

9. ENVIRONMENTAL MANAGEMENT COMMITMENTS

Environmental management commitments outlined in Section 8 of this ERMP are summarised in the Table 36 following:

Table 36: Environmental Management Commitments for the Proposal

Category	Topic	Potential Impact (Section of ERMP)	Proposed Management Commitment	Timing	Advice From
Sustainability	Sustainability Principles	8.1	Commitment 1. Alcoa will be guided by its Sustainability Principles and will operate within the guidelines of its Environmental Management System (EMS) in implementing the Proposal.	During construction and operations	
Air Quality	Air Quality Management Plan	8.3	Commitment 2 Alcoa will implement the Air Quality Management Plan to monitor and manage aspects of the Proposal implementation with a potential for impacts on surrounding air quality.	Ongoing throughout Project implementation and operation	DoE
Air Quality	Particulates – Residue Storage area	8.3.1	Commitment 3 Alcoa will manage the bauxite residue generated from the Proposal in accordance with the Wagerup refinery endorsed Long-Term Residue Management Strategy.	During construction and operations.	DoE
Air Quality	Dust - RDAs	8.3	Commitment 4 Alcoa will improve the management of dust from the residue drying areas through an upgrade of the existing sprinkler control network.	During operations	DoE
Air Quality	Air emissions and modelling	8.3.4	Commitment 5 Alcoa commits to implementing the Proposal in a manner which ensures no significant change to the air quality predictions for	During construction and operation.	DoE DoH

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			surrounding areas (from refinery and RDA contributions) or Health Risk Assessment findings, detailed in this ERMP. This will be confirmed following commissioning of the Proposal.		
Air Quality	Community Health	8.3.4	Commitment 6 Should the Proposal proceed, Alcoa commits to commissioning a local community health survey. The results of this study would be available prior to commissioning of the proposal.	Prior to commissioning.	DoE DoH
Air Quality	Dust – Port operations	8.3.6	Commitment 7 Alcoa will manage ship-loading of alumina at the Bunbury Port to minimise the potential for dust impacts on the surrounding community.	During operation.	DoE Bunbury Port Authority
Noise	Noise Management Plan	8.4	Commitment 8 Alcoa will implement the noise management plan provided to ensure that the noise objectives for the Proposal will be met.	During construction and operations.	DoE
Noise	Noise emission impacts	7.13.3	Commitment 9 Alcoa will implement the Proposal such that there is no increase in noise impacts on nearby residents.	During operations	DoE
Noise	Noise – Port operations	8.4.2	Commitment 10 Alcoa will ensure that noise from the Bunbury Port Facility continues to comply with the requirements of the <i>Environmental Protection (Noise) Regulations 1997</i> following the implementation of the Proposal.	During operations.	DoE Bunbury Port Authority

Category	Topic	Potential Impact (Section of ERMP)	Proposed Management Commitment	Timing	Advice From
Water Supply	Water Supply Management Plan	8.5	Commitment 11. Alcoa will implement the Water Supply Management Plan to manage additional water requirements for the Proposal.	During operations	DoE
Water Supply	Water Conservation	8.5.3	Commitment 12. Alcoa will continue to implement water saving measures into plant modifications and expansions where practicable and feasible, in line with sustainability principles and cleaner production goals.	Ongoing throughout Proposal implementation and operation.	
Transport	Traffic Management Plan	8.8	Commitment 13. Alcoa will prepare and implement a Traffic Management Plan to manage road traffic associated with construction of the Proposal.	During construction.	Main Roads Local Shires
Greenhouse gases	Emissions Intensity	8.10	Commitment 14 Alcoa will achieve a reduction in the greenhouse gas emissions intensity of the Wagerup refinery as a result of the Proposal by approximately 15% (based on cogeneration).	Operations.	
Greenhouse gases	Energy Efficiency	8.10	Commitment 15 Alcoa will review opportunities to improve the energy efficiency of equipment to be installed as part of the Proposal during the detailed design phase of the Proposal using a Cleaner Production review process.	Detailed design phase.	
Greenhouse gases	Greenhouse gas minimisation	8.10	Commitment 16 Alcoa will maintain its existing greenhouse gas minimisation programmes.	Ongoing throughout Proposal implementation and operation.	

Category	Topic	Potential Impact (Section of ERMP)	Proposed Management Commitment	Timing	Advice From
Social management	Community involvement	8.17	Commitment 17 Alcoa will continue to consult with the local community on environmental aspects of the Proposal through the construction and commissioning phases of the proposal.	During construction and commissioning.	