KUR-World

Appendix 20

Proponent Commitments

Environmental Impact Statement

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Abbreviations used in this chapter are as follows:

Abbreviation	Meaning
CHMP	Cultural Heritage Management Plan
ESCPs	Erosion and Sedimentation Control Plans
DTMR	Department of Transport and Main Roads
LDMG	Local Disaster Management Group
MSC	Mareeba Shire Council
PPRR	Prevention, Preparation, Response and Recovery
T&NT	Threatened and Near Threatened
UDIA	Urban Development Institute of Australia

20.0 COMMITMENTS

The following section present the commitments made by Reever and Ocean Pty Ltd for the proposed KUR-World development.

20.1 Context

The proposed project (KUR-World) aims to develop an integrated Eco-Resort that offers locals, tourists and students environmental and cultural-based opportunities and experiences based around four key themes:

- Eco-Tourism
- Education and Business
- Health and Wellbeing
- Adventure and Recreation.

As an integrated eco-resort, KUR-World seeks to protect and enhance environmental values and contribute to the regional sustainable development. Therefore, it will be developed and constructed with best practice in mind and in accordance with the Urban Development Institute of Australia's Enviro-Development certification system (EnviroDevelopment & Urban Development Institute of Australia [UDIA] 2013) or an equivalent certification.

The six key elements of this certification are: Ecosystems, Waste, Energy, Materials, Water and Community.

KUR-World will seek certification of the development during the detailed design and construction phases of the staged development

20.2 Proponent's commitments

Table 20-1 below lists the proponent's commitments for the KUR-World project.

Table 20-1: Proponent's commitments

Number	Commitment
Sustainable Development	
1	Seek the Enviro Development (or equivalent) certification during the detailed design and construction phases of the staged development.
Flora and Fauna	
2	Limit vegetation clearing during construction activities.
3	Include endemic (native) species in revegetation activities.
4	Retain 2.7 hectares of 'Habitat Retention' areas within Precincts F, I, J and K
5	Retain 12.6 hectares of 'Additional Habitat Retention' within Precincts F, I, J, K and O
6	Management of any Threatened and Near Threatened (T&NT) plant species threatened by the development will occur in accordance with the relevant legislation.
7	Implement systems to prevent unauthorised vegetation clearing throughout the operational life of the development.
8	Develop and implement a rehabilitation plan.

Number	Commitment
9	Develop and implement a project-wide landscaping plan to provide guidance on plant species selection and describe limitations or precautions with regards to the receiving environment.
10	Restore riparian vegetation along Haren Creek, Owen Creek, Cain Creek and the tributary of Warril Creek. Habitat restoration to improve the condition of riparian habitats for fauna.
11	Design roads to minimise barrier effects to fauna movements and to reduce the likelihood of fauna being hit by vehicles.
12	Develop and implement a management plan to protect the value of the Environmental Area as habitat for native flora and fauna and to protect its value as a wildlife corridor.
13	Prohibit cat ownership and limit dog ownership to certified assistance dogs within all Community Title Scheme areas.
14	Develop and implement and Environmental Management Plan for all phases of the project (construction and operations).
Biosecurity	
15	Develop a project-specific Biosecurity Management Plan to minimise the spread of non-native flora and fauna species and control existing non-native flora and fauna species.
16	Develop a project-specific Weed Management Plan to control the dominant weed species
17	Construct a wash-down facility at the main site access point for vehicles, plant and machinery arriving and departing from the project area to minimise the risk of weeds spreading prior to commencement of construction
18	Include provisions for routine monitoring of weed presence in and around work areas in the Construction Environmental Management Plan.
19	Follow laws relating to non-native fish species during construction and operation phases.
20	Ensure supply of all material, plant and equipment is in accordance with Biosecurity plan and free of pathogens.
21	Develop a quick response procedure to guide operators in what actions to take if Tramp Ants are detected. The procedure is to ensure a timely response and outline actions such as immediately quarantining the area and eradicating the ants through baiting or spraying.
22	Report detection of Tramp Ants to Biosecurity Queensland immediately.
23	Report any breaches in the biosecurity plan to Biosecurity Queensland immediately.
24	High risk personnel (i.e. personnel working outdoors traversing natural or disturbed environments) to clean their boots and/or clothing prior to entry to the project area.
Water Quality	
25	Develop and implement a stormwater management plan to achieve no adverse change in the environmental values of the aquatic receiving environment.
26	Design and manage the wastewater treatment system to achieve no adverse change in the environmental values of the aquatic receiving environment.
27	Manage run-off and/or wash-down water from animal enclosures/stables to avoid contamination of the aquatic receiving environment.
28	Manage irrigation practices to reduce the run-off of irrigated water or the infiltration of potentially contaminated water (e.g. nutrients, pesticides, herbicides) to groundwater.

