

ANNEXURE A
DIRECTOR GENERAL'S REQUIREMENTS – ADDRESSED

<i>Requirement</i>	<i>Section Addressed</i>	<i>Annexure Addressed</i>
GENERAL REQUIREMENTS		
The Environmental Assessment (EA) must include		
<ul style="list-style-type: none"> • an executive summary; • a detailed written description and graphical representation of the project including: <ul style="list-style-type: none"> – need for the project; – alternatives considered; – engineering and/or architectural plans; and – engineering and/or architectural plans; and – various components and stages of the project, and in particular, the proposed staging of the odour reduction works in relation to the proposed expansion works to ensure current odour levels are substantially reduced. • consideration of any relevant statutory provisions including the consistency of the project with the objects of the <i>Environmental Planning and Assessment Act 1979</i>; • a general overview of the environmental impacts of the project, taking into consideration the issues raised during consultation; • a detailed assessment of the key issues specified below, and any other significant issues identified in the general overview of environmental impacts of the project (see above), which includes: <ul style="list-style-type: none"> – a description of the existing environment; – an assessment of the potential impacts of the project including cumulative impacts; – a description of the measures that would be implemented to avoid, minimise, mitigate, offset, manage, and/or monitor the impacts of the project; • a draft Statement of Commitments, outlining environmental management, mitigation and monitoring measures; 	<p>Executive Summary Section 5.0</p> <p>Section 6.2.1</p> <p>Section 4.0</p> <p>Section 7.0</p> <p>Section 8.0</p>	A, B, C

Requirement	Section Addressed	Annexure Addressed
<ul style="list-style-type: none"> – where reuse/recycling is proposed in connection with Shoalhaven Council’s Recycled Effluent Management System (REMS), provide an assessment of environmental impacts from REMS including capacity, water quality, sustainability of irrigation and impacts on aquatic systems associated with increased discharges; – provide a full evaluation of options to manage any brine stream resulting from wastewater treatment and a detailed assessment of the environmental impacts of each option. – provide an Irrigation Management Plan that details existing irrigation practices and includes a detailed water balance for proposed changes to irrigation due to expansion. The water balance shall also include analysis of the sustainability of on-going effluent irrigation onto the Environmental Farm; – details of wastewater management shall be integrated and consistent with the odour assessment; – detail all measures to ensure compliance with Section 120 of the POEO Act including contingency measures to manage wastewater during prolonged periods of wet weather; • Water and Soils <ul style="list-style-type: none"> – detail water supply volumes including a breakdown of potable and non-potable sources for the existing facility and proposed expansion; – evaluate the feasibility of measures to reduce and/or minimise water use; – detail proposed erosion and sediment controls during construction; – detail proposed stormwater management system during construction and operation; – identify and detail measures to manage potential acid sulphate soils; – identify soil contamination and management measures. • Noise <ul style="list-style-type: none"> – detail the noise impacts of the existing facility, identify the additional noise sources from the proposed expansion and assess the cumulative noise impact at residences during construction and operation, in accordance with relevant guidelines. Assess operational traffic noise (road and rail) in accordance with relevant guidelines. 	<p>Proposal does not involve connection to REMS.</p> <p>Section 7.3</p> <p>Section 7.4</p> <p>Section 7.3</p> <p>Section 7.5.1</p> <p>Section 7.5.2</p> <p>Section 7.5.2</p> <p>Section 7.5.3</p> <p>Section 7.5.4</p> <p>Section 7.6</p>	<p>O</p> <p>P</p> <p>P</p> <p>J</p> <p>J</p> <p>Q</p>

