



Planning

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Mr Aaron Hudson
Chief Executive Officer
Kimbriki Environmental Enterprises Pty Ltd
Locked Bag 6
TERRY HILLS NSW 2084

Dear Mr Hudson,

**Director-General's Requirements
Kimbriki Resource Recovery Project, Kimbriki Road, Terry Hills
Concept and Project Approval - 10_0064 / P10_0065**

I refer to your application for the Kimbriki Resource Recovery Project in the Warringah Local Government area.

I have attached a copy of the Director-General's requirements for the project. These requirements have been prepared in consultation with the relevant agencies, and are based on the information you have provided to date. I have also attached a copy of the agencies' comments for your information.

Please note that the Director-General may alter these requirements at any time.

If your proposal is likely to have a significant impact on matters of National Environmental Significance, it will require an approval under the Commonwealth *Environment Protection Biodiversity Conservation Act 1999* (EPBC Act). This approval is in addition to any approvals required under NSW legislation. It is your responsibility to contact the Department of Environment, Water, Heritage and the Arts in Canberra (6274 1111 or <http://www.environment.gov.au>) to determine if the proposal requires an approval under the EPBC Act. If it is subsequently determined that an approval is required under the EPBC Act, please contact me immediately as supplementary Director-General's requirements may need to be issued.

I would appreciate it if you would contact the Department at least two weeks before you propose to submit the Environmental Assessment (EA) for the project. This will enable the Department to determine the:

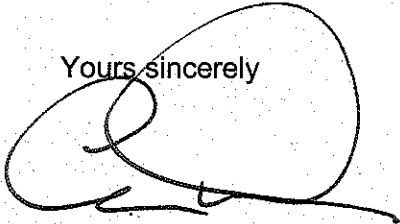
- applicable fee (see Division 1A, Part 15 of the Environmental Planning and Assessment Regulation 2000); and
- number of copies (hard-copy or CD-ROM) of the EA that will be required for exhibition purposes.

Once the Department receives the EA, it will review it in consultation with the relevant agencies to determine if it adequately addresses the Director-General's requirements, and may require you revise it prior to public exhibition.

The Department is required to make all the relevant information associated with the project publicly available on its website. Consequently, I would appreciate it if you would ensure that all the documents you subsequently submit to the Department are in a suitable format for the web, and arrange for an electronic version of the EA to be hosted on a suitable website during the assessment process.

If you have any enquiries about these requirements, please contact Felicity Greenway on 9228 6338 or felicity.greenway@planning.nsw.gov.au

Yours sincerely



2.6.10

Chris Wilson
Executive Director
Major Projects Assessment
As delegate for the Director-General

Director-General's Requirements

Section 75F of the *Environmental Planning and Assessment Act 1979*

Application Number	Concept Plan: 10_0064 Project: 10_0065
Project	The Kimbriki Resource Recovery Project, which includes development of: <ul style="list-style-type: none"> • a resource recovery facility (RRF) - using alternative waste technology to receive and process up to 100,000 tonnes per annum of municipal solid waste and source separated food and organics; • a materials recovery facility (MRF) - to receive and process up to 60,000 tonnes per annum of recyclable materials; and • Associated infrastructure
Location	Kimbriki Road, Terry Hills Lot 200 DP 104405, Lot 2 DP 255466, Lot 4 DP 255466, Lot 100 DP 822376, Lot 3 DP 794191, Warringah LGA
Proponent	Kimbriki Environmental Enterprises Pty Ltd
Date of Issue	June 2010
General Requirements	<p>The Environmental Assessment of the project must include:</p> <ul style="list-style-type: none"> • an executive summary; • a detailed description of the following: <ul style="list-style-type: none"> - the waste strategy (or strategies) that underpins the development of the project; - the past, existing and approved operations/activities on the site, including existing environmental management and monitoring regime; • a detailed description of the project, including the: <ul style="list-style-type: none"> - need for the project, having particular regard to the aims, objectives, and guidance in the <i>NSW Waste Avoidance and Resource Recovery Strategy 2007</i>, <i>DECC's Guidelines for Solid Waste Landfills and Composting and Related Organics Processing Facilities</i>; - alternatives considered, including a justification for the proposed facility on economic, social and environmental grounds; - likely staging of the project; and - plans of any proposed building works; • a risk assessment of the potential environmental impacts of the project, identifying the key issues for further assessment; • a detailed assessment of the key issues specified below, and any other significant issues identified in the risk assessment (see above), which includes: <ul style="list-style-type: none"> - a description of the existing environment, using sufficient baseline data; - an assessment of the potential impacts of all stages of the project, including any cumulative impacts, taking into consideration any relevant statutory provisions, technical or policy guidelines (see below); - a description of the measures that would be implemented to avoid, minimise, mitigate, rehabilitate/remediate, monitor and/or offset the potential impacts of the project, including detailed contingency plans for managing any potentially significant risks to the environment; • a statement of commitments, outlining all the proposed environmental management and monitoring measures; • a conclusion justifying the project on economic, social and environmental grounds, taking into consideration whether the project is consistent with the objects of the <i>Environmental Planning & Assessment Act 1979</i>; • a signed statement from the author of the Environmental Assessment, certifying that the information contained within the document is neither false nor misleading.

Key Issues

- **Waste Management** – including:
 - identify, classify and quantify the likely waste streams that would be handled/stored/disposed of at the facility;
 - describe how this waste would be treated, stored, used, disposed and handled on site, and transported to and from the site, and the potential impacts associated with these issues;
 - describe the AWT technology and outputs, and the quality control measures that would be implemented;
 - describe the materials recycling process; and
 - describe measures that would be employed to ensure that the project's outputs would comply with DECCW's relevant waste exemptions.
- **Biodiversity** – including:
 - an assessment of the potential impacts of the project on threatened species and endangered ecological communities;
 - identify measures that to minimise impacts of the development on threatened species/communities and the surrounding environment;
 - details of the proposed offset strategy, including legalities, and measures to enhance the biodiversity conservation value of the site and surrounds; and
 - an assessment of the effectiveness and reliability of the proposed measures and any residual impacts after these measures are implemented.
- **Air Quality and Odour** – including:
 - a quantitative assessment of the potential air quality and odour impacts of the project and the effectiveness of the proposed air quality /odour control measures;
 - details of management protocols and procedures for preventing and/or minimising both point and fugitive emissions;
 - detailed specifications of the odour scrubbing technology and associated equipment to be installed, including performance, location, height and dimensions;
 - details of how potential odour from any runoff (leachate & stormwater) would be mitigated;
 - details of how negative pressure would be maintained in the processing buildings (ie. quick shut roller doors etc) to minimise odour emissions and evidence of contingency plans if negative pressure cannot be maintained (ie. roller doors break etc).
 - details of any waste that is proposed to be stored outside of a negatively pressured building (including pre-stabilised or stabilised garden waste, food waste, dry recyclables etc); proposed locations for storage of that waste, the quantities of that waste, the period of time that waste is stored outside and any mitigation measures to ensure the waste does not generate dust or odour emissions; and
 - details of proposed length of time that the municipal solid waste and the source separated food waste would undergo "maturation" with consideration to odour generation;
- **Traffic and Transport** – a traffic study including:
 - accurate predictions of the traffic volumes likely to be generated during construction and operation;
 - an assessment of the predicted impacts of this traffic on the safety and capacity of the surrounding road network, including modelling of the intersection of Mona Vale Road and Kimbriki Road;
 - details of any proposed road upgrade works, and the measures that would be implemented to ensure that the relevant road network is appropriately maintained during the life of the project; and
 - details of the proposed access and parking arrangements on site.
- **Soil & Water** – including:
 - a detailed water balance for the project, outlining the measures that would be implemented to minimise the use of water on site;
 - wastewater predictions, and the measures that would be implemented to treat, reuse and/or dispose of this water, with regard to cross

	<p>contamination of waste water from the project's different components;</p> <ul style="list-style-type: none"> - the proposed erosion and sediment controls during construction; - the proposed stormwater management system; and - consideration of the potential salinity, contamination, groundwater, flooding and acid sulfate soil impacts of the project; <ul style="list-style-type: none"> • Greenhouse Gas – including: <ul style="list-style-type: none"> - a quantitative assessment of the potential scope 1, 2 and 3 greenhouse gas emissions of the project, and a qualitative assessment of the potential impacts of these emissions on the environment; and - an assessment of all reasonable and feasible measures that could be implemented to minimise the generation of greenhouse gas emissions associated with the project; • Noise – including quantitative assessment of the potential construction, operational and traffic noise impacts of the project;
Other Issues	<ul style="list-style-type: none"> • Heritage – including the potential Aboriginal and non-Aboriginal heritage impacts of the project. • Hazards – including a Preliminary Hazard Analysis (PHA) of the project, and an assessment of the potential fire risks of the project; • Visual – including: <ul style="list-style-type: none"> - an assessment of the potential visual impacts of the project on the amenity of the surrounding area; - a detailed description of the measures that would be implemented to minimise the visual impacts of the project. • Socio-Economic – including a comprehensive assessment of the economic and social impacts of the project, demonstrating that it would have a net benefit for the community, paying particular attention to the potential impacts of the project on waste minimisation and resource recovery in the region.
References	While not exhaustive, the following attachment contains a list of the guidelines, policies, and plans that may be relevant to the project.
Consultation	<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.</p> <p>In particular you must consult with the:</p> <ul style="list-style-type: none"> • Department of Environment, Climate Change and Water; • NSW Office of Water; • Roads and Traffic Authority; and • Warringah Shire Council. <p>The consultation process, and the issues raised during this process, must be described in the Environmental Assessment.</p>
Deemed refusal period	60 days

