures to mitigate, avoid or minimise adverse environmental impacts;
 - (b) stop the progress of any part or element of the Contractor's Work that does not comply with the environmental documents, until such time as the non-compliance has been rectified; and
 - (c) be responsible for environmental monitoring, reporting and auditing.

4. CONTRACTOR'S ENVIRONMENTAL MANAGEMENT PLAN

- .1 The Contractor must establish, implement and maintain a Contractor's Environmental Management Plan (CEMP) for the duration of the Contract.
- .2 The CEMP must:
 - (a) be prepared in accordance with the DPTI "Contractor's Environmental Management Plan Guidelines";

- (b) detail the process for ensuring that the Contractor's staff and subcontractors understand and meet all environmental requirements of the project; and
 - (c) document the Contractor's Activity Zone as detailed in Clause 5 "Contractor's Activity Zone".
- .3 Prior to commencement of any works, the Contractor must submit controlled copies of the CEMP. Provision of the CEMP, including all supporting documentation or any proposed amendments to the CEMP, or supporting documentation must constitute a **HOLD POINT**.
- .4 The Principal owes no duty to the Contractor to review any CEMP submitted by the Contractor for compliance with the Contract or legislation.

5. CONTRACTOR'S ACTIVITY ZONE

- .1 "Contractor's Activity Zone" (CAZ) means the area where activities associated with the construction of the project are permitted to take place and includes but is not limited to the areas for compound, access point, materials storage locations and marine infrastructure. The Contractor must undertake all activities within the approved CAZ.
- .2 Prior to commencement of work on site, the Contractor must submit a plan indicating the proposed boundaries of the CAZ to the Principal for approval. Provision of the CAZ must constitute a **HOLD POINT**.
- .3 If the Contractor wishes to extend the CAZ during the project, prior approval must be sought using the attached form "Request to Change Contractor's Activity Zone" (Appendix 1). Submission of the request to extend the CAZ must constitute a **HOLD POINT**. Any approved changes must be documented in the CEMP and on the Drawings.
- .4 The Principal's approval of the CAZ or an extension to it will be based on a consideration of the likelihood and consequences of an adverse environmental impact and the practicality of restricting construction related activities.

6. ENVIRONMENTAL INCIDENT

Environment Emergency Response Plan/ Procedure

- .1 The Contractor must develop and maintain an Environmental Emergency Response Plan / Procedure which includes the following information as appropriate:
- (a) emergency contacts (including EPA, CFS / MFS, Outer Harbor Signal Station, Police and other relevant authorities);
 - (b) responsibilities of key personnel;
 - (c) communications plan;
 - (d) action to be taken;
 - (e) information on hazards;
 - (f) training plan and equipment; and
 - (g) Oil Spill Response

Definition of Incident

- .2 In the event of incident or accident which:
- (a) leads to a warning, notice or order being issued by the SA Environmental Protection Authority;
 - (b) contravenes applicable environmental legislation / Environmental Authorisation; or
 - (c) causes environmental damage, or
 - (d) Results in the spillage/release of noxious or hazardous substances (such as but not limited to hydrocarbons or any other machinery fluids) into sea or watercourses.

the Contractor must:

- (e) immediately notify the Principal
- (f) take whatever remedial action is necessary as soon as practicable;
- (g) provide an initial written notification report to the Principal incident within 24 hours of the incident occurring; and
- (h) provide a full written investigation report within 72 hours of the incident occurring to relevant authority (EPA or Signal Station).

Oil Spill Response

- .3 In the event of an oil spill incident the Contractor must undertake the following:

- (a) Dial 000 if there is a fire or injury requiring medical attention or if the size of the spill or nature of the spilled material makes it readily apparent that the situation is dangerous;
- (b) Control access to the spill area and, if possible without risking injury, control the source of the spill and limit the spread of contamination;
- (c) Report the spillage (no matter how small) to the Outer Harbour Signal Station on (08) 8248 3505 - who will contact the on-duty DPTI Incident Controller;
- (d) Inform the Signal Station of the circumstance, type and volume of the contamination as soon as possible after the occurrence along with contact details;
- (e) Bear any cost to the Principal in cleaning up the spillage or clean up the spillage to the satisfaction of the Incident Controller;
- (f) Not apply dispersant/detergent or other substance - the spill should just be contained and ensure the safety of those on site and in the vicinity; and
- (g) the Principal of the circumstance, type and volume of the contamination as soon as possible after the occurrence.

7. **HOLD POINTS**

The following is a summary of Hold Points, referenced in this Part:

CLAUSE REF.	HOLD POINT	RESPONSE TIME
2	Submission of EMS or proposed amendments to the EMS	7 working days
3.2	Environmental legislation notice	1 working day
4	Submission of CEMP (including supporting documents) or proposed amendments to the CEMP (or supporting documents).	7 working days
5	Submission of, or proposal to extend, Contractor's Activity Zone	2 working days

8. ATTACHMENT G50WA REQUEST TO CHANGE CONTRACTOR'S ACTIVITY ZONE

Project Name:	Request No:
Date:	Location / Chainage:
Submitted by: Name:	Date Received by DPTI:
Title:	Name:
Company:	Title:

Details including possible environmental impacts and proposed mitigation measures:

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Sketch Plan of Request or attach marked up drawings:

Attach photos of the area of proposed extension.

Request Approved / Not Approved

Approval subject to the following conditions:

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Name:

Title: Environment Officer / Senior Environmental Management Officer (SEMO)*

For and on behalf of the Principal

* SEMO approval required if additional approvals required ie for vegetation removal / EPA authorisation / Water Affecting Activities Permit / Night Works / other environmental authorisation.

Date:
