

Area	Objectives	Targets (Numbers in brackets refer to ENPs and OCOs)	Implementation and Planning Mechanism
Legislative Compliance	To complete the Bell Bay Pulp Mill Project construction with no statutory environmental infringements or breach of conditions of Approvals.	Proactively monitor and measure conformance with environmental obligations. No environmental infringements.	Construction Environmental Management Plan
Sustainable Development	To design and construct the Bell Bay Pulp Mill Project in an environmentally sustainable manner.	Proposed outcomes in Bell Bay Alliance Construction Environmental Management Plan achieved	Design Management Plan Construction Environmental Management Plan Community Involvement Plan
	To enhance the environment at every opportunity, particularly in relation to stream realignments, wetland developments and other urban design initiatives developed for the Project.	See ENP-02 Soil and Water Management	
	To manage waste in accordance with sustainable development principles.	See ENP-14 Waste Management	
Environmental best practice	To achieve best practice environmental management on the Project as measured by internal and external audit results.	Internal and external audit results show conformance with specified requirements	Audits
Community relations	Through a comprehensive community involvement program, design and construct the Bell Bay Pulp Mill Project to the satisfaction of key stakeholders and the wider community.	Minimise community dust-related complaints during construction. (08) Minimise community noise and vibration complaints during construction. (10) No complaints related to light escape. (15)	ENP-08 Air Quality Management ENP-10 Noise and Vibration ENP-15 Control of Light Escape
Archaeological and Cultural Heritage Management	Protect known sites of Aboriginal significance where impacts can be avoided. (13)	Ensure there is no impact on known sites of Aboriginal significance that are within or near the Licensed or the Leased Area and identified as sites where impacts are to be avoided. (13) <i>Note: All known Aboriginal sites will be protected where impacts can be avoided.</i>	ENP-13 Archaeological and Cultural Heritage Management

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	Manage potential interactions with known sites where impacts are unavoidable and for previously unrecorded Aboriginal sites of significance. (13)	Avoid or minimise impacts as far as possible and undertake and complete recording and salvage operations to the satisfaction of the relevant consent authority. (13)	
	Protect historic places and sites from disturbance where impacts can be avoided. (13)	Ensure there is no impact on places and sites listed on the Heritage Register, Heritage Inventory or protected by a Heritage Overlay under a Planning Scheme that are within or near the Licensed Area. (13)	
	Manage potential interactions with historic places and sites where impacts are unavoidable and for previously unrecorded historic places and sites. (13)	Avoid or minimise impacts on places and sites listed on the Heritage Register, Heritage Inventory or protected by a Heritage Overlay under a Planning Scheme. (13)	
Flora and Fauna	Protect biodiversity values. (11,12,15)	<p>Ensure compliance with the Net Gain Approach. (11)</p> <p>No unauthorised loss of native flora or fauna throughout the entire works. (11)</p> <p>Maintain water quality and protect habitat of vulnerable aquatic fauna by minimising impacts within riparian zones and on the existing waterways, and achieve compliance with the surface water quality criteria set in the surface water quality section below. (11)</p> <p>Ensure best practice environmental management construction techniques are applied. (11)</p> <p>No spread of weeds or pathogens due to project activities. (12)</p> <p>No impact on listed migratory species, or other significant migratory or nocturnal species, related to the escape of light. (15)</p>	<p>ENP-11 Flora and Fauna Management</p> <p>ENP-12 Weed Management</p> <p>ENP-15 Control of Light Escape</p>
Soil and Water	Maintain existing levels of flood protection and maintain or enhance amenity of riparian environment. (02)	<p><u>Design-Related</u></p> <p>Maintain or reduce existing flood levels, maintain flood storage and maintain or reduce waterway velocities for all runoff events</p>	ENP-02 Soil and Water Management

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		<p>up to and including the 1 in 100 year ARI event. (02)</p> <p>Avoid adverse impacts on existing urban areas or other critical private or public asset for the 1 in 200 year ARI event. (02)</p> <p>Ensure no generation of increased afflux upstream of waterway and floodplain crossings. Where this is unachievable, a minor afflux of up to 30mm may be acceptable, provided that it can be demonstrated that property flooding would not result. (02)</p> <p>Ensure that all Works are undertaken outside the existing waterway riparian environment, or where this is unavoidable, ensure overall final enhancement of the impacted areas through considered soft engineering treatments, revegetation and other measures as required. (02)</p> <p>Ensure that waterway and drainage operations and maintenance access is not compromised as a result of new road infrastructure. (02)</p> <p><u>Construction-Related</u></p> <p>Ensure that vehicle access routes are controlled and avoid environmentally sensitive areas. (02)</p> <p>Ensure that there is no diversion or pumping of water from the waterways for construction purposes, unless otherwise agreed by relevant authorities. (02)</p>	

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Soil and Water Erosion and Sediment Control	Maintain or improve existing surface water quality during construction, consistent with the requirements of State Environment Protection Policy.	<p>Achieve the Urban Stormwater Best Practice Environmental Management Guidelines performance objective of a median suspended solid discharge concentration of not greater than 50 mg/L at the point of drainage discharge. (01,02)</p> <p>Ensure that the water quality targets (or their updates) are not exceeded in the relevant receiving waterway under different flow regimes. (01,02,04)</p> <p>Design, implement and maintain site egresses so that dirt and mud on public roads is kept to a minimum (05)</p> <p>No discharge of contaminated concrete wash up water to waterways or groundwater. (02)</p>	<p>ENP-01 Erosion and Sediment Control</p> <p>ENP-02 Soil and Water Management</p> <p>ENP-04 Potentially Acid Sulfate Soil Management</p> <p>ENP-05 Control of Dirt and Mud on Roads</p>
	Protect the beneficial uses of groundwater consistent with the requirements of State Environment Protection Policy.	<p><u>Design-Related</u></p> <p>Interception and/or drainage of groundwater must not impact or diminish the existing flow regime in nearby waterways nor impact on the use of groundwater as a resource. (02)</p> <p><u>Construction-Related</u></p> <p>Groundwater and impacts on groundwater to comply with the target values (02)</p>	ENP-02 Soil and Water Management
Contaminated Soil Potentially Acid Sulfate Soils	Protect the beneficial uses of land consistent with the requirements of State Environment Protection Policy.	<p>Avoid risk to human health and ecosystems from exposure to contaminated soil. (03,04)</p> <p>Maintain and where appropriate and practicable improve the condition of land to protect current and future beneficial uses of land from the detrimental impacts of contamination. (03,04)</p> <p>All contaminated soil that is removed from the project alignment sent for beneficial use or to a licensed waste receiver. (03,04)</p>	<p>ENP-03 Contaminated Soil Management</p> <p>ENP-04 Potentially Acid Sulfate Soil Management</p>
Noise and Vibration	Manage construction noise and vibration impacts	<p>Comply with Noise Guidelines, including working hours unless otherwise agreed in writing with the Director of Environmental Management to the extent and for the period agreed. (10)</p> <p>Vibration levels must not exceed 2 mm/s(PPV) at Heritage</p>	ENP-10 Noise and Vibration Management

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		<p>buildings, 10 mm/s(PPV) at residential buildings and 25mm/s(PPV) at commercial or industrial buildings. (10)</p> <p>Minimise noise from equipment, plant, vehicles and project infrastructure. (10)</p> <p>Undertake sufficient noise monitoring to evaluate conformance with the Noise and Vibration Environmental Program. (10)</p>	
Air Quality management	Protect the beneficial uses of the air environment for the surface sections of the Freeway consistent with the requirements of State Environment Protection Policy (<i>Air Quality</i>) 2004.	Achievement (to the maximum extent possible consistent with the scope of the Project) of air quality sufficient to protect the health and amenity of residents living near the Freeway.	ENP-08 Air Quality Management <i>Pre-operation air quality monitoring program?</i>
	Protect the beneficial uses of the air environment consistent with the requirements of State Environment Protection Policy (<i>Air Quality</i>) 2004 during the construction stage.	<p>Construction activities to be managed in accordance with Environment Protection Authority publication 480 (<i>Environmental Guidelines for Major Construction Sites</i>) so as to maintain air quality to a standard which does not prejudice the health and amenity of nearby residents. (08)</p> <p>Visible smoke from construction plant shall not persist for longer than 15 seconds (for off road plant) and 10 seconds (for plant registered for use on public roads). (08)</p>	ENP-08 Air Quality Management
Waste	Manage all waste from the construction and operation phases of the Project consistent with the requirements of Industrial Waste Management Policies, regulations and Environment Protection Authority guidelines.	<p>Ensure there are no potential hazards to human health and the environment as a result of waste generation and management for the construction and operation phases of the Project. (14)</p> <p>Minimise waste through the adoption of best practice waste reduction and disposal procedures. (14)</p> <p>Achieve cost savings with the reduction of landfill fees and the need to purchase new material. (14)</p> <p>100% recycling of waste concrete, waste asphalt, excavated clean fill, ferrous scrap, non-ferrous scrap, excavated contaminated soil (subject to approval) and waste timber. (14)</p>	ENP-14 Waste Management

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Hazardous Materials, Fuels and Lubricants	<p>Protect the beneficial uses of air, land and water, and human ecological health, from the impacts of hazardous materials and dangerous goods.</p> <p>Minimise chemical and fuel storage on-site.</p>	<p>Minimise chemical and fuel storage on-site. Ensure any hazardous materials and dangerous goods are adequately stored and managed. (07)</p> <p>Install bunds and take precautions to reduce the risk of spills. (07)</p> <p>Implement a contingency plan to handle spills, so that environmental damage is avoided. (07)</p> <p>Design the designated storage areas to ensure all spills are contained. (07)</p> <p>No discharge of hazardous materials or dangerous goods to waterways or soil. (07)</p> <p>Manage all hazardous waste (asbestos, etc) consistent with the requirements of Industrial Waste Management Policies, regulations and Environment Protection Authority guidelines. (07)</p>	ENP-07 Storage & Use of Hazardous Materials, Fuels and Lubricants

Revision Status

Revision	Date	Revision Description	Prepared	Reviewed	Approved
B-00	April 2007	Issued for Internal Review	RVD	IW	
B-01	May 2007	Issued for Internal Review	IW	RVD	
B-02	May 2007	Issued for DTAE Review	RVD	RF	JC
B-03	31 Oct 2007	Issued for DTAE approval	IW	JD	JC
B-04	30 Jan 2008	Issued for DTAE approval (after minor typographical corrections)	IW	JD	CF