Technical and Policy Guidelines

Aspect	Policy/Methodology
Risk Assessment	<p>AS/NZS 4360:2004 Risk Management (Standards Australia)</p> <p>HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)</p>
Waste	<p>Waste Avoidance and Resource Recovery Strategy 2007 (DECC)</p> <p>Waste Classification Guidelines (DECC)</p> <p>Environmental Guidelines: Assessment Classification and Management of Non-Liquid and Liquid Waste (NSW EPA)</p> <p>Environmental guidelines: Composting and Related Organics Processing Facilities (DEC)</p> <p>Environmental guidelines: Use and Disposal of Biosolid Products (NSW EPA)</p> <p>Composts, soil conditioners and mulches (Standards Australia, AS 4454)</p>
Biodiversity	<p>State Environmental Planning Policy No 44– Koala Habitat Protection (SEPP 44)</p> <p>Draft Guidelines for Threatened Species Assessment under Part 3A of the <i>Environmental Planning and Assessment Act 1979</i> (DEC)</p> <p>DECCW's Threatened Species Assessment Guidelines – Assessment of Significance (2007).</p> <p>Policy & Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries)</p> <p>The NSW State Groundwater Dependent Ecosystem Policy (DLWC)</p>
Air Quality	<p>Protection of the Environment Operations (Clean Air) Regulation 2002</p> <p>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DEC)</p> <p>Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC)</p>
Odour	<p>Technical Framework: Assessment and Management of Odour from Stationary Sources in NSW (DEC)</p> <p>Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW (DEC)</p>
Transport	<p>Guide to Traffic Generating Development (RTA)</p> <p>Road Design Guide (RTA)</p>
Soil and Water	<p>Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC & NHMRC)</p> <p>National Environment Protection (Assessment of Site Contamination) Measure 1999 (NEPC)</p>
Soil	<p>Draft Guidelines for the Assessment & Management of Groundwater Contamination (DECC)</p> <p>State Environmental Planning Policy No. 55 – Remediation of Land Managing Land Contamination – Planning Guidelines SEPP 55 – Remediation of Land (DOP)</p>
Surface Water	<p>National Water Quality Management Strategy: Water quality management -</p>

	an outline of the policies (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Policies and principles - a reference document (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Implementation guidelines (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Australian Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)
	State Water Management Outcomes Plan
	NSW Government Water Quality and River Flow Environmental Objectives (DECC)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)
	Greater Metropolitan Regional Environmental Plan No. 2 – Georges River Catchment
	Managing Urban Stormwater: Soils & Construction (Landcom)
	Managing Urban Stormwater: Treatment Techniques (DECC)
	Managing Urban Stormwater: Source Control (DECC)
	Technical Guidelines: Bunding & Spill Management (DECC)
<i>Groundwater</i>	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
	NSW State Groundwater Policy Framework Document (DLWC)
	NSW State Groundwater Quality Protection Policy (DLWC)
	NSW State Groundwater Quantity Management Policy (DLWC) Draft Guidelines for the Assessment and Management of Groundwater Contamination (DECC)
Greenhouse Gas	
	AGO Factors and Methods Workbook (AGO)
	Guidelines for Energy Savings Action Plans (DEUS, 2005)
Noise	
	NSW Industrial Noise Policy (DECC)
	Environmental Criteria for Road Traffic Noise (NSW EPA)
	Environmental Noise Control Manual (DECC)
Heritage	
<i>Aboriginal</i>	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC) 2005
<i>Non- Aboriginal</i>	NSW Heritage Manual (NSW Heritage Office & DUAP) The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
Hazards	
	State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
	Applying SEPP 33 – Hazardous and Offensive Development Application Guidelines (DUAP)
	Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis
Visual	
	Control of Obtrusive Effects of Outdoor Lighting (Standards Australia, AS 4282)
	State Environmental Planning Policy No 64 - Advertising and Signage
Social & Economic	
	Draft Economic Evaluation in Environmental Impact Assessment (DOP)
	Techniques for Effective Social Impact Assessment: A Practical Guide (Office of Social Policy, NSW Government Social Policy Directorate)