Requirement	Section Addressed	Annexure Addressed
<ul style="list-style-type: none"> • Transport and Access <ul style="list-style-type: none"> – prepare a Traffic Impact Study (TIS) in accordance with relevant guidelines; – assess the cumulative impact of existing traffic volumes and additional expansion related traffic on the existing road and rail network during construction and operation; including capacity, safety, key intersections, site accesses, internal roadways and parking; – detail the upgrade works required to accommodate additional traffic and assess the impact of upgrade works. 	Section 7.7	G
<ul style="list-style-type: none"> • Hazards and Risk – including: <ul style="list-style-type: none"> – a preliminary risk screening in accordance with State Environmental Planning Policy No. 33 – Hazardous and Offensive Development (SEPP 33) and Applying SEPP 33 (DUAP, 1994). The screening must include information on the class, quantity and location of the dangerous goods and hazardous materials related to the project; – a Preliminary Hazard Analysis (PHA) prepared in accordance with the Department’s publications hazardous industry <i>Planning Advisory Paper No. 6 – Guidelines for Hazardous Analysis</i> (DUAP, 1997) and <i>Multi-Level Risk Assessment</i> (DUAP, 19974). The PHA must undertake assessment on the potential risks arising from the proposed expansion; – detail contingency plans for any potential incidents and equipment failure during the project; – detail a proposed monitoring and maintenance regime to be implemented for the project to ensure performance within acceptable risk limits. 	Section 7.8	F
<ul style="list-style-type: none"> • Greenhouse <ul style="list-style-type: none"> – a full greenhouse gas assessment, including a quantitative analysis of the scope 1, 2 and 3 emissions of the project, and a qualitative analysis of the impacts of these emissions, in accordance with the requirements of the Australian Greenhouse Office’s <i>Factors and Methods Workbook 2006</i>; – evaluate the feasibility of measures to reduce and/or offset emissions, including an analysis of energy use. 	Section 7.2	N

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<ul style="list-style-type: none"> • Air Quality <ul style="list-style-type: none"> – quantify current and proposed emission rates for air pollutants from all sources during construction and operation, assess cumulative impacts with reference to relevant guidelines, and identify actions to prevent or mitigate emissions; – detail air handling systems, cooling towers and management systems for control of Legionnaire’s disease. 	Section 7.1	M
<ul style="list-style-type: none"> • Riverbank Stability, Riparian Management and Flooding <ul style="list-style-type: none"> – detail potential impacts on riverbank stability from proposed works; – provide options for bank stabilisation works including identification of minimum riparian corridor widths in accordance with relevant guidelines; – identify native riparian revegetation works required; – undertake a flood risk assessment identifying impacts on site, upstream and downstream of the site and any attenuation and/or mitigation required. 	Section 7.9	I
<ul style="list-style-type: none"> • Waste Management <ul style="list-style-type: none"> – identify the quantity and type of all liquid and solid waste generated at the site and how this waste would be handled. 	Section 7.11	L
<ul style="list-style-type: none"> • Visual <ul style="list-style-type: none"> – Assess the visual impact of design and siting of the buildings, landscaping, lighting and any signage. 	Section 7.12	
<ul style="list-style-type: none"> • Flora and Fauna <ul style="list-style-type: none"> – including an assessment of any impacts on critical habitats, threatened species, populations or ecological communities and their habitats in the region. 	Section 7.13	E
<ul style="list-style-type: none"> • Heritage <ul style="list-style-type: none"> – assess both Aboriginal and non-Aboriginal heritage impacts. 	Section 7.14	D

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<p>REFERENCES</p> <p>The Environmental Assessment should take into account relevant State government technical and policy guidelines. While not exhaustive, guidelines which may be relevant to the project are included in the attached list.</p>		
<p>CONSULTATION</p> <p>During the preparation of the Environmental Assessment, you should consult with the relevant local, State or Commonwealth government authorities, service providers, community groups or affected landowners. The consultation process and the issues raised must be described in the Environmental Assessment.</p> <p>In particular you should consult with:</p> <ul style="list-style-type: none"> • Department of Environment and Climate Change; • Department of Water and Energy; • Roads and Traffic Authority; and • Shoalhaven City Council. 	Section 4.0	B and C