

14 Environmental Management Commitments

14.1 Water Corporation's Environmental Commitments

The Water Corporation's environmental commitments are listed in Table 14.1. Some of these may become Ministerial Conditions under the EP Act.

14.2 Water Corporation's Non-environmental Commitments / Commitments Under Other Legislation

The following are commitments governed by legislation other than the EP Act or would not be considered environmental commitments under the EP Act:

1 Aboriginal heritage

- 1.1 The Water Corporation will comply with requirements of *Aboriginal Heritage Act 1972* (WA).
- 1.2 The Aboriginal Heritage Management Plan contained within the Construction Environment Management Framework will be implemented.

2 Operational Noise

- 2.1 The Water Corporation will comply with the *Environmental Protection (Noise) Regulations 1997* (WA) for the construction and operation of the plant.

3 Fauna

- 3.1 The Water Corporation will obtain a Licence under Regulation 17 of the *Wildlife Conservation Regulations 1970* (WA) from the Department of Environment and Conservation Western Australia to take remove native fauna from infrastructure areas during construction.

4 Rare Flora

- 4.1 The Water Corporation will obtain consent from the Minister for the Environment Western Australia under Section 23F(4) of the *Wildlife Conservation Act 1950* (WA) to take rare flora, if identified, and taking is required.

5 Protected Flora

- 5.1 The Water Corporation will obtain a Licence from the Minister for the Environment Western Australia under Section 23C(1) of the *Wildlife Conservation Act 1950* (WA) to take protected flora from Crown land, if identified, and taking is required.

6 Seed Collection for Rehabilitation

- 6.1 The Water Corporation will obtain a Licence from the Department of Environment and Conservation Western Australia (or will engage a contractor so licensed) under Section 88(1) of the *Conservation and Land Management Act 1984* (WA) for the collection of seed for rehabilitation from land vested with the Conservation Commission of Western Australia.

7 Watercourses

- 7.1 The Water Corporation will obtain a Permit under Section 17 of the *Rights in Water and Irrigation Act 1914* (WA) from the Department of Water Western Australia to interfere with the beds or banks of watercourses for the installation of infrastructure.

8 Community Complaints Management Plan

- 8.1 The Community Complaints Management Plan contained within the Construction Environment Management Framework will be implemented .

9 Dangerous Goods

- 9.1 The Water Corporation will obtain a Licence issued by the Chief Inspector of the Department of Consumer and Employment Protection Western Australia under Section 45A(1) of the *Explosives and Dangerous Goods Act 1961* (WA) prior to storage of dangerous goods.

- 9.2 The Dangerous Goods and Explosives Management Plan contained within the Construction Environment Management Framework will be implemented.
- 9.3 The Chemical and Dangerous Goods Management Plan contained within the Operation Environment Management Framework will be implemented.
- 9.4 The Organochlorine (Dieldrin) Management Plan contained within the Construction Environment Management Framework will be implemented.

10 Explosives

- 10.1 The Water Corporation will comply with the requirements of the *Explosives and Dangerous Goods (Explosives) Regulations 1963 (WA)* for the storage and use of explosives.
- 10.2 The Dangerous Goods and Explosives Management Plan contained within the Construction Environment Management Framework will be implemented.

11 Traffic and Public Safety

- 11.1 The Traffic and Public Safety Management Plan contained within the Construction Environment Management Framework will be implemented.