Number	Commitment
29	Develop and implement Erosion and Sedimentation Control Plans (ESCPs).
30	The project's Erosion and Sediment Control Plans (ESCPs), Storm Water Management Plans and Surface Water Monitoring Programmes (SWMPs) to include measures to protect water quality.
31	Gross Pollutant Traps to act as primary treatment for each catchment to target litter capture.
32	Managed Stormwater volumes to minimise flows and nutrient loads discharged to waterways.
33	Management of the dam to include monitoring and maintenance to avoid and minimise excessive vegetation growth, algal blooms, stagnant pools and mosquito's habitat.
34	Implement a water quality monitoring program.
35	Implement pumping and recovery schedule for bores if groundwater is utilised as a component of the water source for KUR-World.
36	Only land identified as suitable for irrigation to be used for effluent disposal.
37	Nutrient content in effluent to be reduced to the lowest practicable extent.
38	Water saving and efficiency measures to be use on-site.
39	Run-off captured from building roofs to be conveyed to rainwater tanks for re-use, with tank overflows draining to vegetated swales. Rainwater captured in tanks to be used for toilet flushing and irrigation where feasible.
40	Road run-off to be collected in a conventional kerb and channel/pipe and pit stormwater drainage network and to be treated by proprietary stormwater improvement devices prior to draining to swales and retention basins.
Air	
41	Develop and implement a dust management plan.
42	Assess suitable odour treatment for the sewage treatment plant including analysis of detention times.
43	Minimise detention times of waste water and minimise storage times of biosolids on site.
44	Schedule processing and application of composts when wind conditions are favourable.
45	Place bins for waste in dispersed locations and away from sensitive receptors.
46	Design and locate exhaust systems away from sensitive receptors.
47	Clean farm and farm animals regularly to minimise odours.
Noise and vibration	
48	Develop and implement a Construction Noise and Vibration Management Plan for KUR-World.
49	Develop and implement controls to manage noise.
50	Develop detailed noise management plans for: Zip line, Sewage treatment plant and Vehicles.
51	Carry out constructions works in accordance with the best practicable methods to reduce noise impacts.
52	Train operators, labourers, subcontractors and supervisors through induction training and ongoing meetings on the need to minimise noise impacts on surrounding residences.

Number	Commitment
53	Inform noise sensitive receptors of any nearby construction works, or significant changes to nearby construction works, in advance (preferably at least one-week notice, except for emergency works) of works occurring.
54	Implement noise mitigation measures for the sewage treatment plant based on the detailed design.
55	Locate amplified music and patron noise activities as far from on-site sensitive receivers as possible.
	Visual Impact
56	Retain key waterway corridors, riparian buffers and other vegetation to visually screen, soften and integrate the proposed development into the existing vegetation and landscape.
57	Provide a vegetated buffer along the boundaries of the site within the golf course precinct to mitigate possible views from nearby residences to the east at Hilltop Close and Mount Haren Road.
58	External walls and roofs of buildings and structures to use a subdued non-reflective palette (i.e. not reflective white or silver) to enhance visual integration with surrounding vegetation.
59	Provide vegetated screening buffers were required.
60	Proposed planning/revegetation areas to be sympathetic with the existing vegetation and to use locally endemic (native) species.
61	Where appropriate use movement sensitive lighting, and/or timers.
62	Maintain maximum heights of buildings and structures as specified in the KUR-World Draft Plan of Development
	Hazards, Health and Safety
63	Develop and implement a management plan for the storage and handling of chemicals and hazardous substances.
64	Develop and implement an Emergency Management Plan for the construction and operations phases of KUR-World. The plan is to address prevention, preparation, response and recovery (PPRR) for all the hazards identified.
65	Develop an Integrated Emergency Management Framework comprising a suite of policies, plans and procedures in consultation with the Mareeba Local Disaster Management Group (LDMG).
66	Develop and implement a Fire Management Plan (construction and operations). The plan is to include methods for prevention of uncontrolled wildfire and emergency response.
67	Seek membership of the Mareeba Local Disaster Management Group (LDMG) to facilitate communication between the project and senior emergency response personnel.
68	The Integrated Emergency Management Framework to adapt and to assess unknown changing environments.
	Cultural Heritage – Indigenous
69	Recognise the KUR-World site as part of the living cultural landscape that includes significant story places, campsites, plants and animals.
70	Manage the nut cracking site on Owen Creek in consultation with the Aboriginal party.

Number	Commitment
71	Implement all components of the Cultural Heritage Management Plan (CHMP).
	Cultural Heritage – Non-Indigenous
72	Incorporate and develop strategies and decision-making processes to assess the implications of decisions made regarding heritage sites in the project area.
73	Prepare a report for the Queensland Heritage Council recommending that the weir and its associated pumping infrastructure be entered onto the Queensland Heritage Register.
74	Prepare a report for the Queensland Heritage Council recommending that James Hamilton's gravesite be entered onto the Queensland Heritage Register.
75	Develop and implement Conservation Management Plan for the site's cultural heritage.
76	Develop and implement an Interpretation Strategy for the project site. This is to enhance understanding and enjoyment of the site while being culturally appropriate.
	Community
77	Commit to positive and sustained engagement with Key Stakeholders and the community
78	Investigate any complaints to determine likely cause and avoid similar incidents.
79	Encourage residents around the development site and clients of the resort to provide feedback to the resort via feedback forms on the web site. Resort management to address issues, provide solutions and track the effectiveness of the actions taken.
80	Develop and implement a construction engagement programme to create a dialogue with stakeholders during the construction phase.
81	Implement the Grievance Mechanism (reviewed by the Community Reference Group) and communicate it to all stakeholders via project website prior to the commencement of construction.
82	Record and response to grievances in accordance with the established grievance mechanism.
83	Produce and issue a quarterly newsletter detailing the progress of the development during construction and operations or as needed if significant information (such as an emergency) requires communication. Newsletter to be published via the local newspapers and project website.
84	Maintain and update the project website during construction and operations.
85	Grievances, feedback and/or submissions to the website to be responded in a timely manner.
86	Develop local employment policy and mechanism to prioritise the employment of locals prior to construction commencing
87	Determine training requirements and establish partnerships to enable preferential employment of locals, especially young Indigenous people.
88	Develop a detailed Housing and Accommodation Strategy for project staff and contractors prior to the commencement of construction.
89	Develop a detailed Housing and Accommodation Strategy for operations project staff and contractors prior to the commencement of operations.
90	Develop a community wellbeing plan promoting programs and projects that support local services, lifestyle, amenityand community cohesion.

Number	Commitment
	Transport
91	Develop a Construction Traffic Management Plan prior to the commencement of construction to detail access to the site including the use of Park and Ride Shuttles for Cairns and Tablelands based workers.
92	Provide sufficient on-site car parking to accommodate the expected operational and construction traffic.
93	Complete Road Safety Audits of Barnwell Road, Myola Road and Rob Veivers Road.
94	In conjunction with the Department of Transport and Main Roads (DTMR) implement mitigation strategies to reduce accidents and road hazards throughout the road network to be used by the development.
	Regulatory Approvals
95	The Proponent will undertake land use activities in accordance with the KUR-World - Draft Plan of Development, including obtainment of all necessary future development approvals pursuant to the KUR-World – Draft Plan of Development.
96	Ensure all site works comply with all regulatory permit requirements