Table 14.1: Water Corporation’s Environmental Commitments

	Commitment	Objective	Action	Timing
1	Aesthetics	To minimise visual impact	The desalination plant designers will be instructed to design lighting to minimise light projection from the Southern Seawater Desalination Project (SSDP) Plant site as far as practicable (while remaining in compliance with the Occupational Safety and Health Act 1984 (WA) for operator safety).	During design.
2	Greenhouse Gas Emissions	To minimise the generation of greenhouse gases	The plant will be achieve zero net greenhouse gas emissions associated with purchased energy	Achieve zero net emissions within 5 years of commencement of operation and maintain annually during operation.
3	Biodiversity Offset	To minimise loss of diversity	10 hectares of degraded vegetation on the Southern Seawater Desalination Project (SSDP) Plant Site will be rehabilitated with species including Tuart (<i>Eucalyptus gomphocephala</i>), Peppermint (<i>Agonis flexuosa</i>) and Banksia (<i>Banksia attenuata</i>) and relevant understorey vegetation to improve the quality of fauna habitat. The area of rehabilitation will be in addition to the rehabilitation of the construction areas for the Seawater Desalination Plant site and the Water Transfer Pipeline	Complete within 3 years after the commencement of operation.
4	Construction Environmental Management Framework – Implementation	To minimise environmental impacts from construction activities	The following management plans within the Construction Environmental Management Framework will be implemented: <ol style="list-style-type: none"> 1. Land Clearing and Trench Management. 2. Seawater Pipeline Installation Management 3. Watercourse Crossing Management 4. Dewatering and Acid Sulphate Soils Management 5. Hygiene Management 6. Fire Management 7. Waste Management 8. Noise Management 9. Vibration Management 10. Discharge of Pipeline Pressure Testing and Disinfection Waters Management 11. Rehabilitation Management 12. Environmental Incident Management 13. Compliance Management 14. Auditing Management 	During construction and post-construction as defined by the plan.
5	Construction Environmental Management Framework – Public Availability	To inform the public of the management of construction activities.	The management plans within the Construction Environmental Management Framework will be made publicly available on the Water Corporation's website.	Prior to construction, and following any significant amendment.

	Commitment	Objective	Action	Timing
6	Operation Environmental Management Framework – Implementation	To minimise environmental impacts from operation of the SSDP.	The following management plans within the Operation Environmental Management Framework will be implemented: <ol style="list-style-type: none"> 1. Whole Effluent Toxicity Testing Management 2. Diffuser Performance Monitoring 3. Discharge Water Quality Monitoring 4. Benthic Habitat Monitoring 5. Waste Management 	During commissioning and/or operation as defined by the plan.
7	Operation Environmental Management Framework – Public Availability	To inform the public of the management of the operation of the SSDP.	The management plans within the Operation Environmental Management Framework will be made publicly available on the Water Corporation's website.	Prior to commissioning, and following any significant amendment.
8	Plant performance (Salinity)	To minimise environmental impacts from saline discharges.	The SSDP desalination discharge will not cause an increase in salinity at the boundary of the Low Ecological Protection Area (LEPA): <ol style="list-style-type: none"> 1. greater than 1 part per thousand (ppt) 95% of the time; and 2. greater than 1.3 ppt at any time. 	
9	Noise	To avoid unacceptable environmental impacts from noise	The SSDP Plant will be designed and operated to meet the requirements of the <i>Environmental Protection (Noise) Regulations 1997 (WA)</i> .	Operation. Note: Does not apply during construction.
10	Compliance Reporting	To report environmental performance	<ol style="list-style-type: none"> 1. A Compliance Report will be submitted to the DEC prior to 1 December of each year that identifies compliance with each Ministerial Condition (including monitoring data collected under a condition) of the Statement for the preceding period of 1 July to 30 June. 2. A Compliance Report will be submitted to the DEC prior to 1 December of each year that identifies compliance with each action listed in the management plans listed in Commitments 4 and 6 for the preceding period of 1 July to 30 June. 	Construction and operation
11	Decommissioning Plan - Preparation	To minimise environmental impacts from decommissioning	The Water Corporation will prepare a Decommissioning Plan addressing the management of: <ol style="list-style-type: none"> 1. removal and/or retention of plant infrastructure based on the proposed future use of the infrastructure sites. 2. removal of all wastes. 3. rehabilitation of disturbed lands to a standard suitable for any proposed new land use. 	At least 6 months prior to the commencement of decommissioning.
12	Decommissioning Plan - Implementation	To minimise environmental impacts from decommissioning	The Water Corporation will implement the Decommissioning Plan.	Decommissioning.
13	Decommissioning Plan - Public Availability	To inform the public of the management of decommissioning	The Water Corporation will make the Decommissioning Plan publicly available.	Prior to decommissioning.

ACRONYMS AND DEFINITIONS: DEC – Department of Environment and Conservation Western Australia; LEPA – Zone of low ecological protection (surrounding the diffuser 100m in all directions); ppt – Parts Per Thousand